

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100319\
 Data File : VY000187.D
 Acq On : 03 Oct 2019 16:46
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:51:08 PM

Quant Time: Oct 04 05:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 05:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	436461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	660325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	575764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	292605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	689612	151.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.32%	
35) Dibromofluoromethane	7.73	113	606938	148.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.32%	
50) Toluene-d8	10.19	98	2384019	152.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.36%	
62) 4-Bromofluorobenzene	12.48	95	805084	147.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	557637	191.893	ug/l	96
3) Chloromethane	2.11	50	633516	210.361	ug/l	99
4) Vinyl Chloride	2.25	62	721375	220.915	ug/l	97
5) Bromomethane	2.61	94	232422	108.978	ug/l	97
6) Chloroethane	2.75	64	454192	199.631	ug/l	94
7) Trichlorofluoromethane	3.10	101	1007962	193.423	ug/l	100
8) Diethyl Ether	3.53	74	408178	176.986	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	591969	179.685	ug/l	100
10) Methyl Iodide	4.08	142	1009964	225.621	ug/l	99
11) Tert butyl alcohol	5.00	59	1550577	709.151	ug/l	100
12) 1,1-Dichloroethene	3.86	96	616591	199.068	ug/l	96
13) Acrolein	3.73	56	711697	755.503	ug/l	99
14) Allyl chloride	4.48	41	861796m	199.710	ug/l	
15) Acrylonitrile	5.18	53	2913161	829.468	ug/l	99
16) Acetone	3.96	43	2380255	816.694	ug/l	98
17) Carbon Disulfide	4.19	76	1755401	281.347	ug/l	99
18) Methyl Acetate	4.48	43	1283646	157.676	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	2081061	166.476	ug/l	99
20) Methylene Chloride	4.71	84	651938	170.875	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	675766	202.287	ug/l	94
22) Diisopropyl ether	6.13	45	2075424	181.325	ug/l	98
23) Vinyl Acetate	6.07	43	9893123	1005.223	ug/l	97
24) 1,1-Dichloroethane	6.02	63	1077134	175.889	ug/l	100
25) 2-Butanone	7.00	43	4327570	835.179	ug/l	97
26) 2,2-Dichloropropane	6.99	77	1011089	169.727	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	769279	175.114	ug/l	97
28) Bromochloromethane	7.35	49	400513	166.212	ug/l	93
29) Tetrahydrofuran	7.36	42	3134016	906.520	ug/l	96
30) Chloroform	7.52	83	1162035	165.644	ug/l	98
31) Cyclohexane	7.78	56	1041402	231.970	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	1055369	176.320	ug/l	99
36) 1,1-Dichloropropene	7.92	75	885784	204.825	ug/l	98
37) Ethyl Acetate	7.09	43	1417566	175.355	ug/l	99
38) Carbon Tetrachloride	7.91	117	959900	181.052	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	1166382	228.539	ug/l	98
40) Benzene	8.17	78	2698372	188.151	ug/l	95
41) Methacrylonitrile	7.33	41	561227m	146.438	ug/l	
42) 1,2-Dichloroethane	8.25	62	862502	172.968	ug/l	99
43) Isopropyl Acetate	8.28	43	1856375	170.291	ug/l	99
44) Trichloroethene	8.94	130	799577	178.646	ug/l	95
45) 1,2-Dichloropropane	9.22	63	646942	175.886	ug/l	100
46) Dibromomethane	9.31	93	474266	173.237	ug/l	96
47) Bromodichloromethane	9.50	83	928418	166.005	ug/l	98
48) Methyl methacrylate	9.30	41	835246	171.973	ug/l	97
49) 1,4-Dioxane	9.31	88	473264	3125.714	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	6841399	795.981	ug/l	99
52) Toluene	10.25	92	1791507	188.870	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	1076177	175.241	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	1145765	178.917	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	666617	152.836	ug/l	97
56) Ethyl methacrylate	10.52	69	1142688	168.804	ug/l	98
57) 1,3-Dichloropropane	10.80	76	1098946	161.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	2739737	793.174	ug/l	97
59) 2-Hexanone	10.84	43	5925649	818.392	ug/l	100
60) Dibromochloromethane	10.99	129	779425	155.345	ug/l	99
61) 1,2-Dibromoethane	11.09	107	742210	167.832	ug/l	100
64) Tetrachloroethene	10.72	164	770389	171.788	ug/l	97
65) Chlorobenzene	11.52	112	1860514	170.384	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	683801	151.858	ug/l	100
67) Ethyl Benzene	11.59	91	3334458	183.025	ug/l	99
68) m/p-Xylenes	11.70	106	2627170	363.426	ug/l	98
69) o-Xylene	12.03	106	1250643	172.625	ug/l	95
70) Styrene	12.05	104	2185972	175.203	ug/l	98
71) Bromoform	12.21	173	632594	152.506	ug/l	# 99
73) Isopropylbenzene	12.33	105	3297252	170.563	ug/l	99
74) N-amyl acetate	12.14	43	1513244	177.899	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	1008517	147.005	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	738764m	143.995	ug/l	
77) Bromobenzene	12.61	156	793832	149.220	ug/l	95
78) n-propylbenzene	12.67	91	3722347	172.200	ug/l	98
79) 2-Chlorotoluene	12.76	91	2071154	162.616	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	2671384	164.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	467974	163.311	ug/l	# 89
82) 4-Chlorotoluene	12.86	91	2165715	159.702	ug/l	99
83) tert-Butylbenzene	13.08	119	2323761	157.273	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	2699862	167.810	ug/l	98
85) sec-Butylbenzene	13.25	105	3222859	162.974	ug/l	99
86) p-Isopropyltoluene	13.37	119	2965216	163.471	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	1448809	150.805	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	1477708	147.742	ug/l	99
89) n-Butylbenzene	13.70	91	2747440	172.448	ug/l	99
90) Hexachloroethane	13.96	117	558472	155.352	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	1430812	146.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	346591	150.558	ug/l	97

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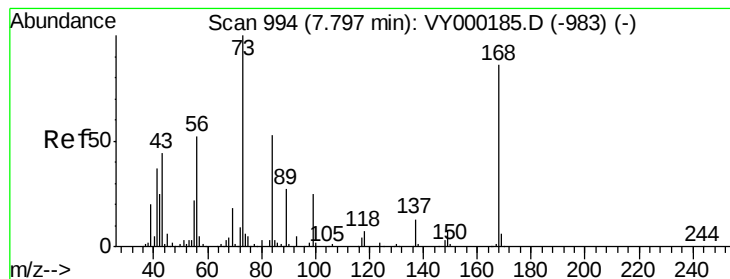
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	1058770	148.190	ug/l	98
94) Hexachlorobutadiene	15.11	225	515759	155.351	ug/l	100
95) Naphthalene	15.23	128	3826802	151.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	1056583	149.499	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 436461

Ion Ratio Lower Upper

168 100

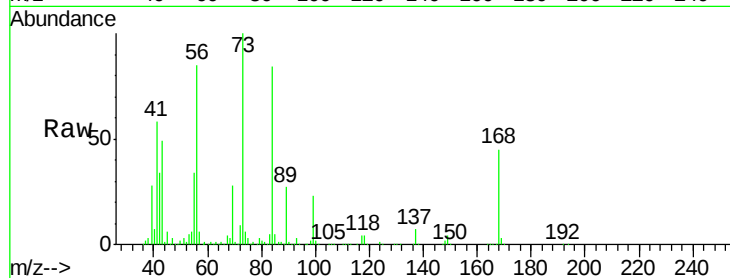
99 50.5 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000187.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY000187.D (-945) (-)

300000

250000

200000

150000

100000

50000

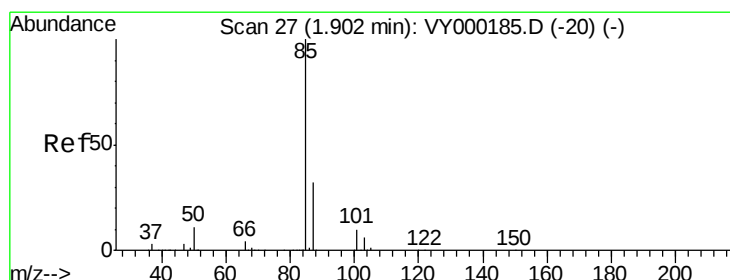
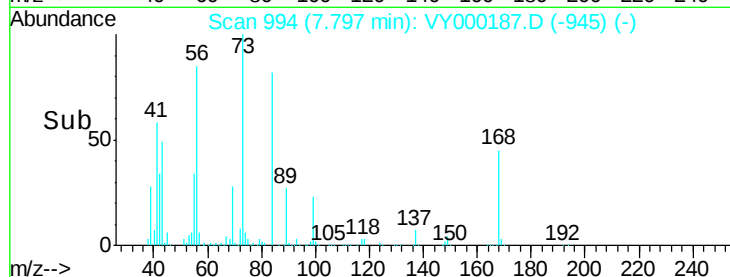
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 191.893 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000187.D

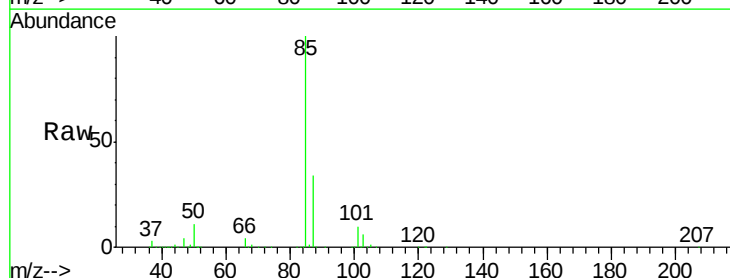
Acq: 03 Oct 2019 16:46

Tgt Ion: 85 Resp: 557637

Ion Ratio Lower Upper

85 100

87 34.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY000187.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000187.D (-1) (-)

300000

200000

100000

0

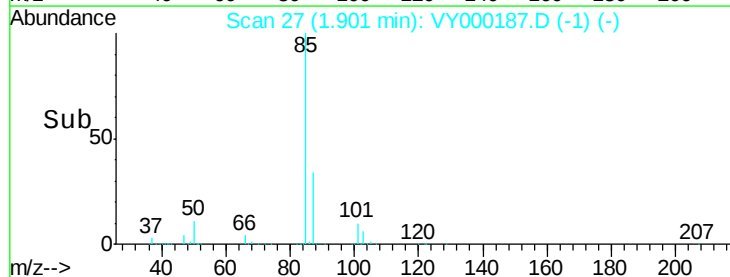
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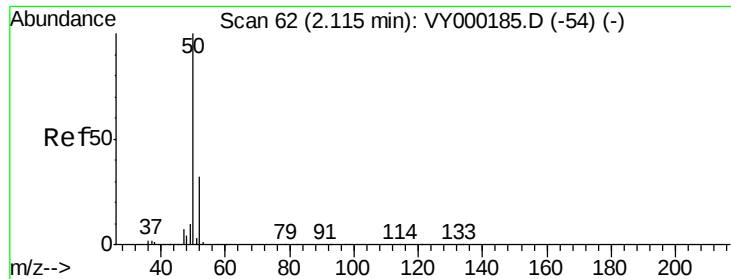
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 210.361 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 633516

Ion Ratio Lower Upper

50 100

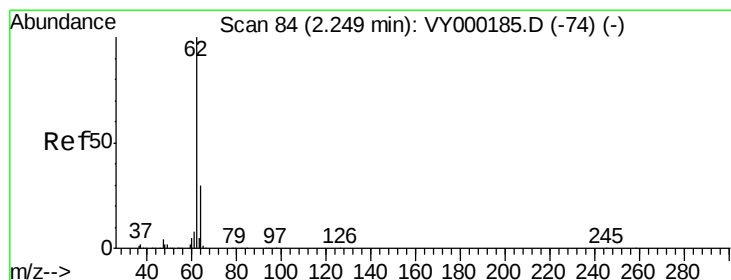
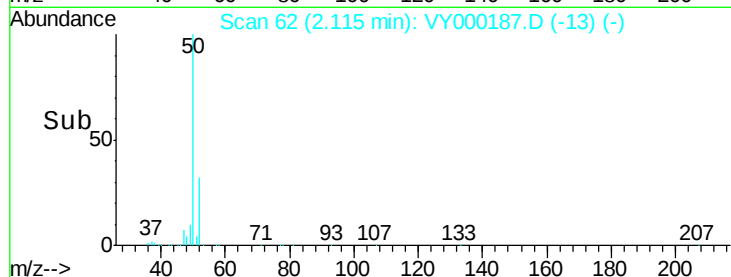
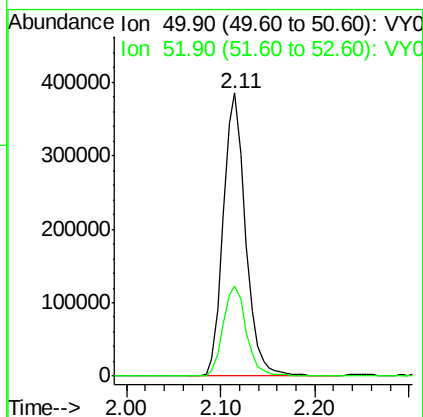
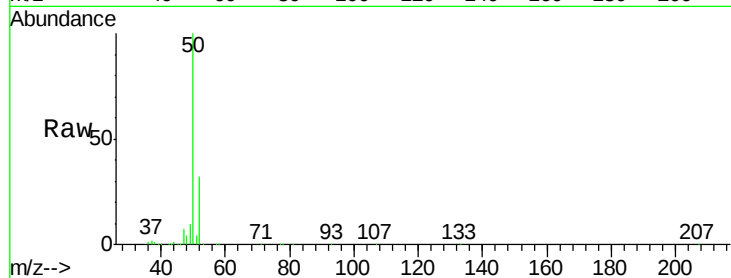
52 32.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 220.915 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000187.D

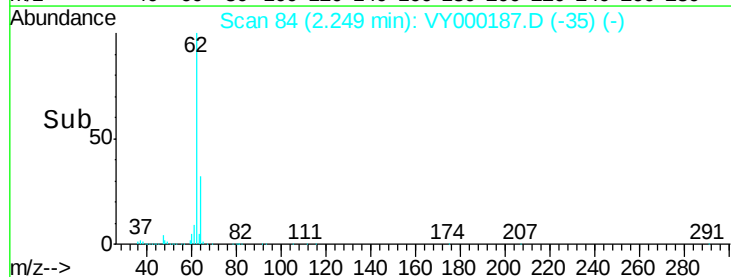
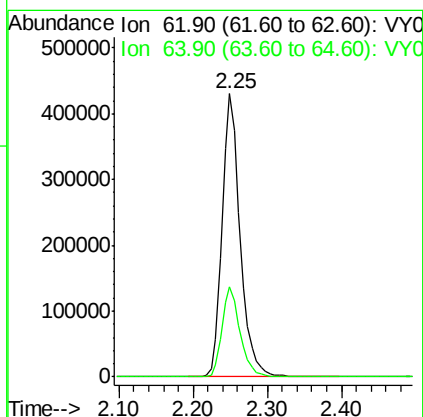
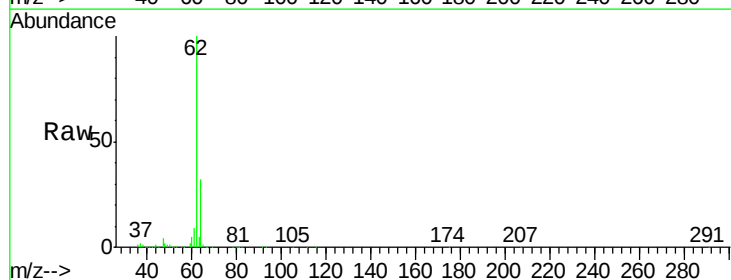
Acq: 03 Oct 2019 16:46

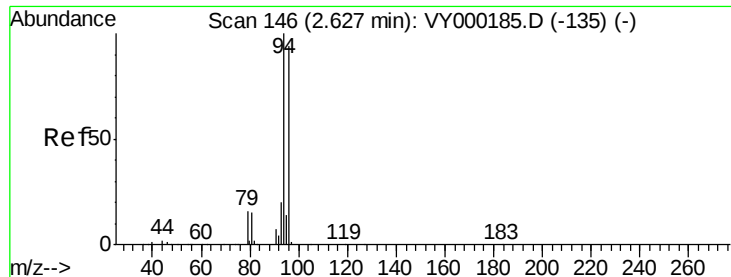
Tgt Ion: 62 Resp: 721375

Ion Ratio Lower Upper

62 100

64 32.0 24.3 36.5





#5

Bromomethane

Concen: 108.978 ug/l

RT: 2.61 min Scan# 143

Delta R.T. -0.02 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

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ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 232422

Ion Ratio Lower Upper

94 100

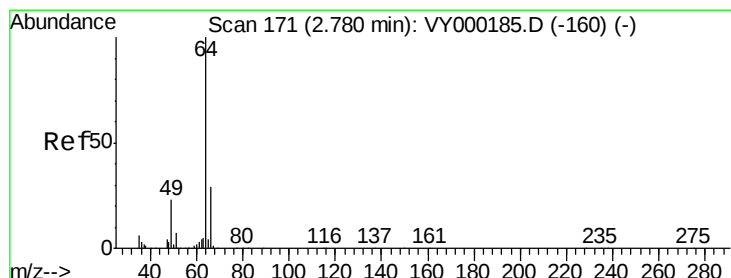
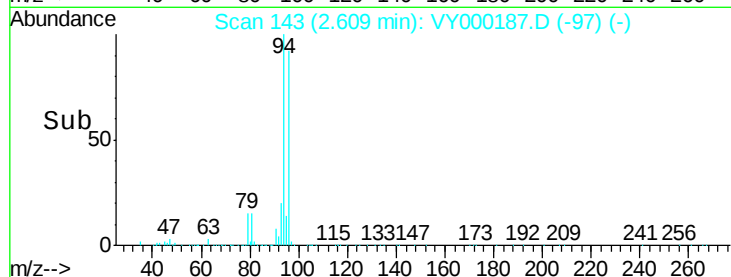
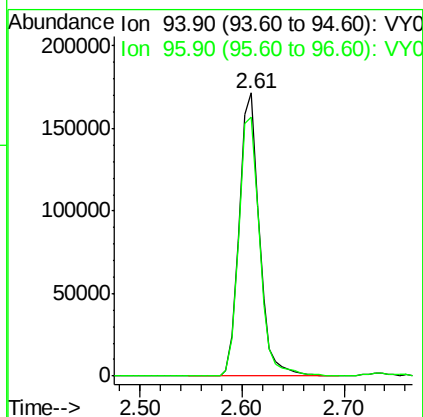
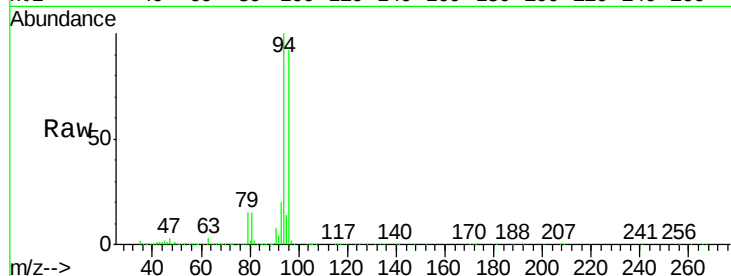
96 91.6 75.3 112.9

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#6

Chloroethane

Concen: 199.631 ug/l

RT: 2.75 min Scan# 167

Delta R.T. -0.02 min

Lab File: VY000187.D

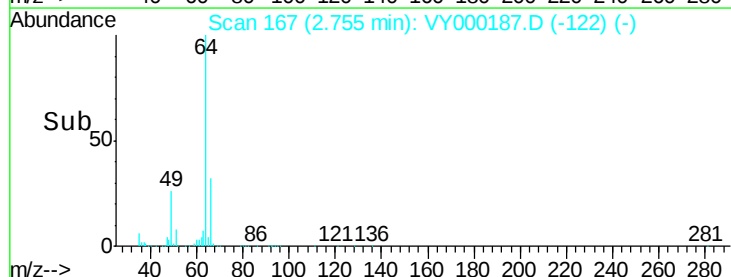
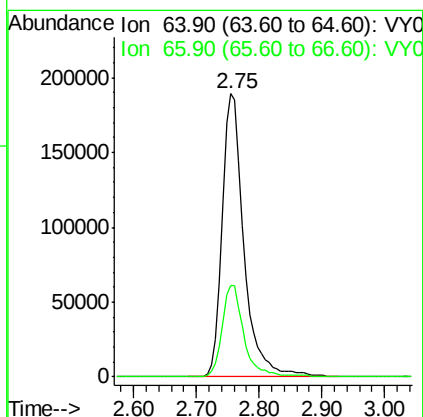
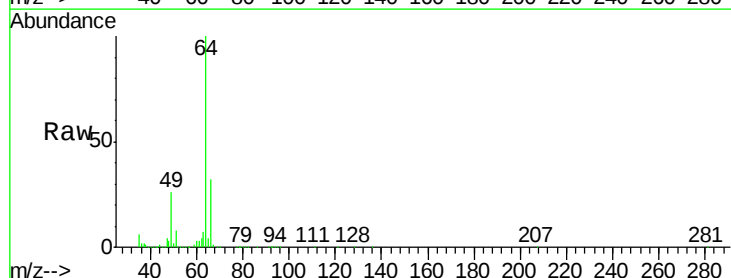
Acq: 03 Oct 2019 16:46

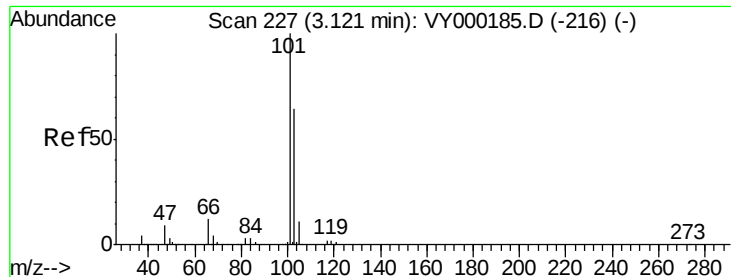
Tgt Ion: 64 Resp: 454192

Ion Ratio Lower Upper

64 100

66 32.2 23.1 34.7





#7

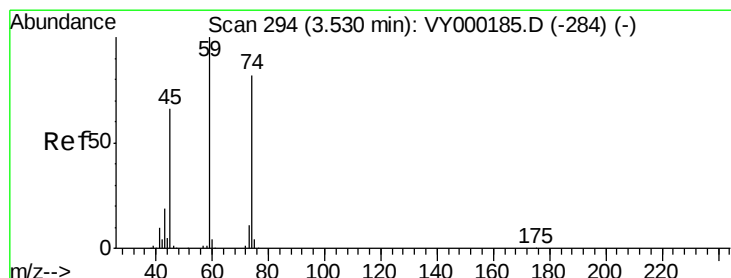
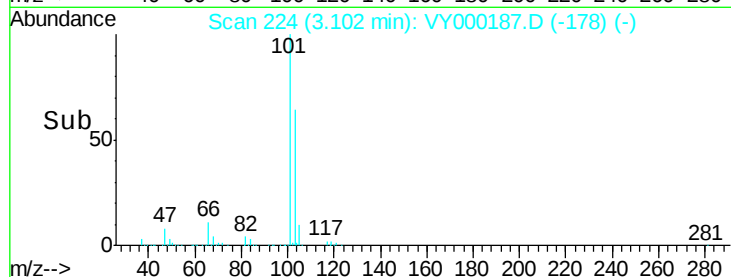
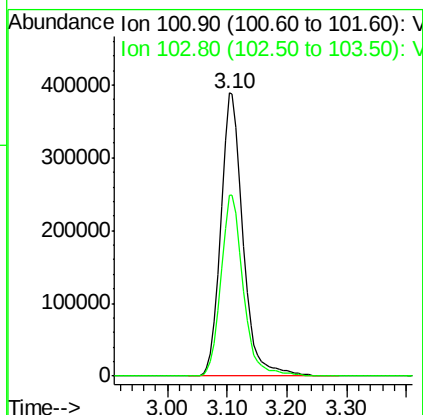
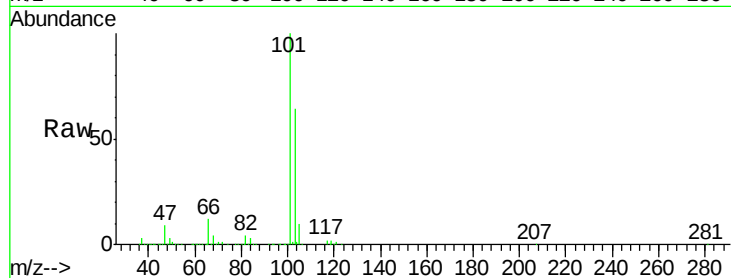
Trichlorofluoromethane
Concen: 193.423 ug/l
RT: 3.10 min Scan# 224
Delta R.T. -0.02 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1007962
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

Manual Integrations
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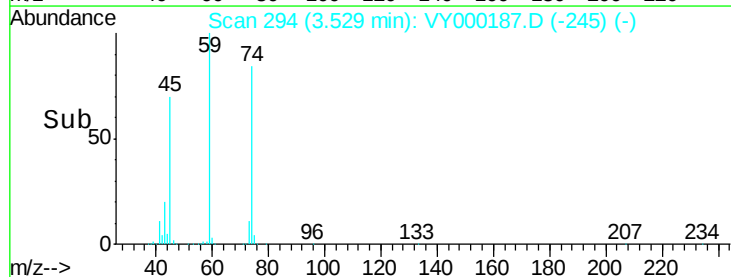
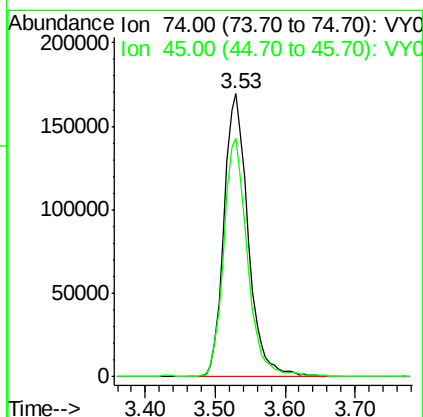
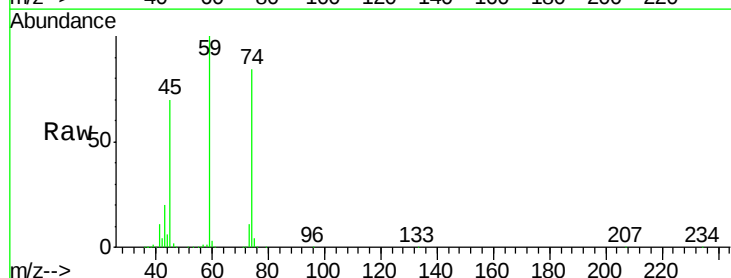
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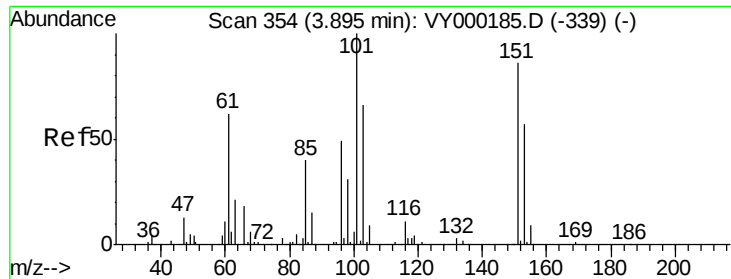


#8

Diethyl Ether
Concen: 176.986 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 74 Resp: 408178
Ion Ratio Lower Upper
74 100
45 82.7 40.6 121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 179.685 ug/l

RT: 3.89 min Scan# 353

Delta R.T. -0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

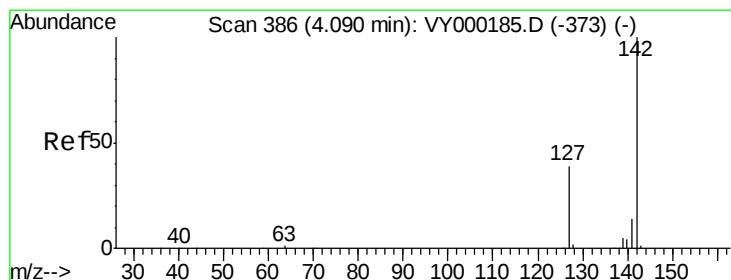
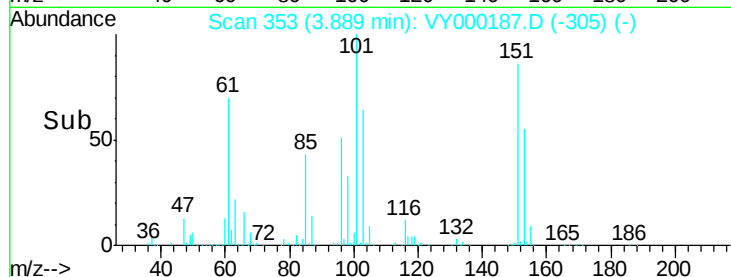
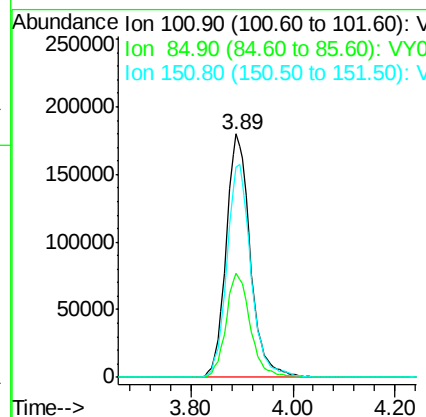
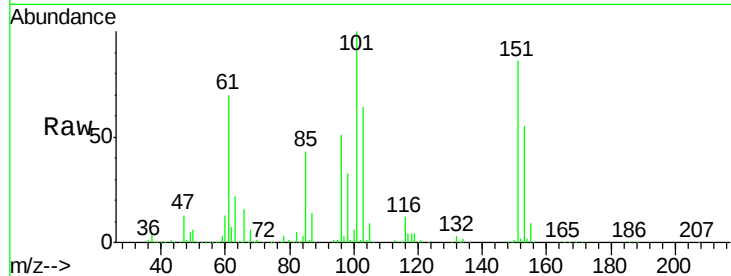
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	591969
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.8	50.6
151	87.4	69.7	104.5

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#10

Methyl Iodide

Concen: 225.621 ug/l

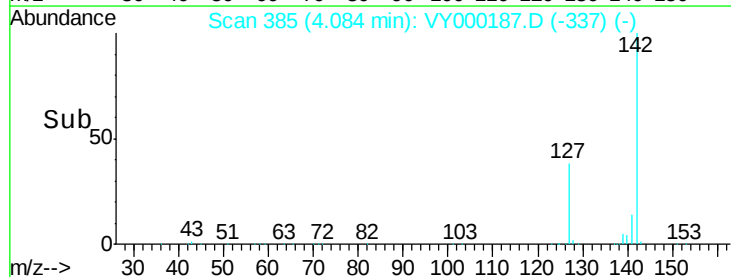
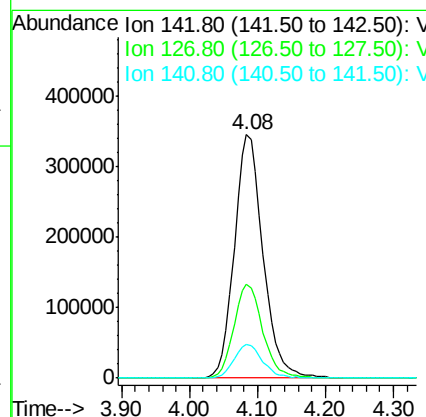
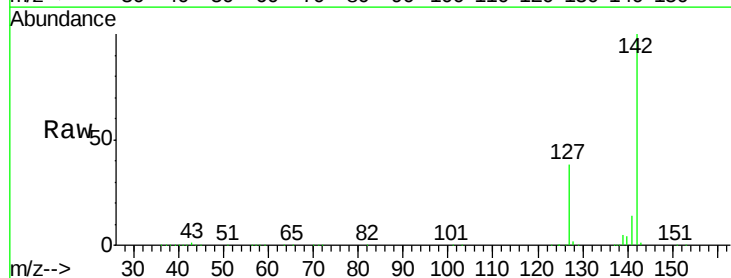
RT: 4.08 min Scan# 385

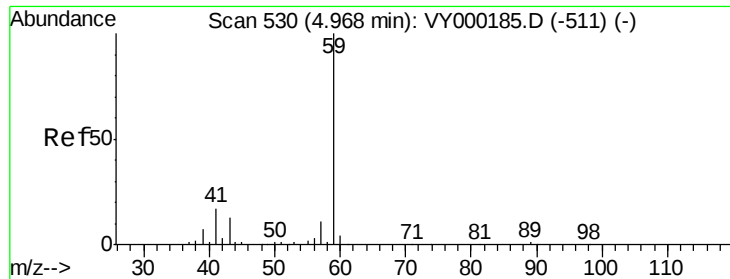
Delta R.T. -0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion:	142	Resp:	1009964
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.7	47.5
141	13.9	11.0	16.6





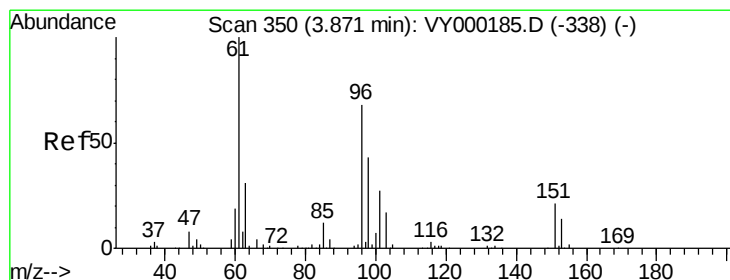
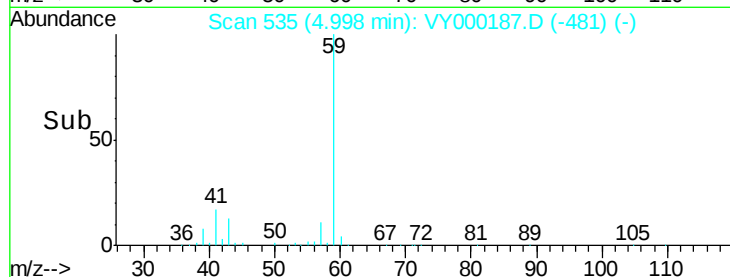
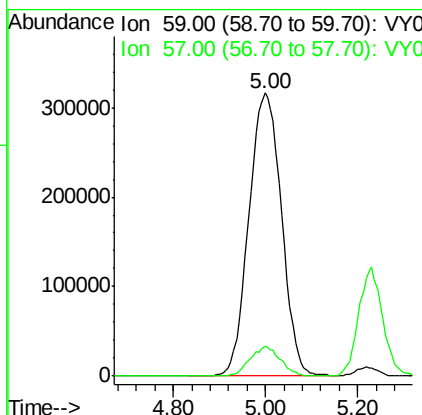
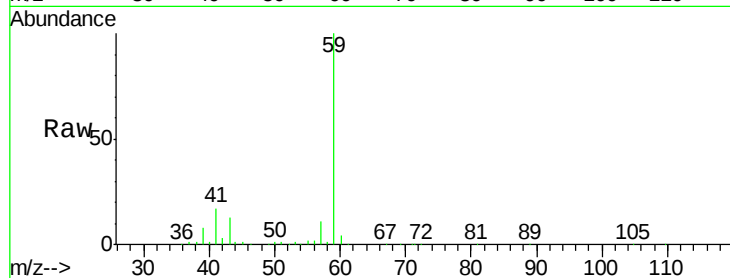
#11
Tert butyl alcohol
Concen: 709.151 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.03 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 1550577
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

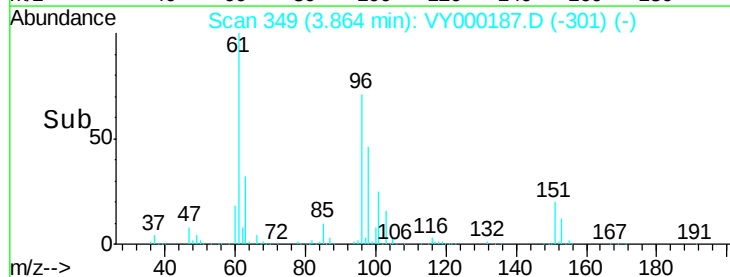
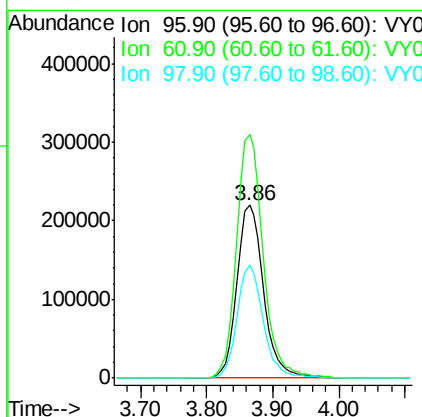
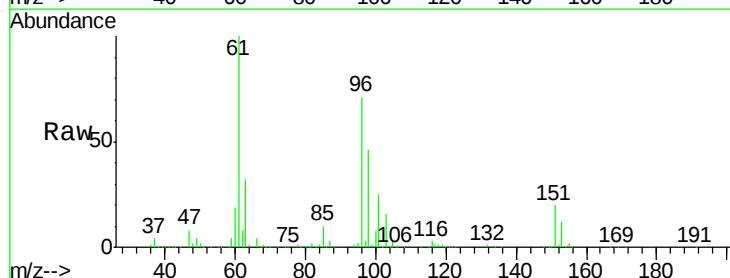
Manual Integrations
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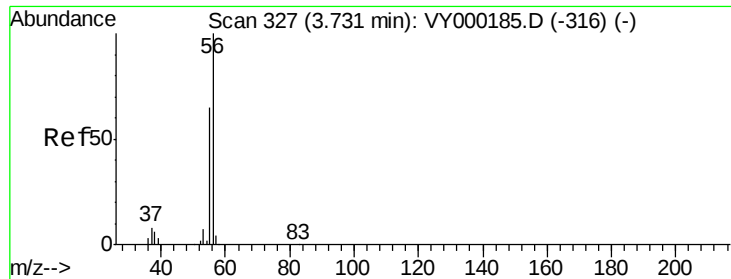
MMDadoda
10/7/2019 12:51:08 PM



#12
1,1-Dichloroethene
Concen: 199.068 ug/l
RT: 3.86 min Scan# 349
Delta R.T. -0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 96 Resp: 616591
Ion Ratio Lower Upper
96 100
61 141.0 117.1 175.7
98 65.3 50.3 75.5





#13

Acrolein

Concen: 755.503 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 711697

Ion Ratio Lower Upper

56 100

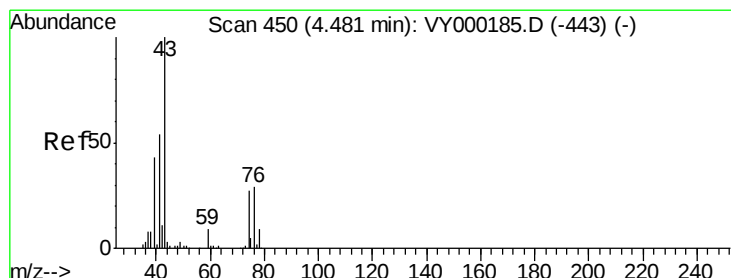
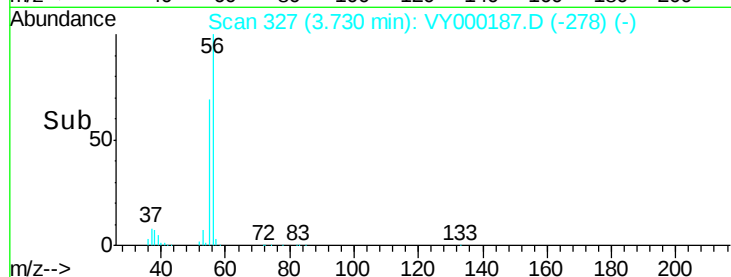
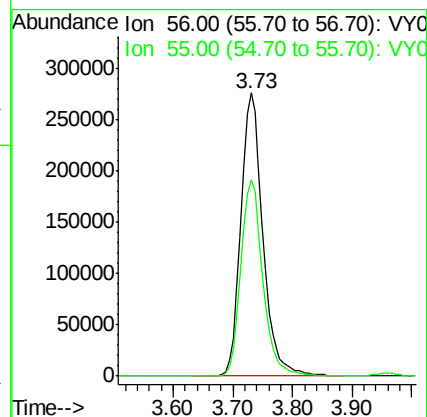
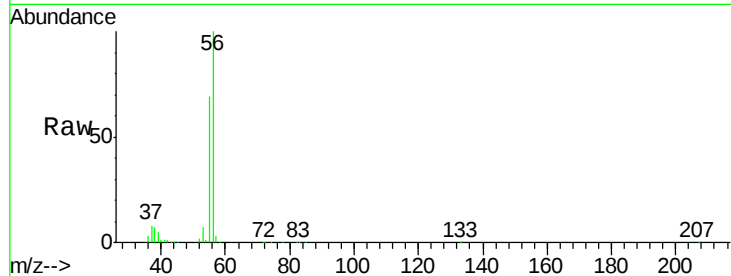
55 68.9 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 199.710 ug/l m

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

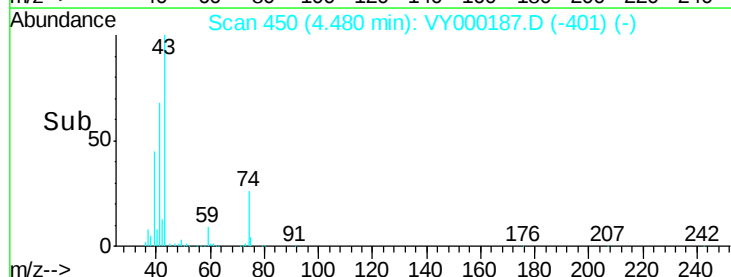
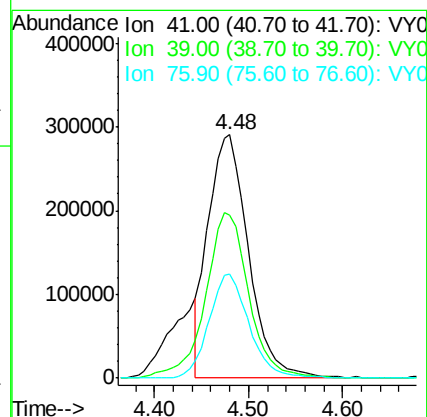
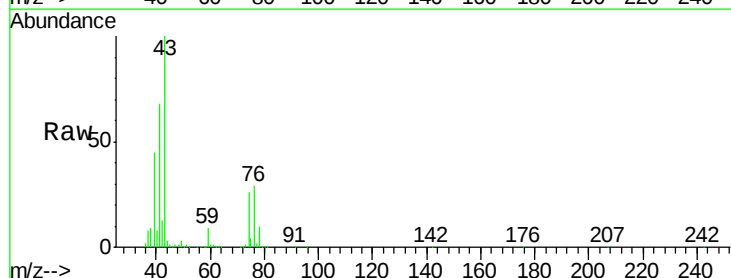
Tgt Ion: 41 Resp: 861796

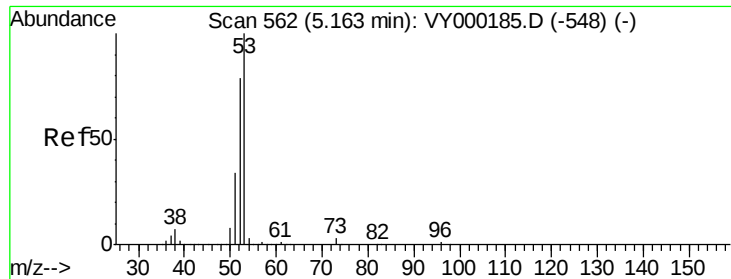
Ion Ratio Lower Upper

41 100

39 73.4 61.8 92.6

76 42.6 36.2 54.4





#15

Acrylonitrile

Concen: 829.468 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2913161

Ion Ratio Lower Upper

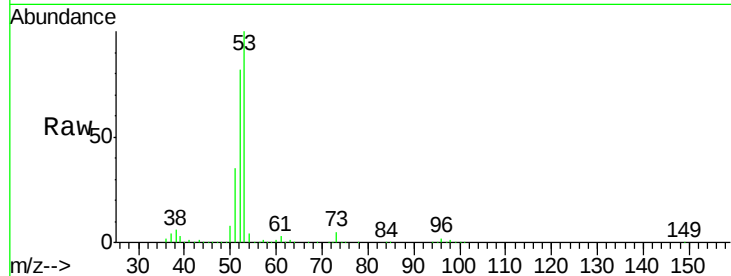
53 100

52 81.7 64.8 97.2

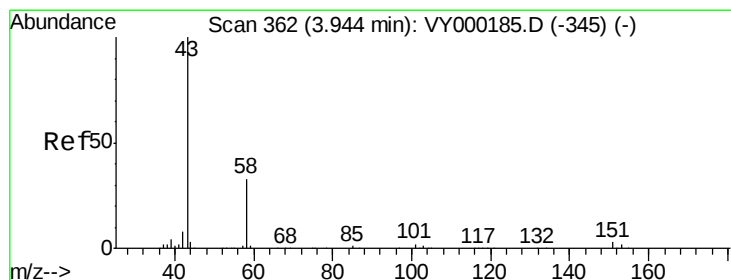
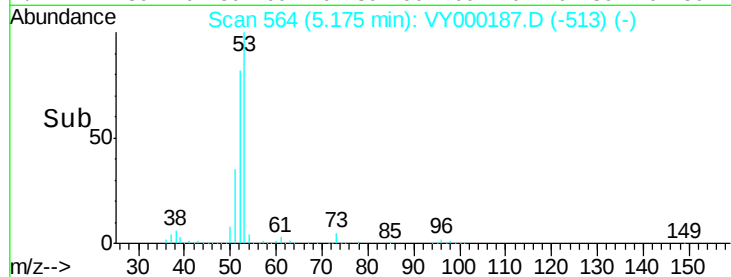
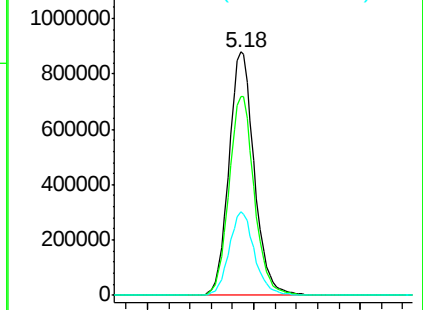
51 34.4 27.7 41.5

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 816.694 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000187.D

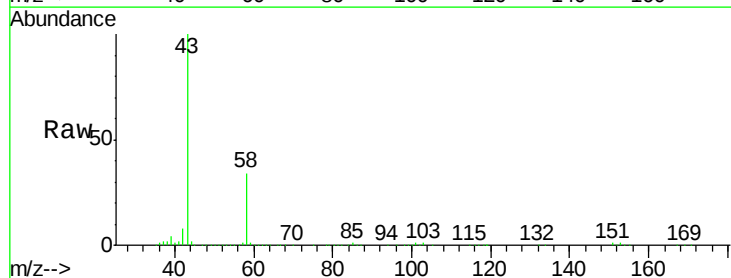
Acq: 03 Oct 2019 16:46

Tgt Ion: 43 Resp: 2380255

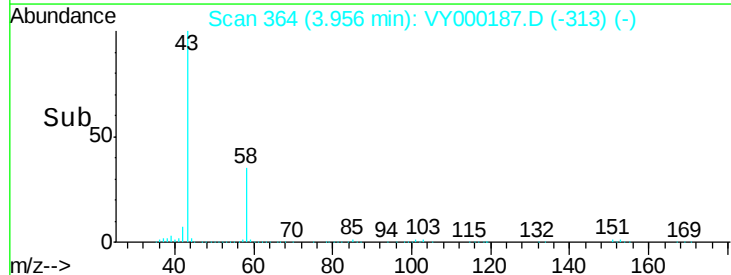
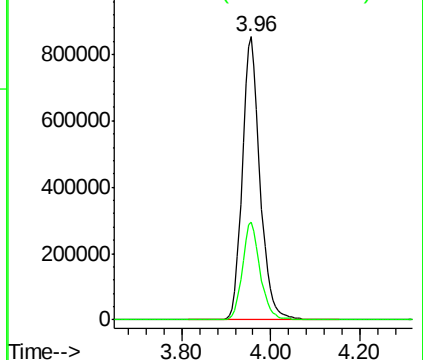
Ion Ratio Lower Upper

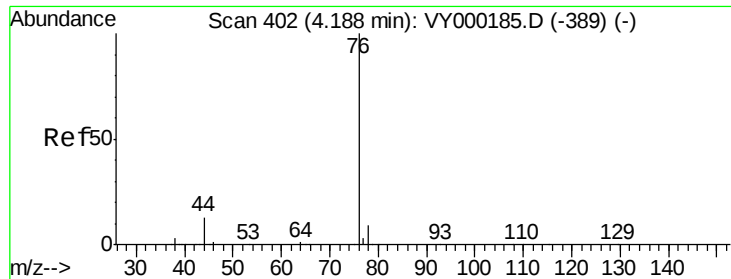
43 100

58 34.5 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





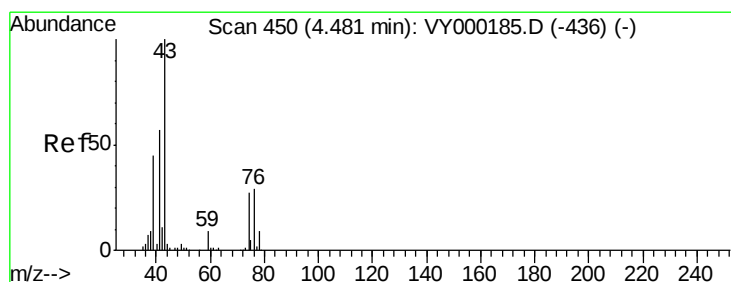
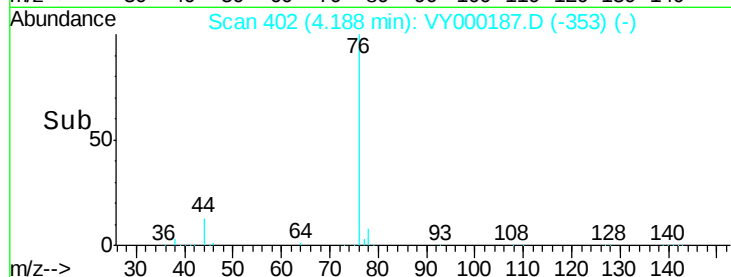
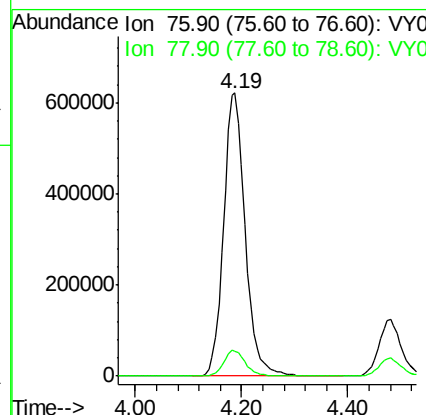
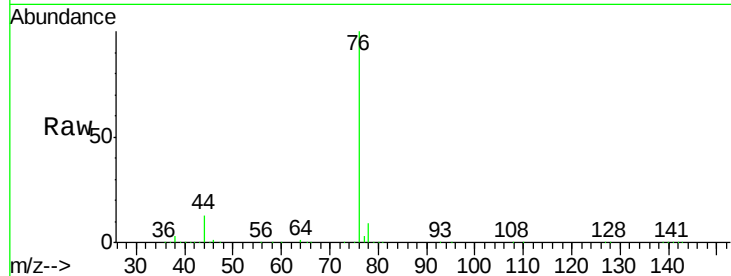
#17
Carbon Disulfide
Concen: 281.347 ug/l
RT: 4.19 min Scan# 402
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1755401
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

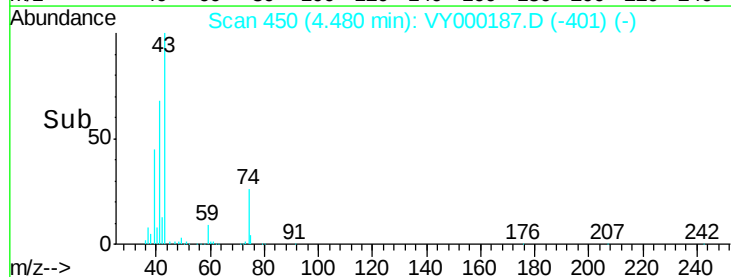
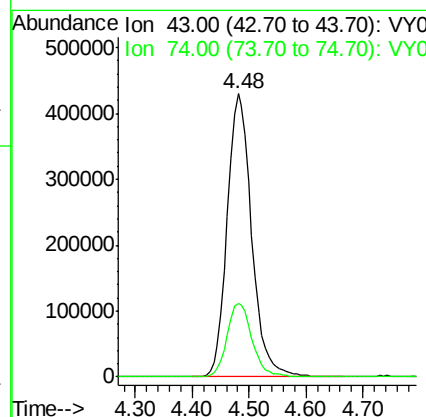
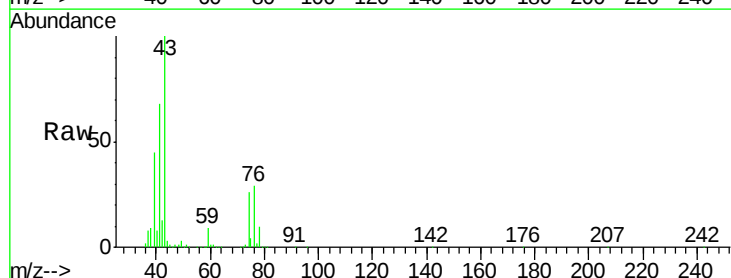
Manual Integrations
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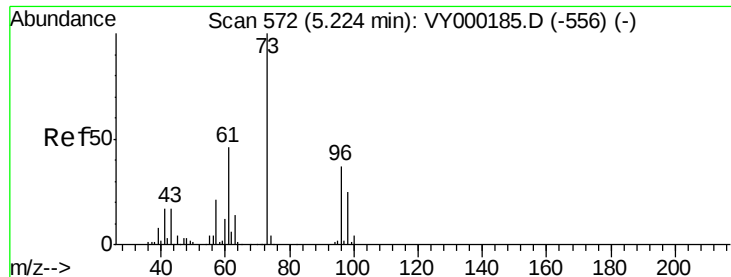
MMDadoda
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#18
Methyl Acetate
Concen: 157.676 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 43 Resp: 1283646
Ion Ratio Lower Upper
43 100
74 26.7 22.3 33.5





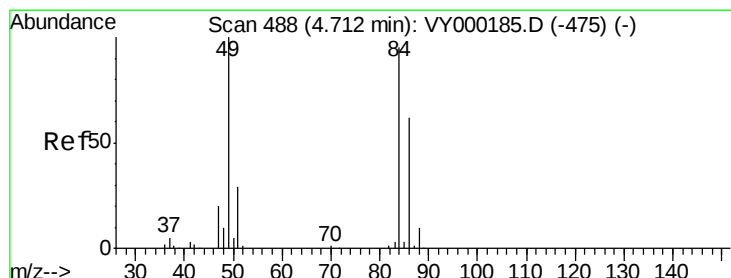
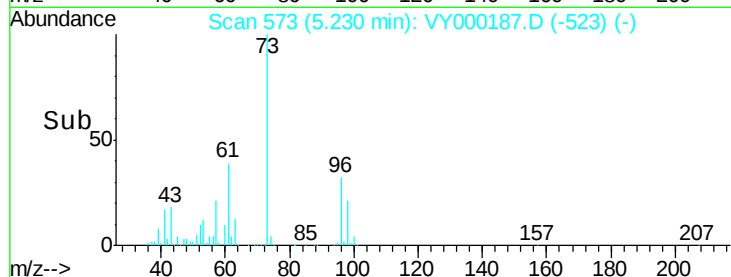
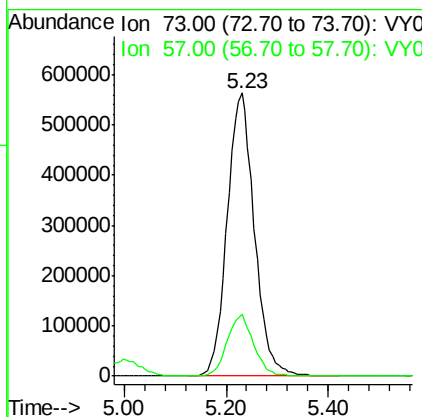
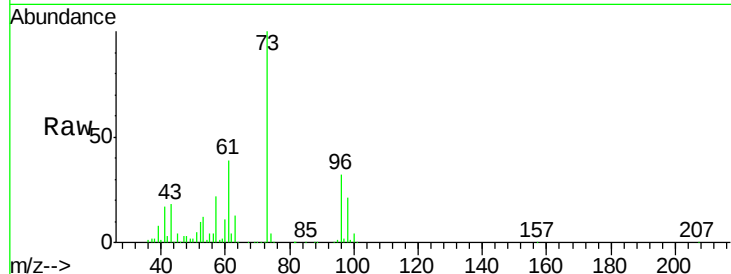
#19
Methvl tert-butvl Ether
Concen: 166.476 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2081061
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3

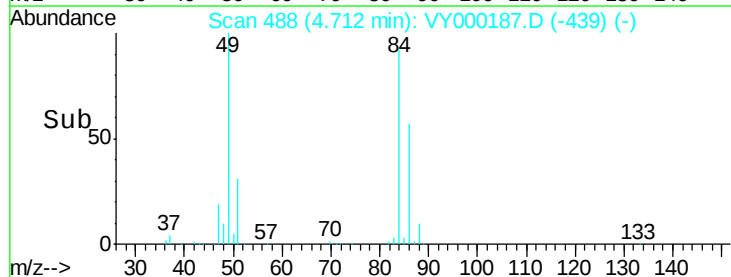
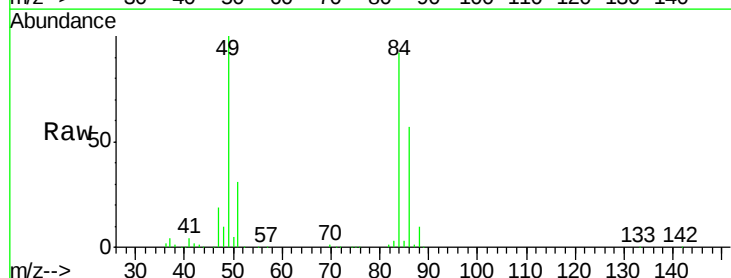
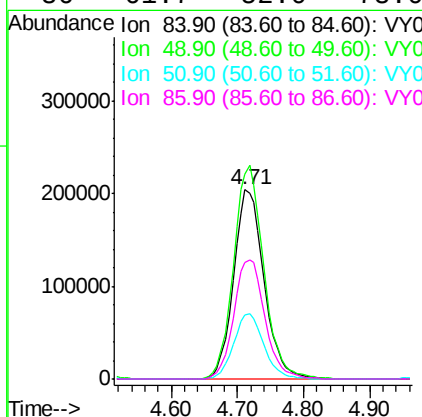
Manual Integrations
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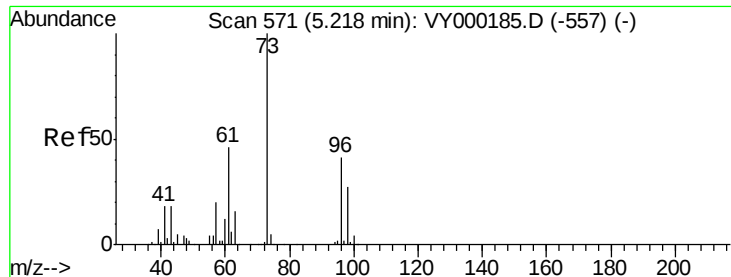
MMDadoda
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#20
Methylene Chloride
Concen: 170.875 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 84 Resp: 651938
Ion Ratio Lower Upper
84 100
49 108.2 84.2 126.4
51 33.6 24.6 37.0
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 202.287 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

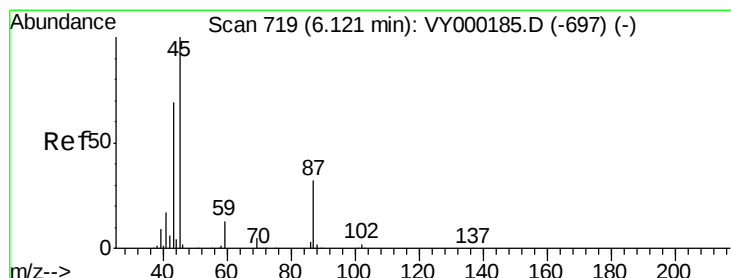
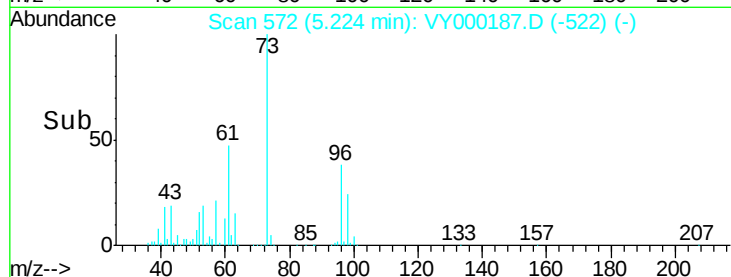
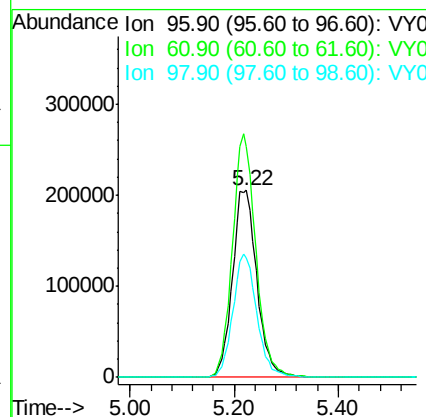
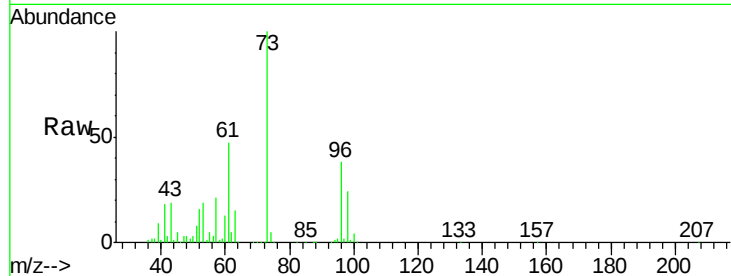
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	675766
Ion	Ratio	Lower	Upper
96	100		
61	123.7	91.4	137.0
98	64.0	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 181.325 ug/l

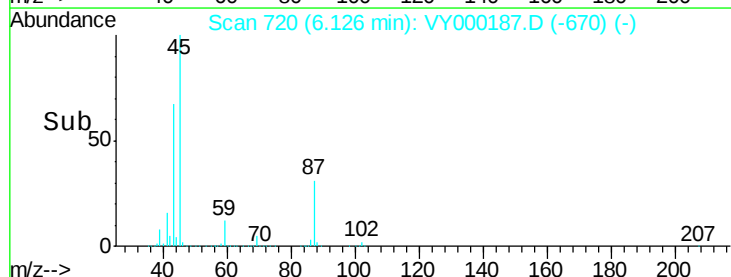
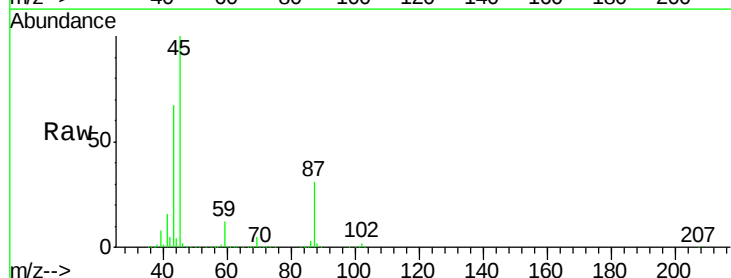
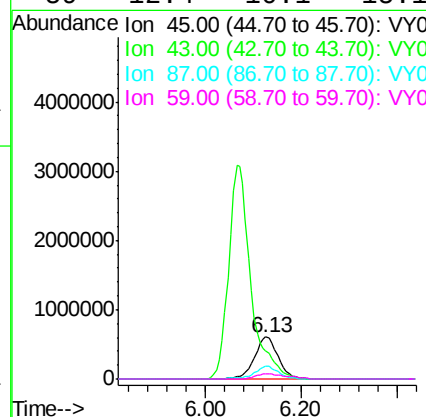
RT: 6.13 min Scan# 720

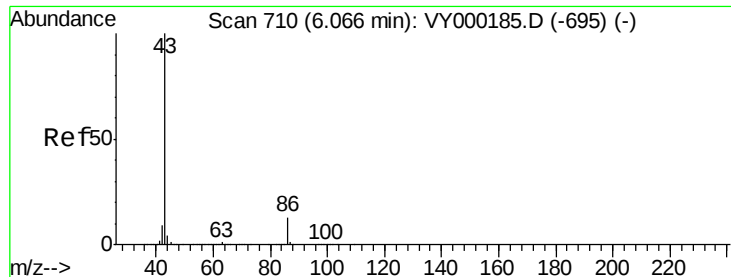
Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion:	45	Resp:	2075424
Ion	Ratio	Lower	Upper
45	100		
43	67.0	55.4	83.0
87	30.9	25.8	38.8
59	12.4	10.1	15.1





#23

Vinyl Acetate

Concen: 1005.223 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 9893123

Ion Ratio Lower Upper

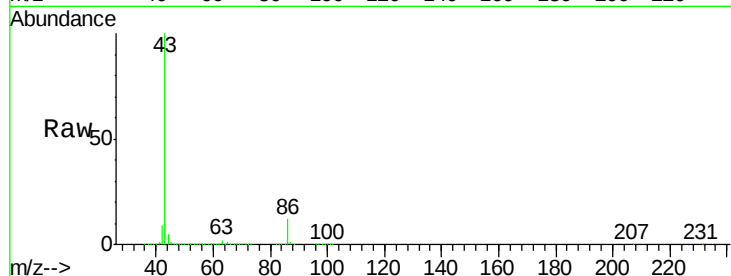
43 100

86 11.5 10.2 15.2

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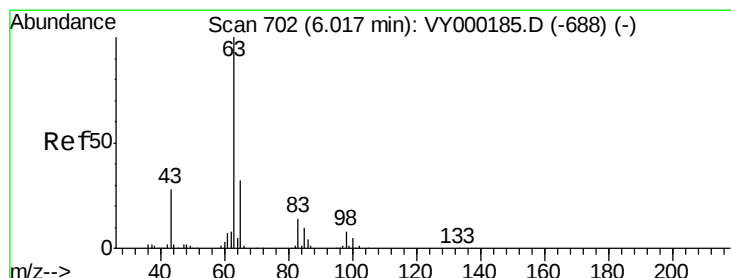
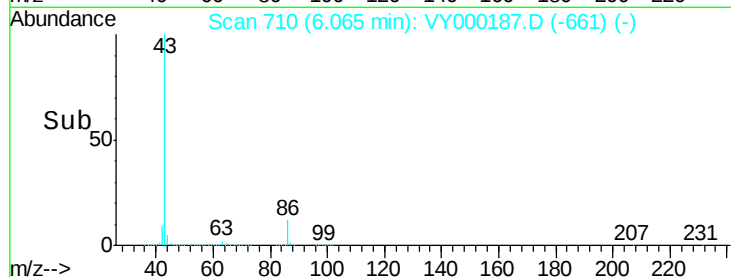
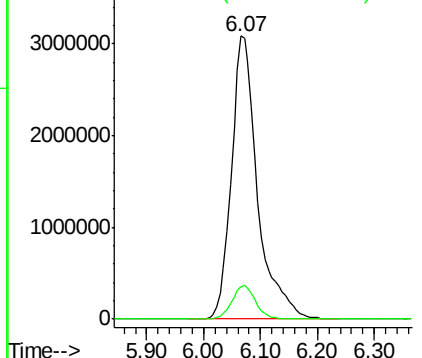
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 175.889 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

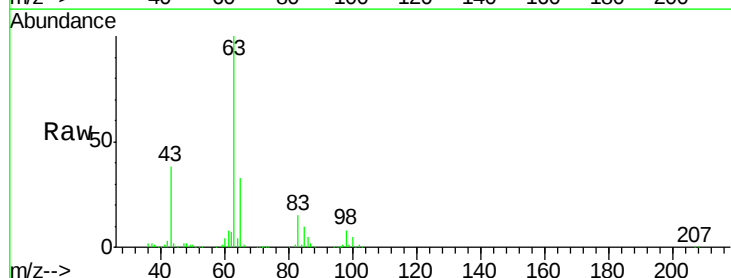
Tgt Ion: 63 Resp: 1077134

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

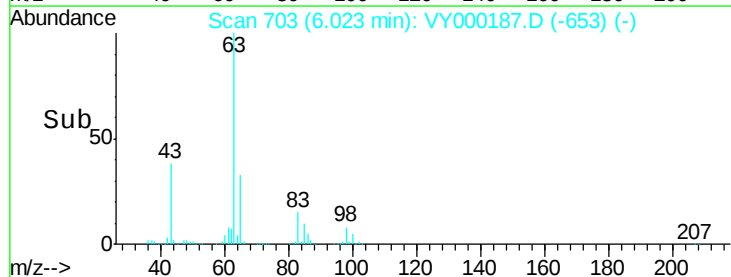
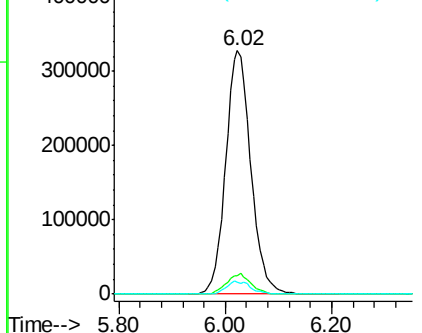
100 5.0 2.3 6.9

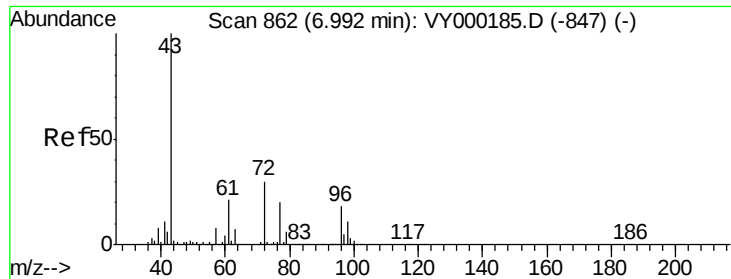


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 835.179 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4327570

Ion Ratio Lower Upper

43 100

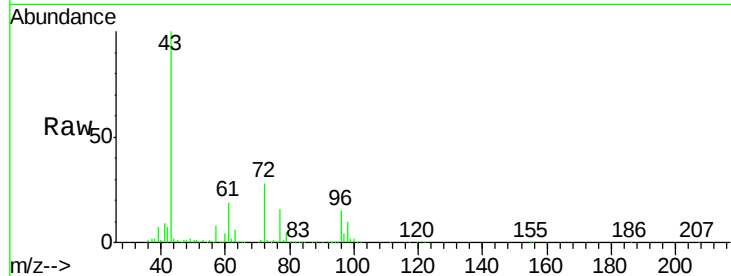
72 28.3 24.0 36.0

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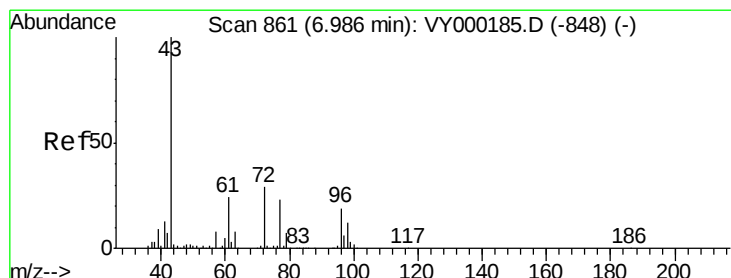
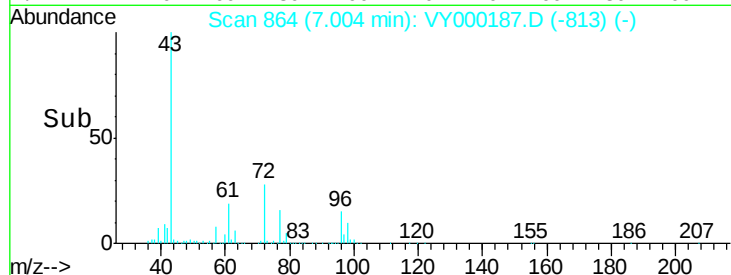
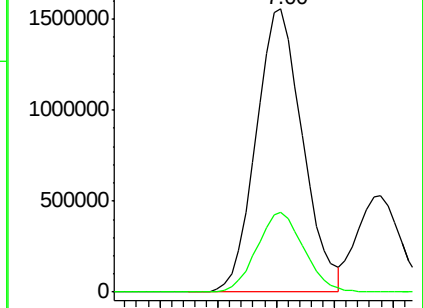
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 169.727 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.01 min

Lab File: VY000187.D

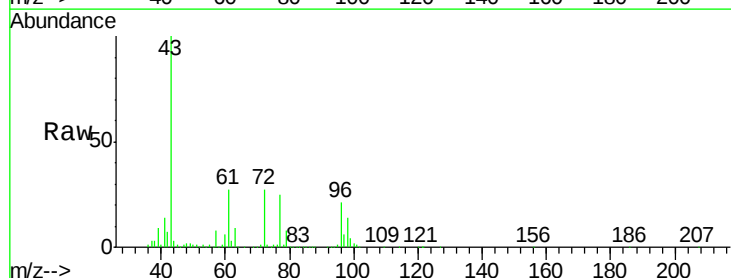
Acq: 03 Oct 2019 16:46

Tgt Ion: 77 Resp: 1011089

Ion Ratio Lower Upper

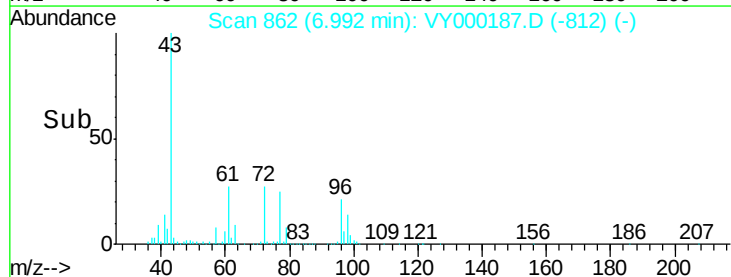
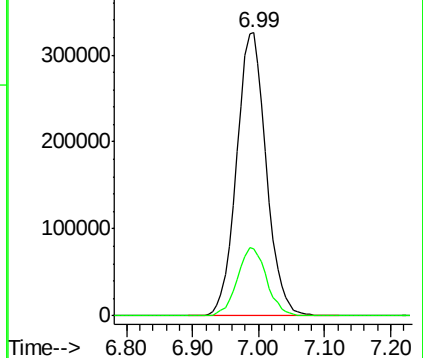
77 100

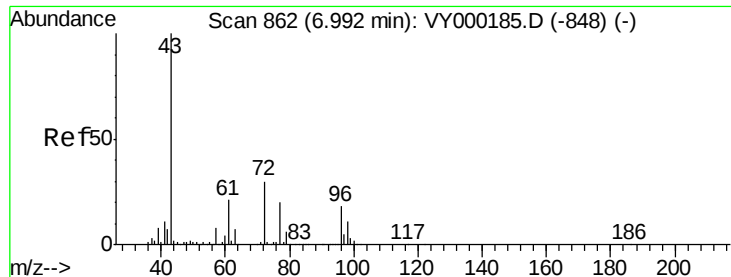
97 24.0 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

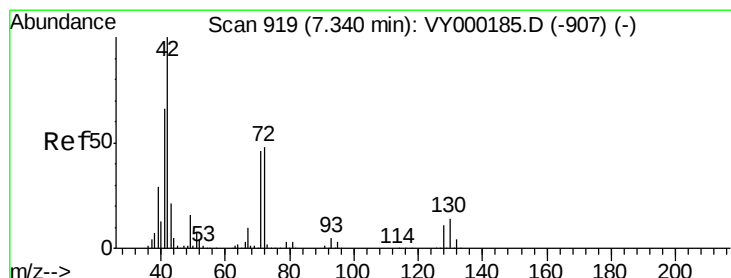
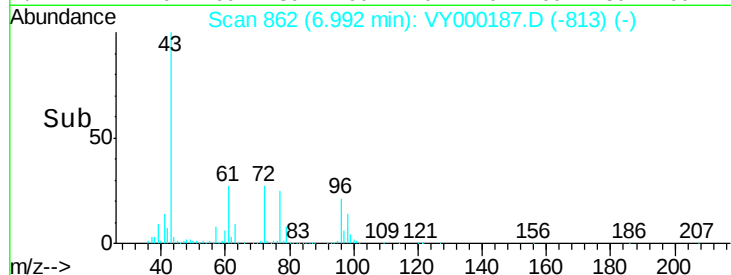
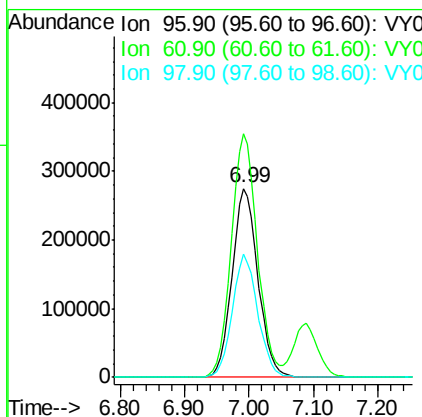
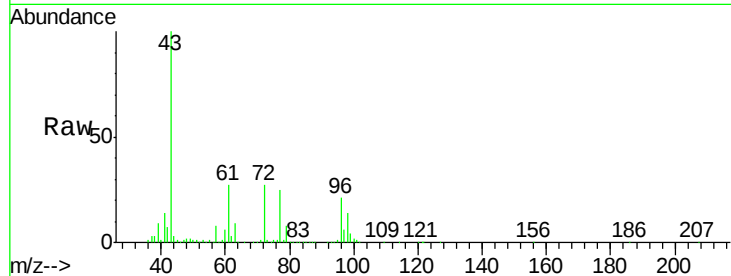
cis-1,2-Dichloroethene
 Concen: 175.114 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	769279		
61	130.6		0.0	251.4
98	64.3		0.0	129.4

Manual Integrations
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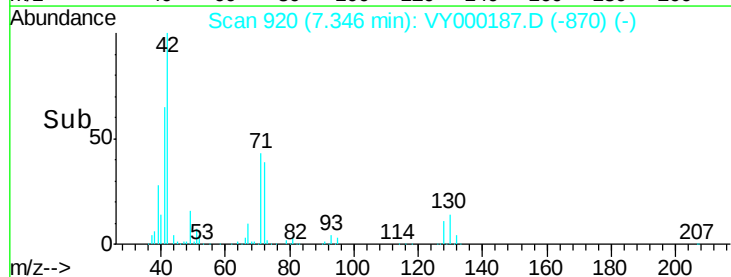
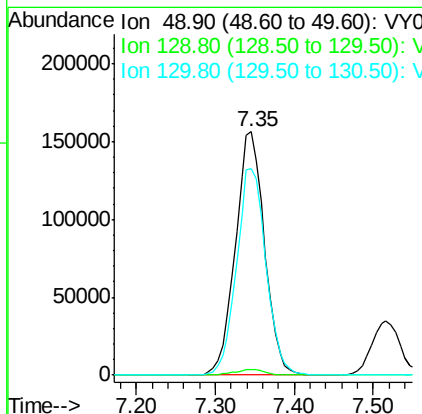
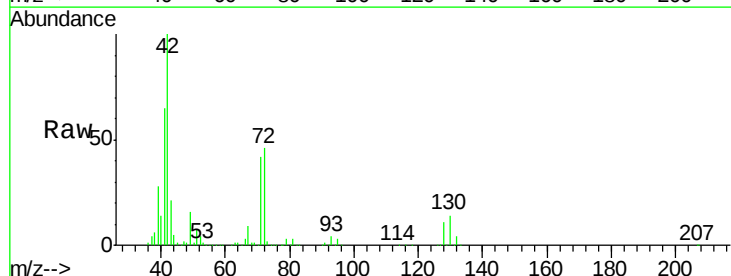
MMDadoda
 10/7/2019 12:51:08 PM

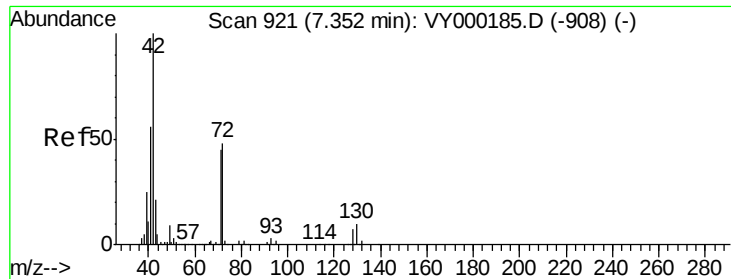


#28

Bromochloromethane
 Concen: 166.212 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	400513		
129	2.4		0.0	5.4
130	85.9		74.2	111.4





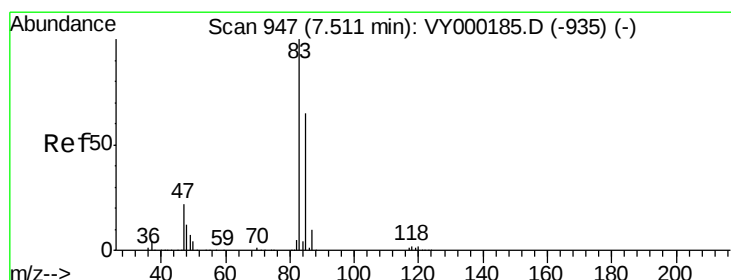
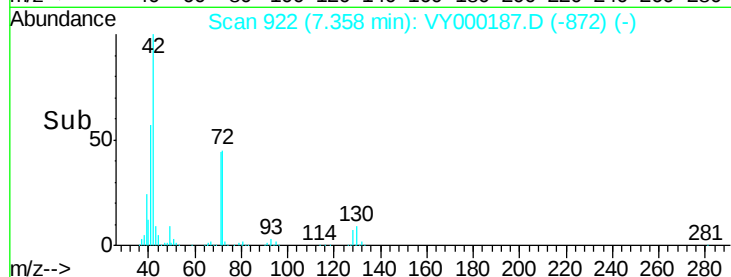
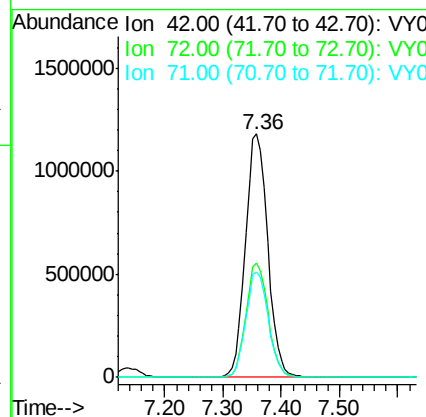
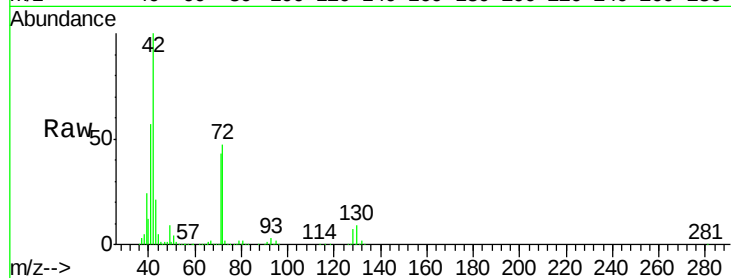
#29
Tetrahydrofuran
Concen: 906.520 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 3134016
Ion Ratio Lower Upper
42 100
72 46.7 39.3 58.9
71 43.4 36.7 55.1

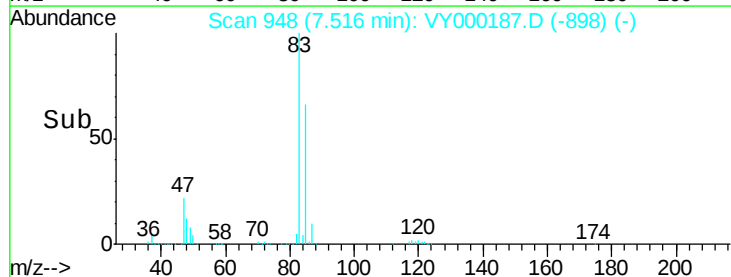
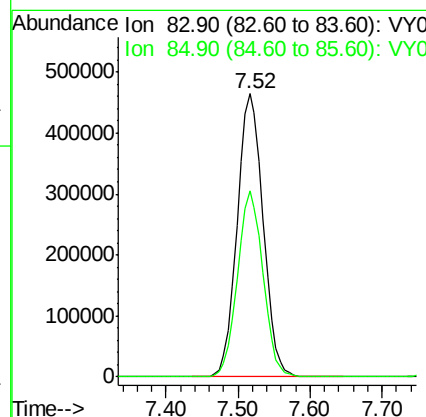
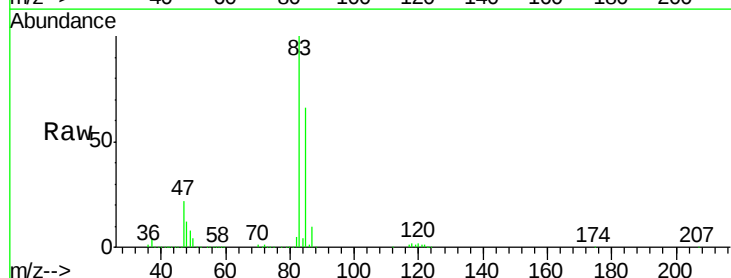
Manual Integrations
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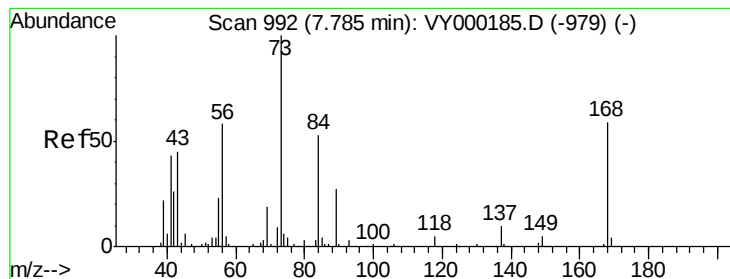
MMDadoda
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#30
Chloroform
Concen: 165.644 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 83 Resp: 1162035
Ion Ratio Lower Upper
83 100
85 66.0 51.8 77.6





#31

Cyclohexane

Concen: 231.970 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1041402

Ion Ratio Lower Upper

56 100

69 30.6 26.1 39.1

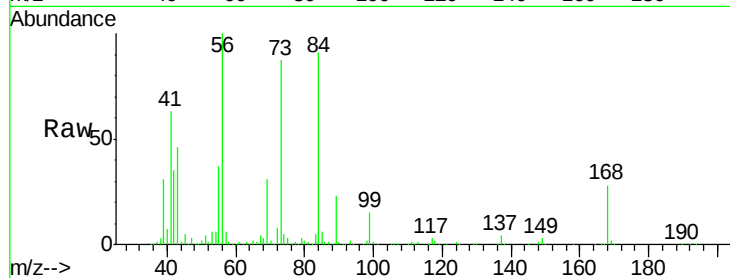
84 89.5 73.8 110.6

Manual Integrations

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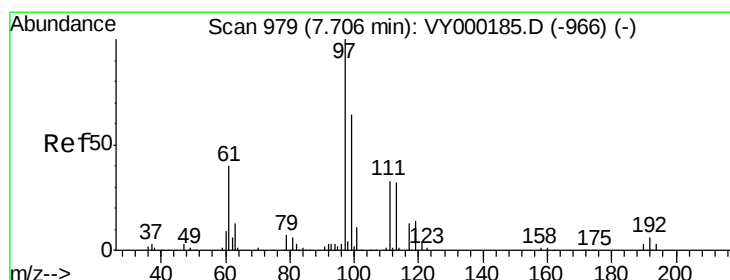
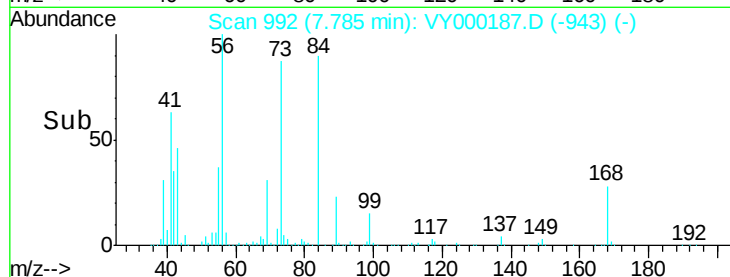
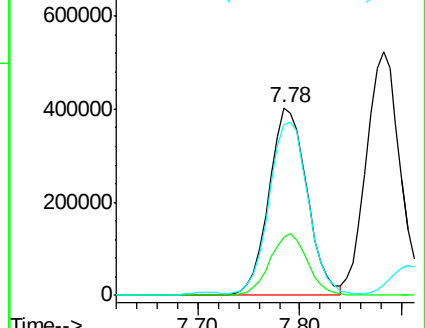
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 176.320 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

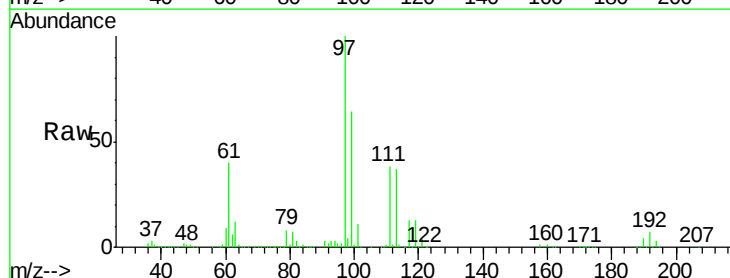
Tgt Ion: 97 Resp: 1055369

Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.8

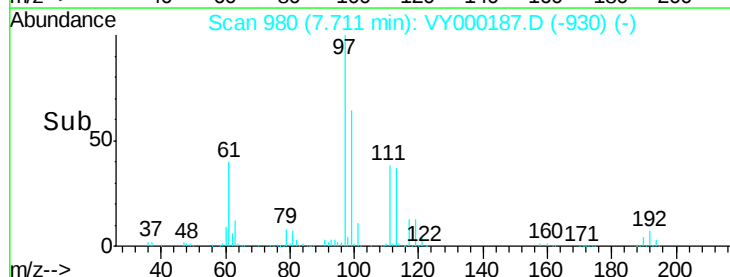
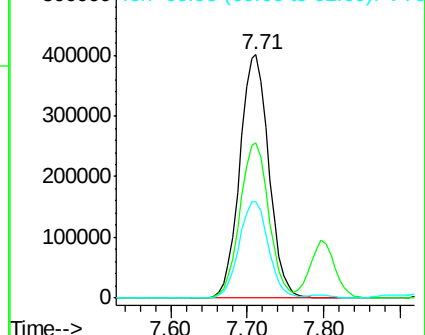
61 40.0 31.2 46.8

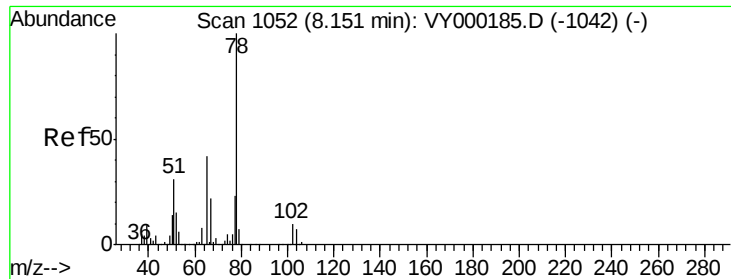


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 151.156 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 689612

Ion Ratio Lower Upper

65 100

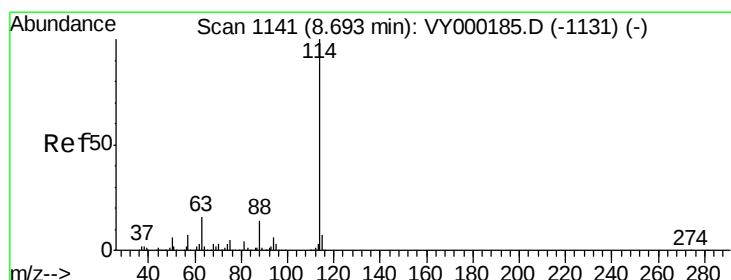
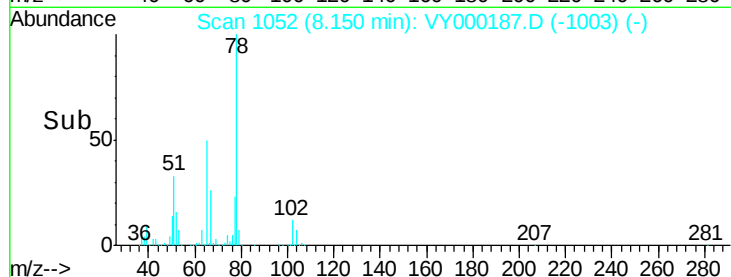
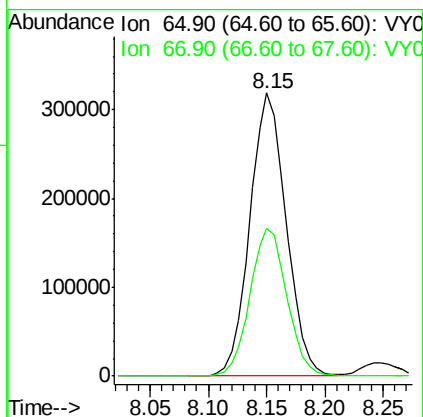
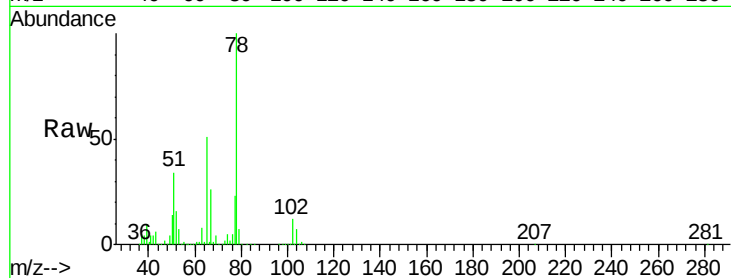
67 53.0 0.0 104.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

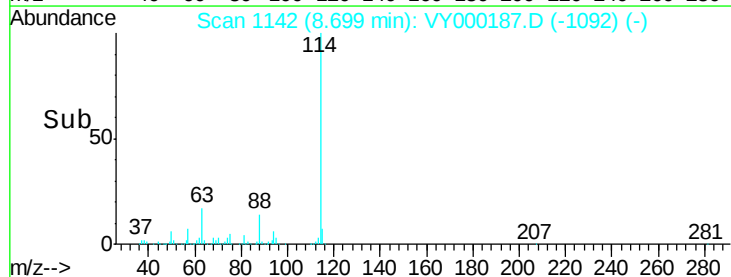
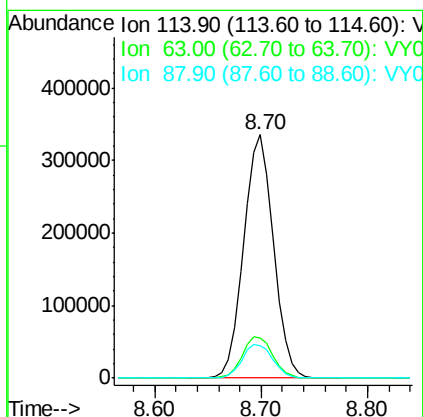
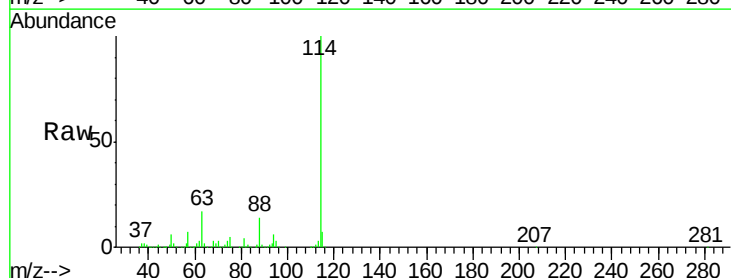
Tgt Ion: 114 Resp: 660325

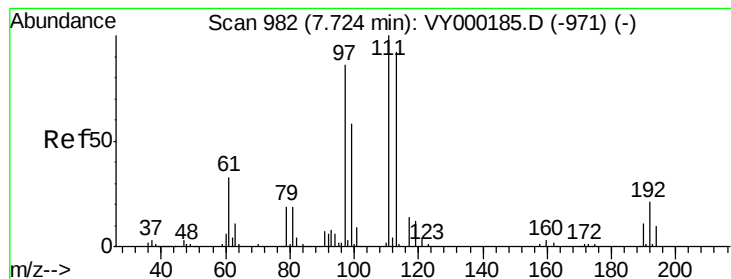
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.0

88 13.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 148.163 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

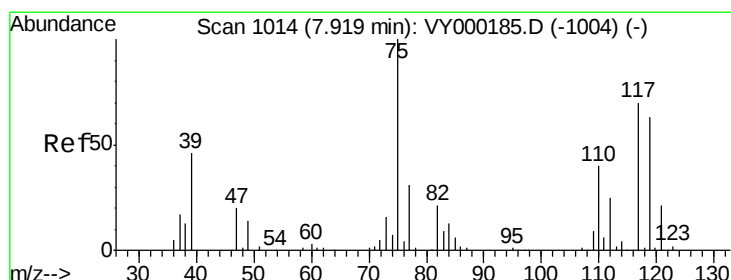
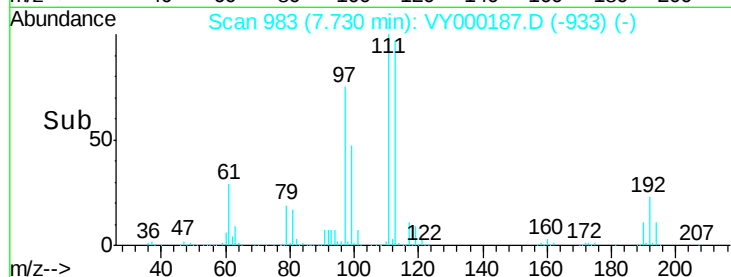
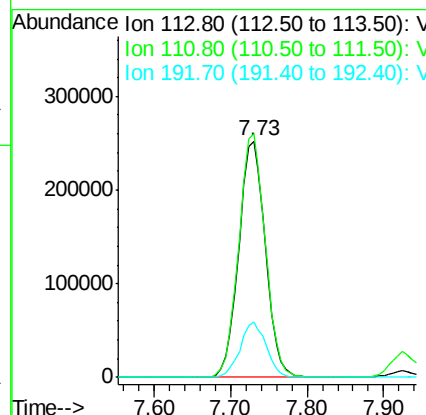
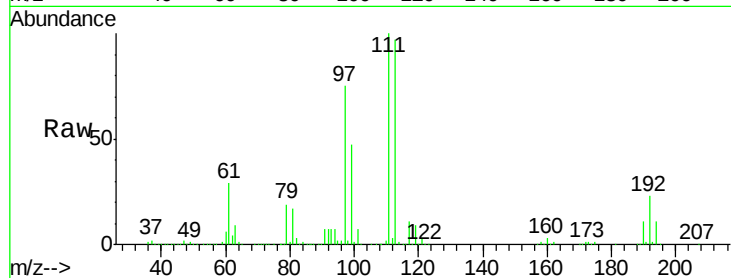
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	606938
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.6	125.4
192	22.9	18.4	27.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 204.825 ug/l

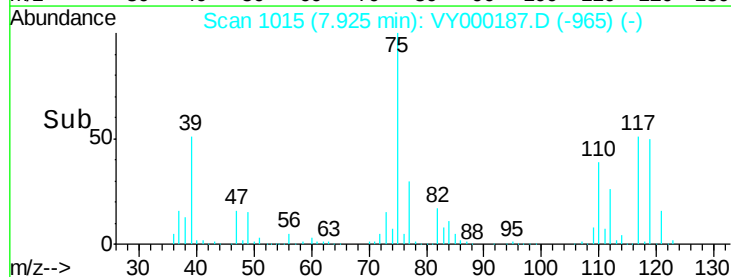
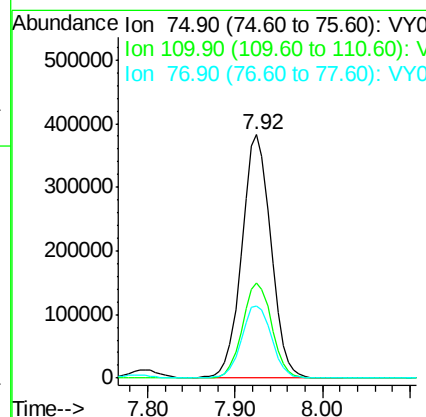
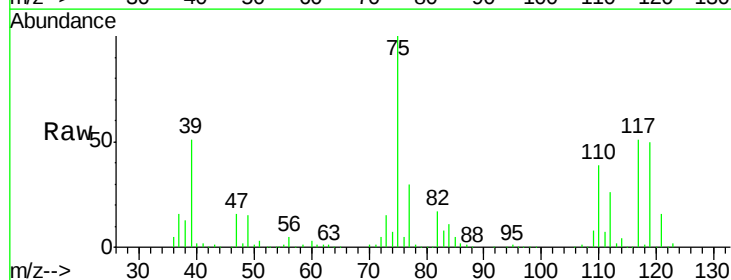
RT: 7.92 min Scan# 1015

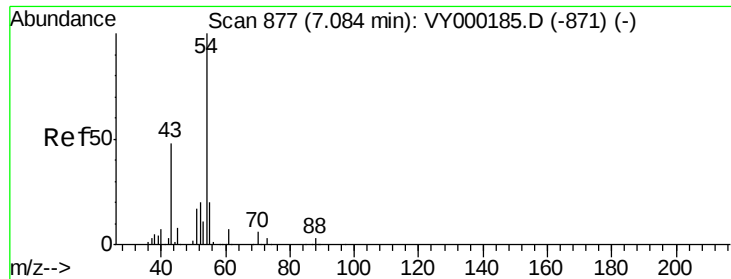
Delta R.T. 0.01 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion:	75	Resp:	885784
Ion Ratio	Lower	Upper	
75	100		
110	39.3	20.4	61.2
77	30.7	24.8	37.2





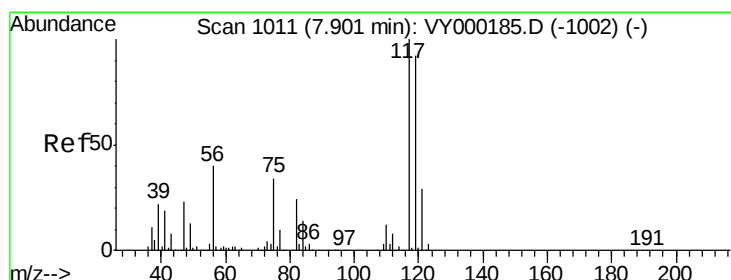
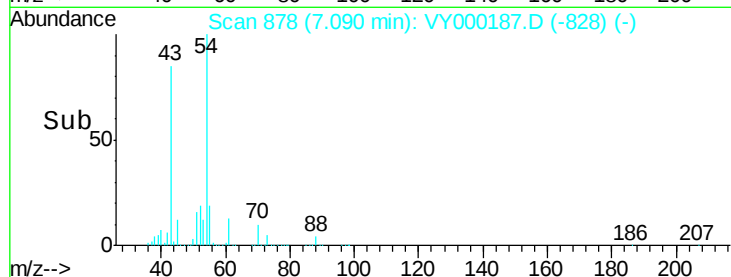
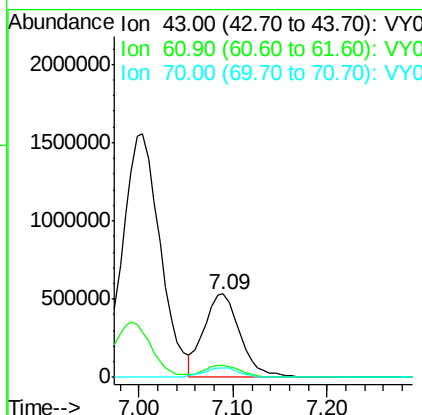
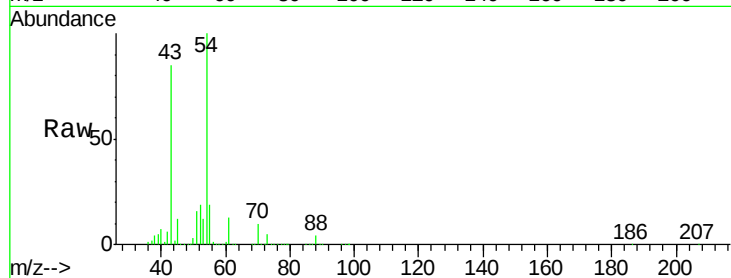
#37
Ethyl Acetate
Concen: 175.355 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1417566
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 11.6 9.4 14.2

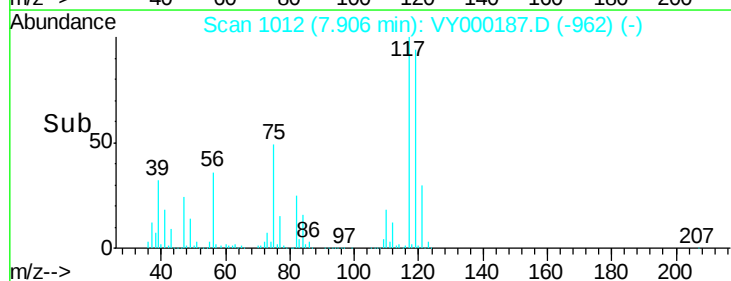
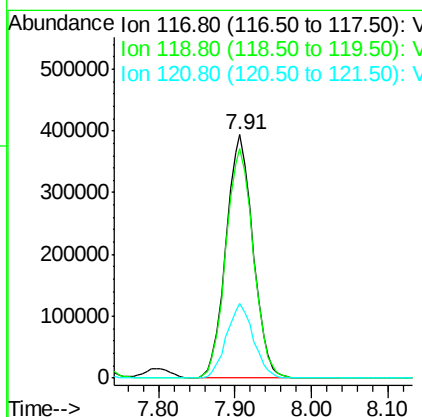
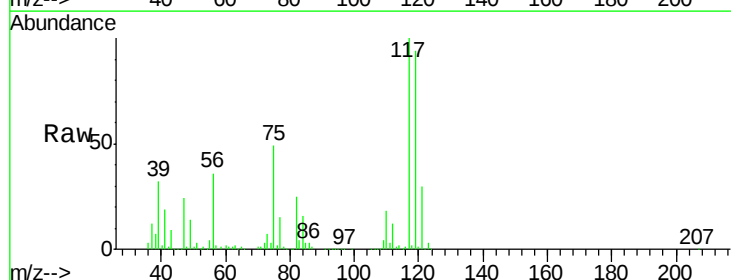
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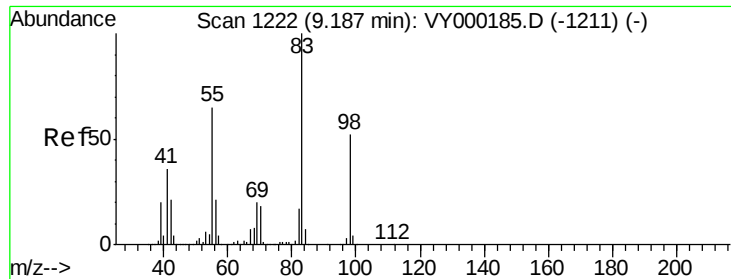
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#38
Carbon Tetrachloride
Concen: 181.052 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 117 Resp: 959900
Ion Ratio Lower Upper
117 100
119 94.3 73.4 110.2
121 30.4 23.2 34.8





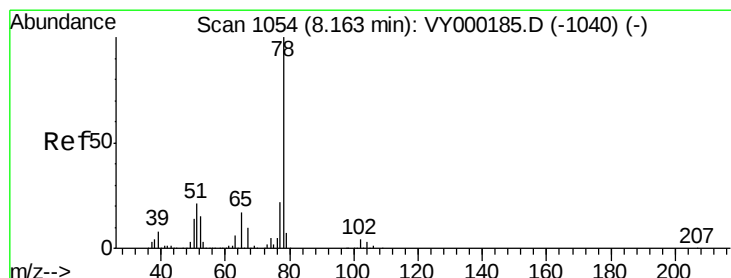
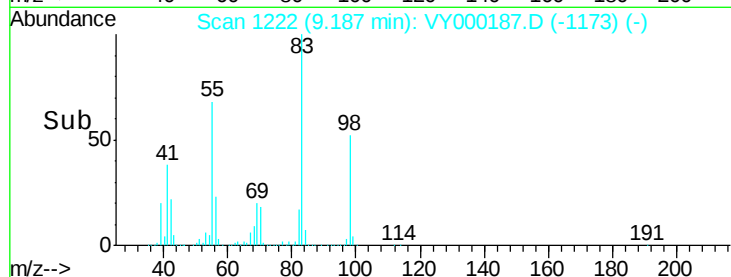
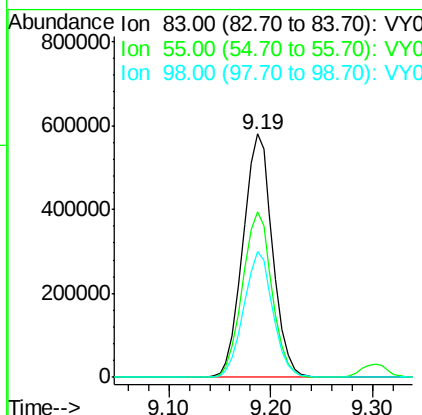
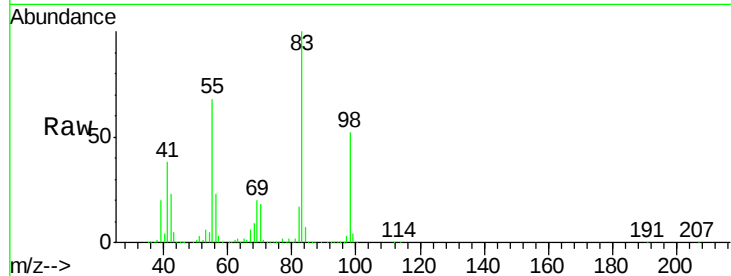
#39
Methvlcvclohexane
Concen: 228.539 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1166382
Ion Ratio Lower Upper
83 100
55 67.9 52.4 78.6
98 51.5 41.7 62.5

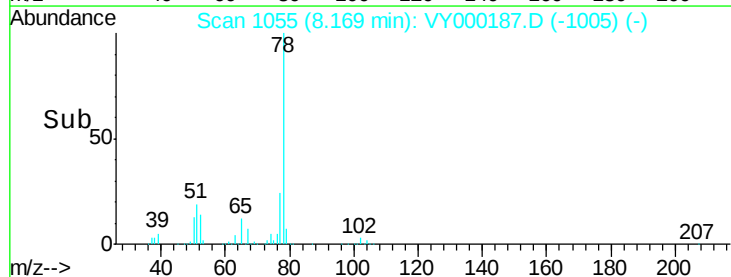
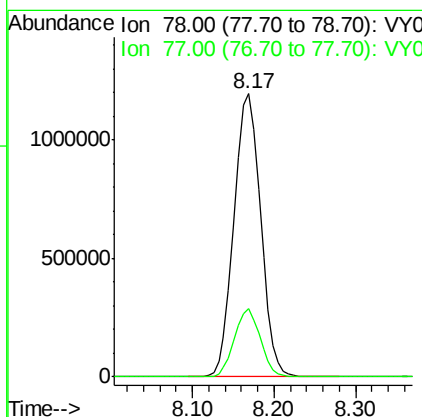
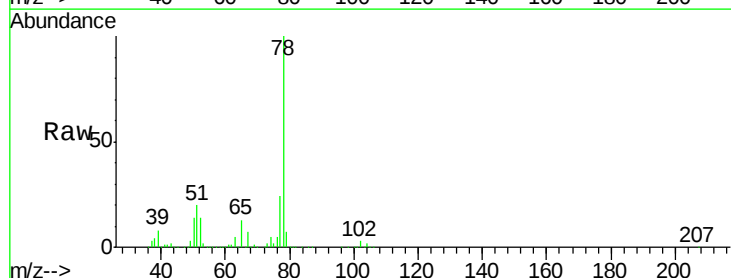
Manual Integrations
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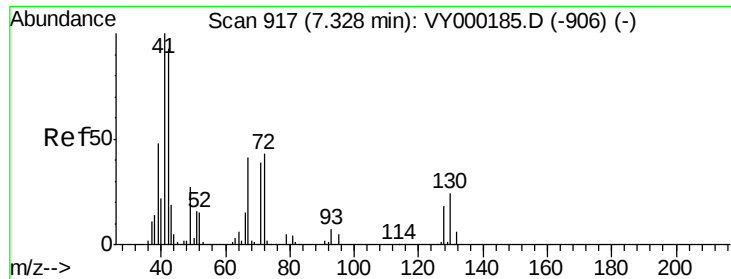
MMDadoda
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#40
Benzene
Concen: 188.151 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 78 Resp: 2698372
Ion Ratio Lower Upper
78 100
77 24.2 17.5 26.3





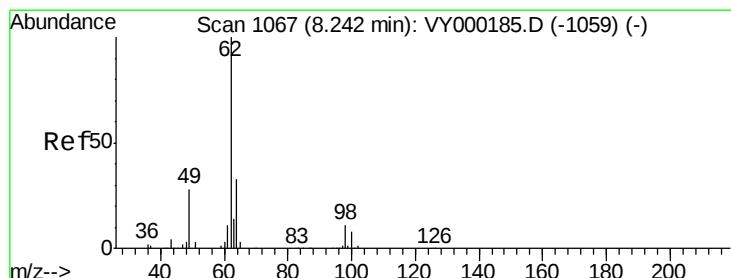
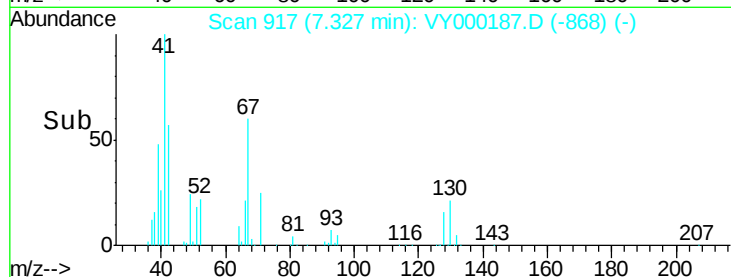
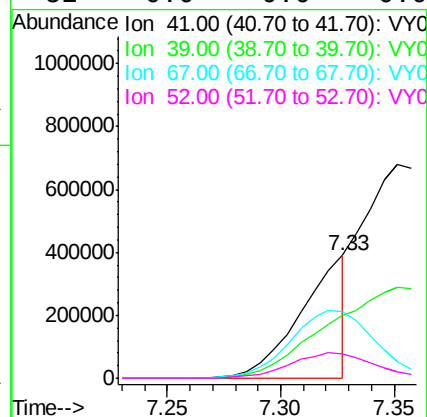
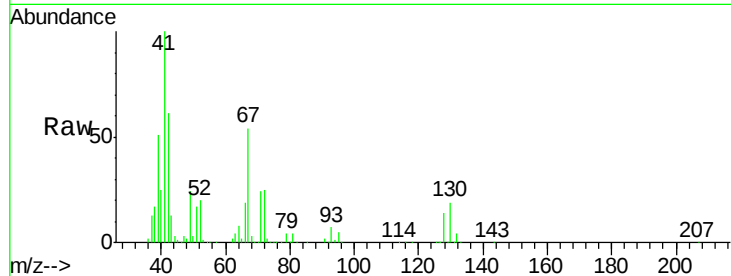
#41
Methacrylonitrile
Concen: 146.438 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	191.6	125.4	188.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

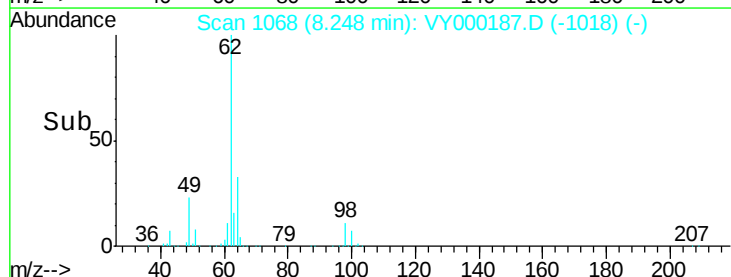
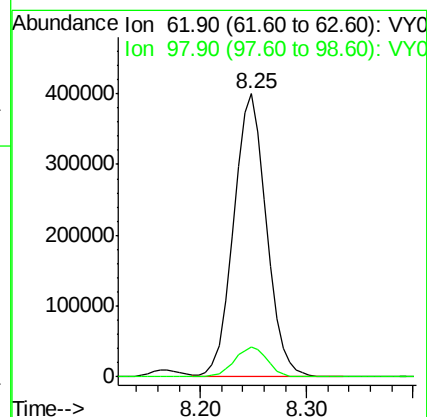
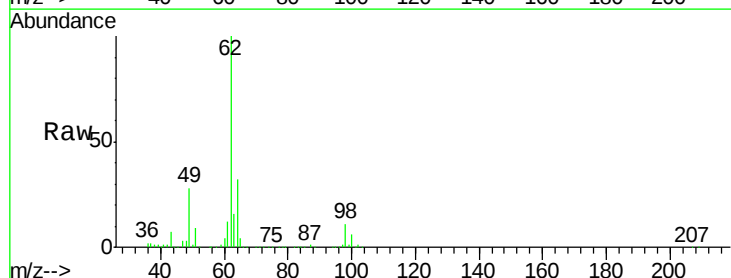
Manual Integrations
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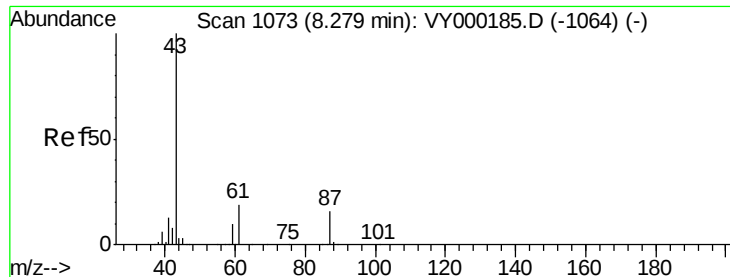
MMDadoda
10/7/2019 12:51:08 PM



#42
1,2-Dichloroethane
Concen: 172.968 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.8





#43

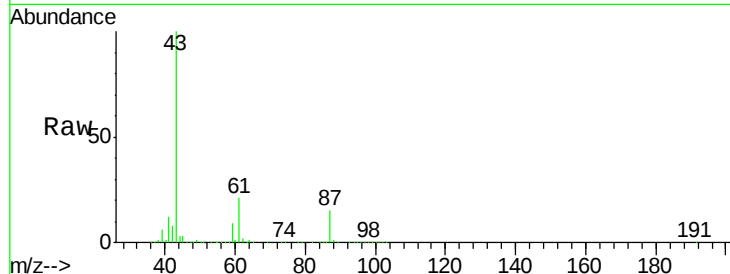
Isopropyl Acetate
 Concen: 170.291 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

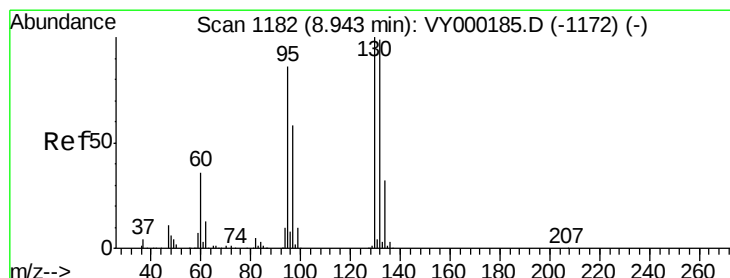
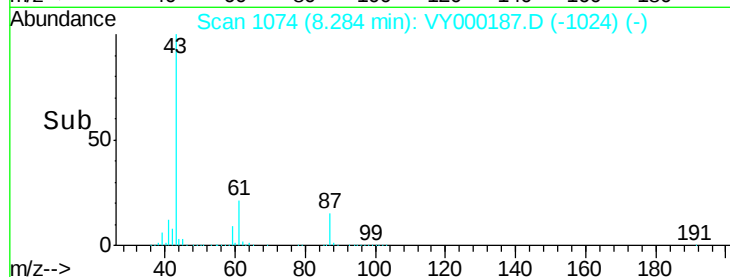
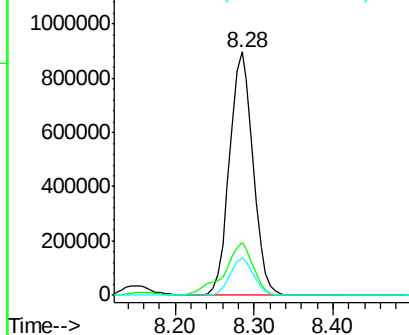
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2
87	15.2	12.6	19.0

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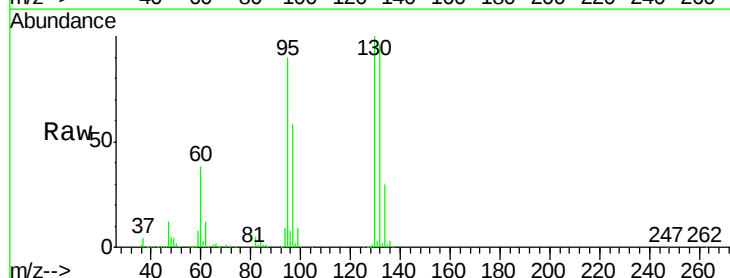
Abundance Ion 43.00 (42.70 to 43.70): VY000185.D (-1064) (-)
 Ion 61.00 (60.70 to 61.70): VY000185.D (-1064) (-)
 Ion 87.00 (86.70 to 87.70): VY000185.D (-1064) (-)



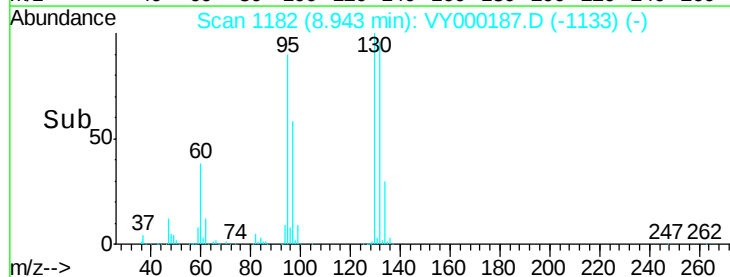
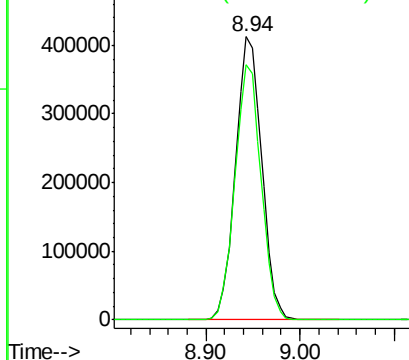
#44

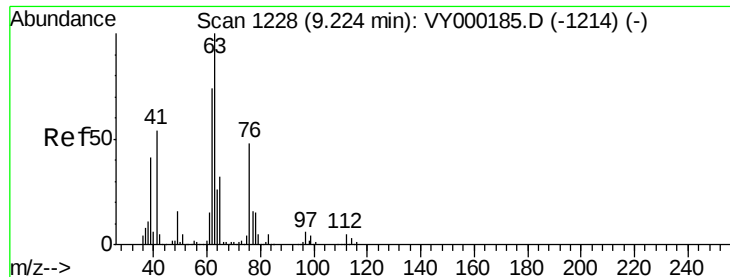
Trichloroethene
 Concen: 178.646 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	171.6



Abundance Ion 129.80 (129.50 to 130.50): VY000185.D (-1172) (-)
 Ion 94.90 (94.60 to 95.60): VY000185.D (-1172) (-)





#45

1,2-Dichloropropane

Concen: 175.886 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 646942

Ion Ratio Lower Upper

63 100

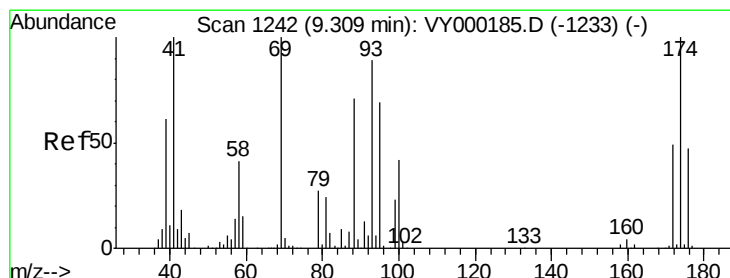
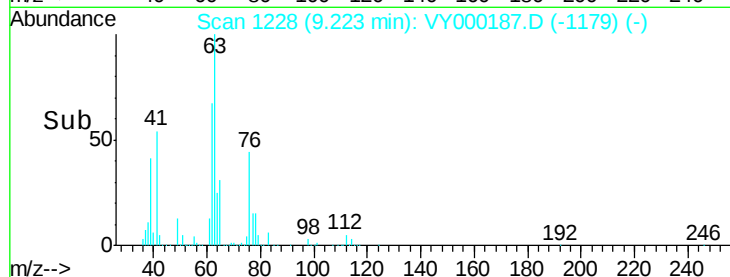
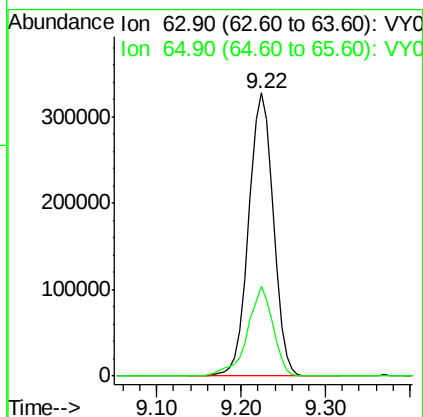
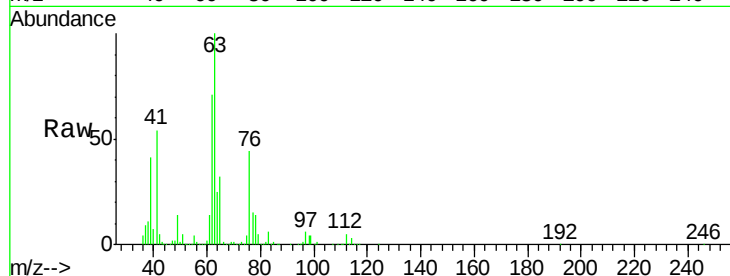
65 31.9 25.7 38.5

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#46

Dibromomethane

Concen: 173.237 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

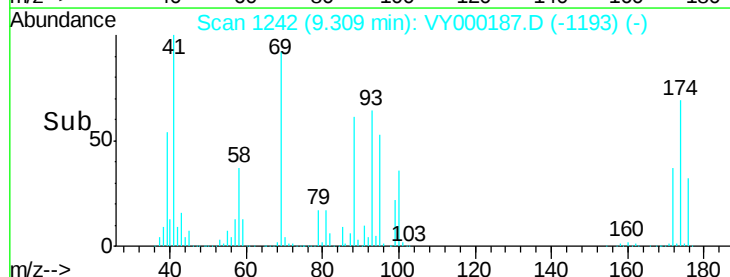
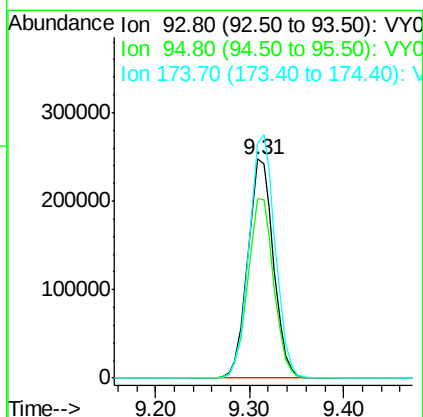
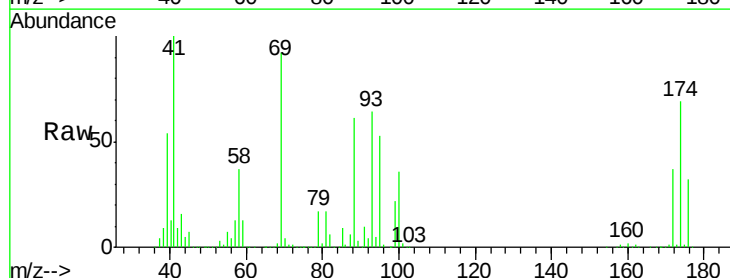
Tgt Ion: 93 Resp: 474266

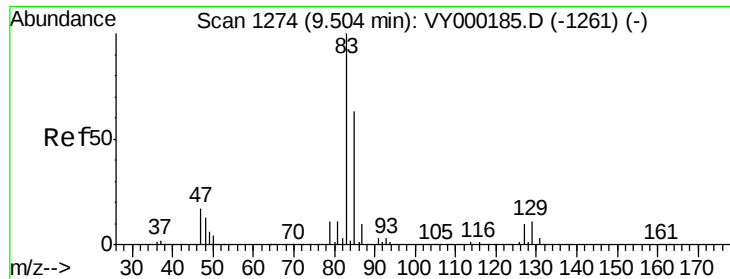
Ion Ratio Lower Upper

93 100

95 82.6 64.4 96.6

174 112.9 95.1 142.7





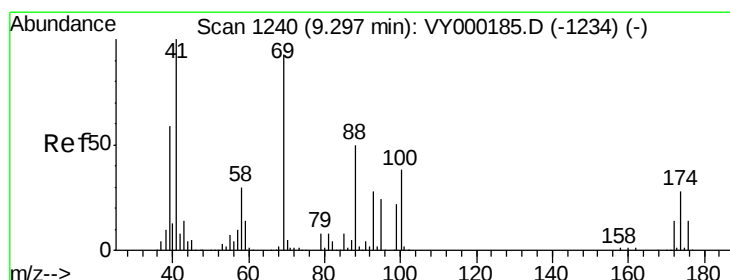
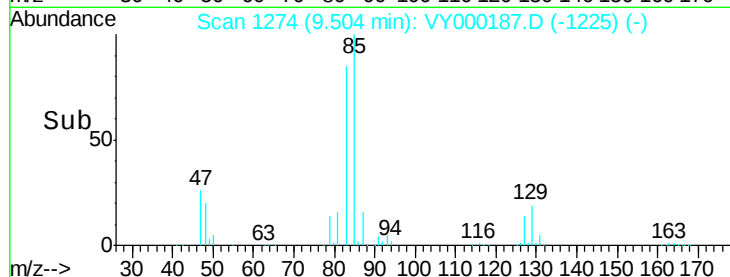
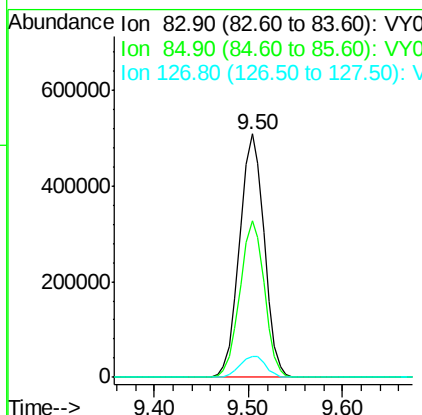
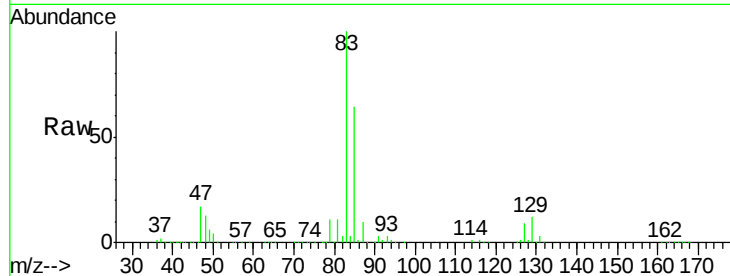
#47
Bromodichloromethane
Concen: 166.005 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	928418
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	8.7	7.7	11.5

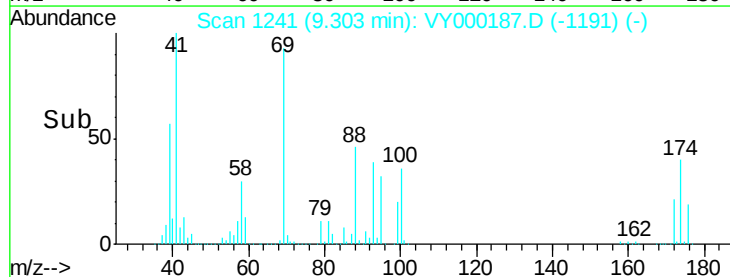
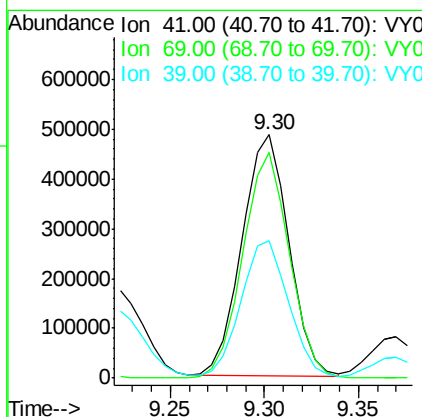
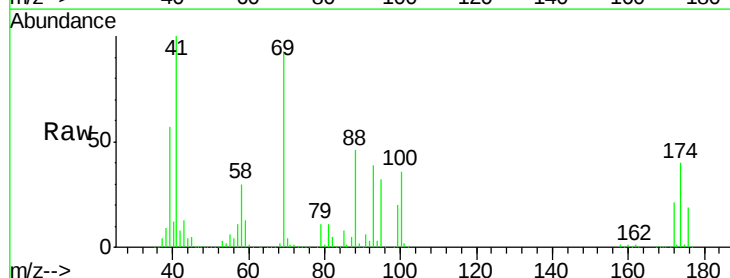
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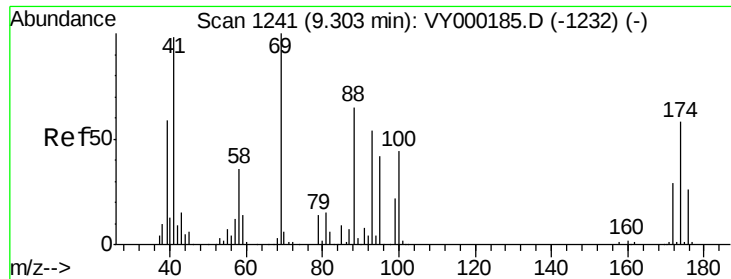
MMDadoda
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#48
Methyl methacrylate
Concen: 171.973 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion	41	Resp	835246
Ion Ratio	100	Lower	Upper
41	100		
69	93.1	76.5	114.7
39	58.3	49.2	73.8





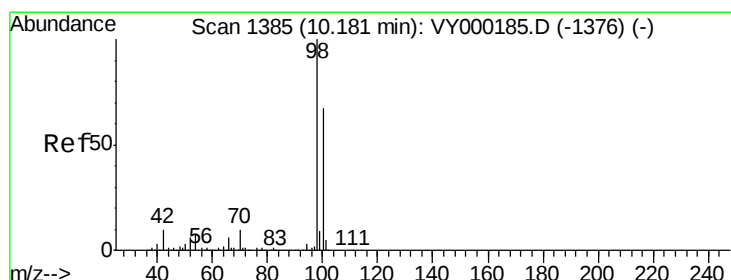
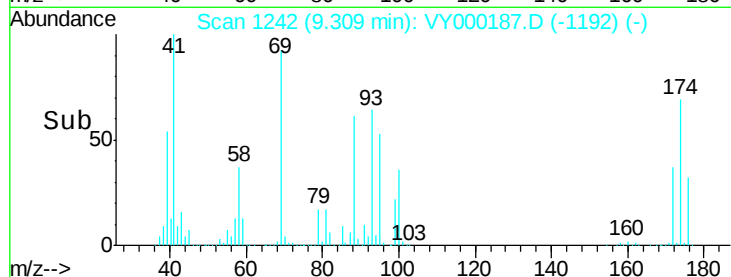
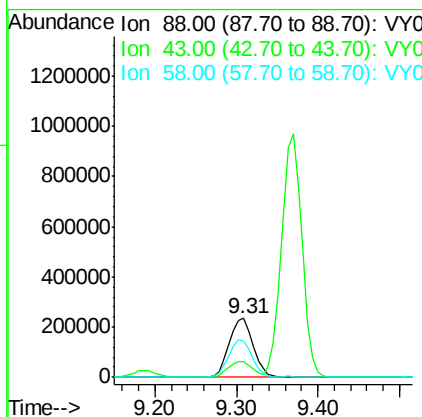
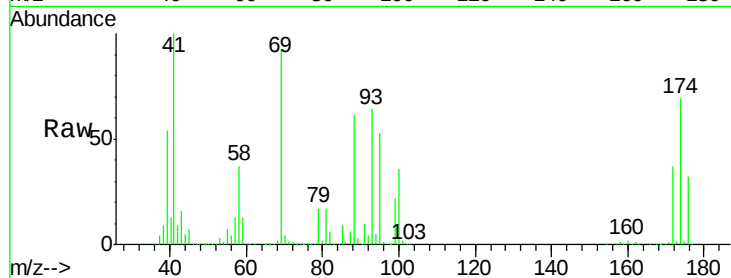
#49
1,4-Dioxane
Concen: 3125.714 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	473264
Ion	Ratio	Lower	Upper
88	100		
43	27.5	20.4	30.6
58	62.3	49.0	73.4

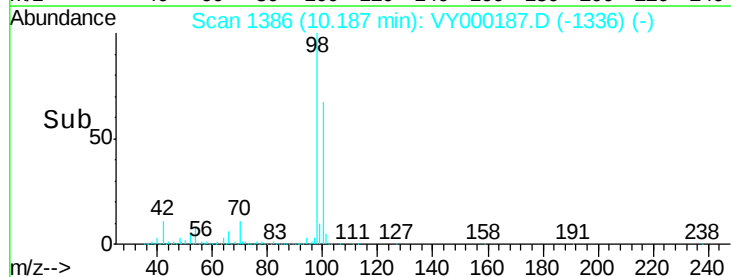
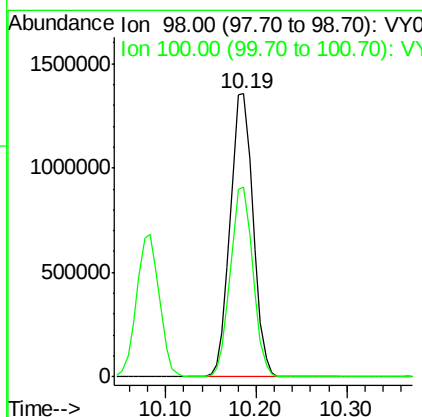
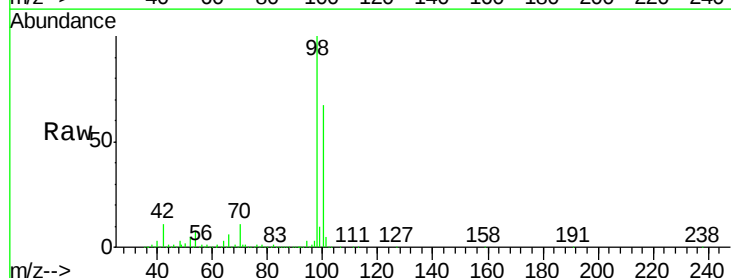
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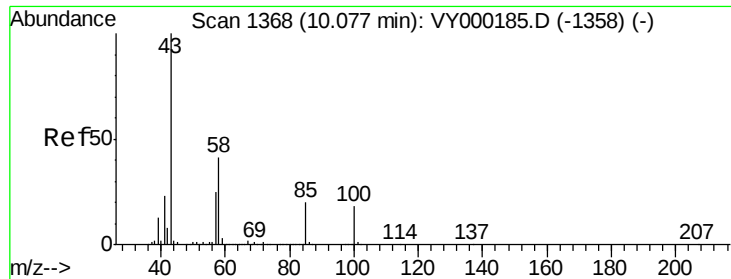
MMDadoda
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#50
Toluene-d8
Concen: 152.679 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion	98	Resp	2384019
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9





#51

4-Methyl-2-Pentanone

Concen: 795.981 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6841399

Ion Ratio Lower Upper

43 100

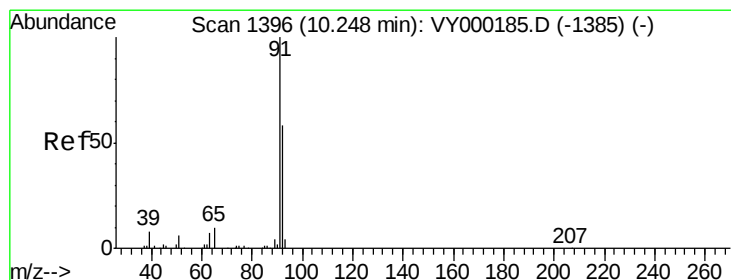
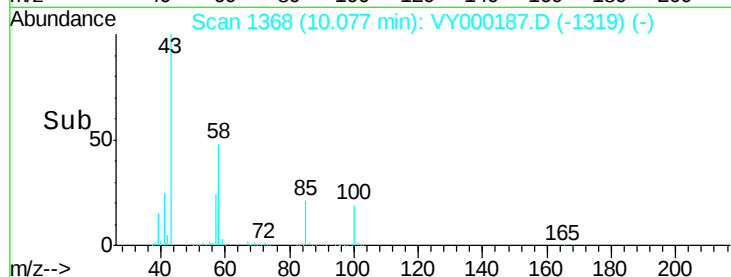
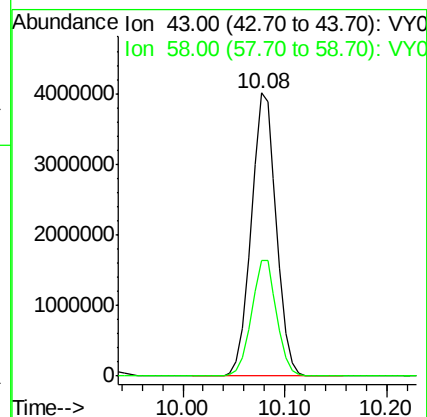
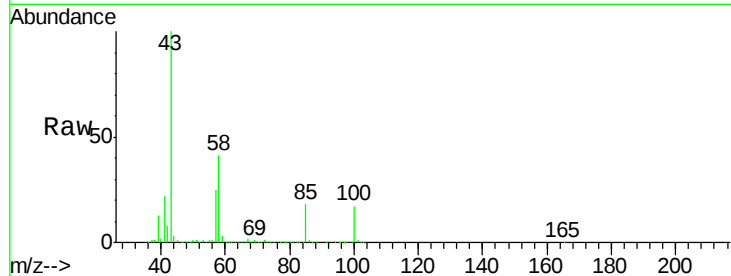
58 41.2 32.6 49.0

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#52

Toluene

Concen: 188.870 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000187.D

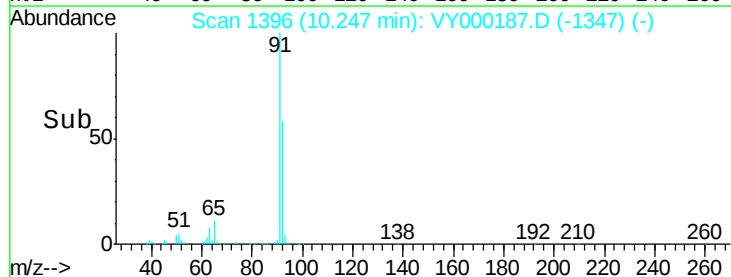
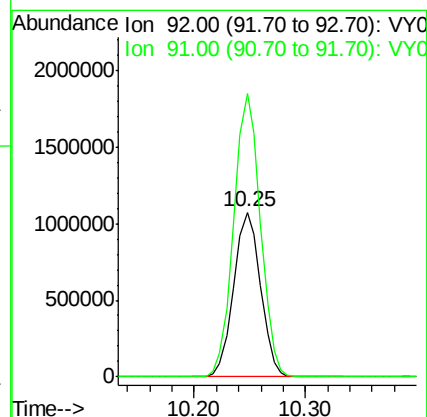
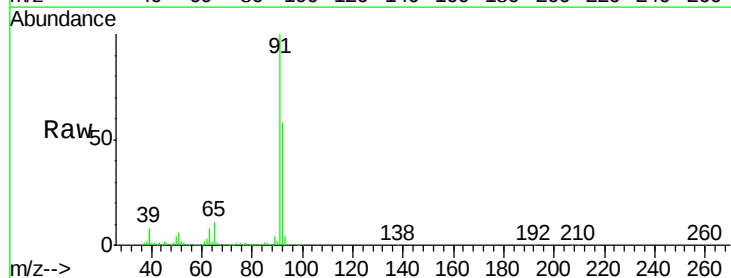
Acq: 03 Oct 2019 16:46

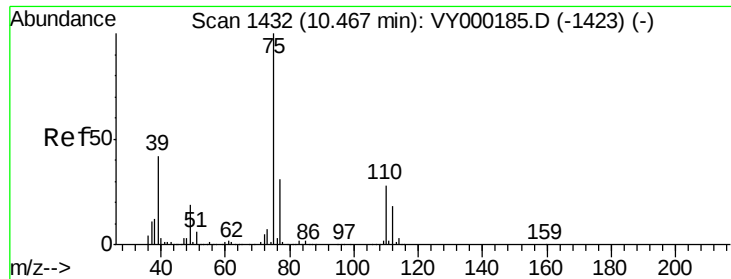
Tgt Ion: 92 Resp: 1791507

Ion Ratio Lower Upper

92 100

91 170.8 136.9 205.3





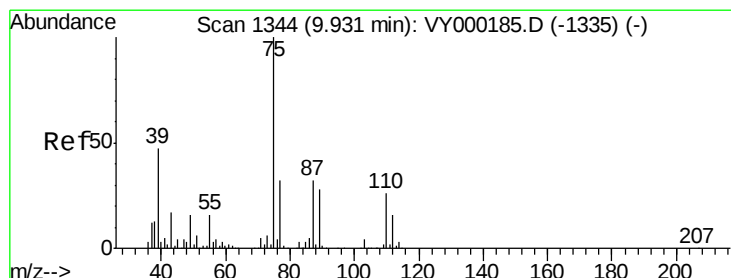
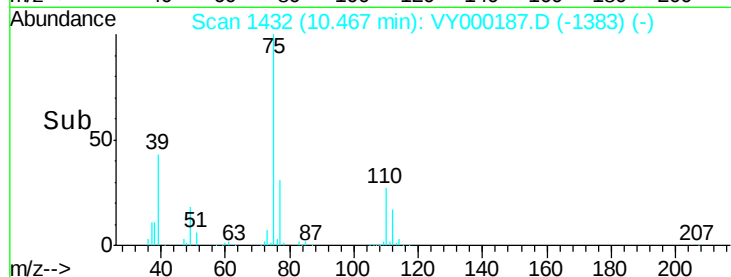
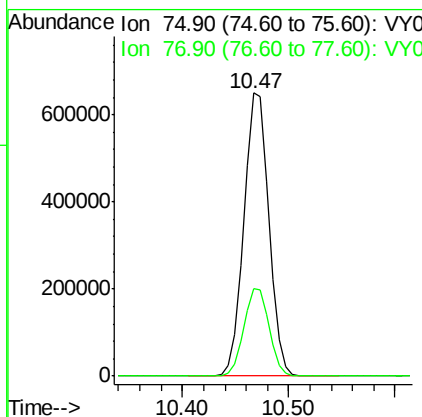
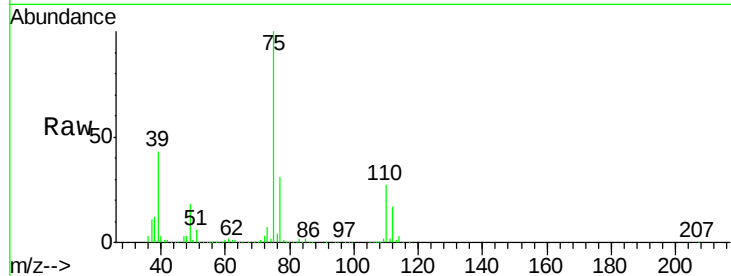
#53
t-1,3-Dichloropropene
Concen: 175.241 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1076177
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

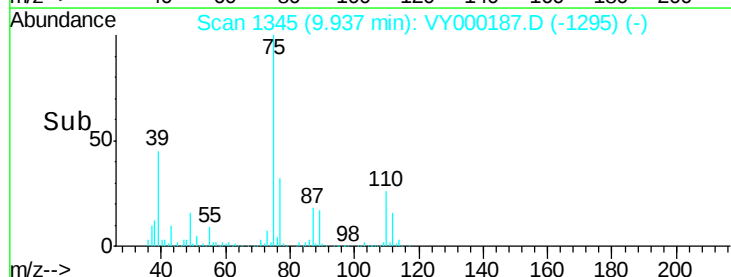
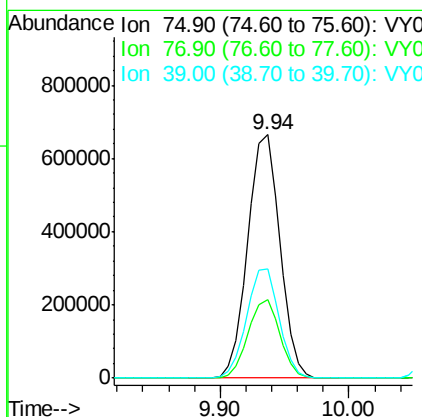
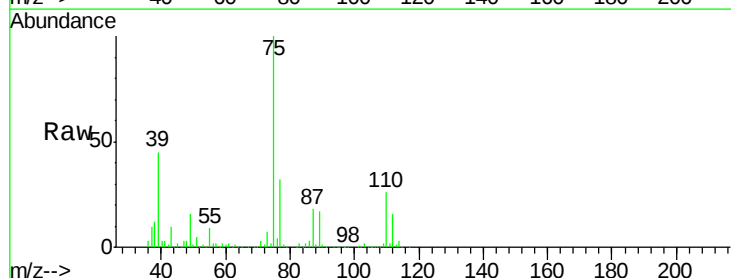
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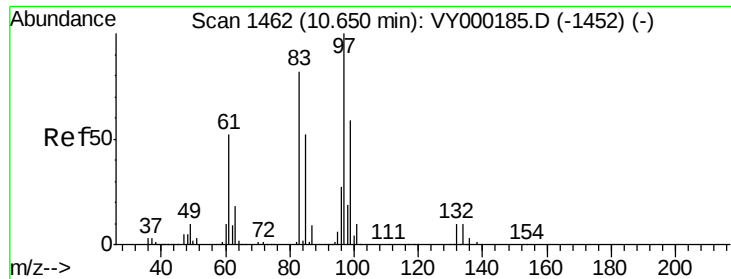
MMDadoda
10/7/2019 12:51:08 PM



#54
cis-1,3-Dichloropropene
Concen: 178.917 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 75 Resp: 1145765
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
39 44.7 37.2 55.8





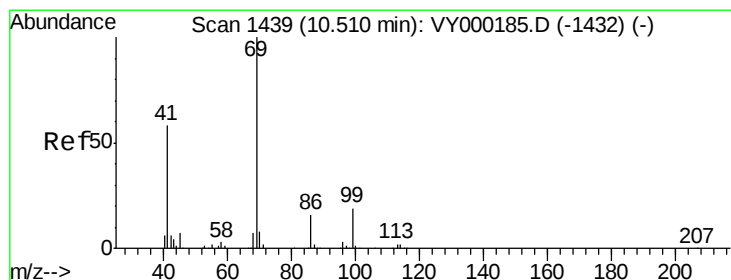
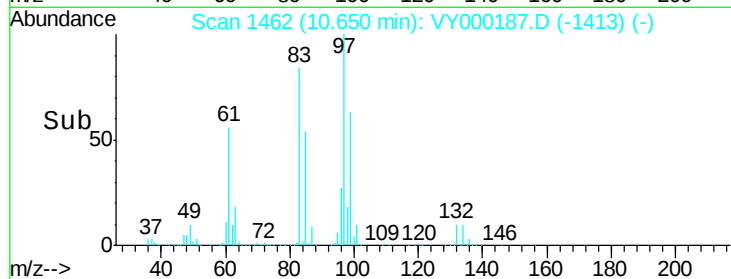
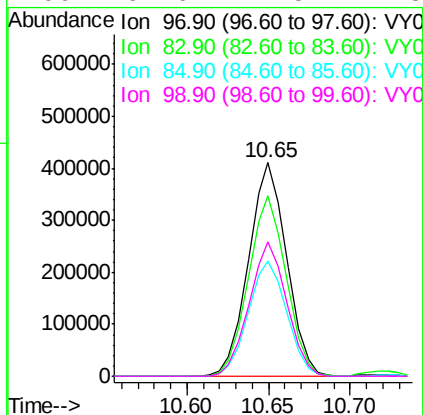
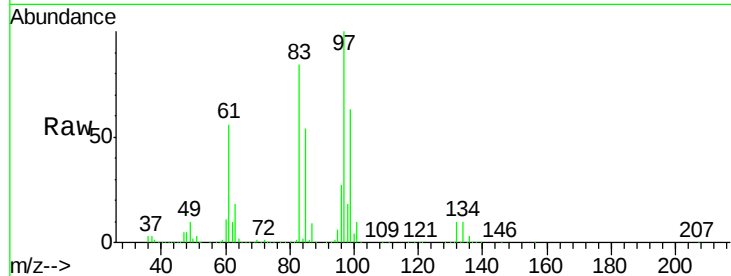
#55
 1,1,2-Trichloroethane
 Concen: 152.836 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	666617
Ion Ratio	Lower	Upper	
97	100		
83	84.3	65.4	98.2
85	54.1	41.4	62.0
99	62.6	47.5	71.3

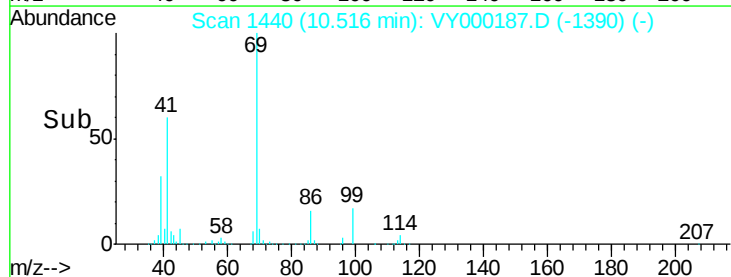
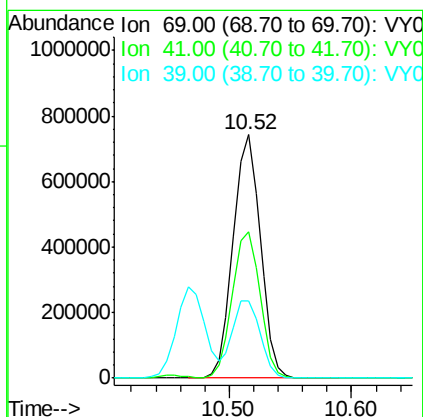
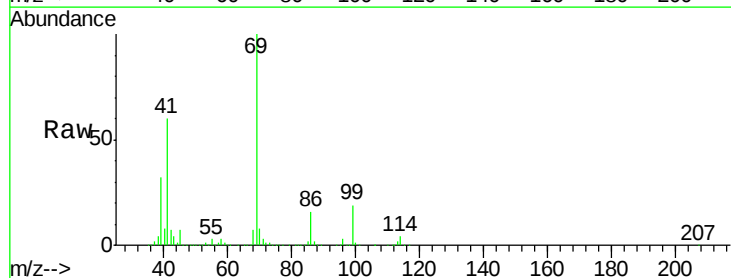
Manual Integrations
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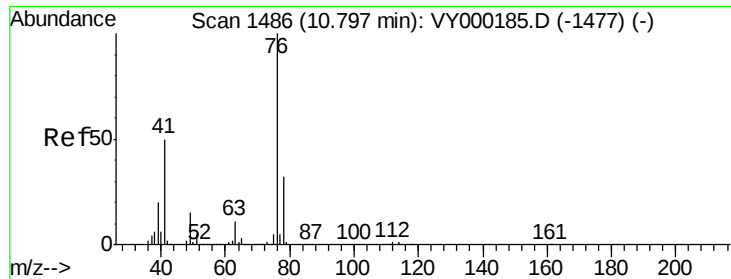
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 10/7/2019 12:51:08 PM



#56
 Ethyl methacrylate
 Concen: 168.804 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion:	69	Resp:	1142688
Ion Ratio	Lower	Upper	
69	100		
41	61.4	48.1	72.1
39	32.7	27.2	40.8





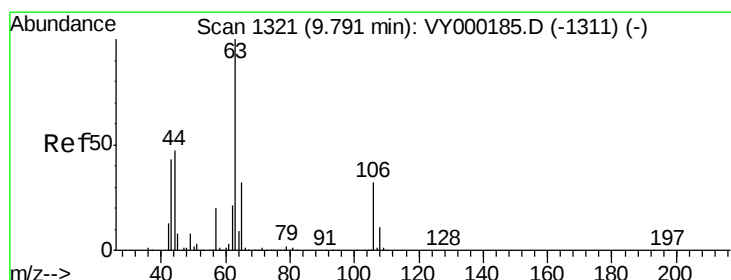
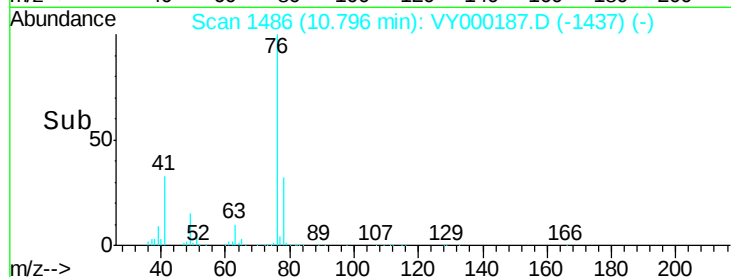
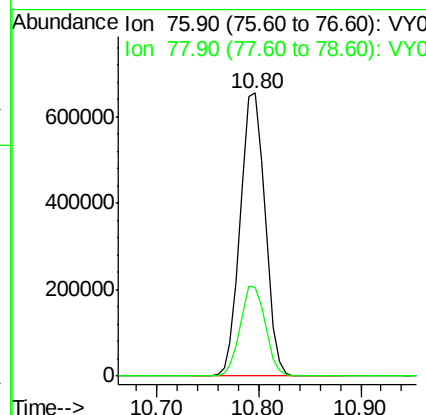
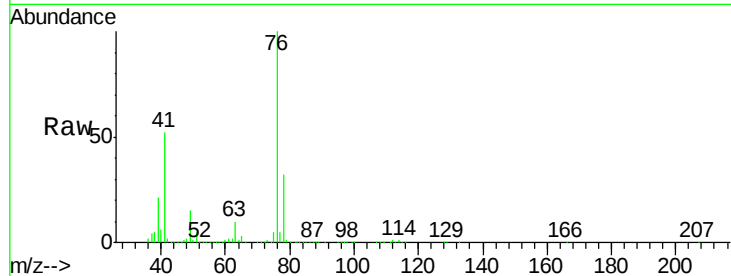
#57
 1,3-Dichloropropane
 Concen: 161.872 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1098946
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.4 39.6

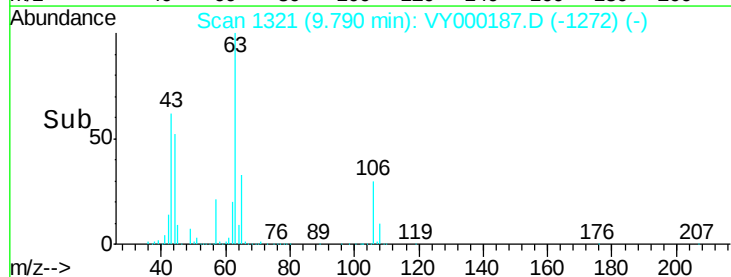
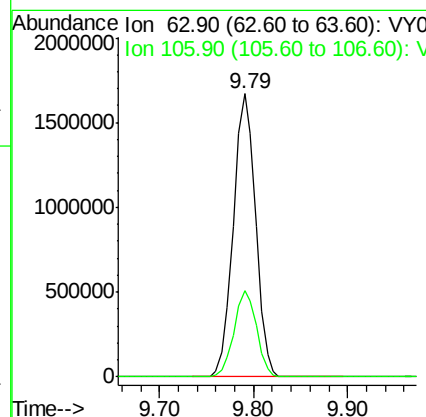
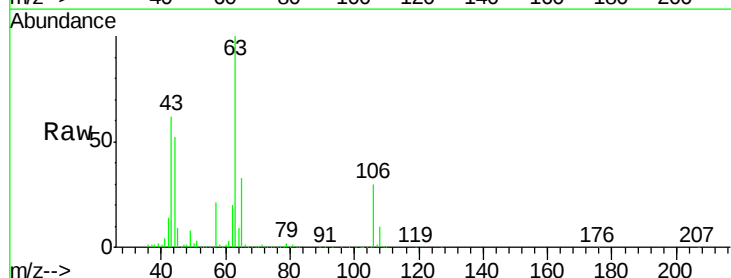
Manual Integrations
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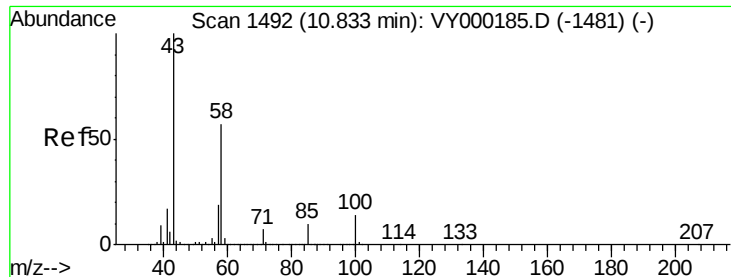
MMDadoda
 10/7/2019 12:51:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 793.174 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion: 63 Resp: 2739737
 Ion Ratio Lower Upper
 63 100
 106 30.7 25.8 38.6





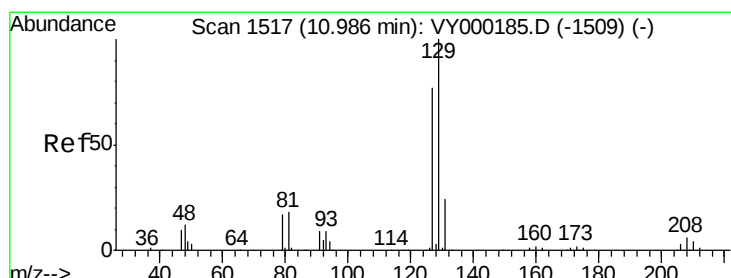
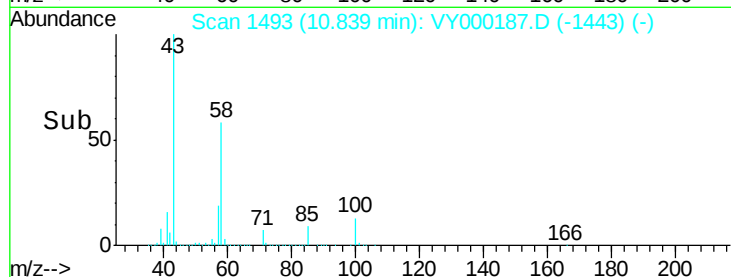
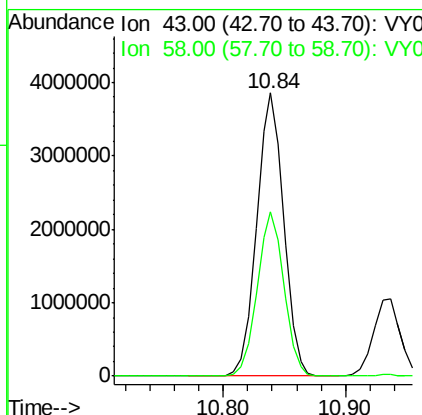
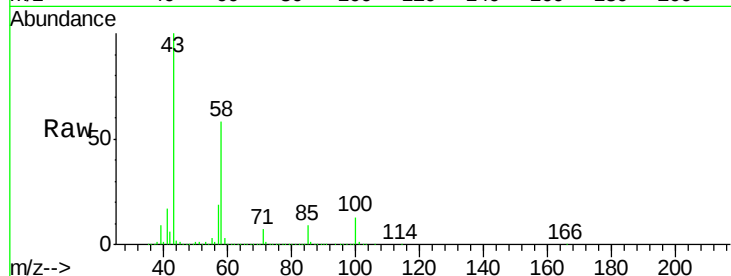
#59
2-Hexanone
Concen: 818.392 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5925649
Ion Ratio Lower Upper
43 100
58 57.5 28.6 85.8

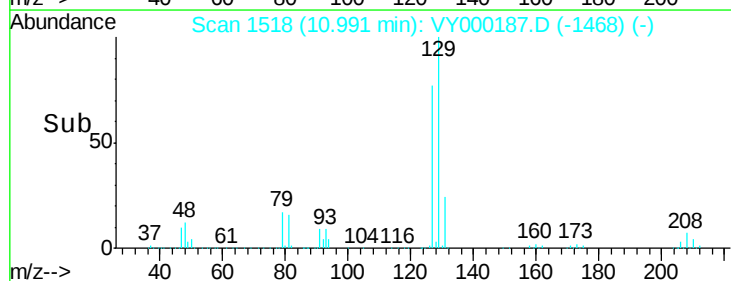
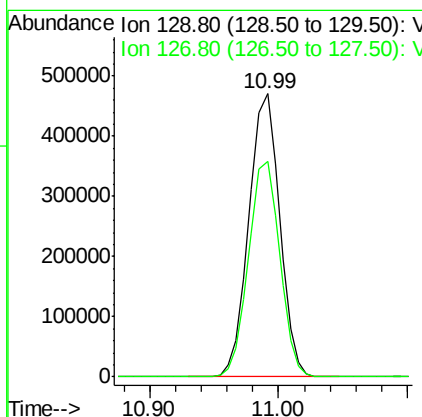
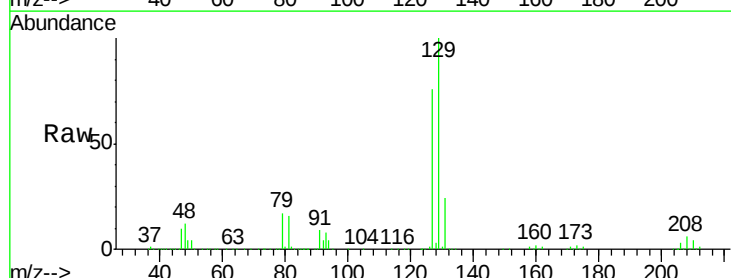
Manual Integrations
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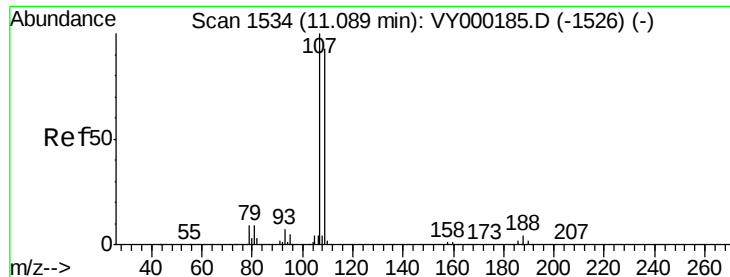
MMDadoda
10/7/2019 12:51:08 PM



#60
Dibromochloromethane
Concen: 155.345 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 129 Resp: 779425
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





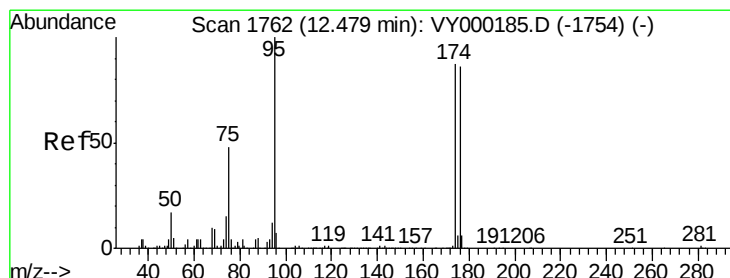
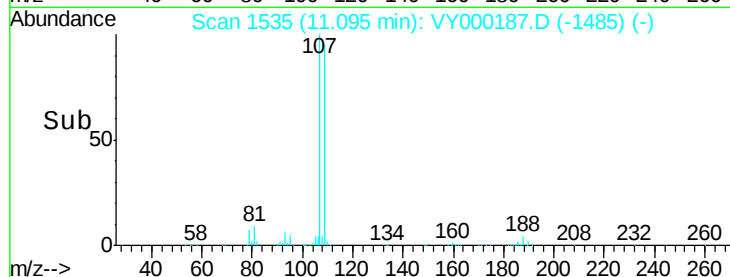
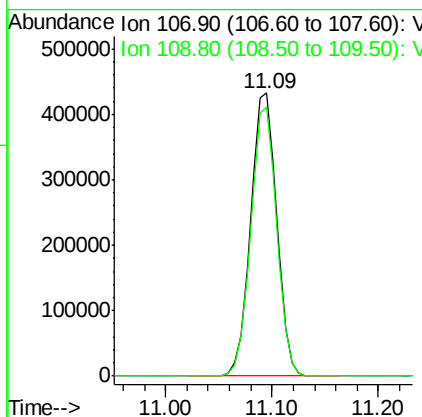
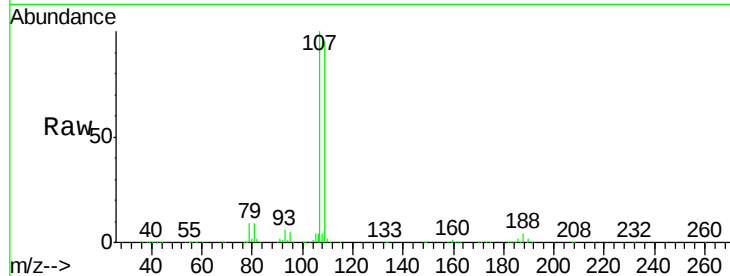
#61
 1,2-Dibromoethane
 Concen: 167.832 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9

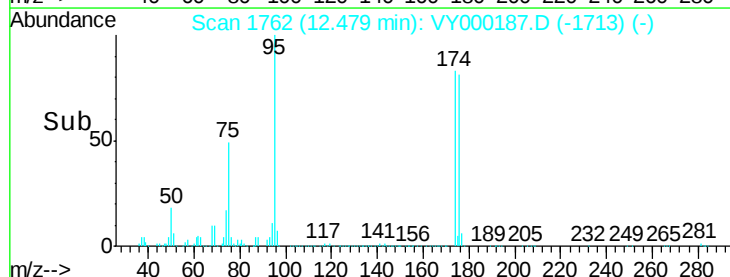
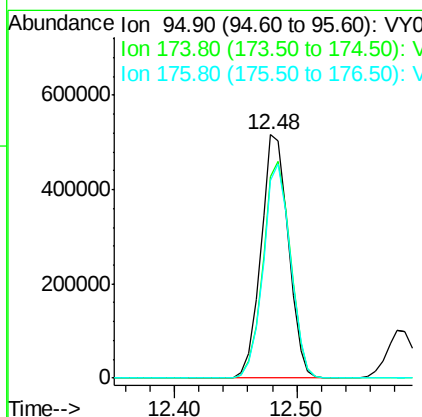
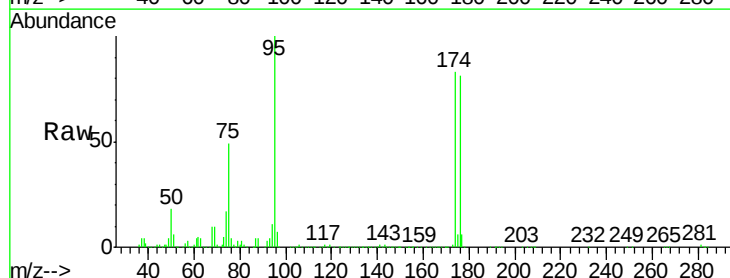
Manual Integrations
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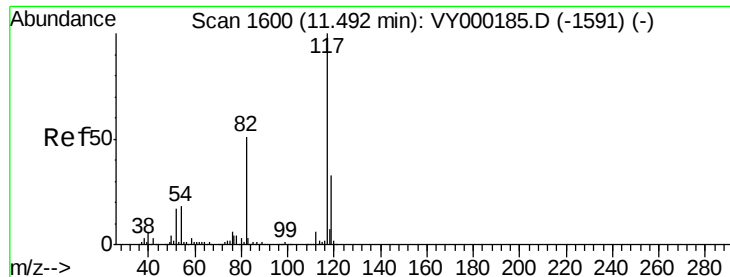
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 147.674 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	188.6
176	87.4	0.0	183.6





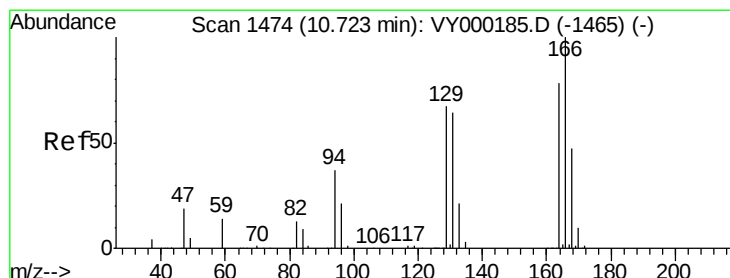
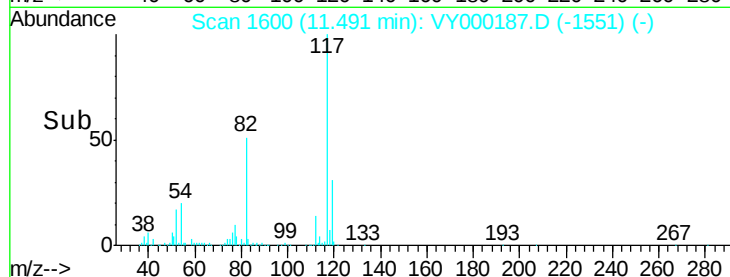
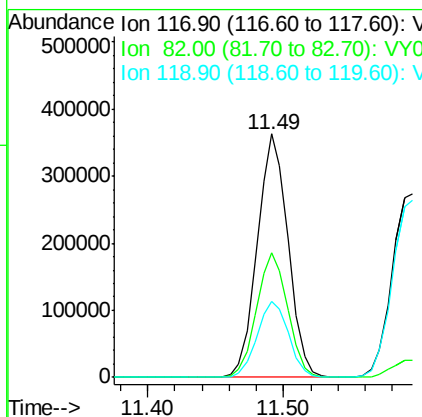
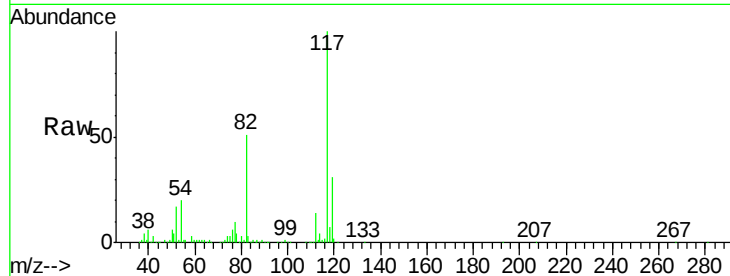
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.4
119	31.1	26.2	39.2

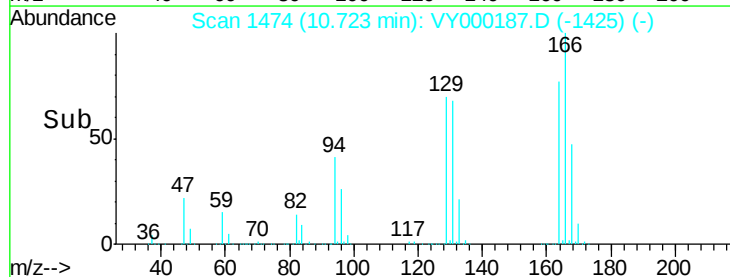
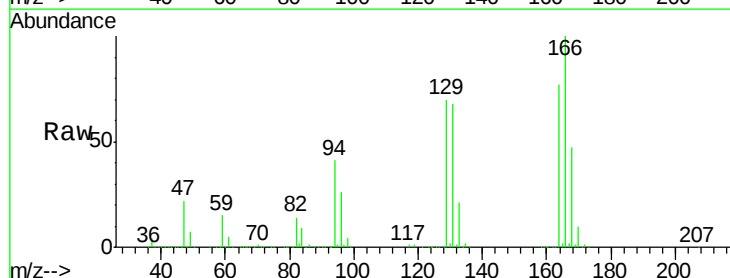
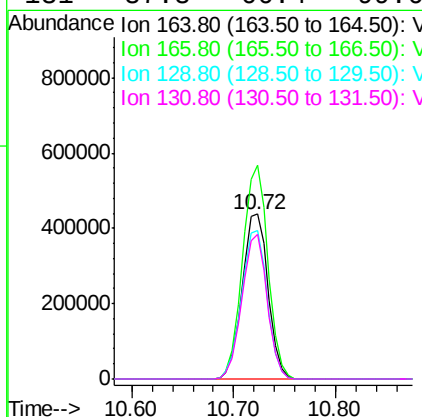
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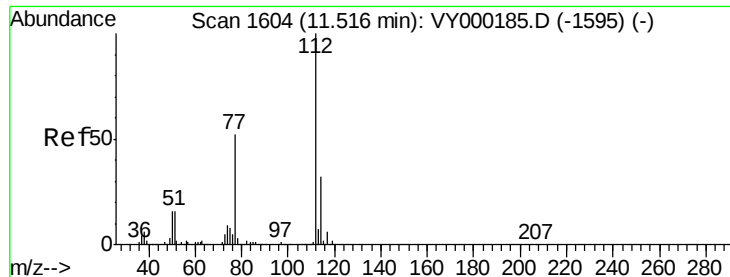
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#64
Tetrachloroethene
Concen: 171.788 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.2	154.8
129	90.1	69.0	103.4
131	87.8	66.4	99.6





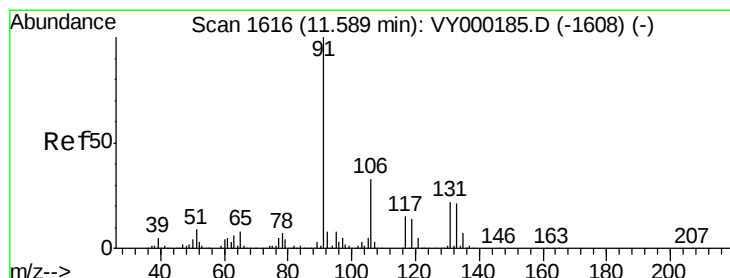
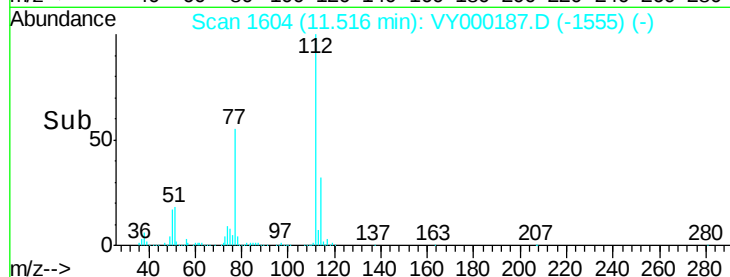
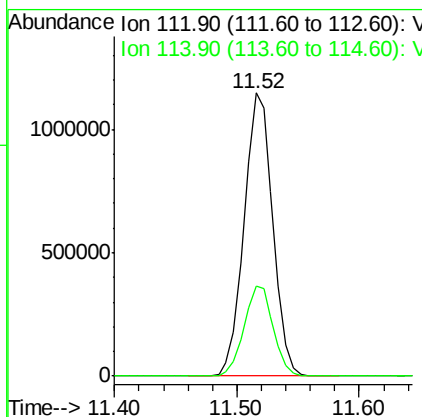
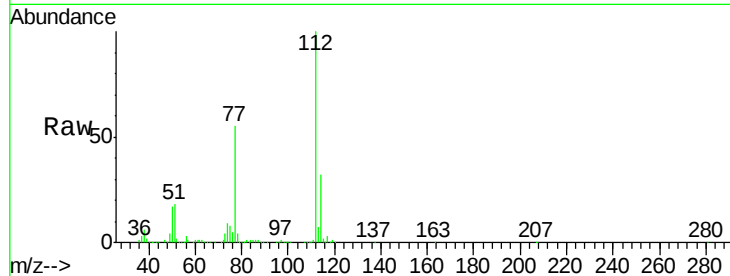
#65
Chlorobenzene
Concen: 170.384 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1860514
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

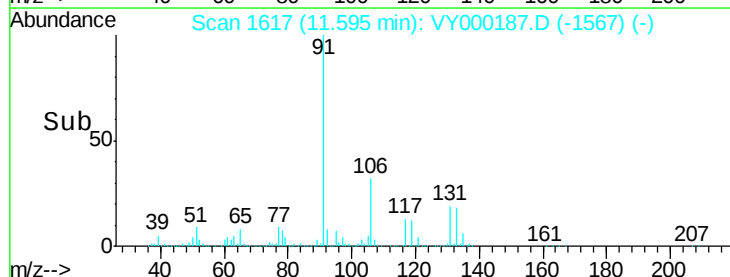
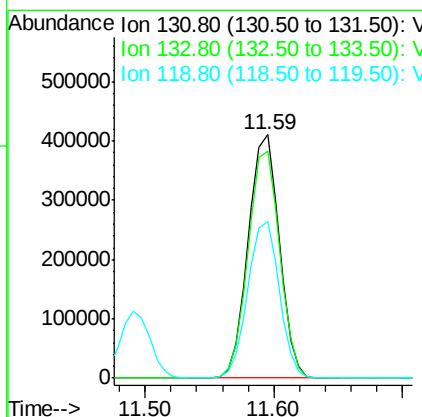
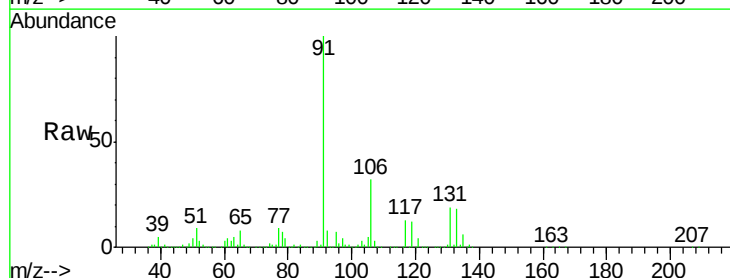
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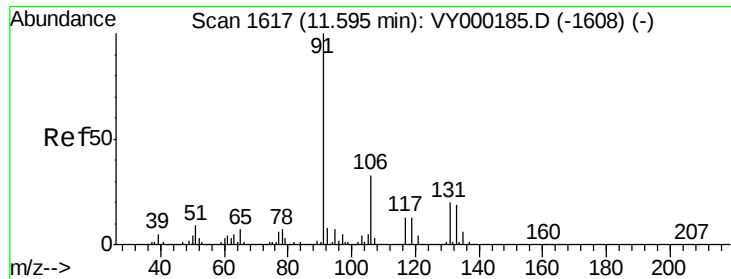
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#66
1,1,1,2-Tetrachloroethane
Concen: 151.858 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion:131 Resp: 683801
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 65.1 32.6 98.0





#67

Ethyl Benzene

Concen: 183.025 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3334458

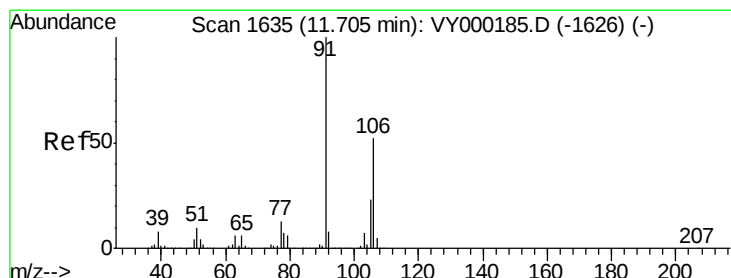
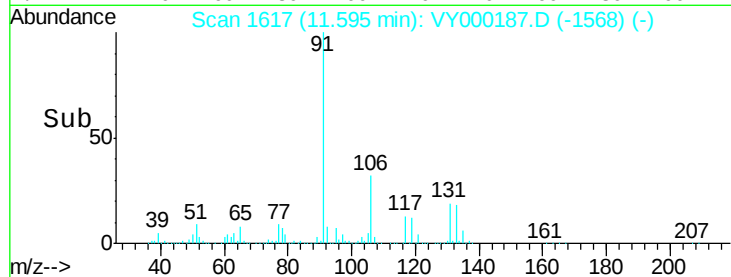
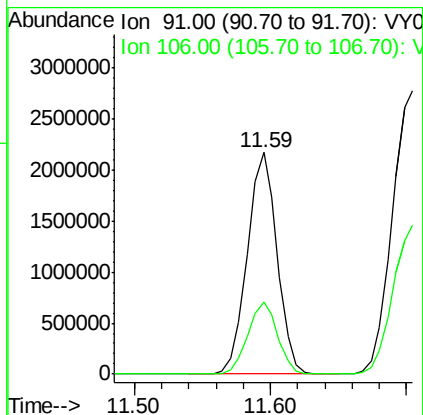
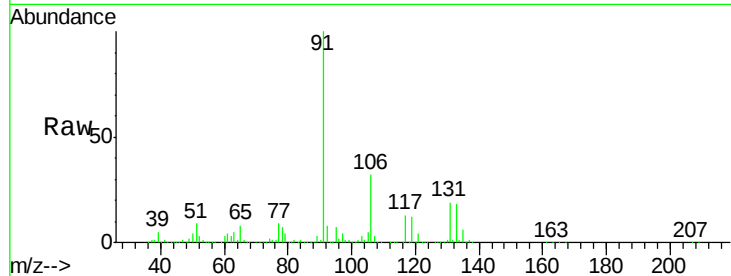
Ion Ratio Lower Upper

91 100

106 32.3 26.3 39.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 363.426 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000187.D

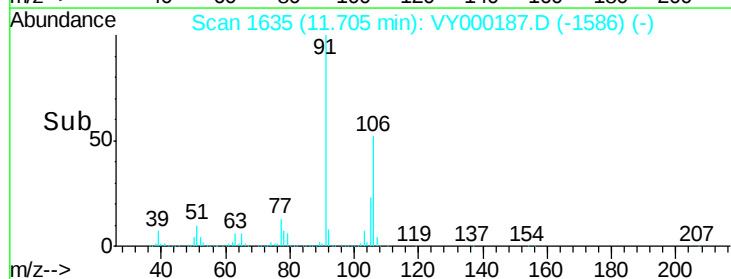
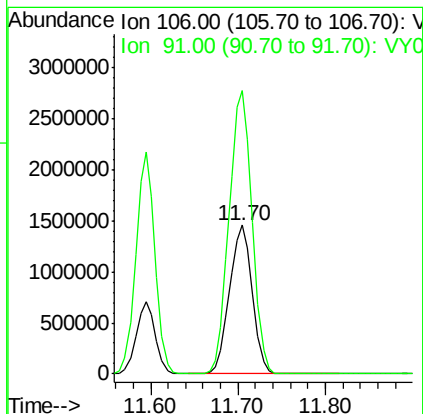
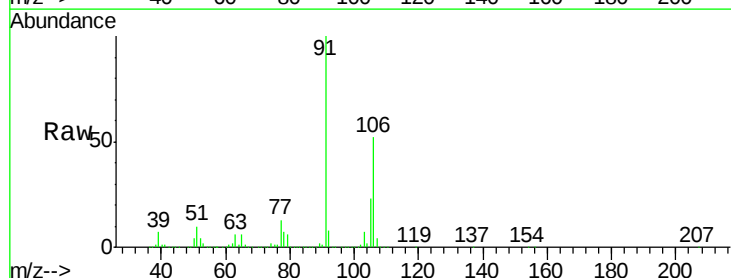
Acq: 03 Oct 2019 16:46

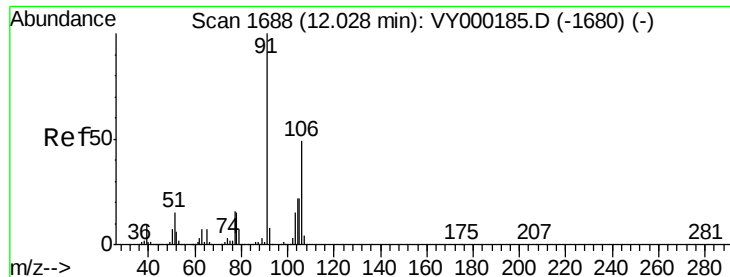
Tgt Ion: 106 Resp: 2627170

Ion Ratio Lower Upper

106 100

91 192.7 151.7 227.5





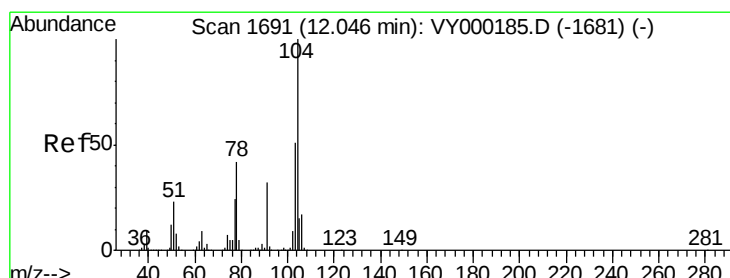
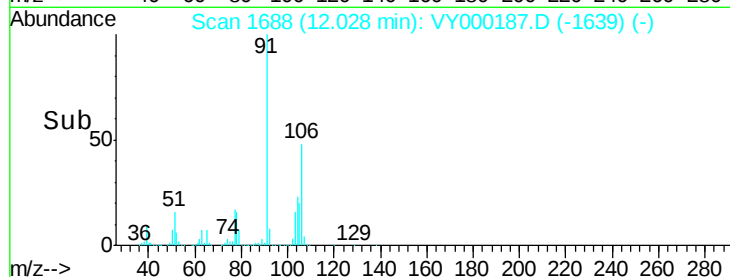
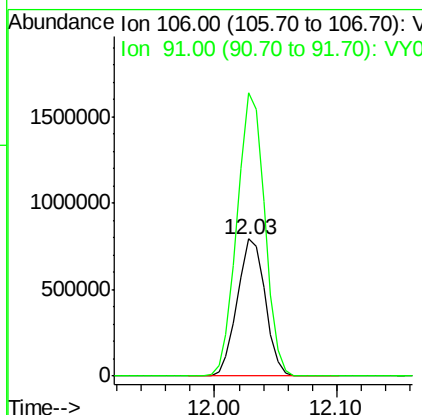
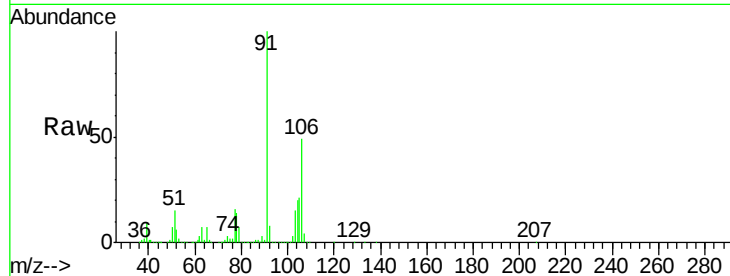
#69
o-Xylene
Concen: 172.625 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1250643
Ion Ratio Lower Upper
106 100
91 204.7 98.7 296.1

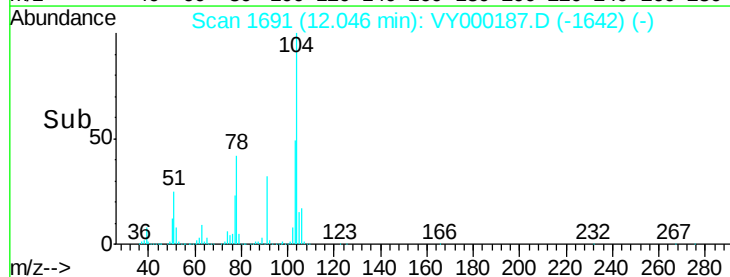
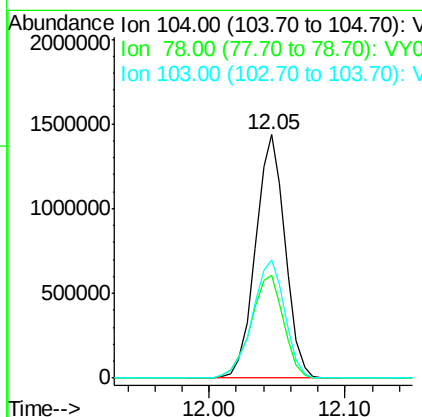
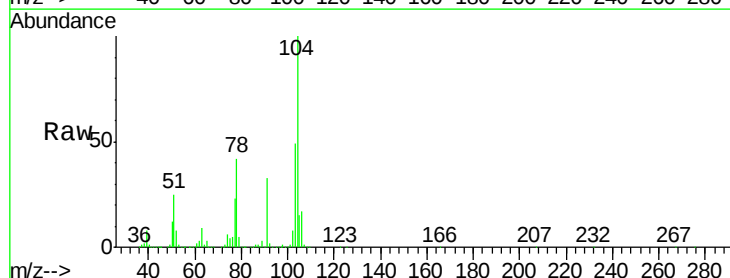
Manual Integrations
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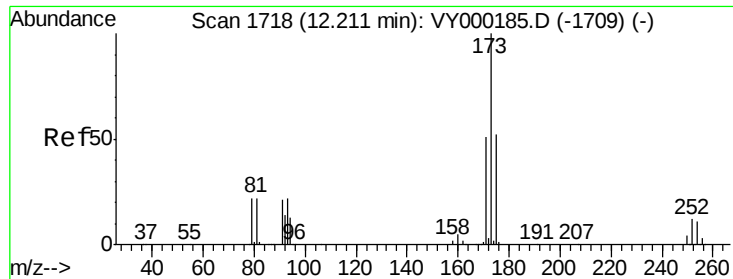
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#70
Styrene
Concen: 175.203 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion:104 Resp: 2185972
Ion Ratio Lower Upper
104 100
78 47.0 36.3 54.5
103 53.3 43.1 64.7





#71

Bromoform

Concen: 152.506 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

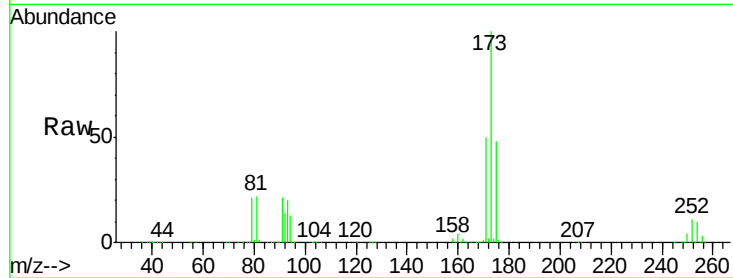
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
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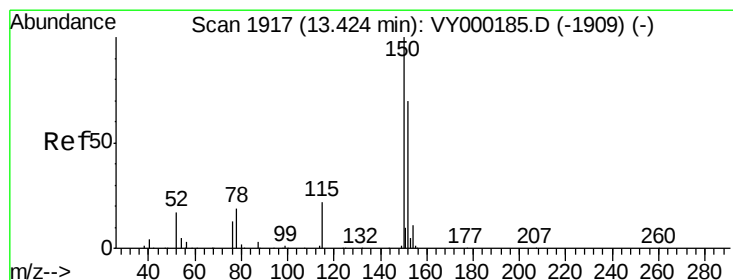
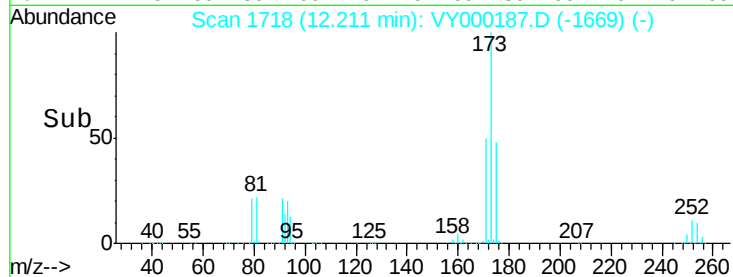
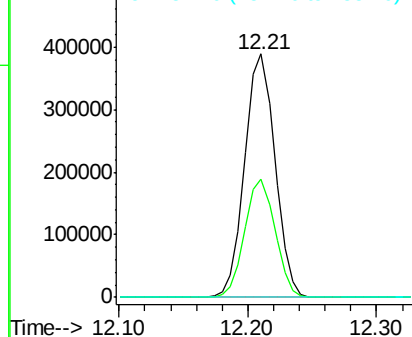


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

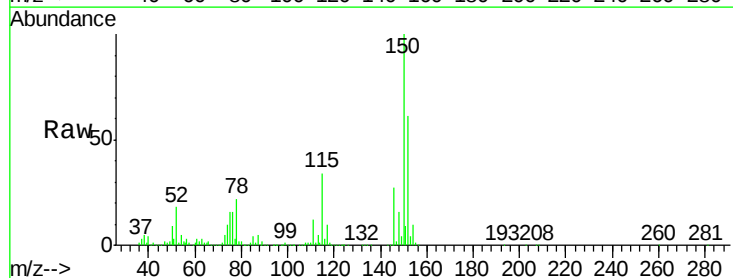
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.2	81.6
150	207.6	0.0	351.2

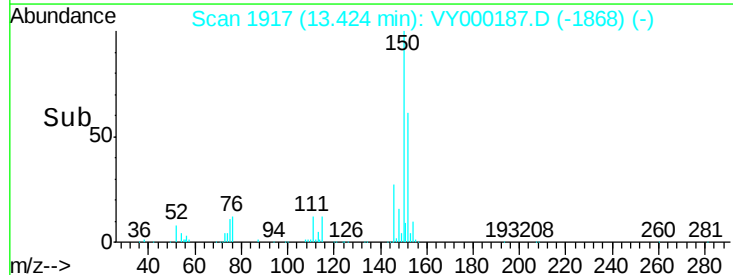
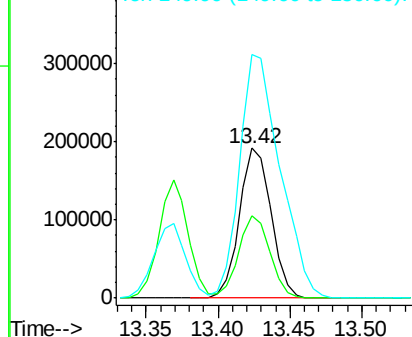


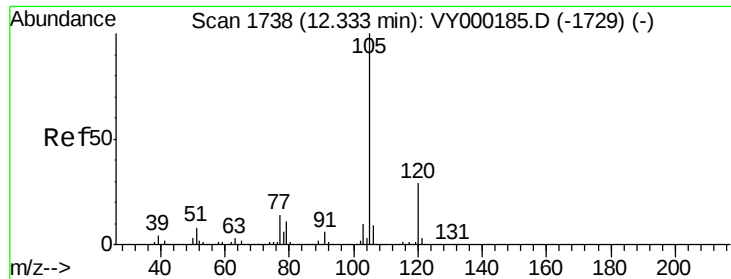
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





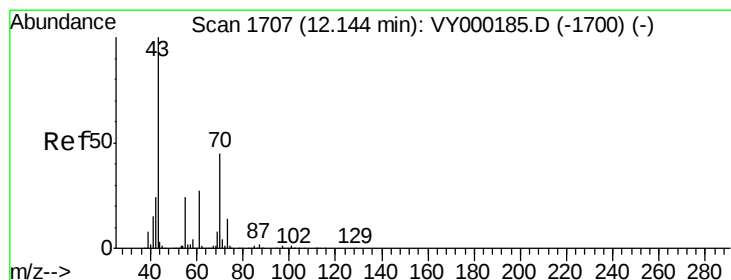
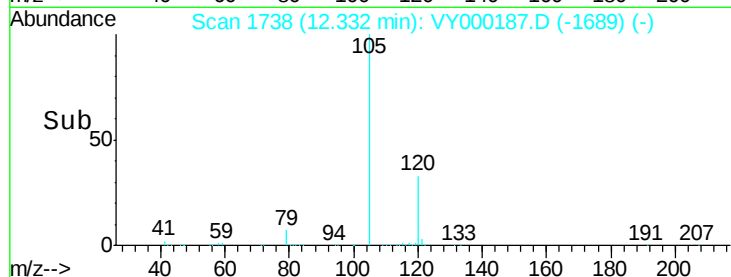
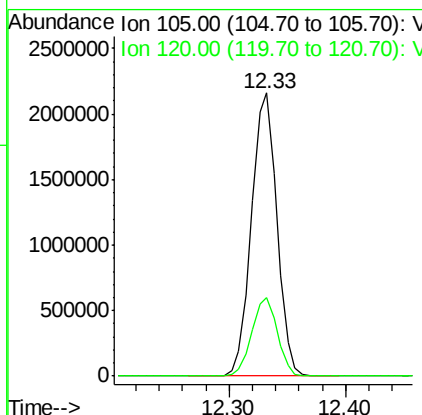
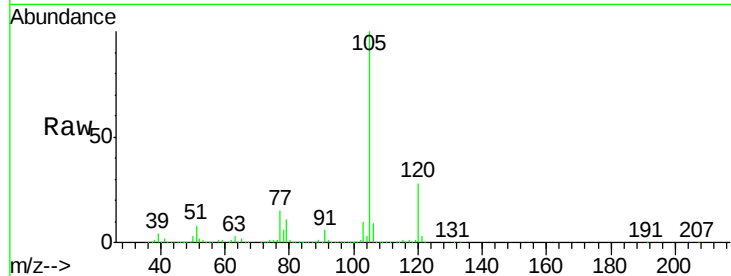
#73
Isopropylbenzene
Concen: 170.563 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tot Ion:105 Resp: 3297252
Ion Ratio Lower Upper
105 100
120 27.8 14.1 42.3

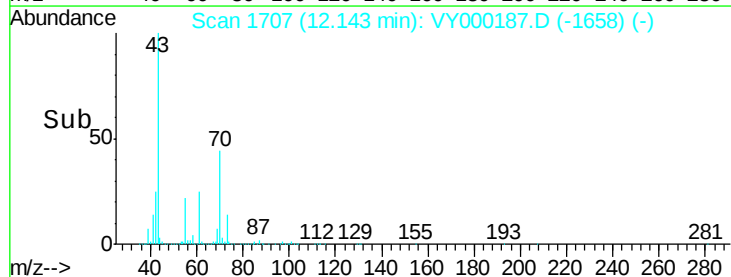
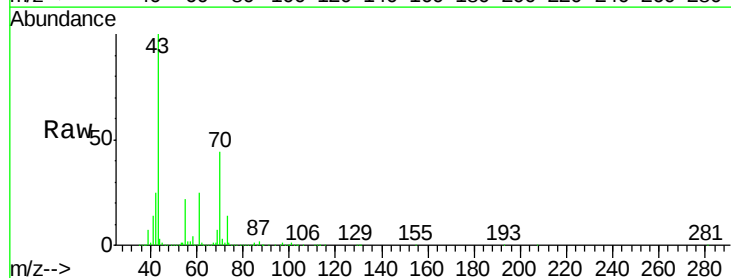
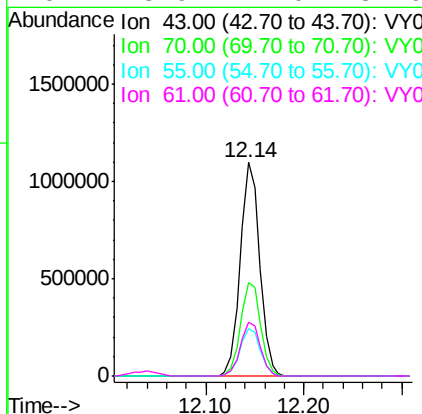
Manual Integrations
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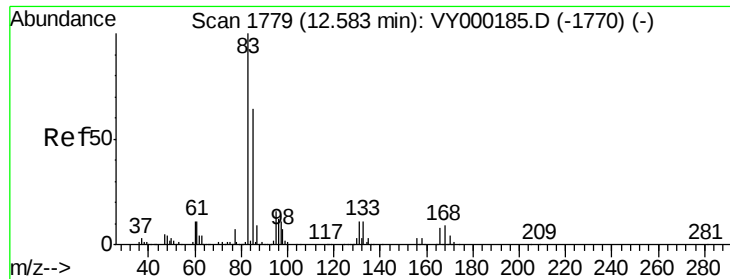
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#74
N-ethyl acetate
Concen: 177.899 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 43 Resp: 1513244
Ion Ratio Lower Upper
43 100
70 45.0 36.7 55.1
55 22.9 18.6 27.8
61 25.9 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 147.005 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1008517

Ion Ratio Lower Upper

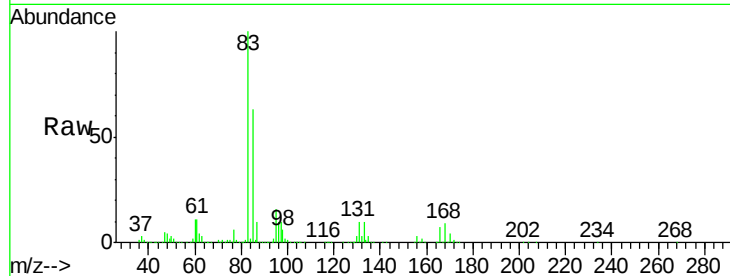
83 100

131 10.9 5.6 16.8

85 64.6 32.1 96.3

Manual Integrations
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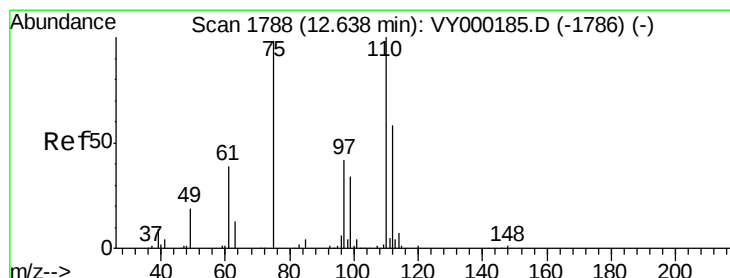
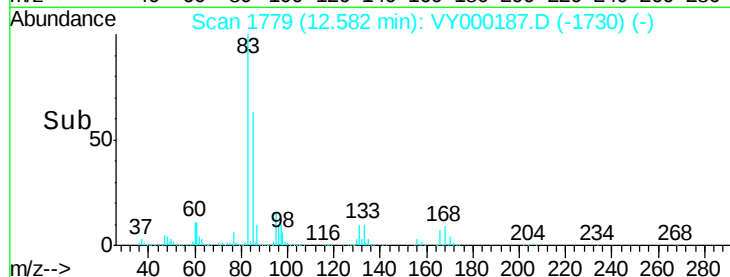
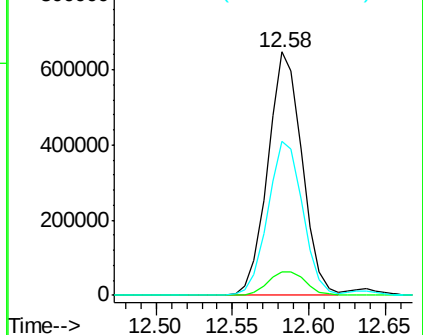
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Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 143.995 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY000187.D

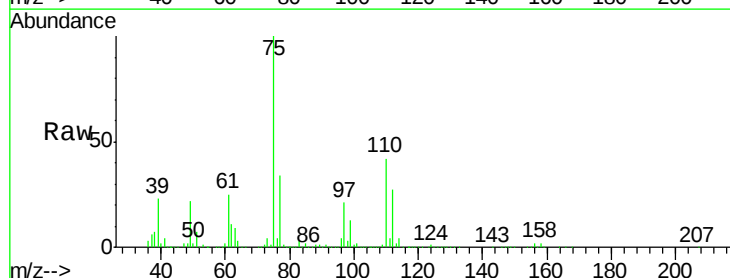
Acq: 03 Oct 2019 16:46

Tgt Ion: 75 Resp: 738764

Ion Ratio Lower Upper

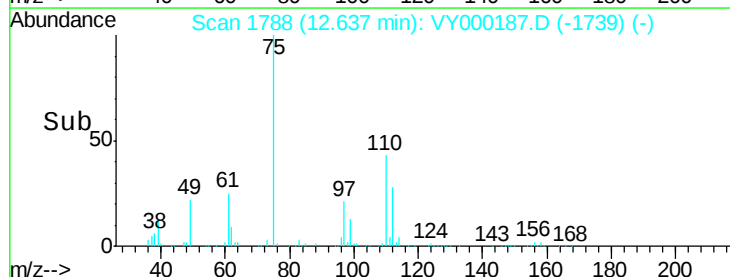
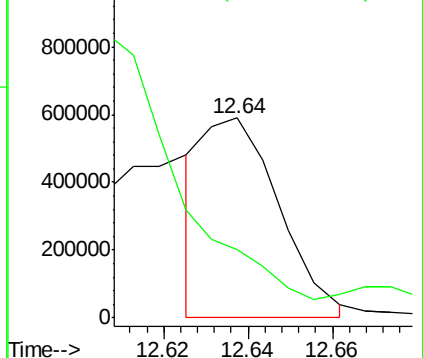
75 100

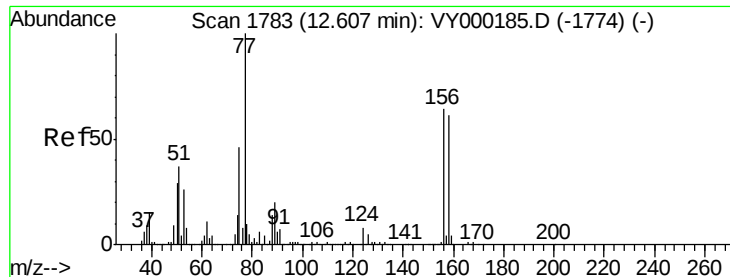
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 149.220 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

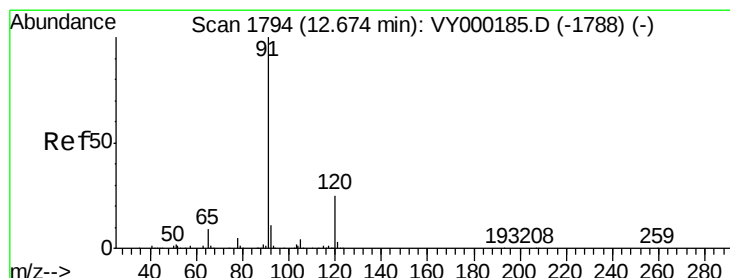
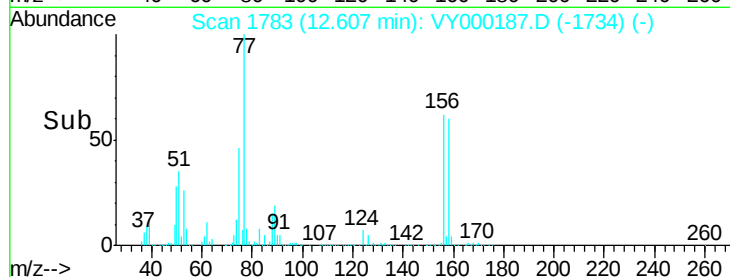
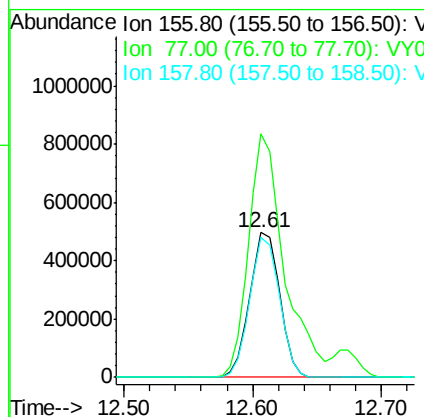
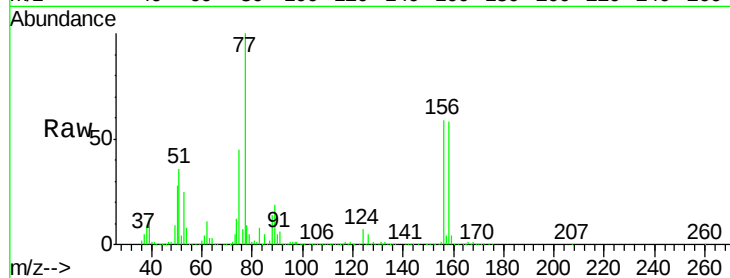
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.0	95.3	285.8
158	96.3	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 172.200 ug/l

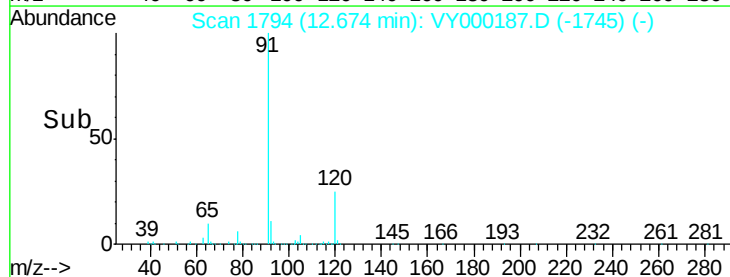
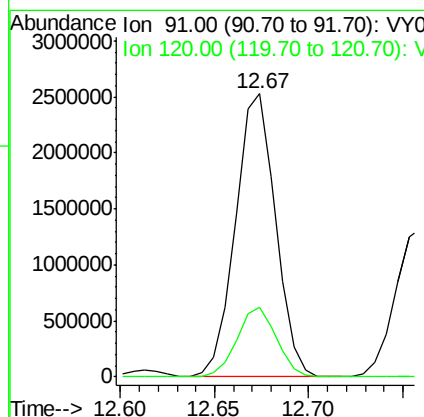
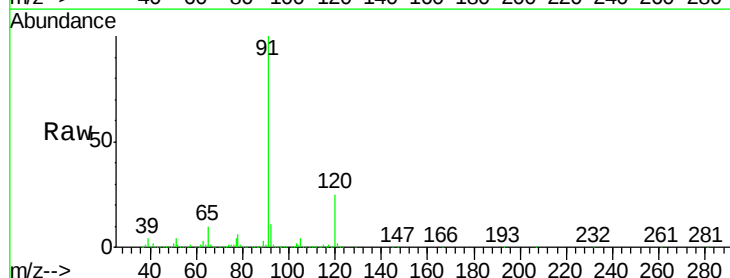
RT: 12.67 min Scan# 1794

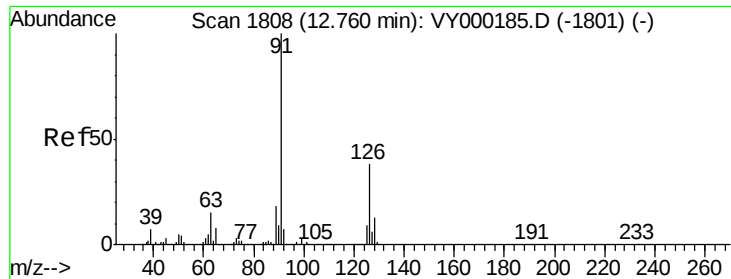
Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.6	37.8





#79

2-Chlorotoluene

Concen: 162.616 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2071154

Ion Ratio Lower Upper

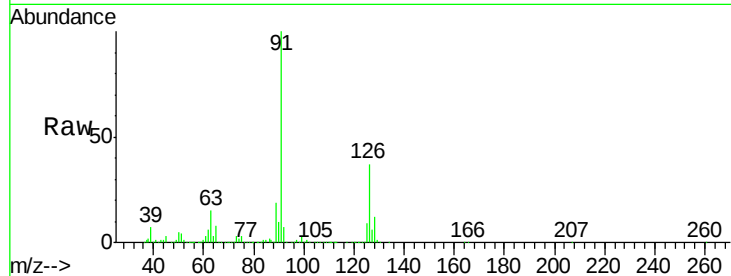
91 100

126 36.2 18.6 56.0

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Abundance Ion 91.00 (90.70 to 91.70): VY000185.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000185.D (-1801) (-)

2000000

1500000

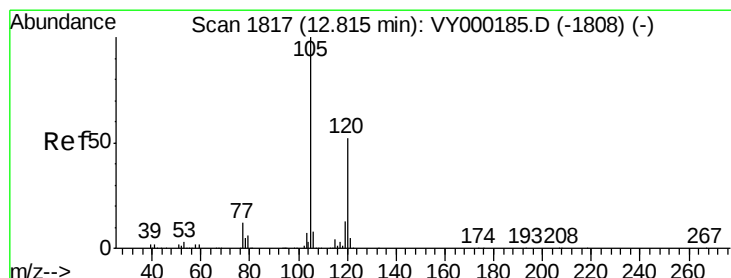
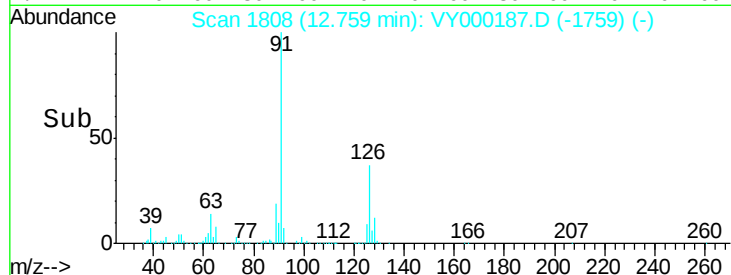
1000000

500000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 164.792 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000187.D

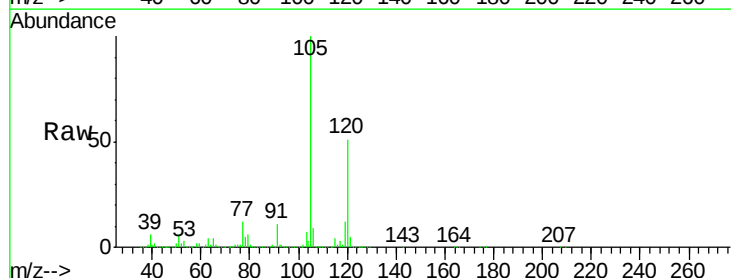
Acq: 03 Oct 2019 16:46

Tgt Ion: 105 Resp: 2671384

Ion Ratio Lower Upper

105 100

120 51.1 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): VY000185.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000185.D (-1808) (-)

2000000

1500000

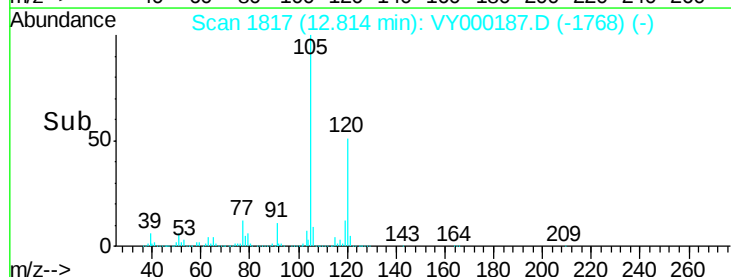
1000000

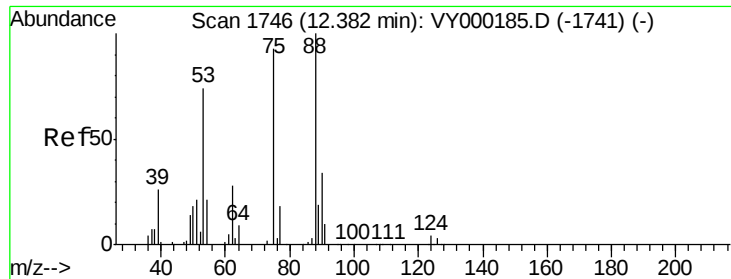
500000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 163.311 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

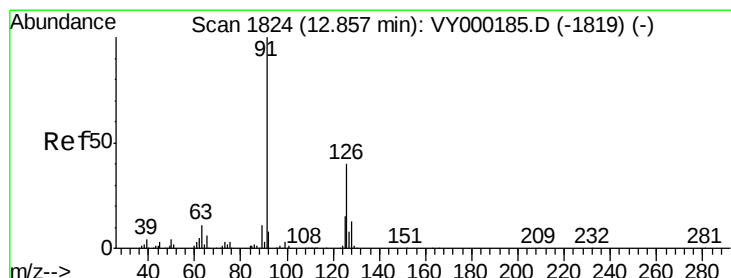
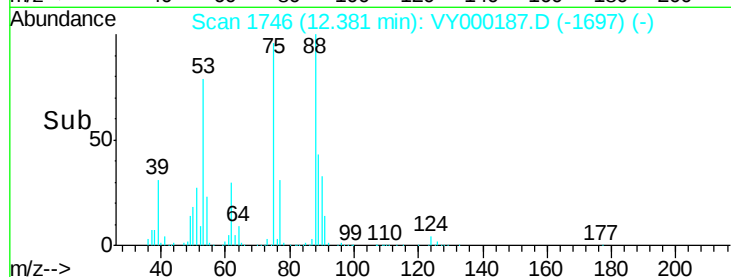
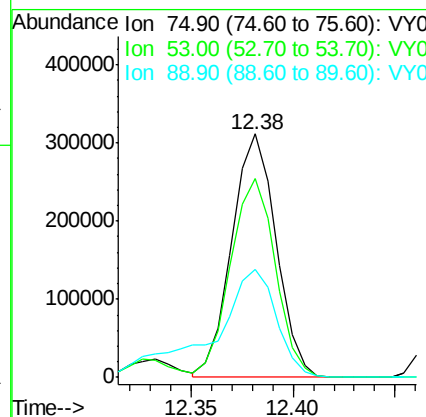
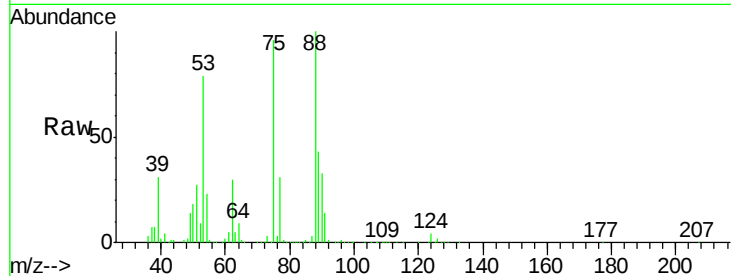
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	467974
Ion	Ratio	Lower	Upper
75	100		
53	83.0	67.7	101.5
89	64.9	37.0	55.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 159.702 ug/l

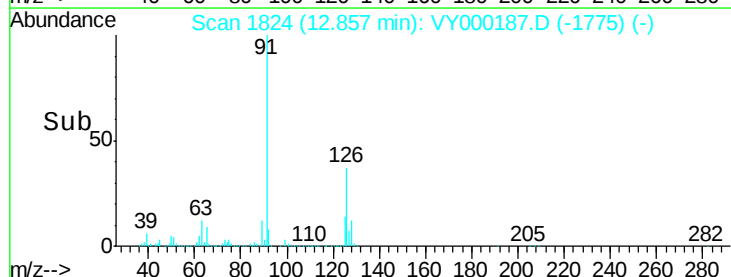
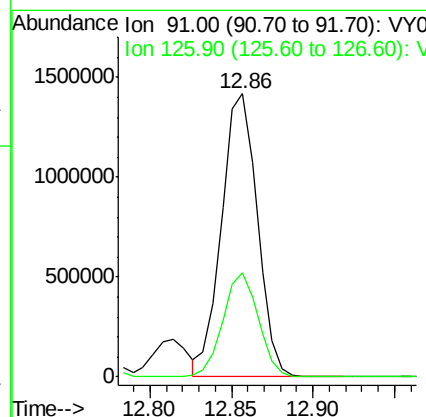
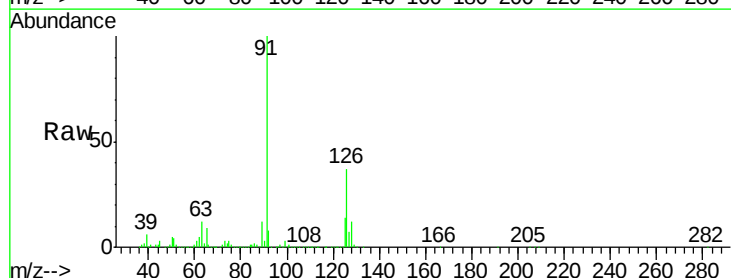
RT: 12.86 min Scan# 1824

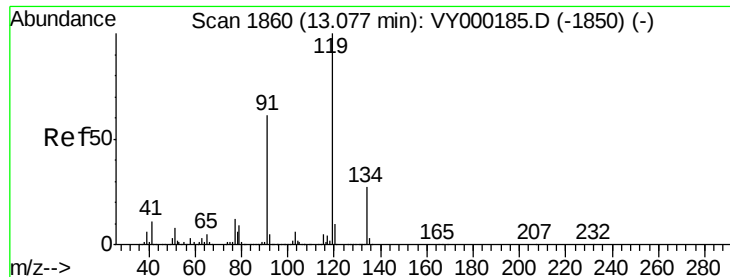
Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Tgt Ion:	91	Resp:	2165715
Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.4	55.0





#83

tert-Butylbenzene

Concen: 157.273 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2323761

Ion Ratio Lower Upper

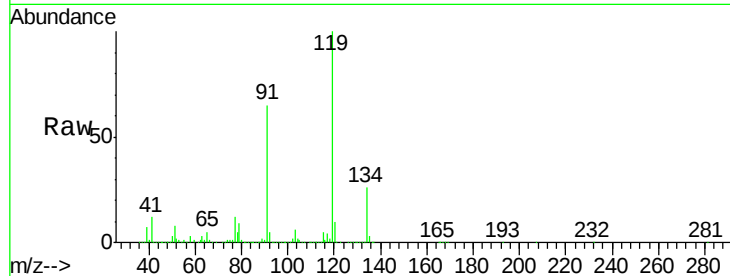
119 100

91 62.5 30.6 92.0

134 27.2 13.7 41.1

Manual Integrations
APPROVED

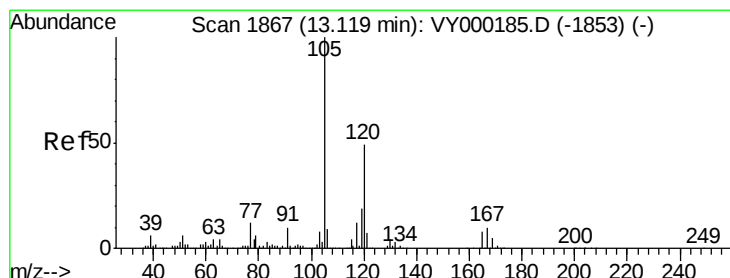
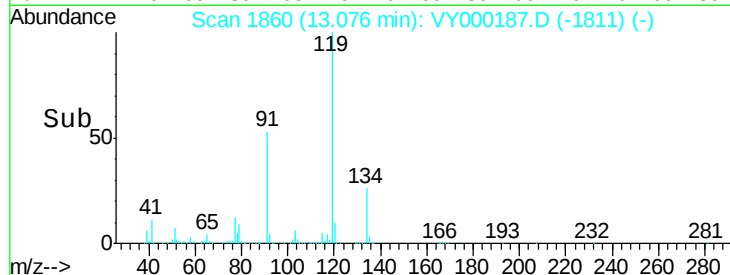
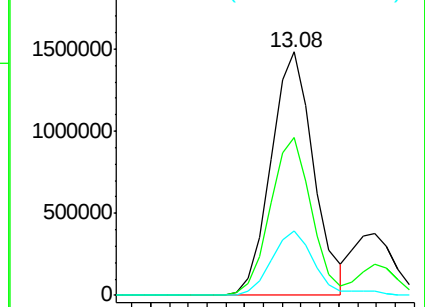
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 167.810 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000187.D

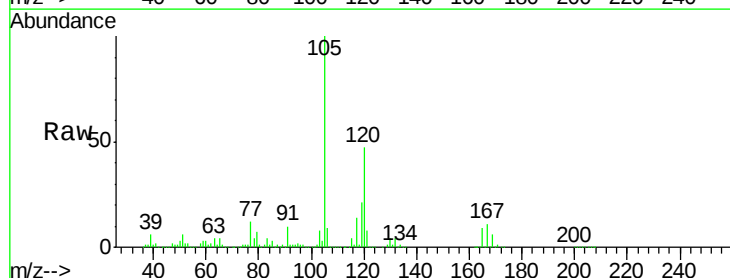
Acq: 03 Oct 2019 16:46

Tgt Ion:105 Resp: 2699862

Ion Ratio Lower Upper

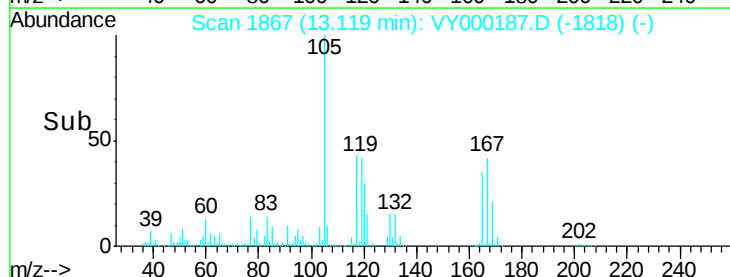
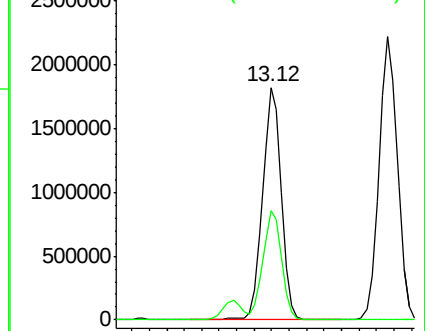
105 100

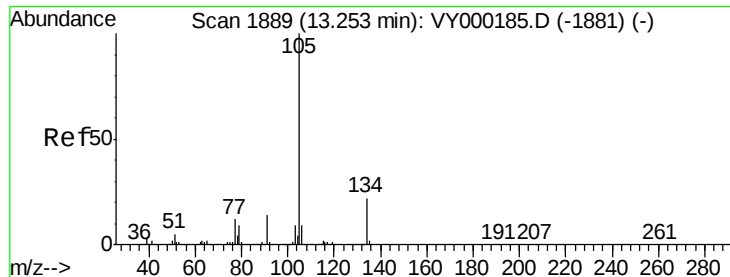
120 46.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 162.974 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3222859

Ion Ratio Lower Upper

105 100

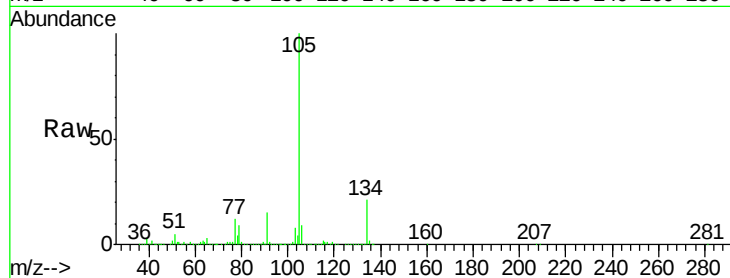
134 21.4 10.9 32.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

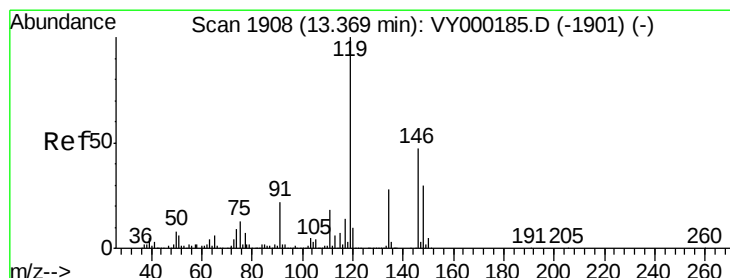
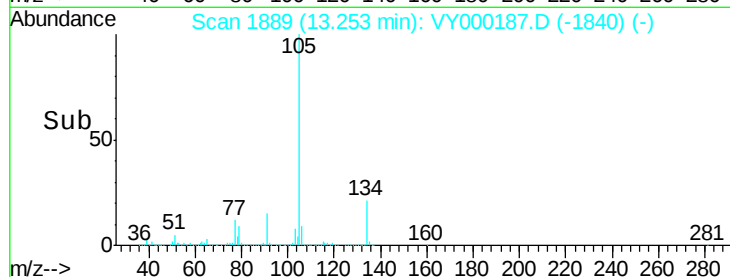
1000000

500000

0

13.15 13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 163.471 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

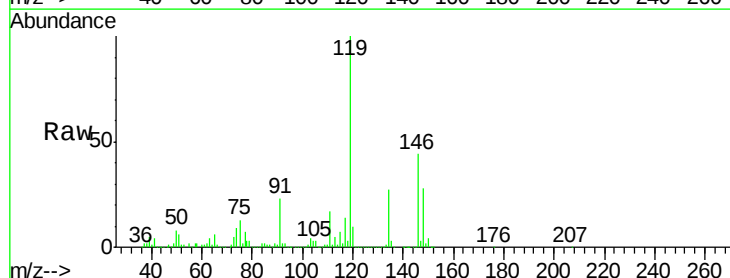
Tgt Ion:119 Resp: 2965216

Ion Ratio Lower Upper

119 100

134 27.4 14.1 42.2

91 23.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

2500000

2000000

1500000

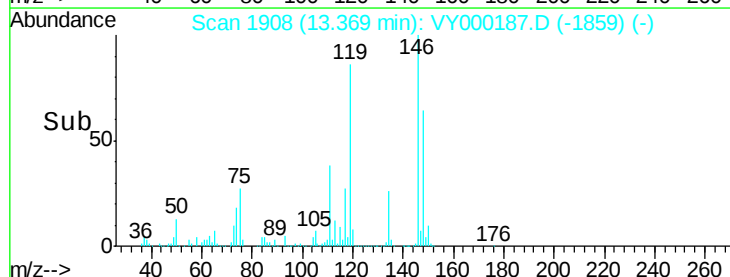
1000000

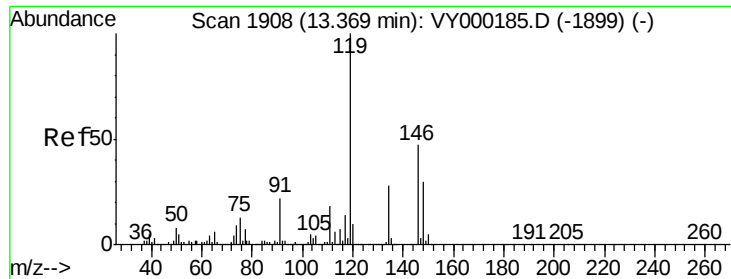
500000

0

13.30 13.35 13.40 13.45

Time-->





#87
 1,3-Dichlorobenzene
 Concen: 150.805 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

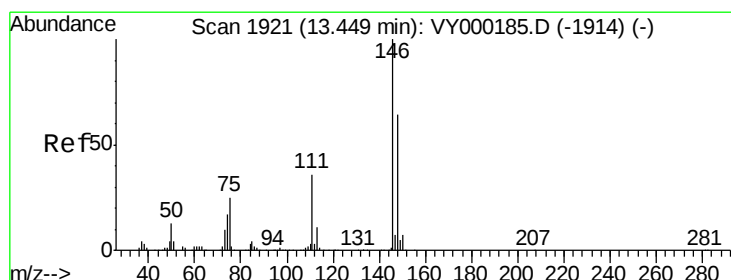
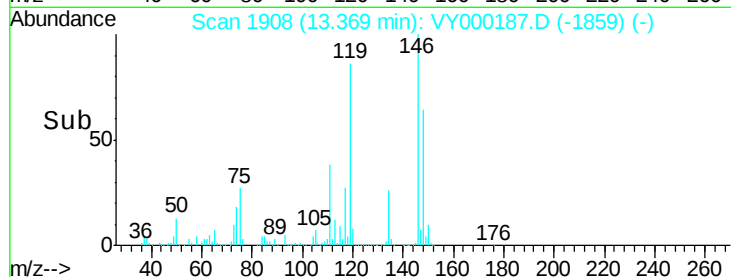
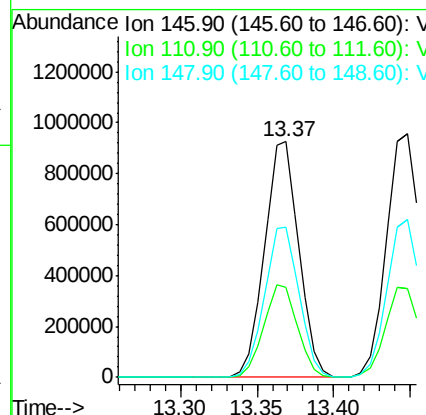
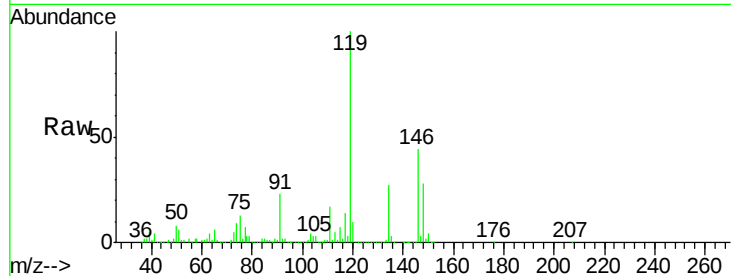
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1448809

Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.7
148	64.1	32.3	96.8

Manual Integrations
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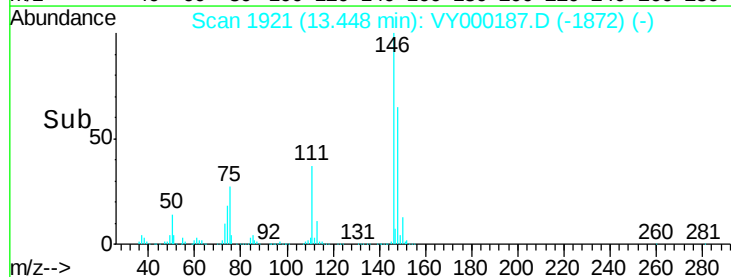
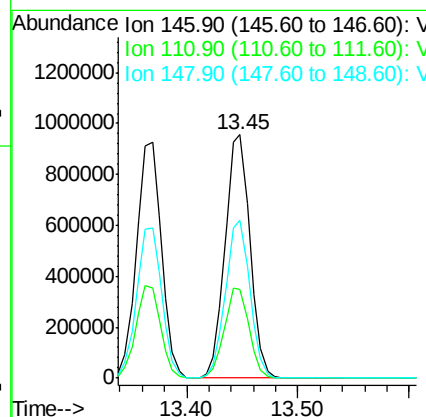
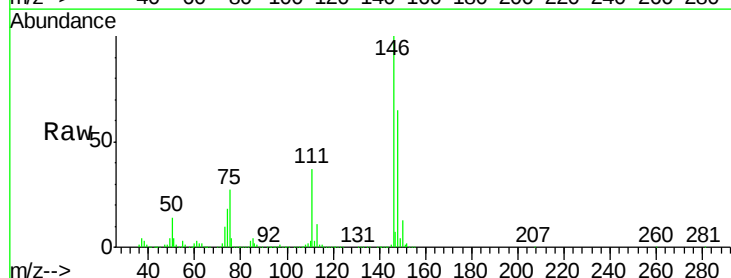
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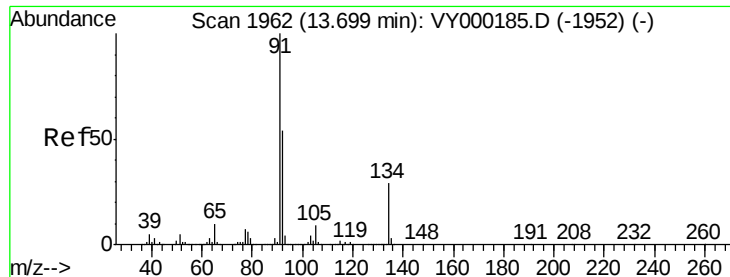


#88
 1,4-Dichlorobenzene
 Concen: 147.742 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion:146 Resp: 1477708

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	63.8	32.3	96.8





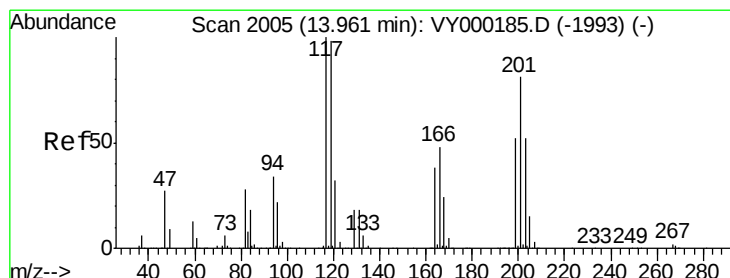
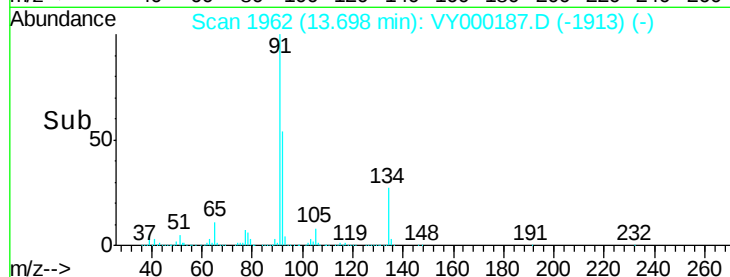
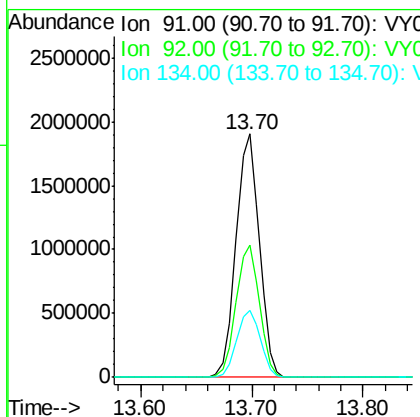
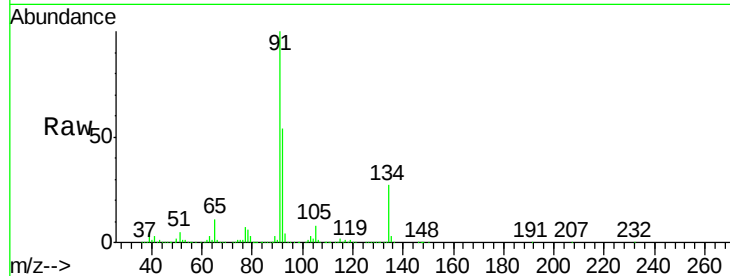
#89
n-Butylbenzene
Concen: 172.448 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Instrument :
MSVOA_Y
ClientSampleID :
VSTDIC150

Tot Ion: 91 Resp: 2747440
Ion Ratio Lower Upper
91 100
92 54.6 27.1 81.3
134 27.9 14.4 43.0

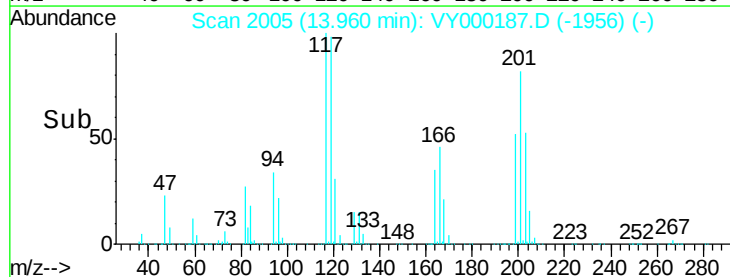
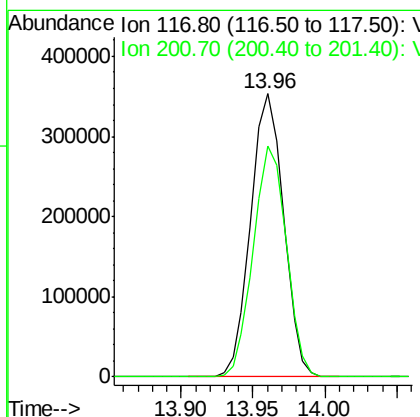
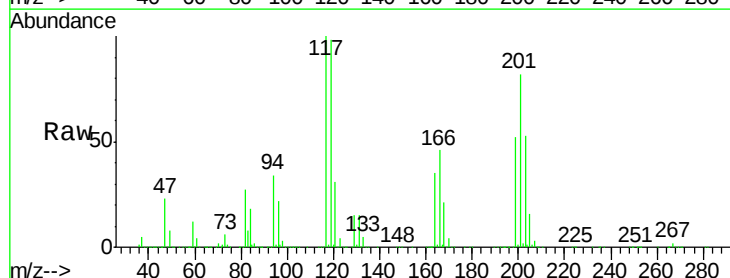
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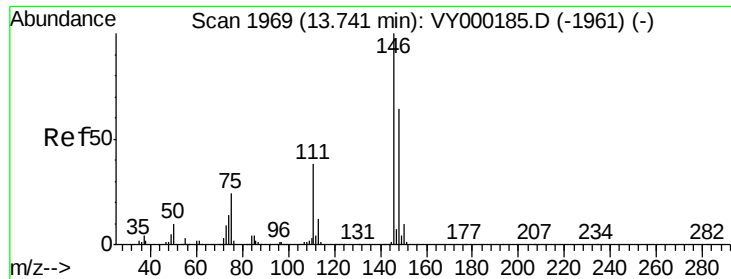
MMDadoda
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#90
Hexachloroethane
Concen: 155.352 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000187.D
Acq: 03 Oct 2019 16:46

Tgt Ion: 117 Resp: 558472
Ion Ratio Lower Upper
117 100
201 82.0 42.6 128.0





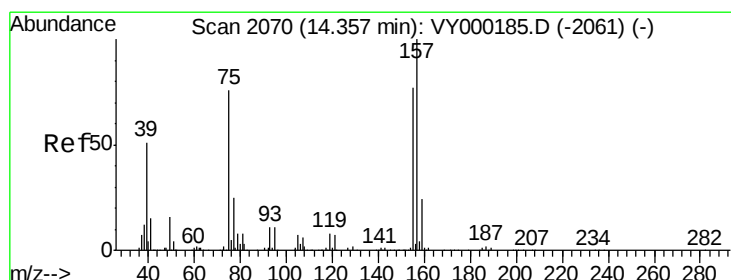
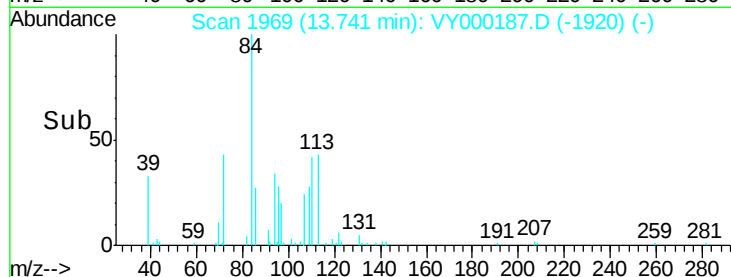
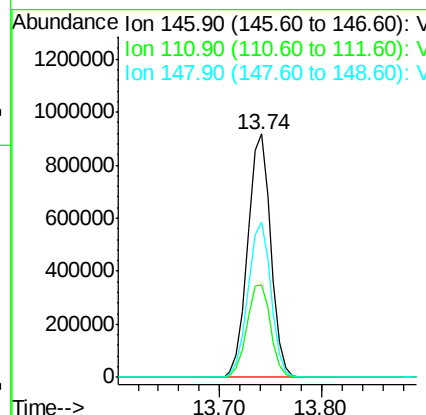
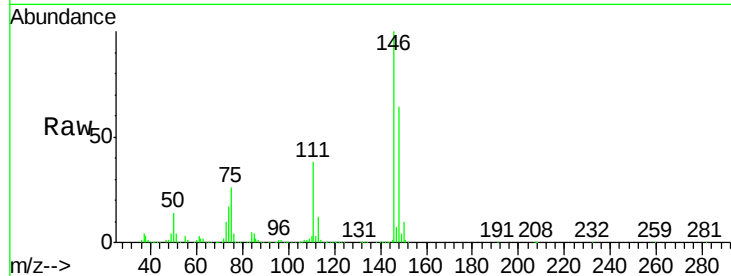
#91
 1,2-Dichlorobenzene
 Concen: 146.579 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	63.8	32.1	96.5

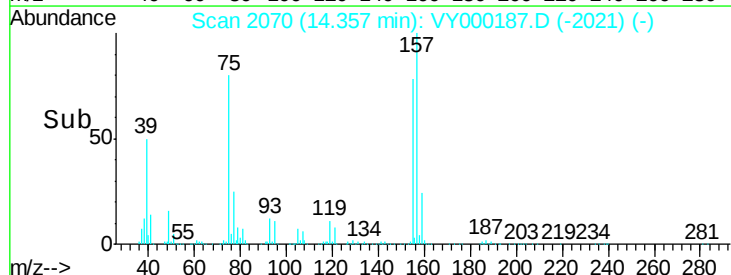
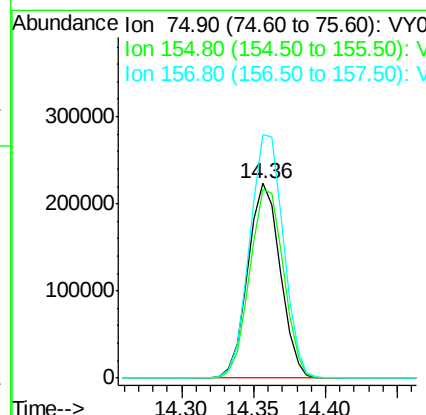
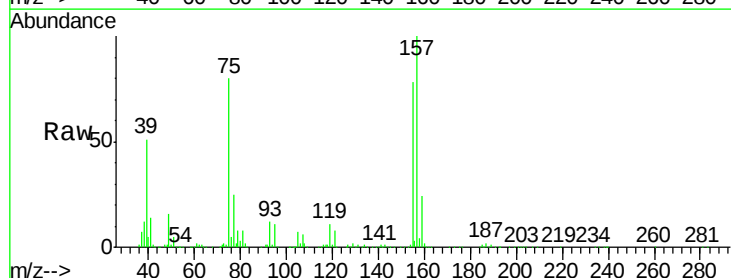
Manual Integrations
 APPROVED

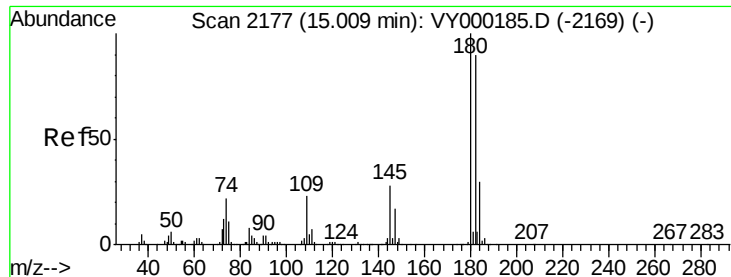
MMDadoda
 10/7/2019 12:51:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 150.558 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	52.3	157.1
157	130.1	66.8	200.3





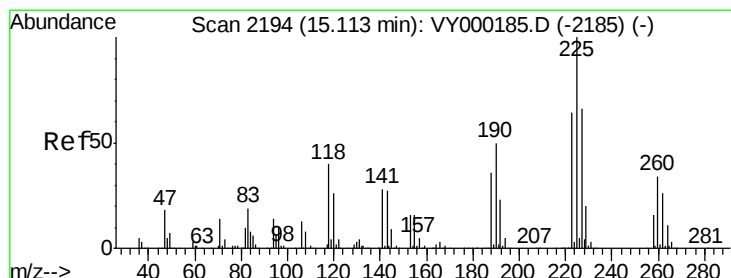
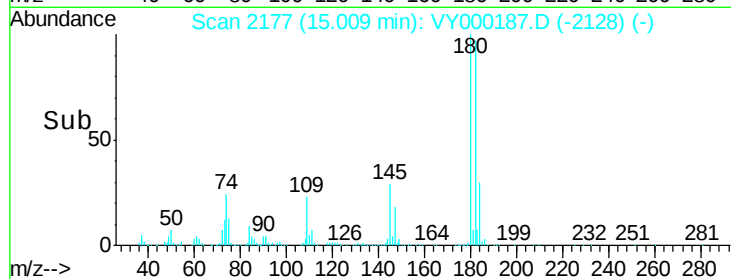
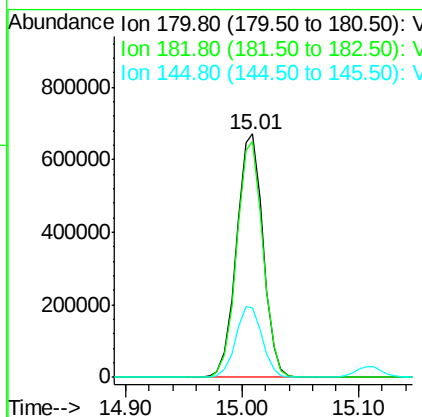
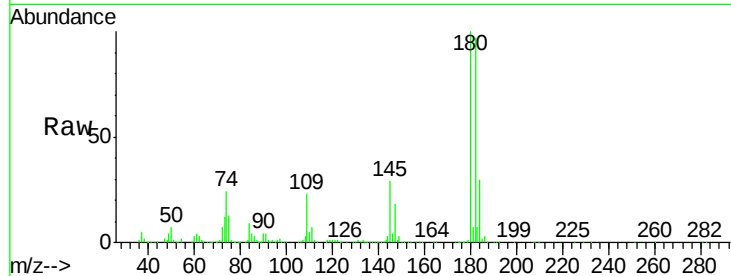
#93
 1,2,4-Trichlorobenzene
 Concen: 148.190 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.3
145	29.3	14.4	43.2

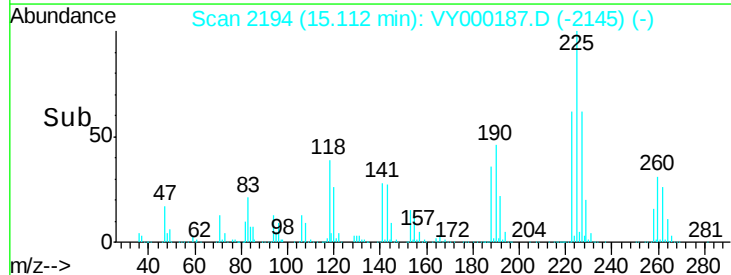
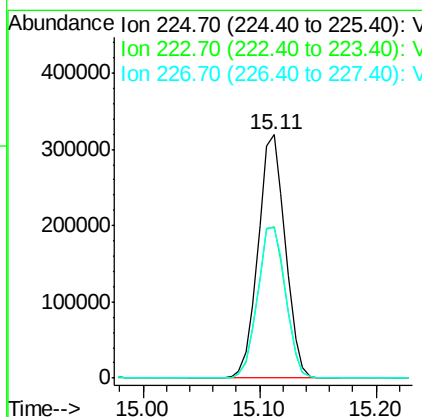
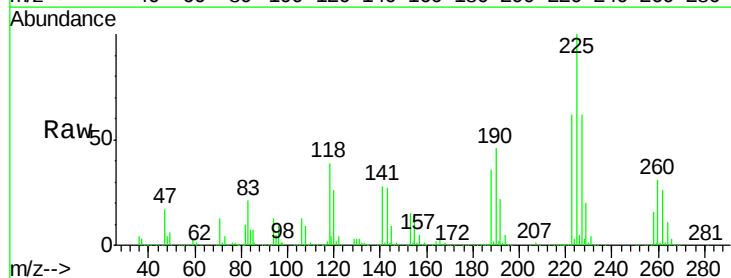
Manual Integrations
 APPROVED

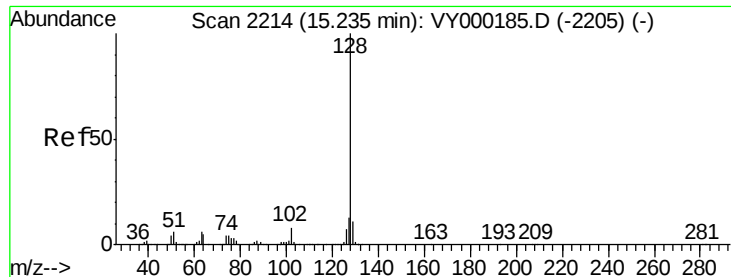
MMDadoda
 10/7/2019 12:51:08 PM



#94
 Hexachlorobutadiene
 Concen: 155.351 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000187.D
 Acq: 03 Oct 2019 16:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.9
227	64.3	32.1	96.3





#95

Naphthalene

Concen: 151.699 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3826802

Ion Ratio Lower Upper

128 100

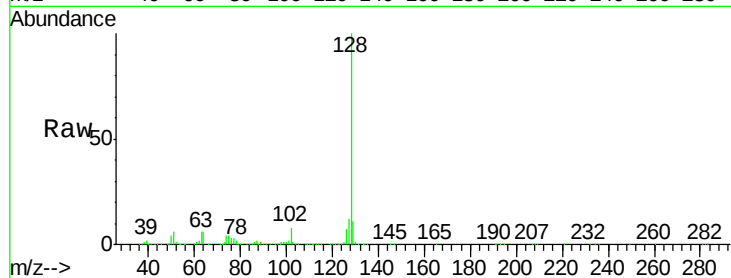
127 12.6 9.9 14.9

129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

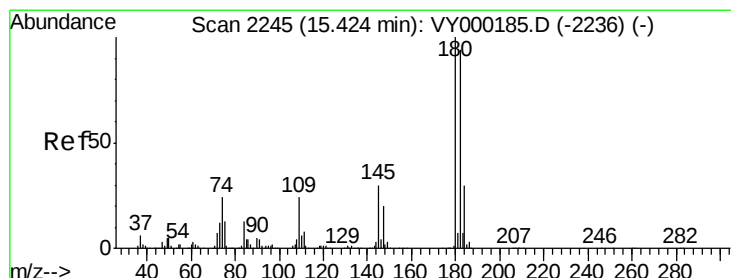
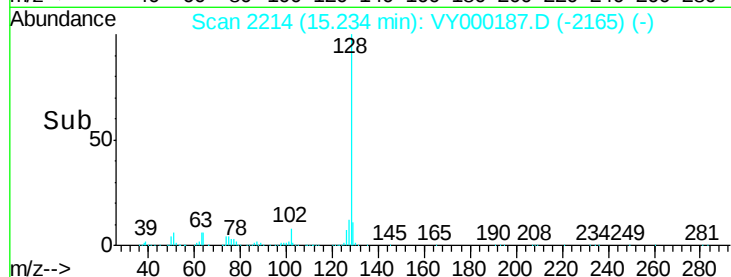
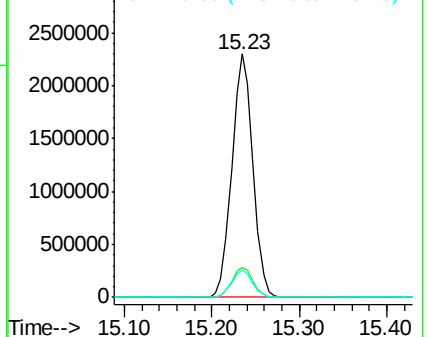
10/7/2019 12:51:08 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 149.499 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000187.D

Acq: 03 Oct 2019 16:46

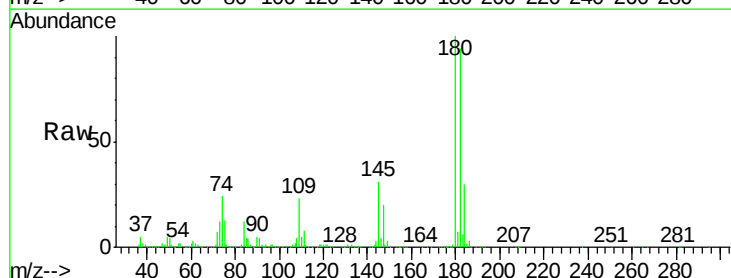
Tgt Ion:180 Resp: 1056583

Ion Ratio Lower Upper

180 100

182 94.7 47.7 143.1

145 30.4 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

