

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102919\
 Data File : VY000481.D
 Acq On : 29 Oct 2019 17:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 11:00:02 AM

Quant Time: Oct 30 08:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	181825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	298900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	275106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	147116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	112322	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.73	113	102156	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
50) Toluene-d8	10.19	98	389124	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
62) 4-Bromofluorobenzene	12.48	95	144061	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	55948	37.901	ug/l	95
3) Chloromethane	2.11	50	98833	44.482	ug/l	99
4) Vinyl Chloride	2.25	62	93225	41.575	ug/l	97
5) Bromomethane	2.65	94	64188	38.625	ug/l	99
6) Chloroethane	2.80	64	65363	45.177	ug/l	93
7) Trichlorofluoromethane	3.13	101	150340	49.015	ug/l	98
8) Diethyl Ether	3.53	74	57529	53.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	94691	50.905	ug/l	99
10) Methyl Iodide	4.10	142	100499	38.217	ug/l	99
11) Tert butyl alcohol	4.97	59	52768	262.897	ug/l	99
12) 1,1-Dichloroethene	3.88	96	89330	48.644	ug/l	96
13) Acrolein	3.74	56	51721	219.790	ug/l	99
14) Allyl chloride	4.49	41	153247	50.357	ug/l	99
15) Acrylonitrile	5.18	53	163254	269.177	ug/l	96
16) Acetone	3.96	43	150430	242.192	ug/l	98
17) Carbon Disulfide	4.20	76	232165	40.154	ug/l	99
18) Methyl Acetate	4.49	43	79204	51.323	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	283013	55.361	ug/l	95
20) Methylene Chloride	4.72	84	108309	51.968	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	101465	48.159	ug/l	91
22) Diisopropyl ether	6.13	45	359764	55.895	ug/l	97
23) Vinyl Acetate	6.08	43	1160104	276.276	ug/l	99
24) 1,1-Dichloroethane	6.03	63	184110	52.404	ug/l	99
25) 2-Butanone	7.00	43	235563	269.227	ug/l	100
26) 2,2-Dichloropropane	7.00	77	163376	50.466	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	121942	53.488	ug/l	99
28) Bromochloromethane	7.35	49	83507	55.369	ug/l	99
29) Tetrahydrofuran	7.36	42	146012	275.359	ug/l	97
30) Chloroform	7.52	83	193295	54.632	ug/l	95
31) Cyclohexane	7.79	56	164071	44.713	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	169204	53.792	ug/l	99
36) 1,1-Dichloropropene	7.93	75	147464	50.391	ug/l	98
37) Ethyl Acetate	7.09	43	95326	55.013	ug/l	97
38) Carbon Tetrachloride	7.91	117	148363	52.361	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	184717	48.227	ug/l	98
40) Benzene	8.17	78	442108	52.277	ug/l	99
41) Methacrylonitrile	7.33	41	56917m	69.006	ug/l	
42) 1,2-Dichloroethane	8.25	62	132689	54.927	ug/l	98
43) Isopropyl Acetate	8.28	43	187190	56.814	ug/l	99
44) Trichloroethene	8.95	130	118711	50.027	ug/l	96
45) 1,2-Dichloropropane	9.22	63	112860	54.380	ug/l	99
46) Dibromomethane	9.31	93	64668	55.740	ug/l	98
47) Bromodichloromethane	9.50	83	152671	55.838	ug/l	98
48) Methyl methacrylate	9.30	41	81944	56.750	ug/l	100
49) 1,4-Dioxane	9.31	88	19775	1136.793	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	501408	295.059	ug/l	100
52) Toluene	10.25	92	288521	53.735	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	163812	55.904	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	183890	55.260	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	95855	56.824	ug/l	95
56) Ethyl methacrylate	10.52	69	136008	56.567	ug/l	95
57) 1,3-Dichloropropane	10.80	76	164486	56.778	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	336434	350.806	ug/l	99
59) 2-Hexanone	10.83	43	363384	304.649	ug/l	99
60) Dibromochloromethane	10.99	129	109096	58.350	ug/l	97
61) 1,2-Dibromoethane	11.09	107	89396	55.194	ug/l	97
64) Tetrachloroethene	10.72	164	122998	46.963	ug/l	99
65) Chlorobenzene	11.52	112	305694	52.652	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	114128	55.959	ug/l	98
67) Ethyl Benzene	11.59	91	559082	51.945	ug/l	98
68) m/p-Xylenes	11.70	106	430892	104.725	ug/l	100
69) o-Xylene	12.03	106	206160	52.523	ug/l	99
70) Styrene	12.05	104	361320	54.583	ug/l	99
71) Bromoform	12.20	173	69360	59.159	ug/l #	97
73) Isopropylbenzene	12.33	105	555863	48.457	ug/l	100
74) N-amyl acetate	12.14	43	176303	62.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	119715	55.584	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	90358m	49.948	ug/l	
77) Bromobenzene	12.61	156	130615	51.170	ug/l	94
78) n-propylbenzene	12.67	91	670731	48.699	ug/l	99
79) 2-Chlorotoluene	12.75	91	372109	48.922	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	475391	49.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	40555	49.050	ug/l	100
82) 4-Chlorotoluene	12.85	91	401746	49.967	ug/l	99
83) tert-Butylbenzene	13.08	119	407389	50.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	476059	50.146	ug/l	100
85) sec-Butylbenzene	13.25	105	582858	49.463	ug/l	100
86) p-Isopropyltoluene	13.37	119	518810	50.502	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	257249	51.150	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	255300	50.787	ug/l	98
89) n-Butylbenzene	13.70	91	509054	50.143	ug/l	99
90) Hexachloroethane	13.96	117	98598	51.831	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	237287	52.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21411	52.416	ug/l	95

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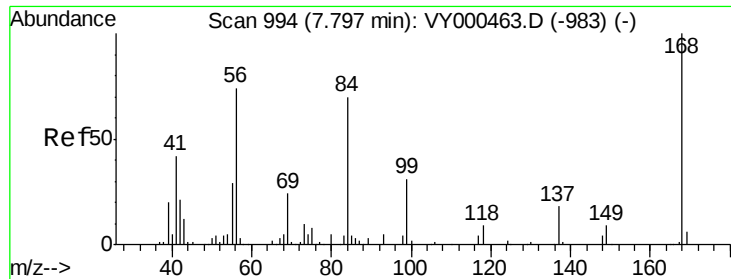
Manual Integrations
APPROVED

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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	160354	50.603	ug/l	100
94) Hexachlorobutadiene	15.11	225	83705	48.810	ug/l	97
95) Naphthalene	15.23	128	362448	51.253	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	143079	50.098	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181825

Ion Ratio Lower Upper

168 100

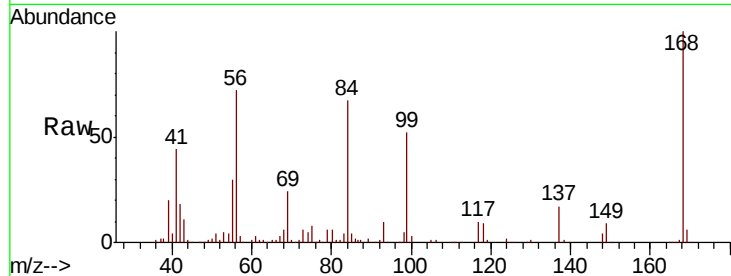
99 52.4 46.6 69.8

Manual Integrations

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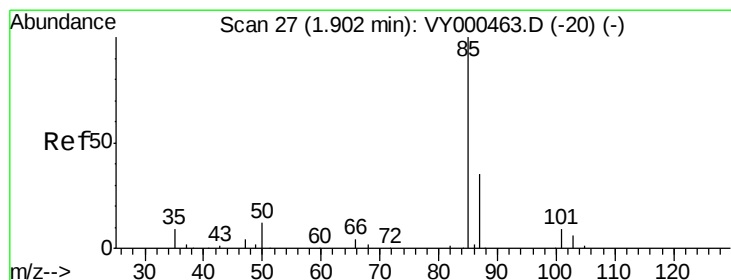
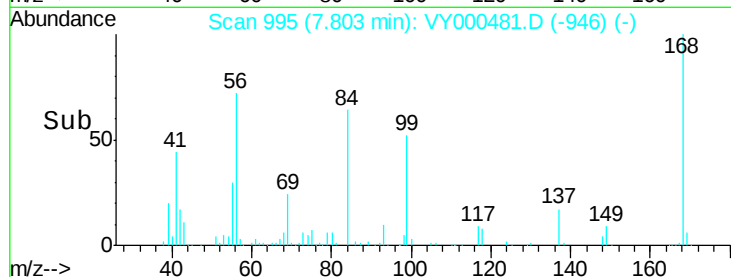
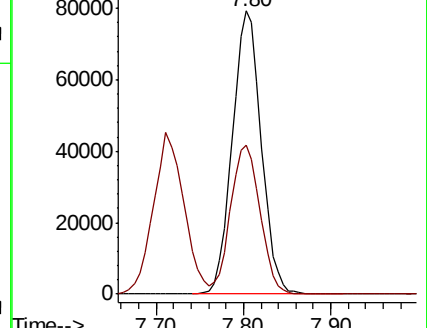
MMDadoda

10/30/2019 11:00:02 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000463.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000463.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: 37.901 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000481.D

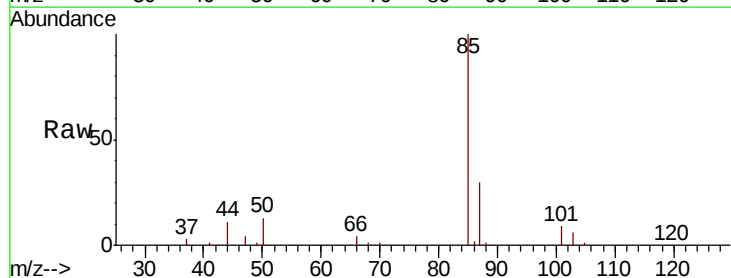
Acq: 29 Oct 2019 17:47

Tgt Ion: 85 Resp: 55948

Ion Ratio Lower Upper

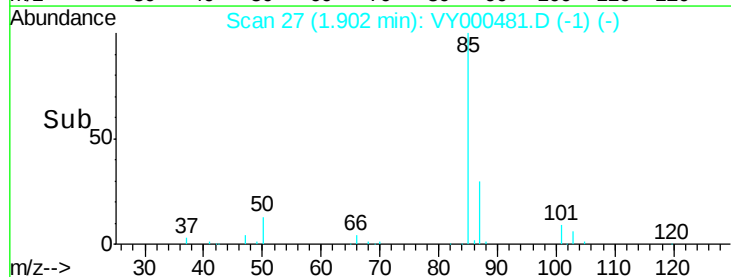
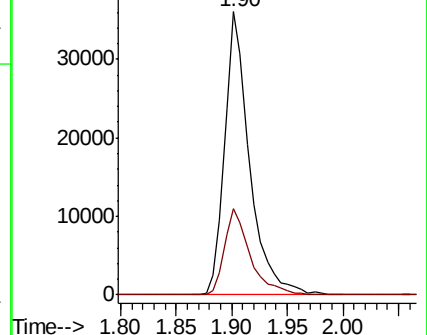
85 100

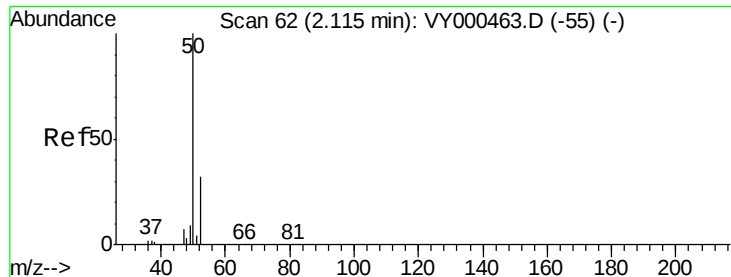
87 30.3 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000463.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000463.D (-20) (-)





#3

Chloromethane

Concen: 44.482 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98833

Ion Ratio Lower Upper

50 100

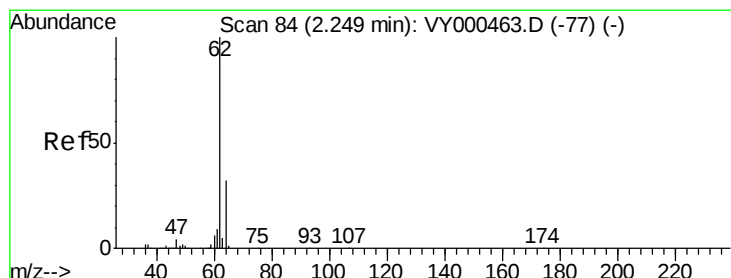
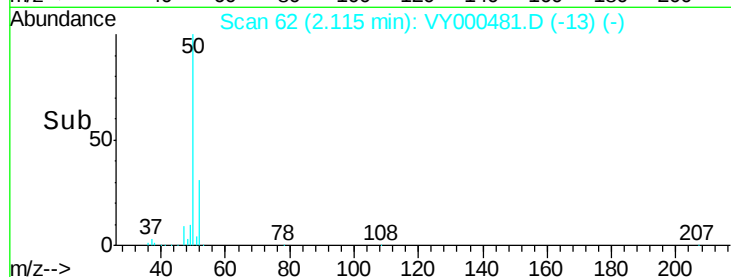
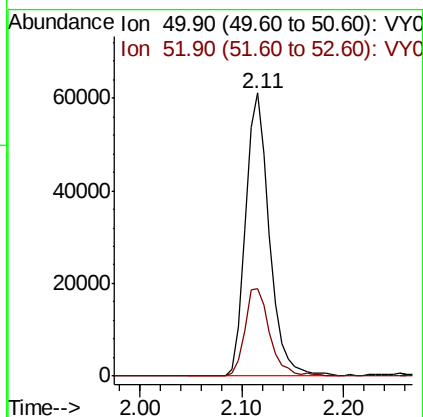
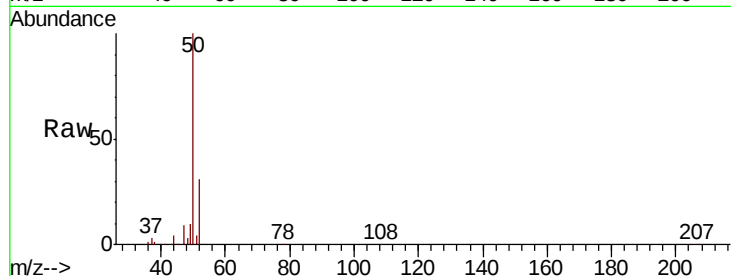
52 31.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.575 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000481.D

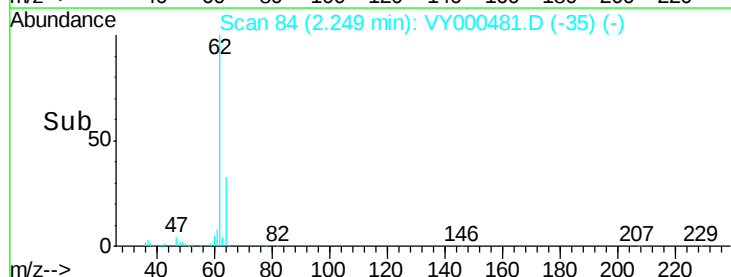
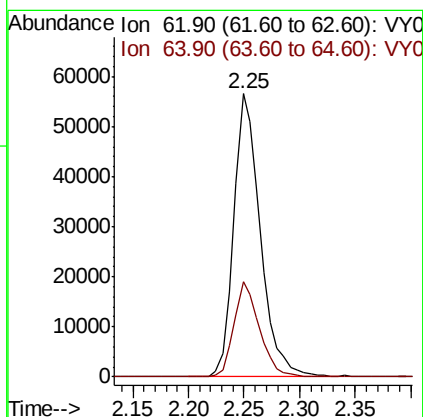
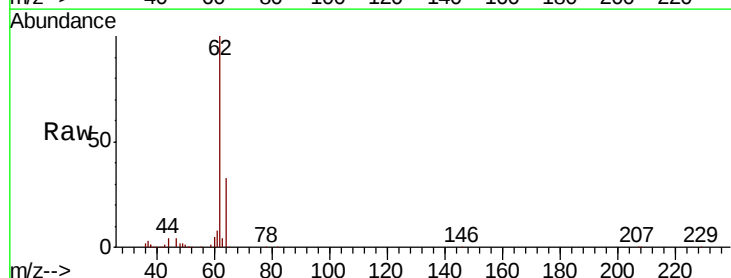
Acq: 29 Oct 2019 17:47

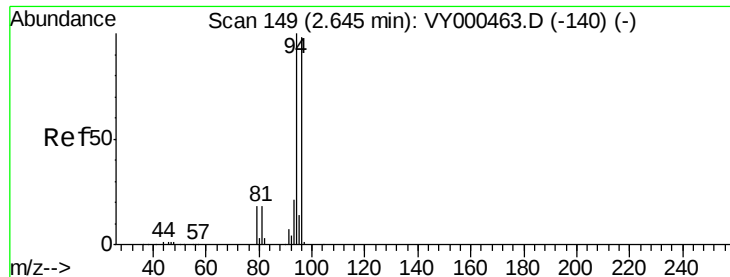
Tgt Ion: 62 Resp: 93225

Ion Ratio Lower Upper

62 100

64 33.4 25.6 38.4





#5

Bromomethane

Concen: 38.625 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 64188

Ion Ratio Lower Upper

94 100

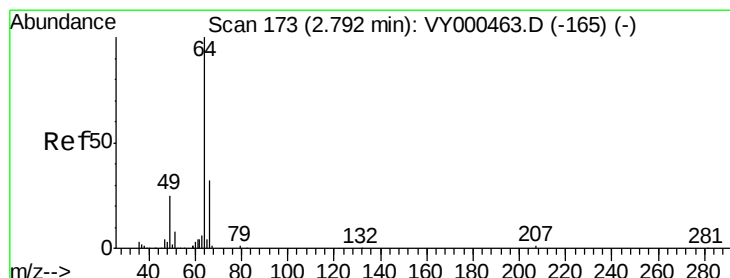
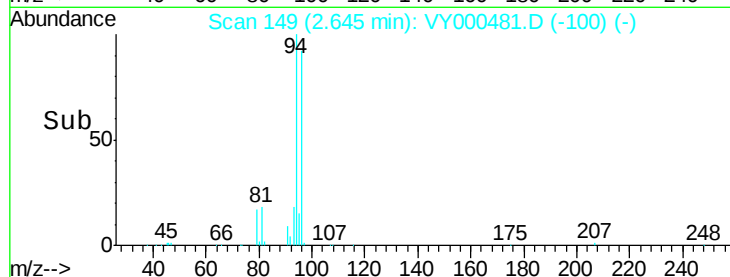
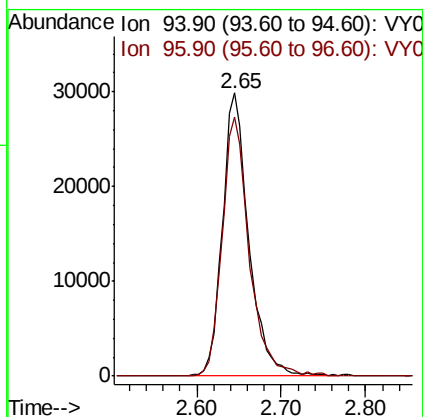
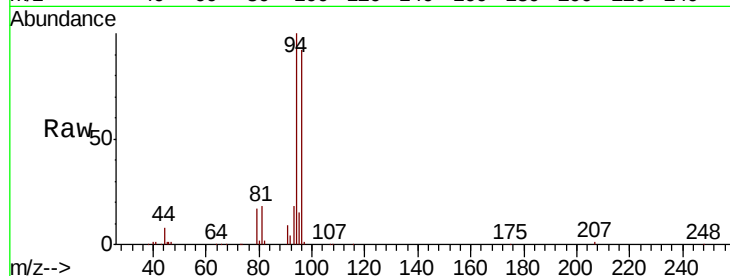
96 91.7 74.2 111.2

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#6

Chloroethane

Concen: 45.177 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000481.D

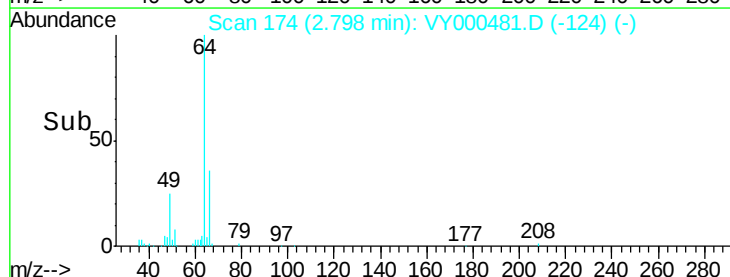
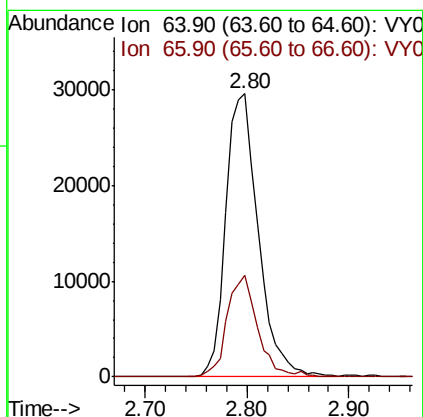
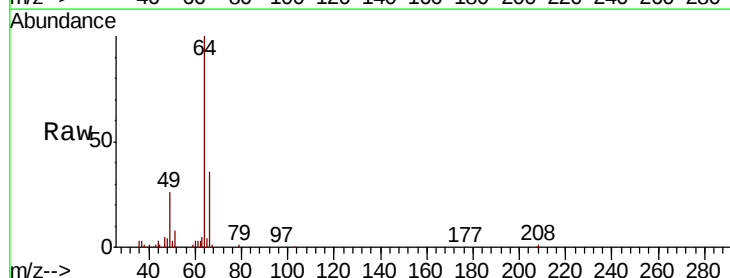
Acq: 29 Oct 2019 17:47

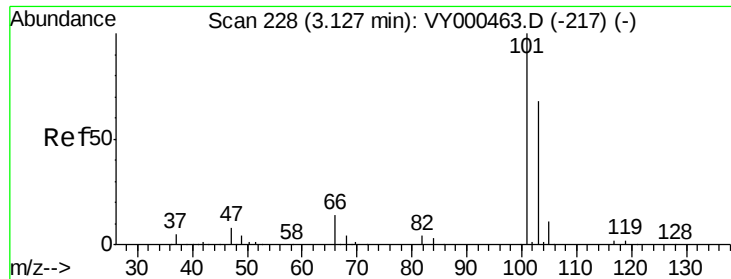
Tgt Ion: 64 Resp: 65363

Ion Ratio Lower Upper

64 100

66 35.9 25.6 38.4





#7

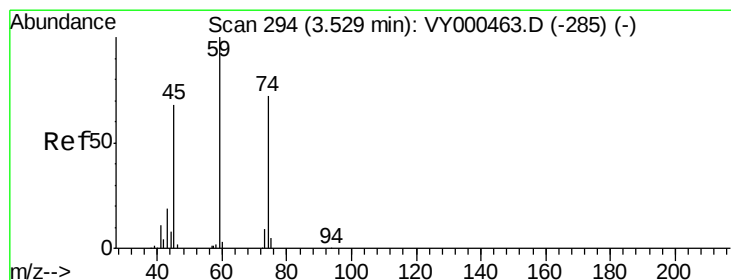
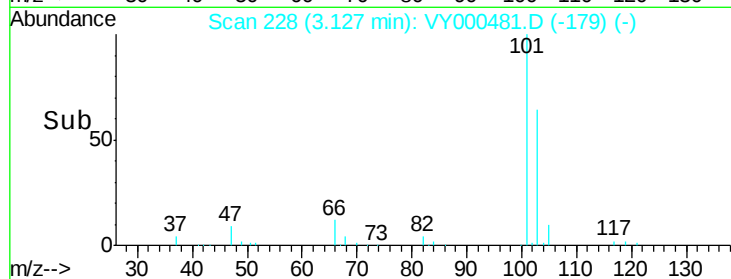
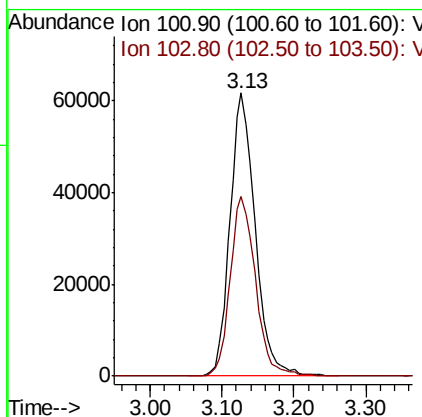
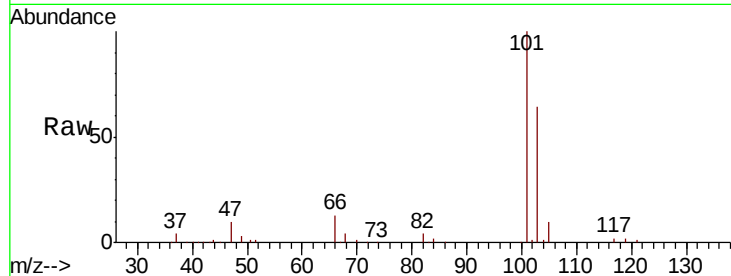
Trichlorofluoromethane
 Concen: 49.015 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

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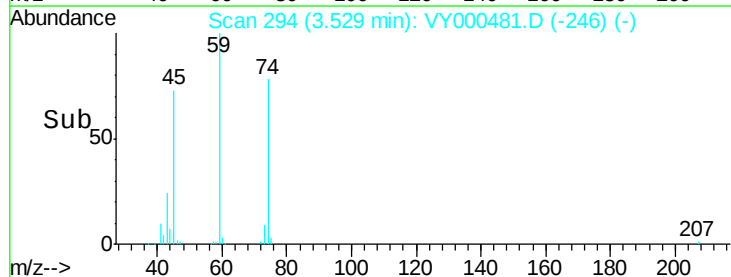
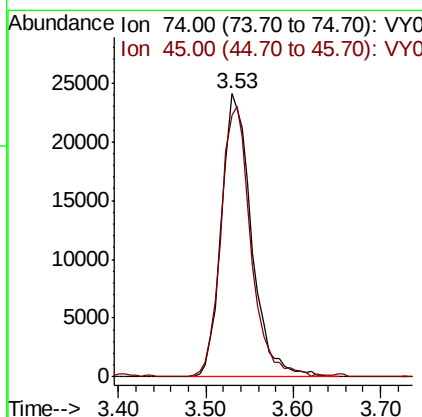
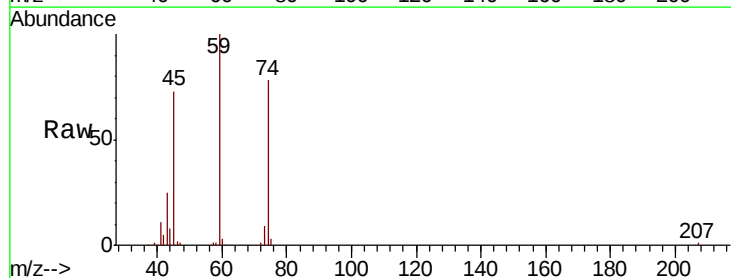
MMDadoda
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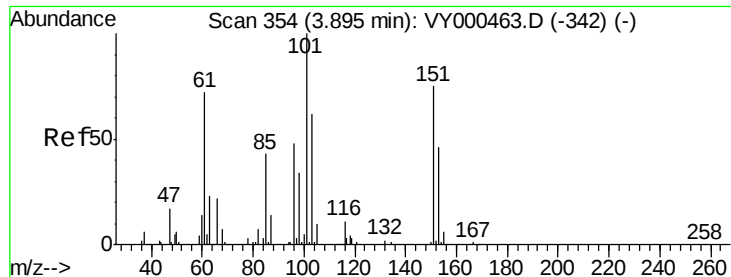


#8

Diethyl Ether
 Concen: 53.092 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.905 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

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MSVOA_Y

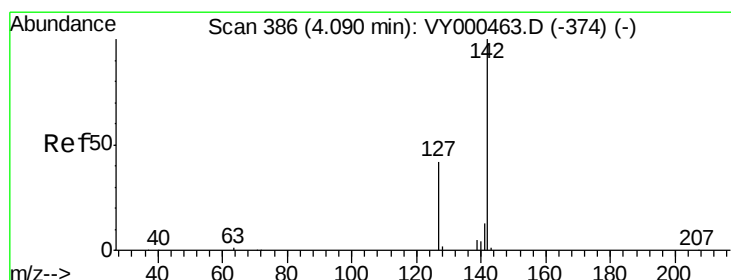
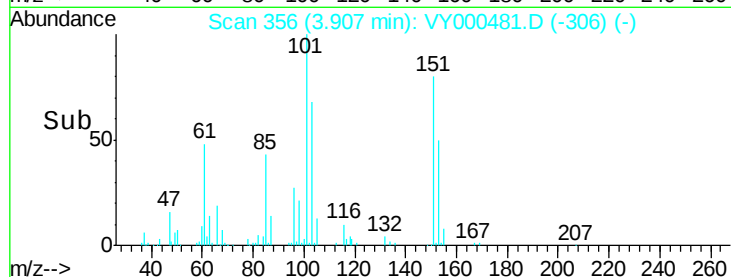
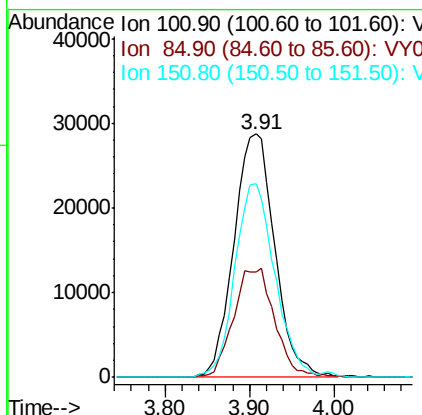
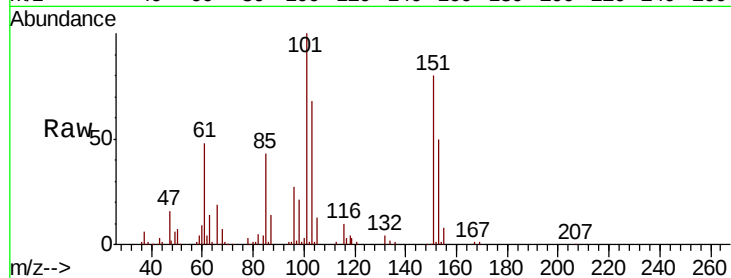
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	94691
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	77.5	63.1	94.7

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#10

Methyl Iodide

Concen: 38.217 ug/l

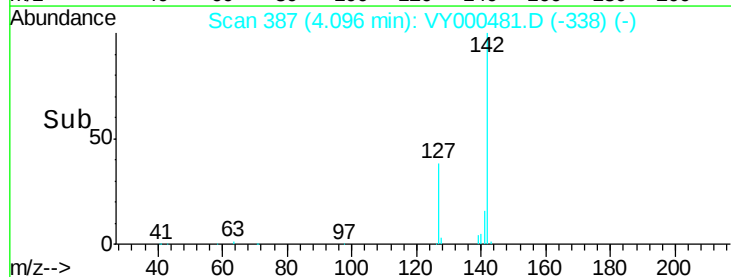
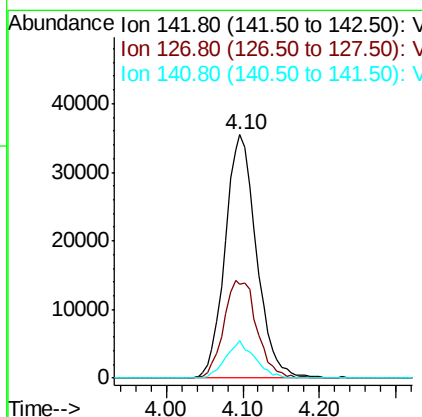
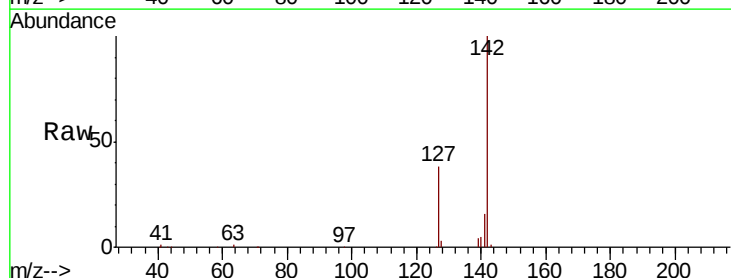
RT: 4.10 min Scan# 387

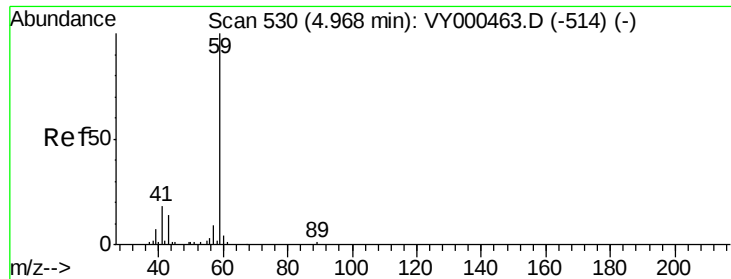
Delta R.T. 0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	142	Resp:	100499
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.9	50.9
141	14.3	11.2	16.8





#11

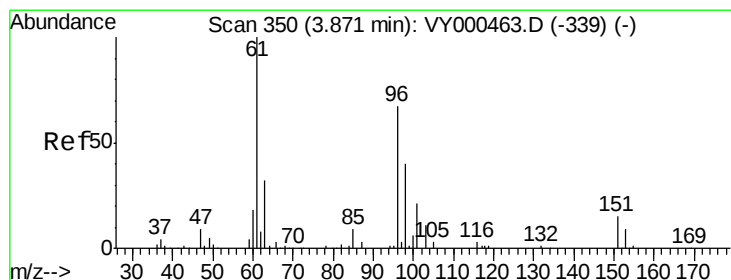
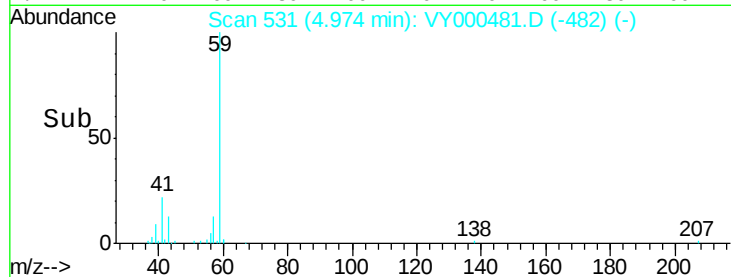
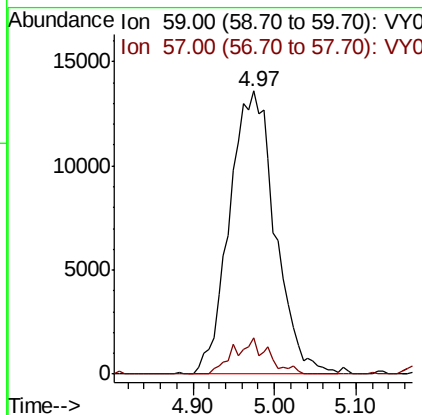
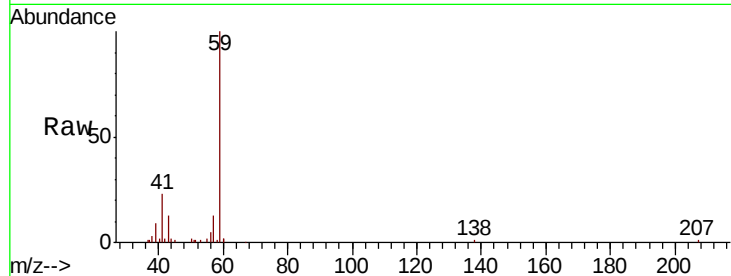
Tert butyl alcohol
Concen: 262.897 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	52768
Ion Ratio	100	Lower	Upper
57	9.6	8.2	12.2

Manual Integrations
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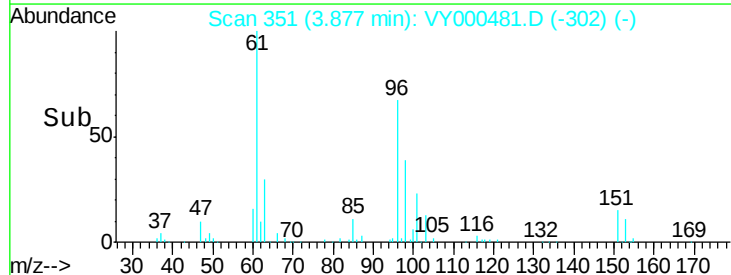
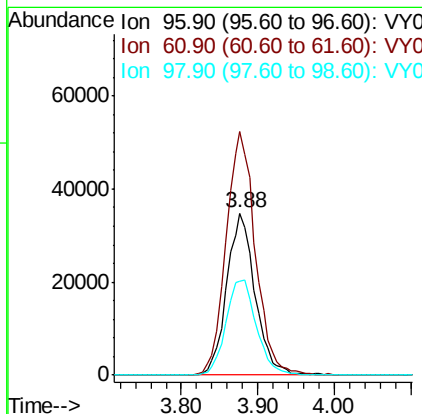
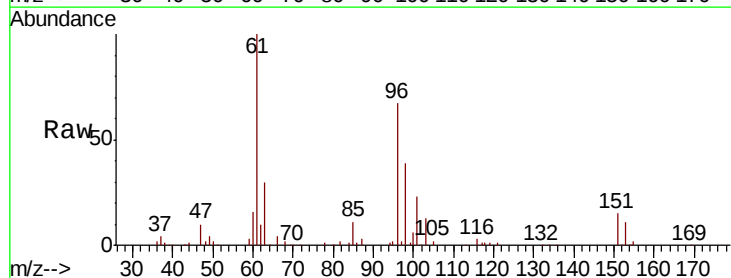
MMDadoda
10/30/2019 11:00:02 AM

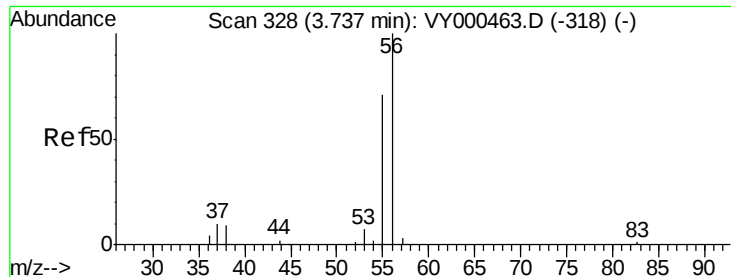


#12

1,1-Dichloroethene
Concen: 48.644 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	96	Resp	89330
Ion Ratio	100	Lower	Upper
61	150.0	125.8	188.6
98	57.9	46.2	69.2





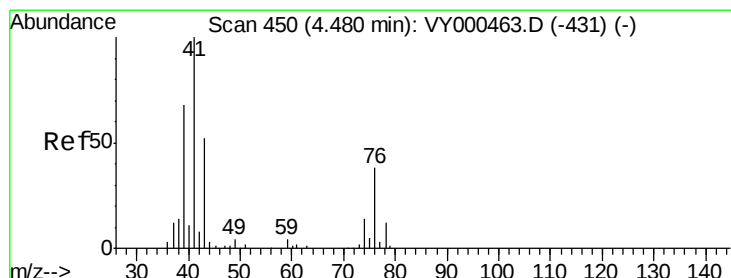
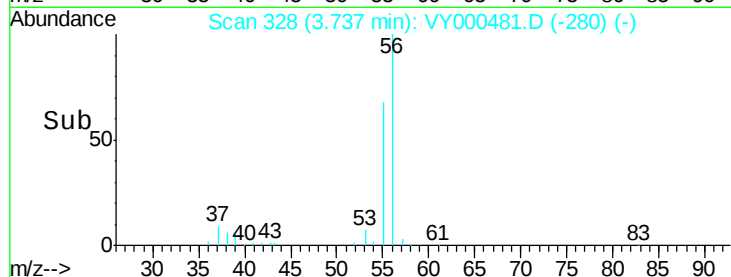
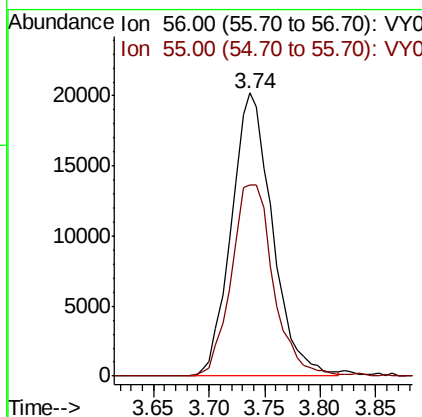
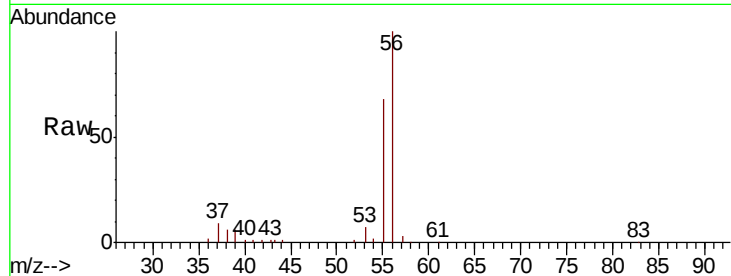
#13
Acrolein
Concen: 219.790 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.2	55.7	83.5

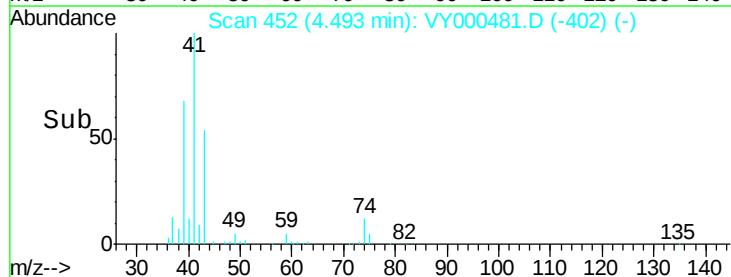
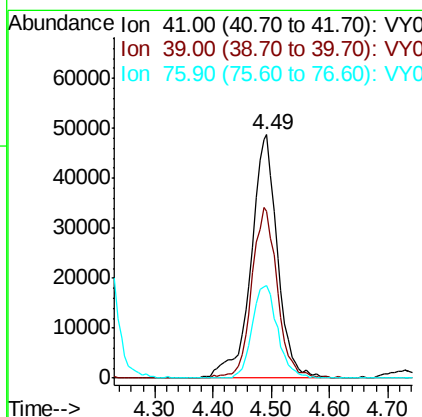
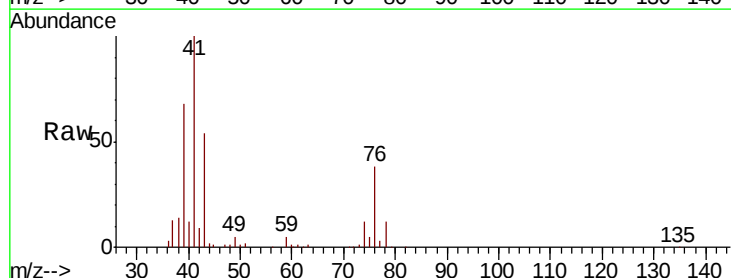
Manual Integrations
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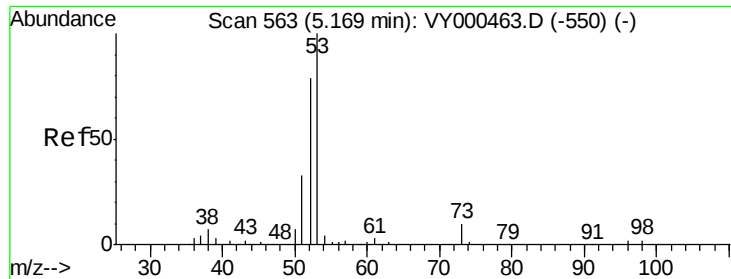
MMDadoda
10/30/2019 11:00:02 AM



#14
Allyl chloride
Concen: 50.357 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	67.8	54.0	81.0
76	76	36.8	30.7	46.1





#15

Acrylonitrile

Concen: 269.177 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

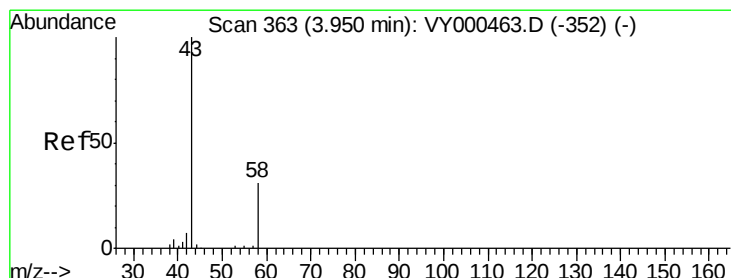
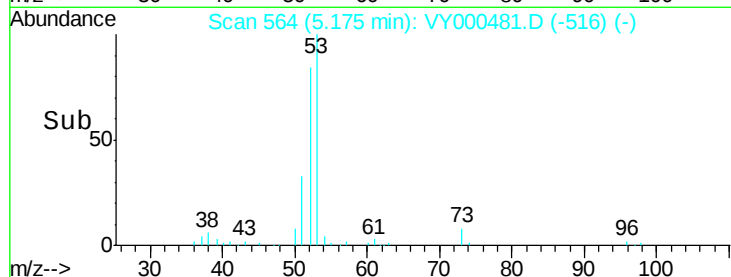
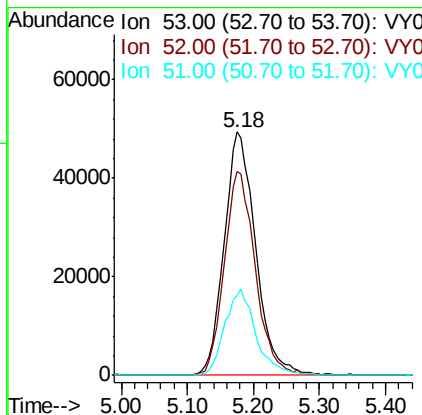
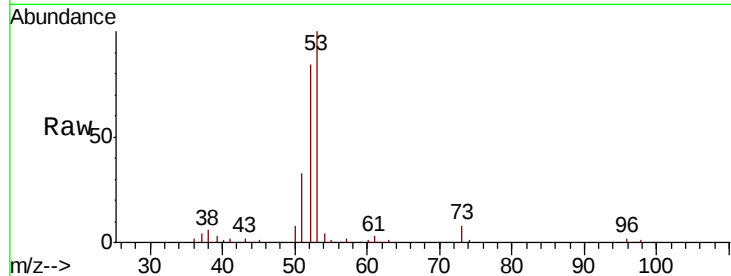
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	163254
Ion	Ratio	Lower	Upper
53	100		
52	82.1	62.9	94.3
51	35.2	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 242.192 ug/l

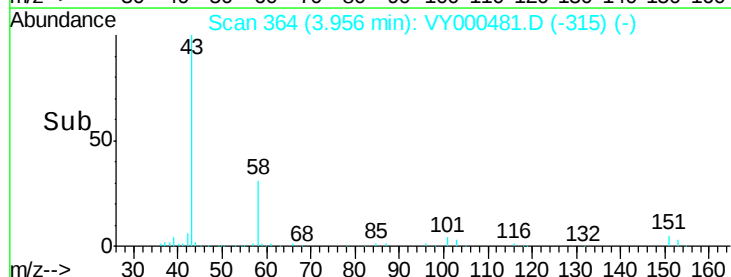
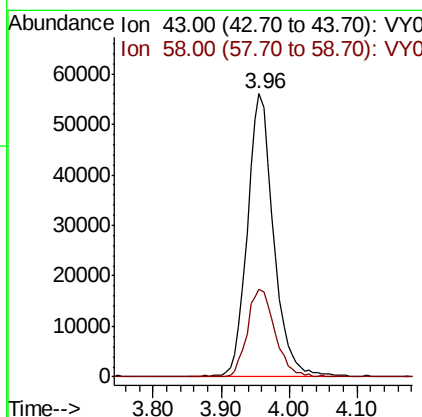
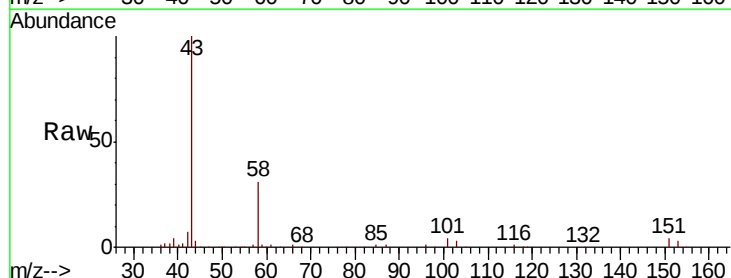
RT: 3.96 min Scan# 364

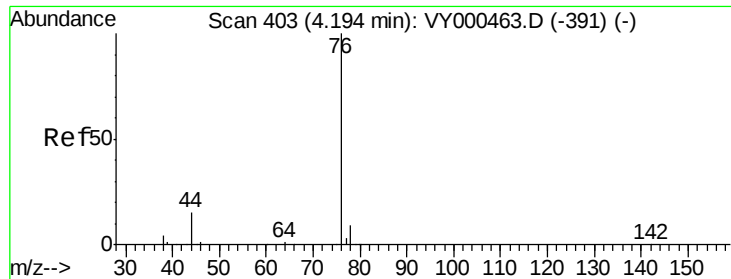
Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	43	Resp:	150430
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.8	38.6





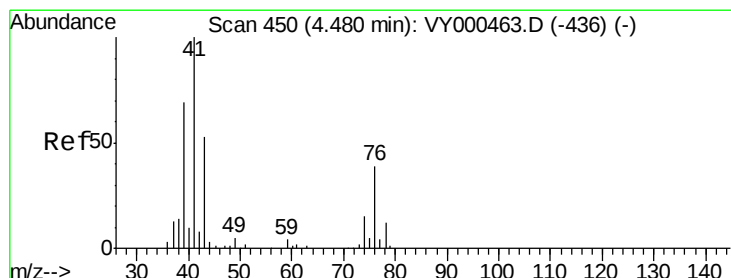
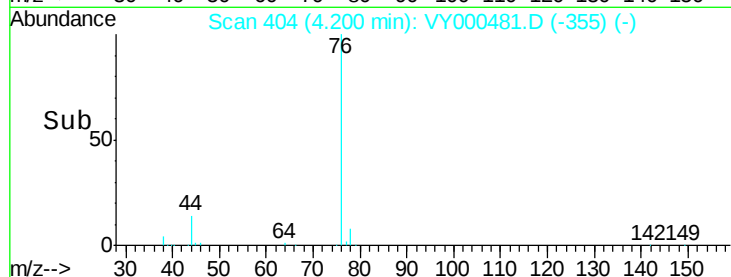
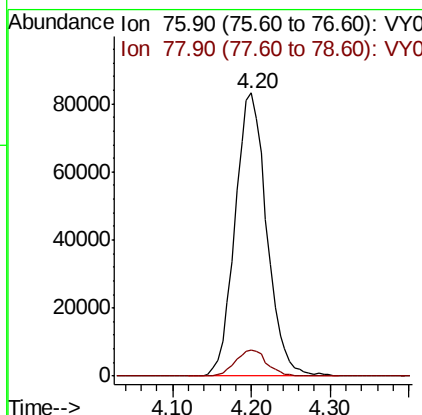
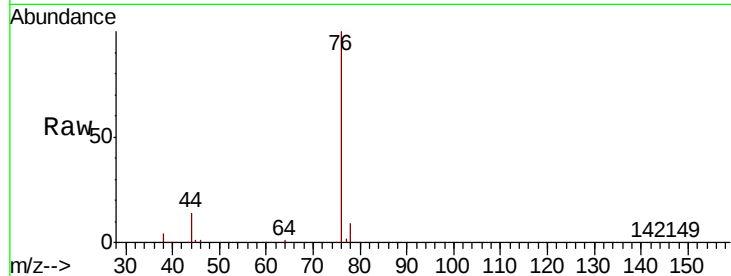
#17
Carbon Disulfide
Concen: 40.154 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

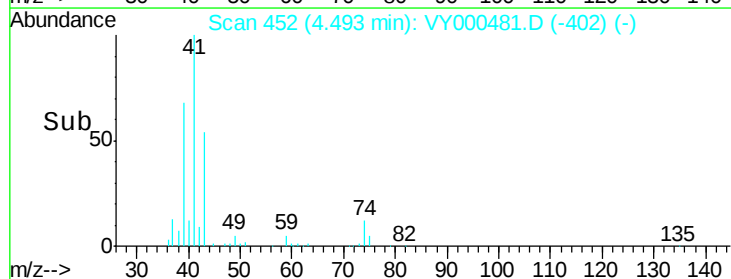
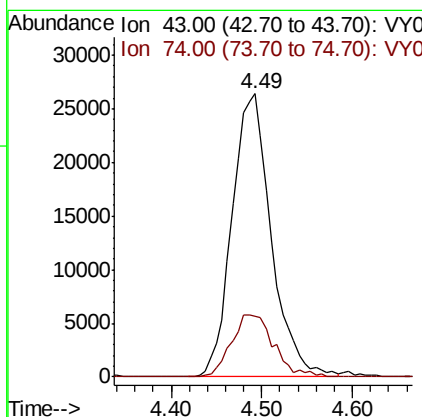
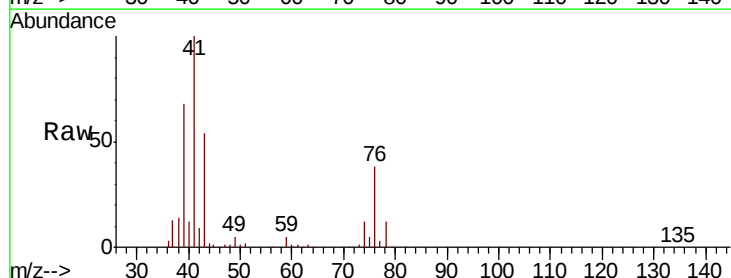
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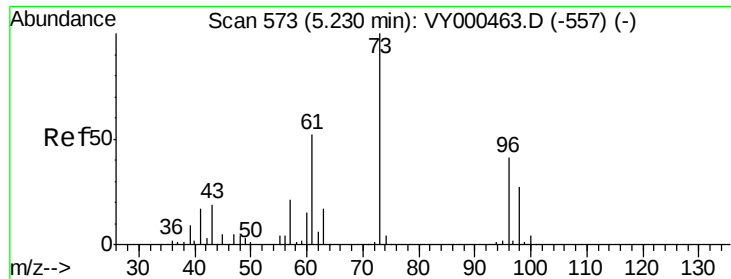
MMDadoda
10/30/2019 11:00:02 AM



#18
Methyl Acetate
Concen: 51.323 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.4	30.6





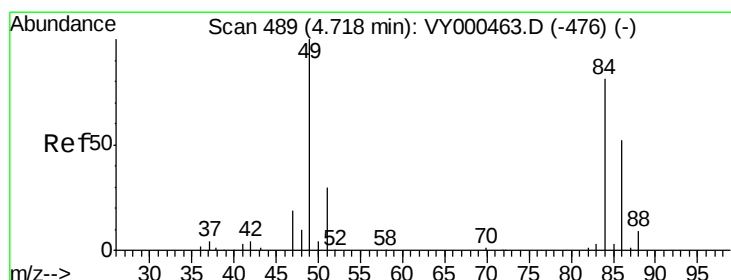
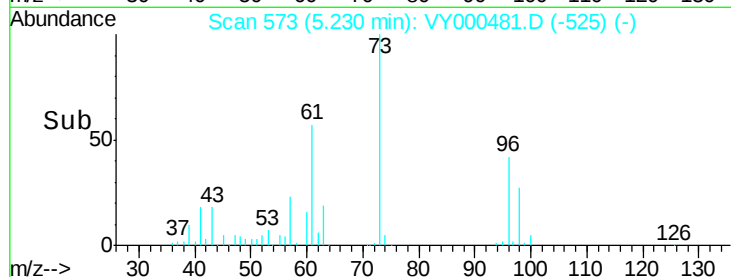
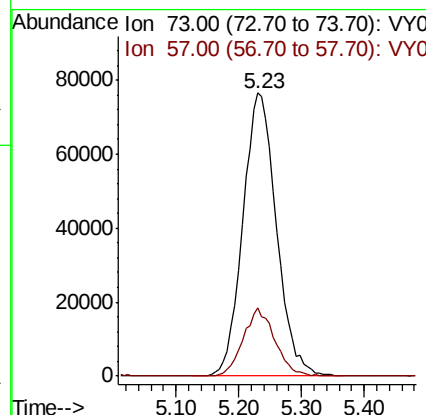
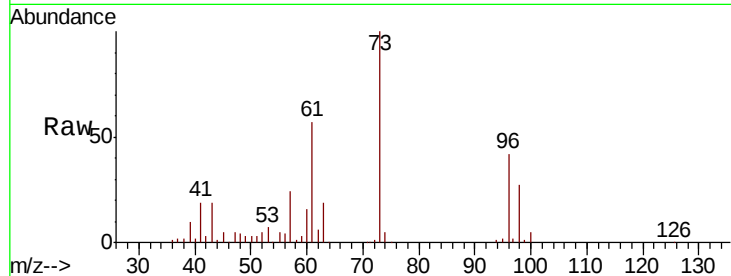
#19
Methvl tert-butvl Ether
Concen: 55.361 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 283013
Ion Ratio Lower Upper
73 100
57 24.0 17.4 26.0

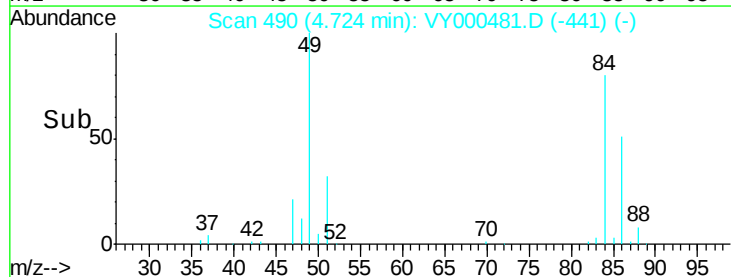
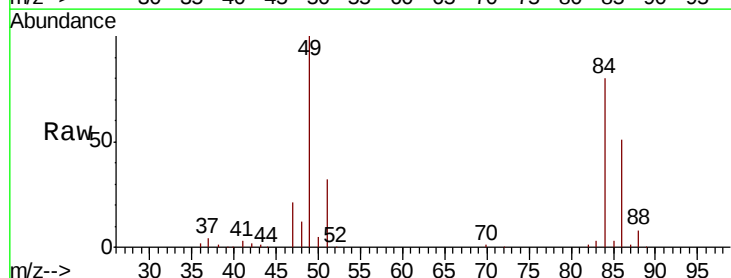
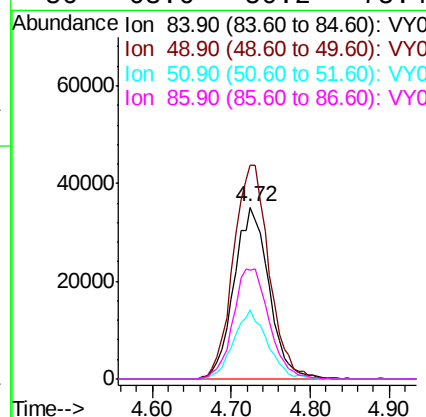
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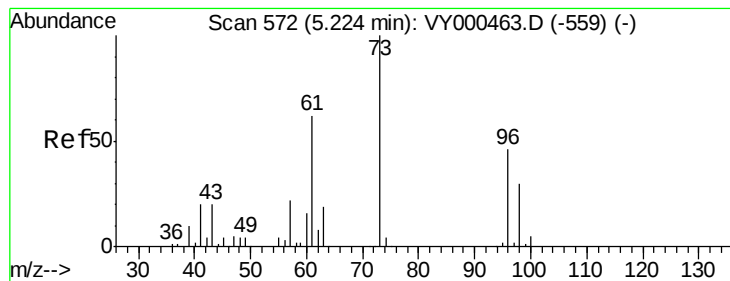
MMDadoda
10/30/2019 11:00:02 AM



#20
Methylene Chloride
Concen: 51.968 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion: 84 Resp: 108309
Ion Ratio Lower Upper
84 100
49 124.4 99.0 148.4
51 39.9 29.3 43.9
86 63.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.159 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 101465

Ion Ratio Lower Upper

96 100

61 133.9 100.4 150.6

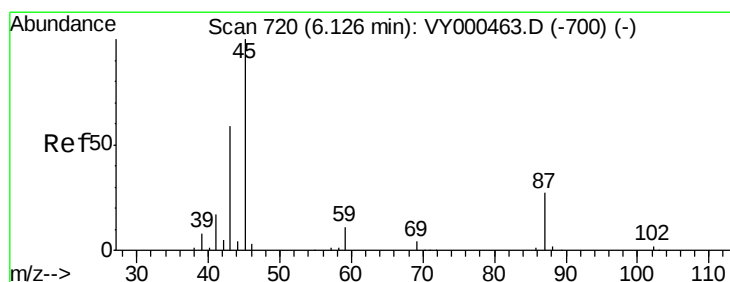
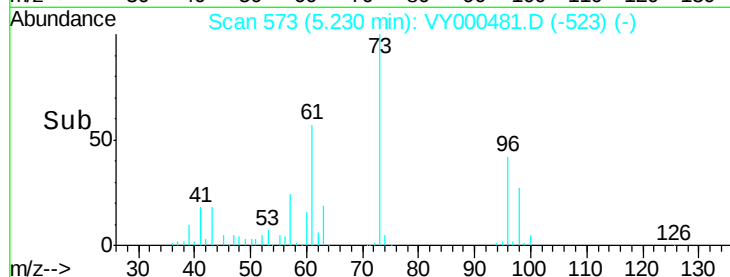
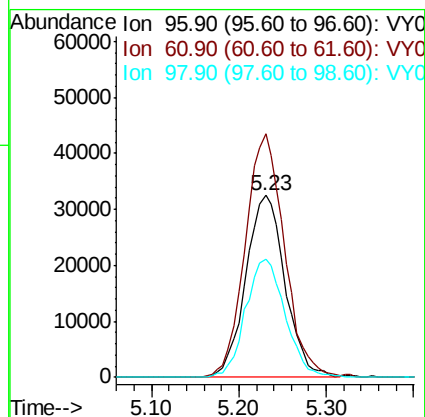
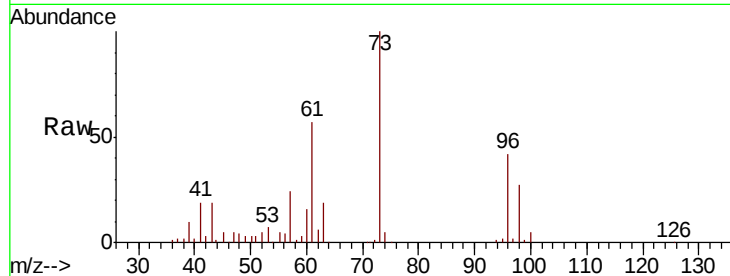
98 64.7 44.6 66.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.895 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion: 45 Resp: 359764

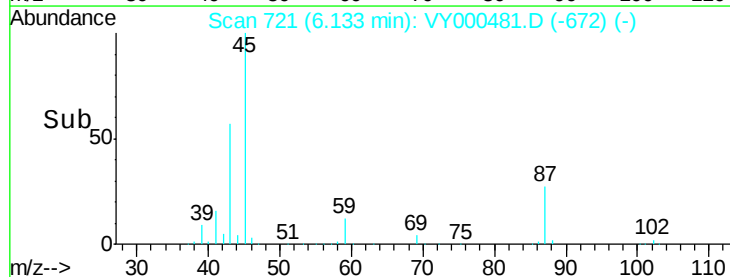
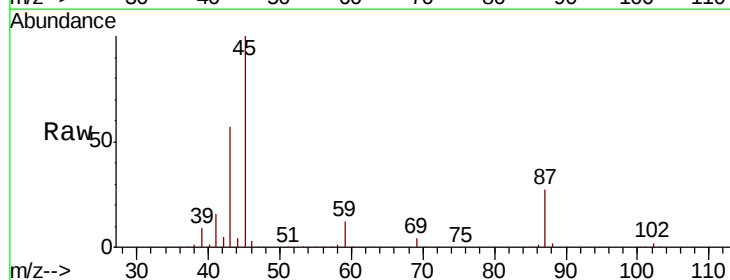
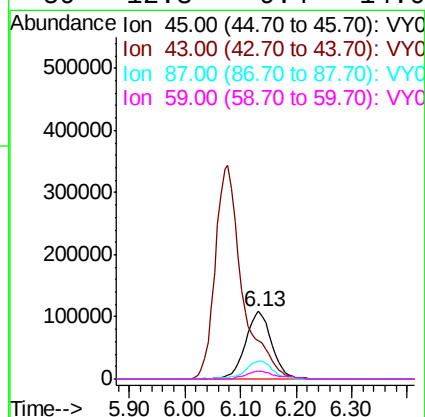
Ion Ratio Lower Upper

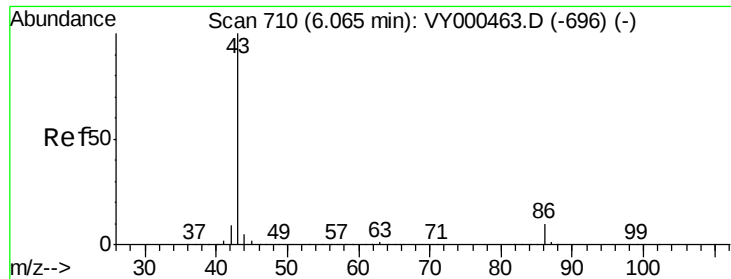
45 100

43 57.1 48.5 72.7

87 26.7 21.5 32.3

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 276.276 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1160104

Ion Ratio Lower Upper

43 100

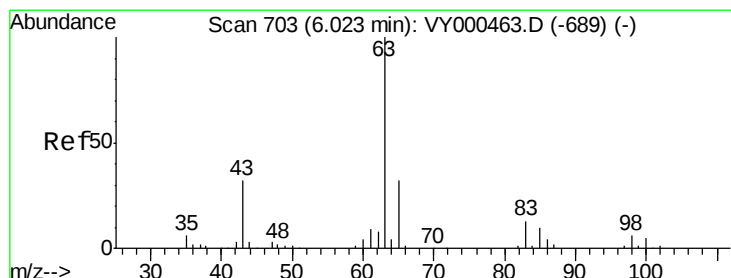
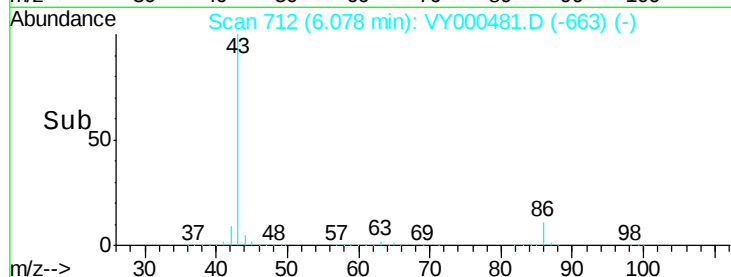
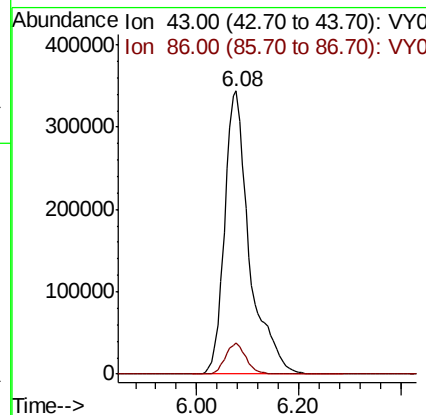
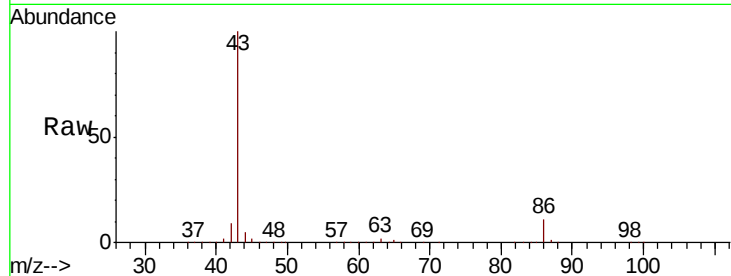
86 11.0 8.6 13.0

Manual Integrations

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MMDadoda

10/30/2019 11:00:02 AM



#24

1,1-Dichloroethane

Concen: 52.404 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

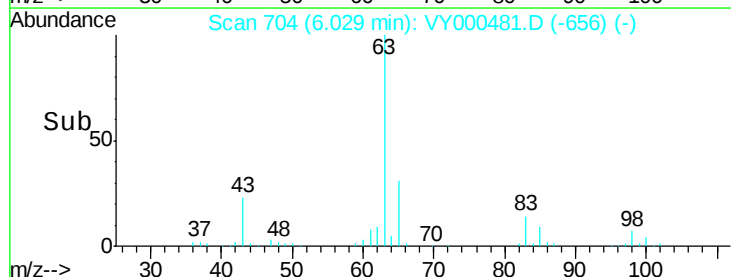
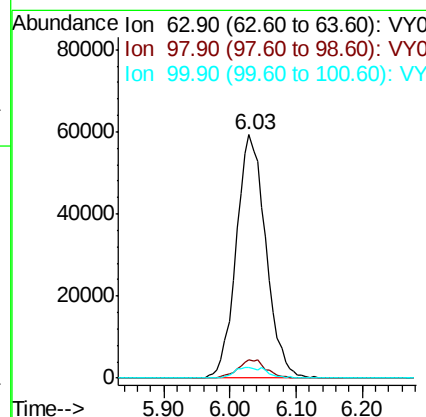
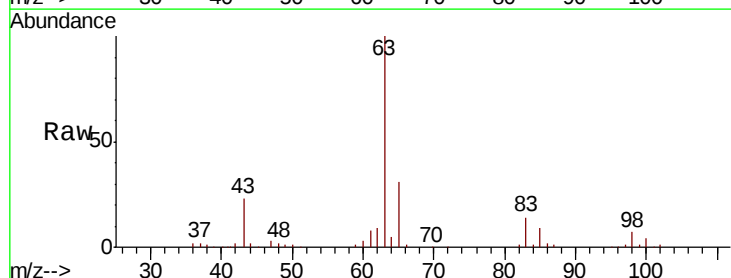
Tgt Ion: 63 Resp: 184110

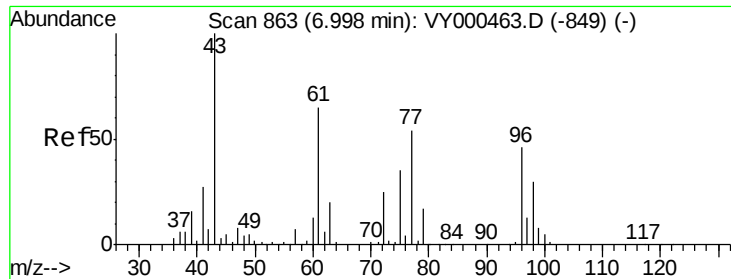
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 269.227 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 235563

Ion Ratio Lower Upper

43 100

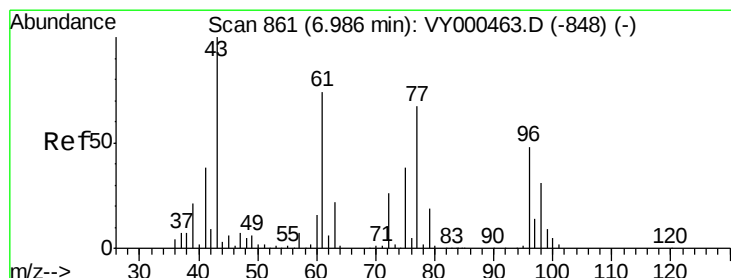
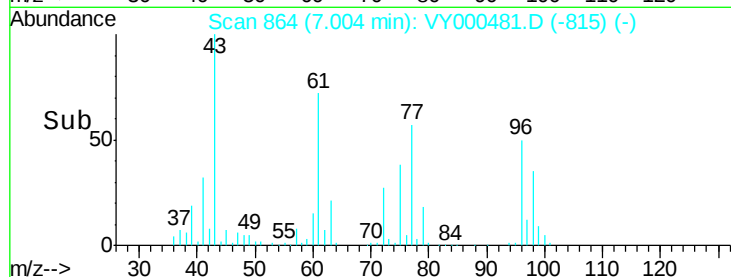
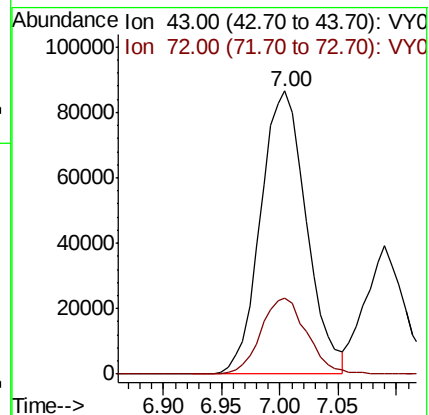
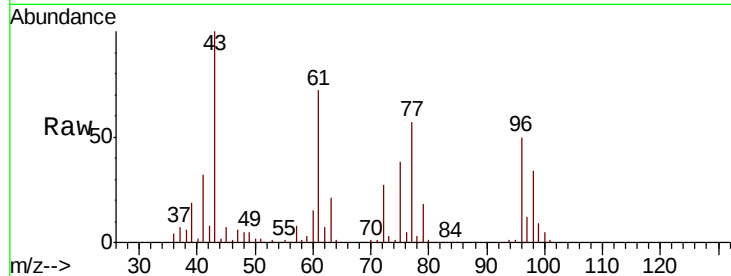
72 26.9 21.4 32.2

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#26

2,2-Dichloropropane

Concen: 50.466 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000481.D

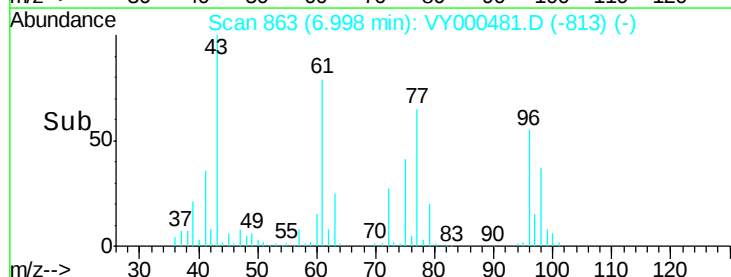
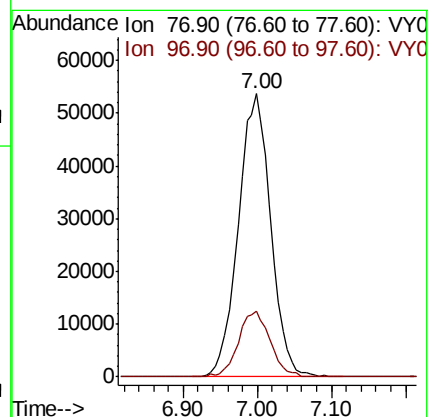
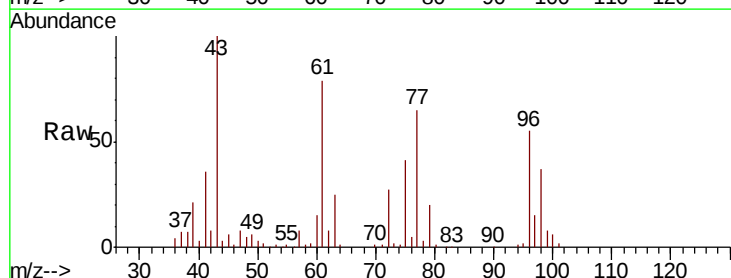
Acq: 29 Oct 2019 17:47

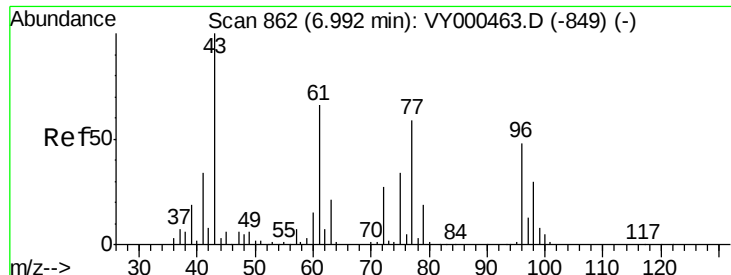
Tgt Ion: 77 Resp: 163376

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

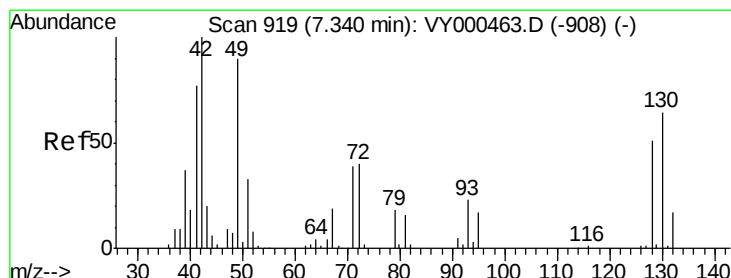
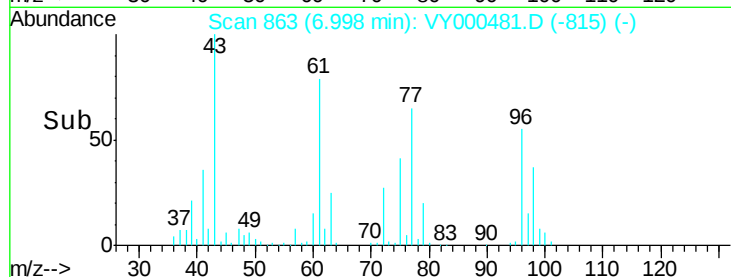
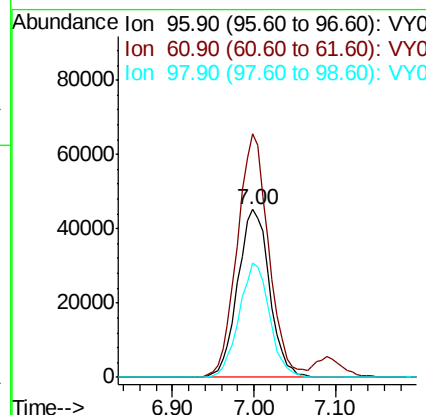
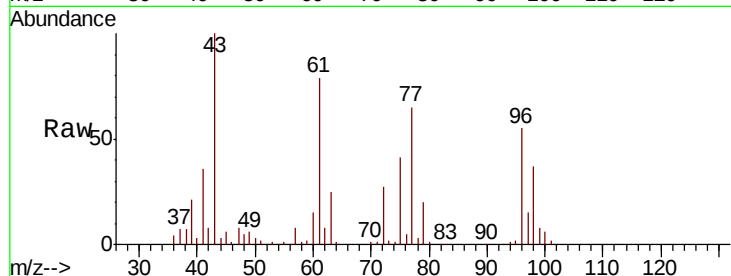
cis-1,2-Dichloroethene
 Concen: 53.488 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121942		
61	143.1	0.0	289.8	
98	65.1	0.0	131.8	

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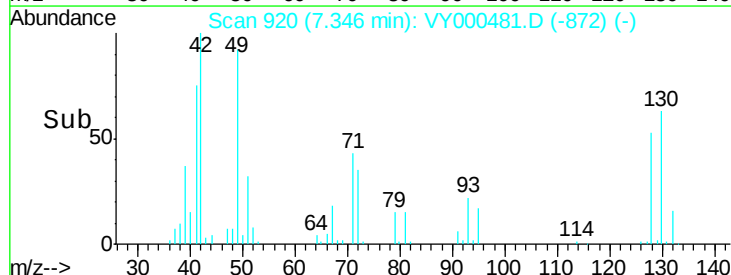
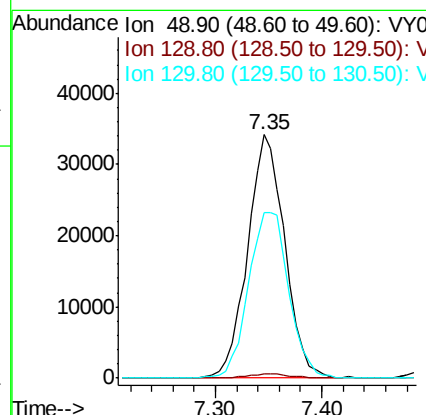
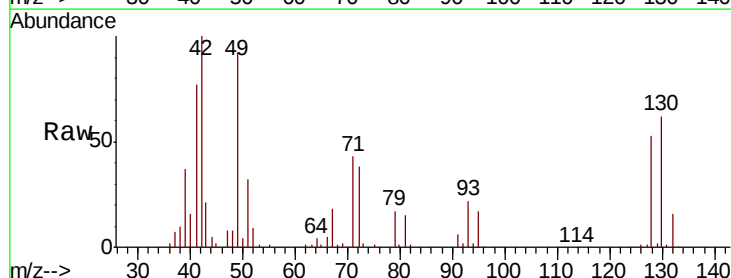
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 10/30/2019 11:00:02 AM

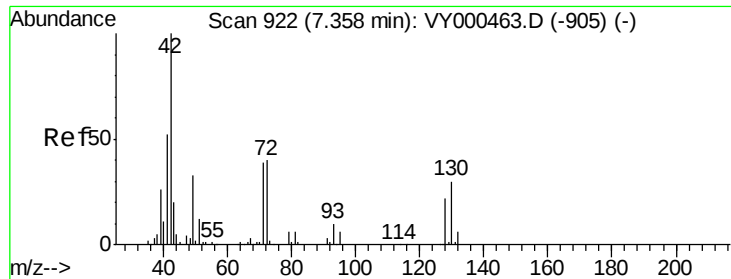


#28

Bromochloromethane
 Concen: 55.369 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83507		
129	2.0	0.0	4.0	
130	74.0	58.2	87.2	





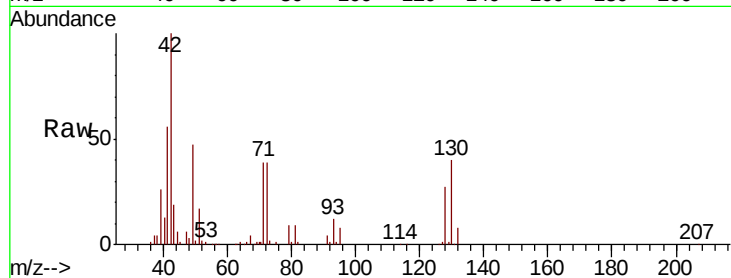
#29
Tetrahydrofuran
Concen: 275.359 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

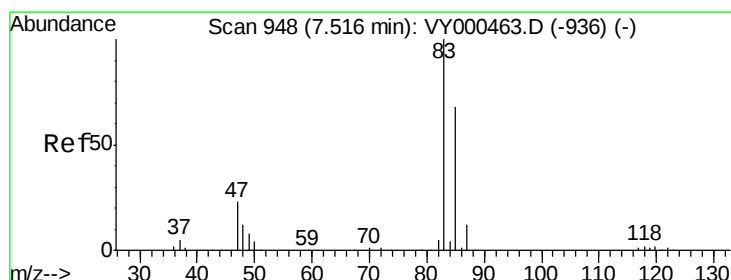
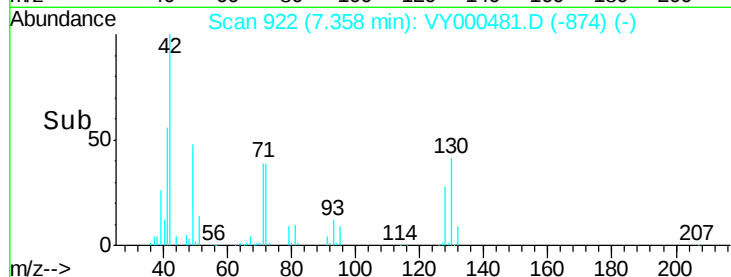
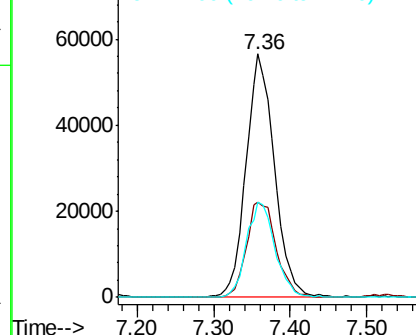
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.5	51.7
71	39.2	32.7	49.1

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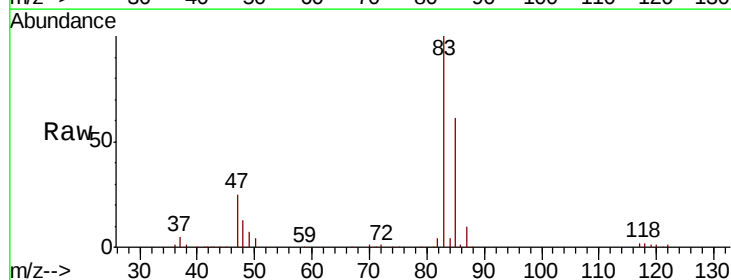


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

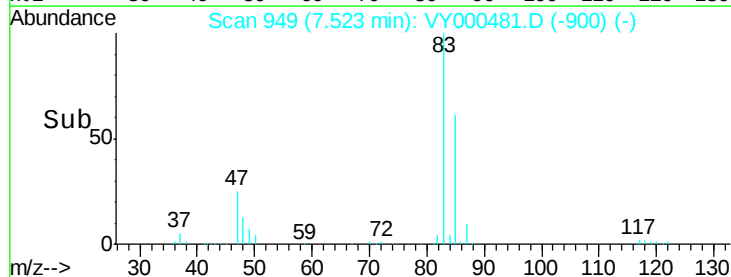
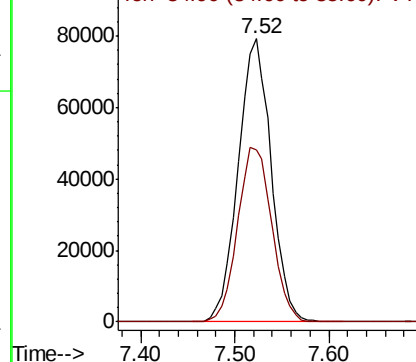


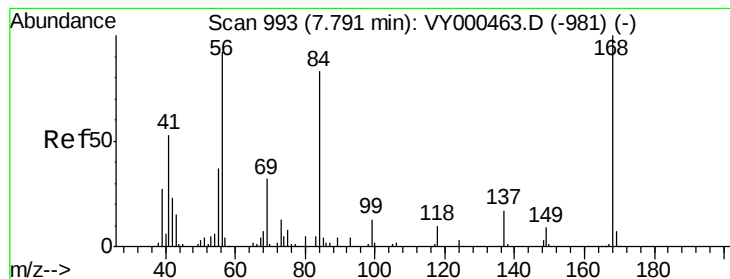
#30
Chloroform
Concen: 54.632 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 44.713 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 164071

Ion Ratio Lower Upper

56 100

69 30.2 26.3 39.5

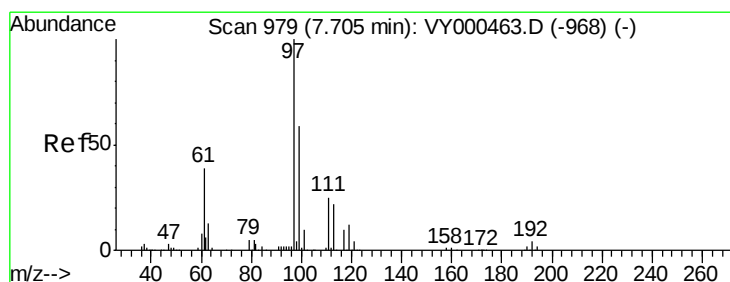
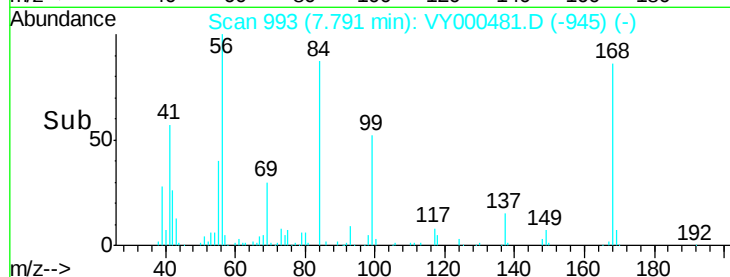
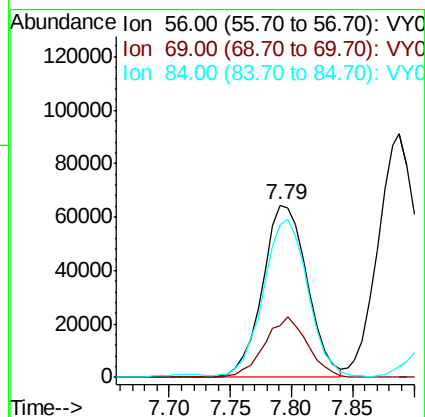
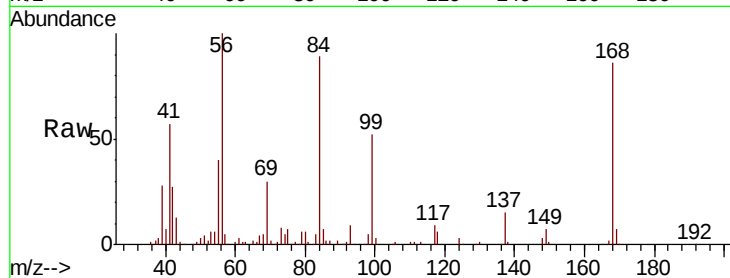
84 87.0 70.8 106.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 53.792 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

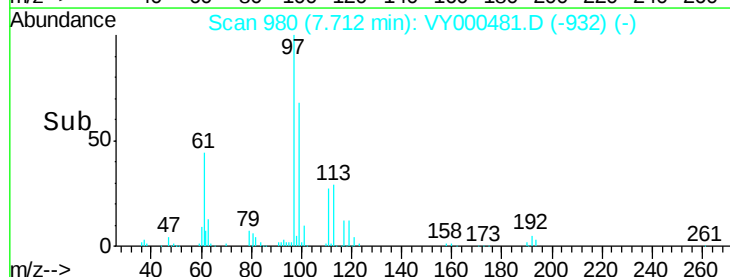
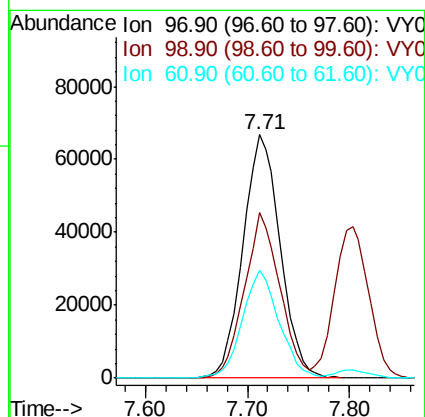
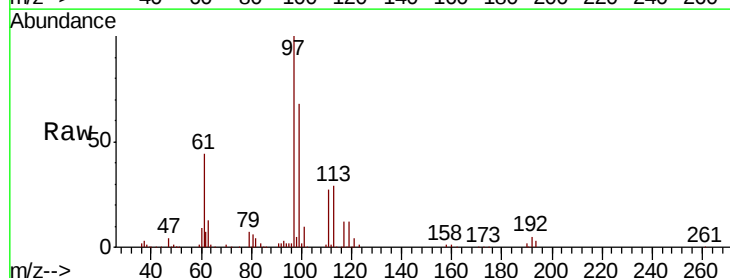
Tgt Ion: 97 Resp: 169204

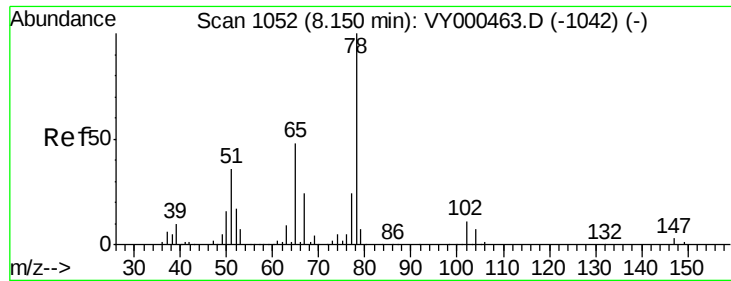
Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 43.5 34.5 51.7





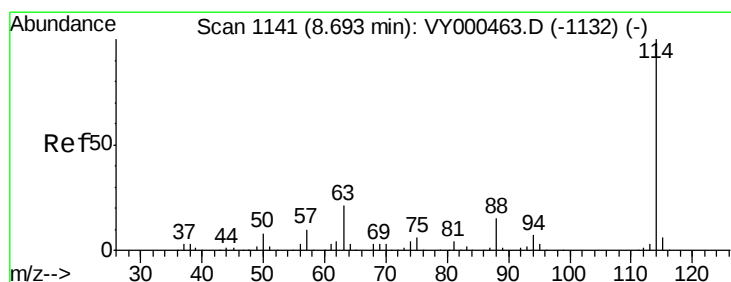
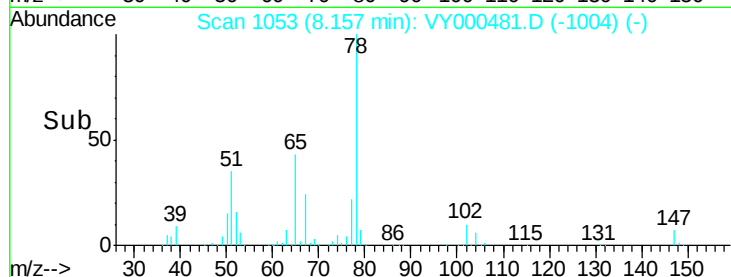
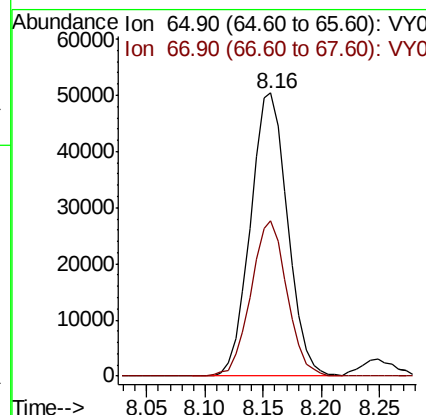
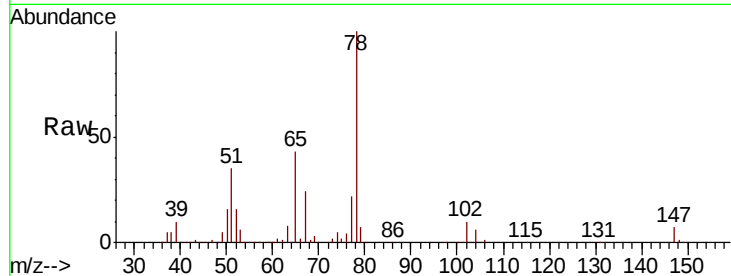
#33
 1,2-Dichloroethane-d4
 Concen: 58.563 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	109.4

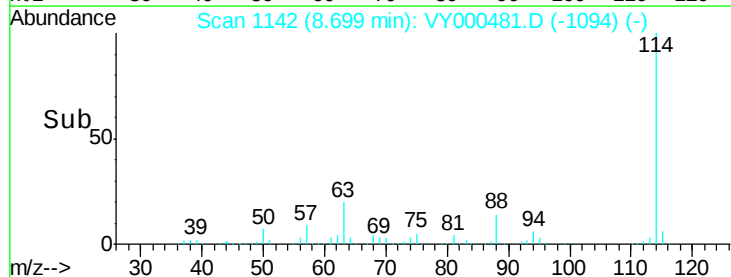
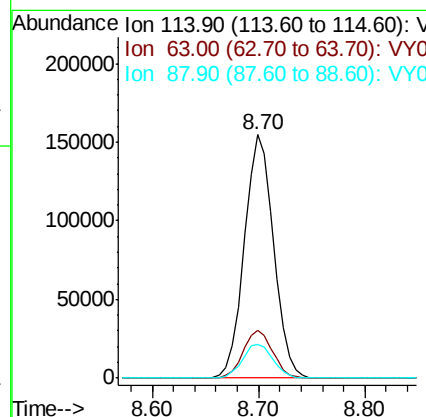
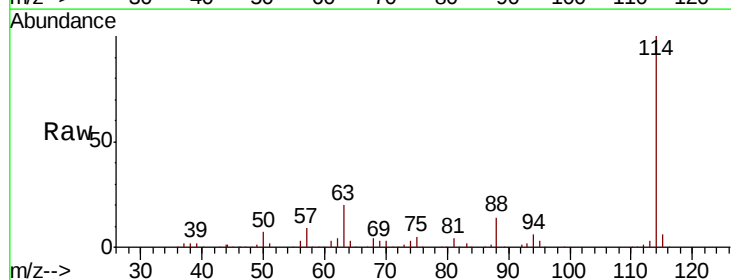
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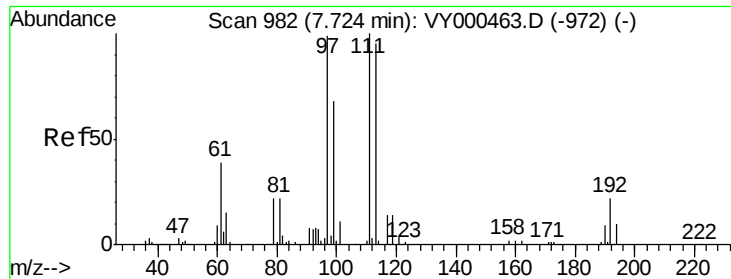
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 10/30/2019 11:00:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.2
88	13.8	0.0	30.2





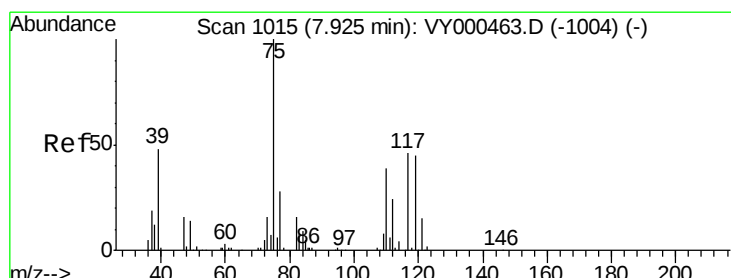
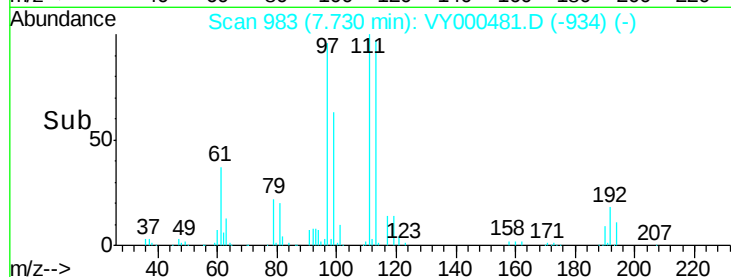
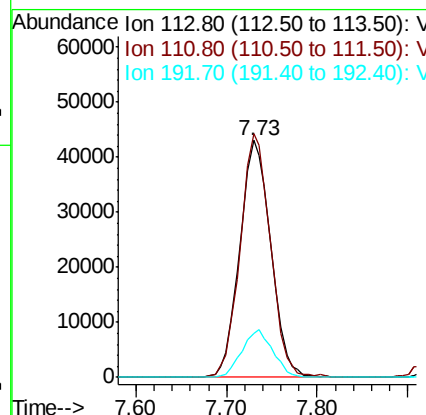
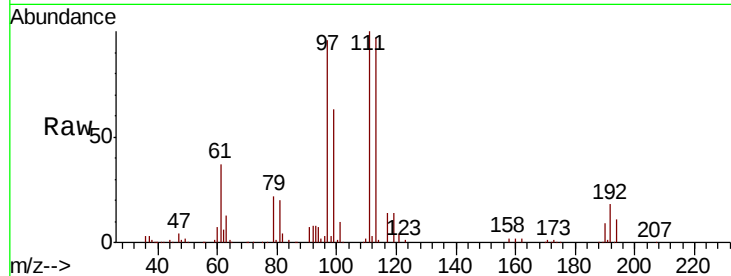
#35
Dibromofluoromethane
Concen: 56.659 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.6	122.4
192	20.1	15.3	22.9

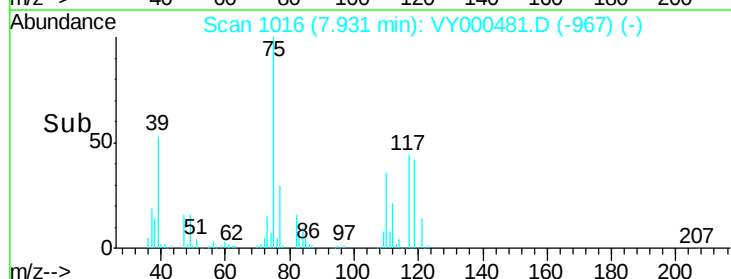
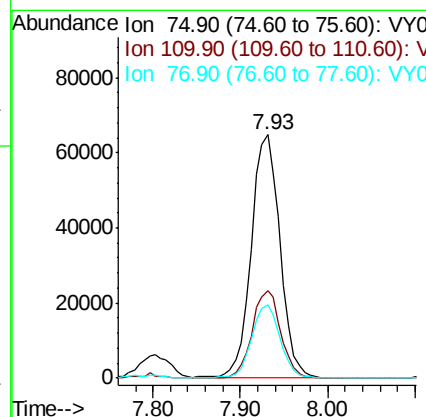
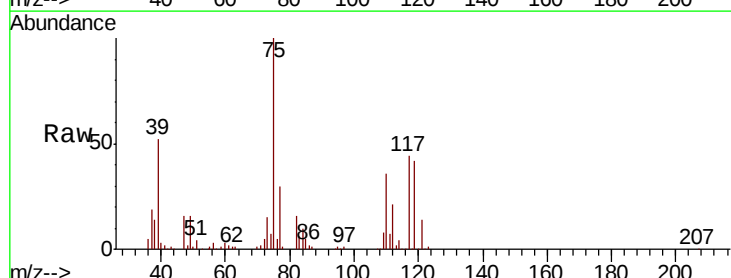
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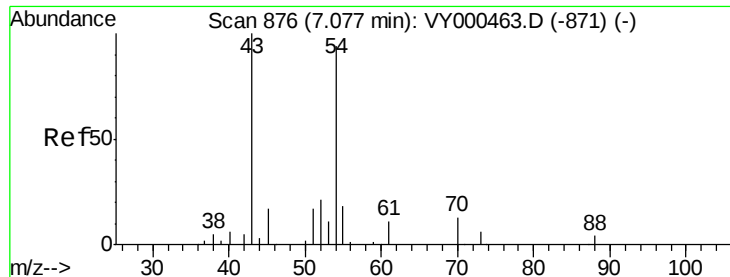
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#36
1,1-Dichloropropene
Concen: 50.391 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.4	55.4
77	30.0	25.0	37.6





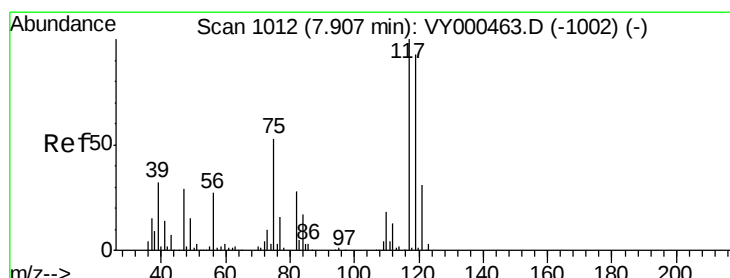
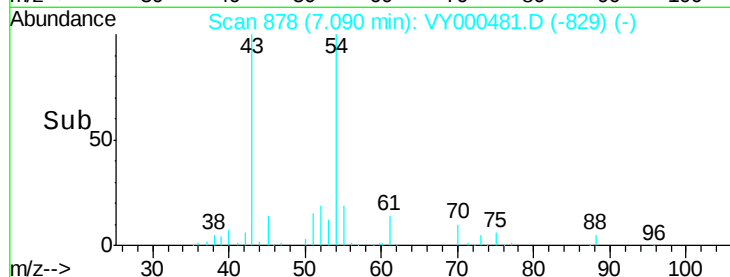
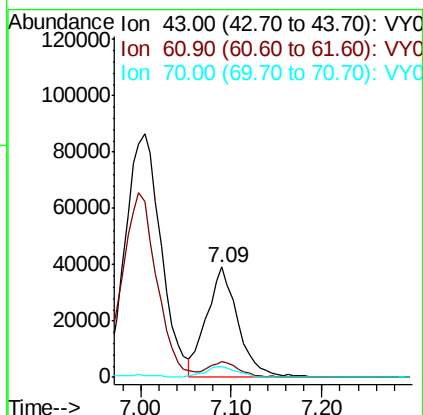
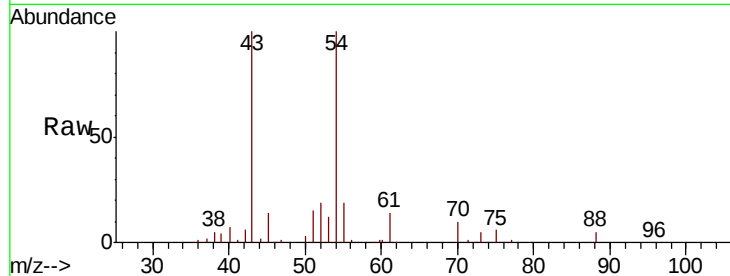
#37
Ethyl Acetate
Concen: 55.013 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.1	18.1
70	10.0	8.7	13.1

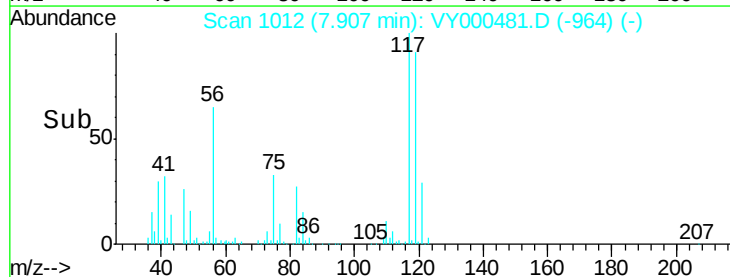
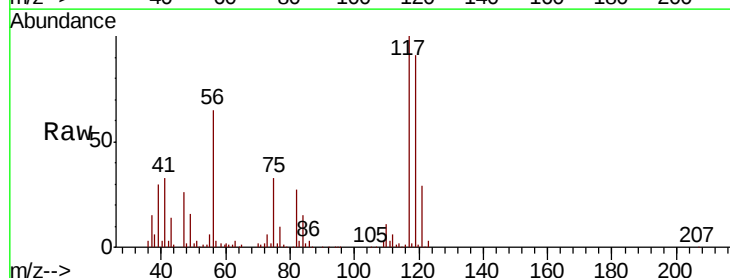
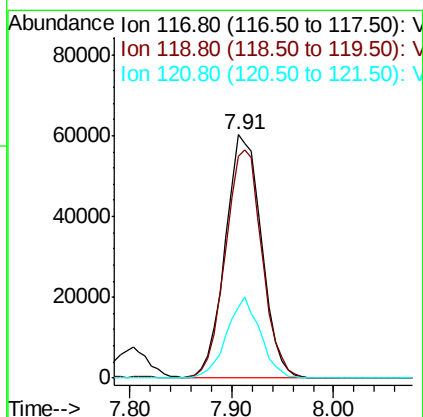
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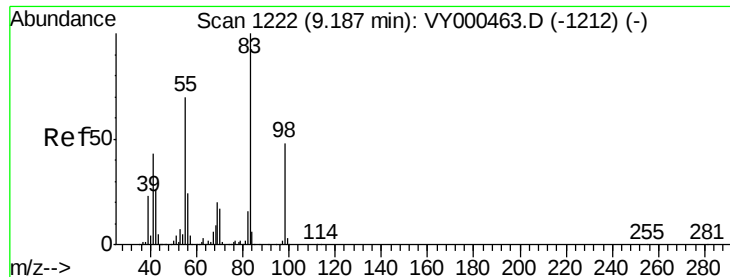
MMDadoda
10/30/2019 11:00:02 AM



#38
Carbon Tetrachloride
Concen: 52.361 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	72.8	109.2
121	28.9	22.2	33.2





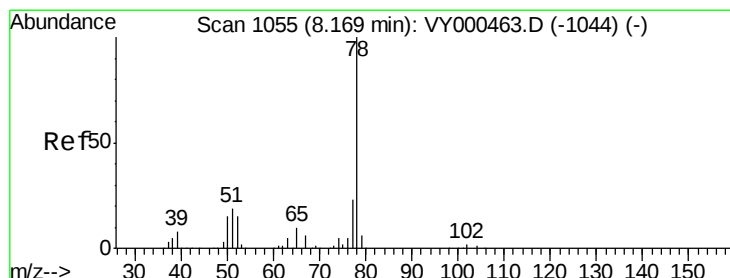
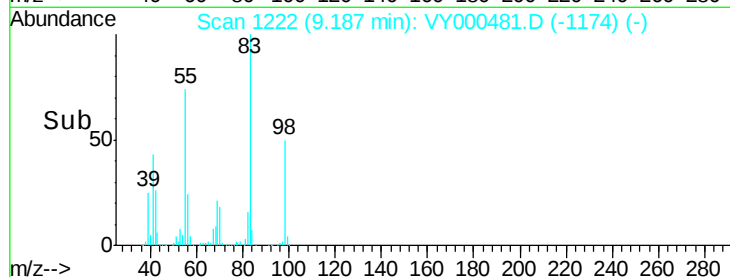
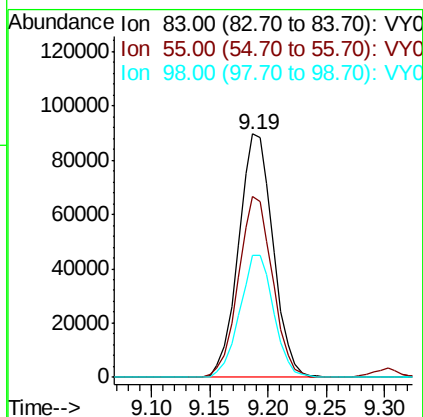
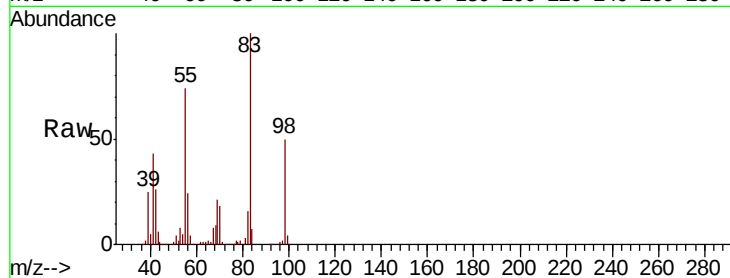
#39
Methvlcvclohexane
Concen: 48.227 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	60.9	91.3
98	50.1	41.8	62.6

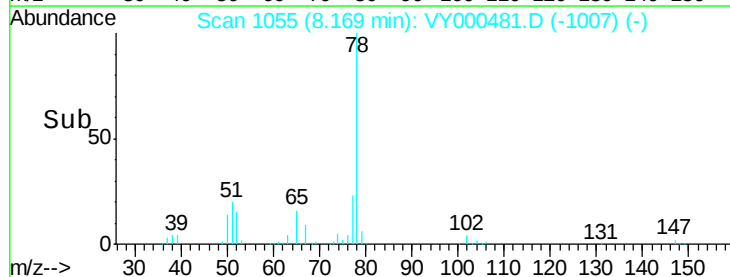
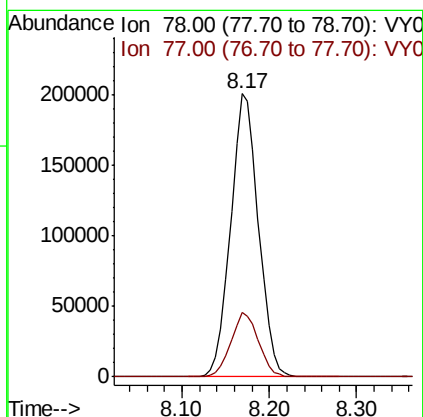
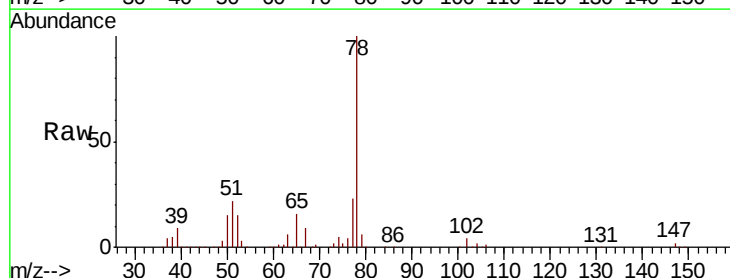
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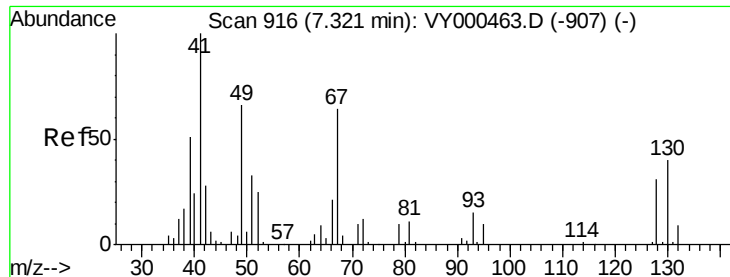
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#40
Benzene
Concen: 52.277 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





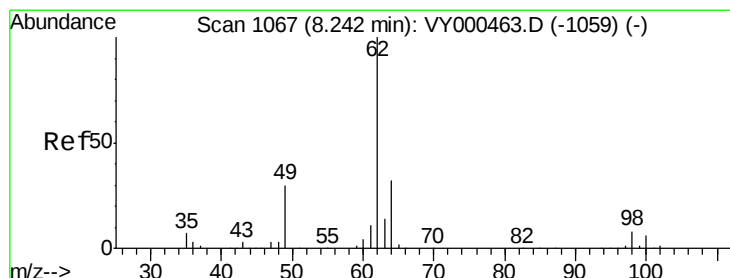
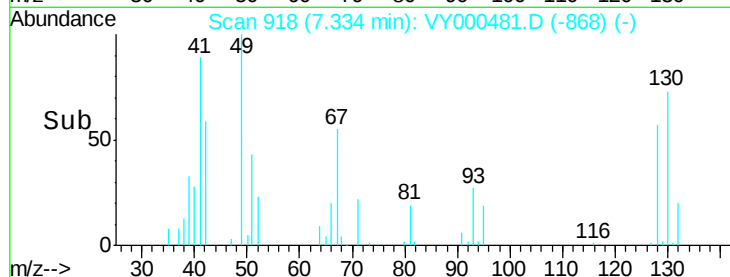
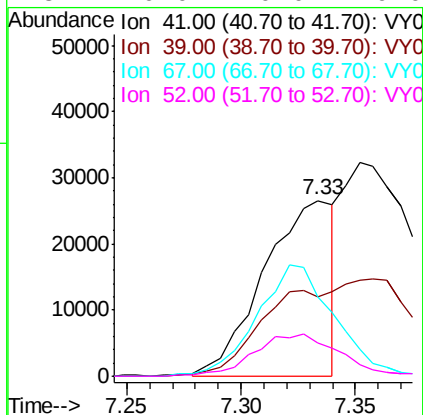
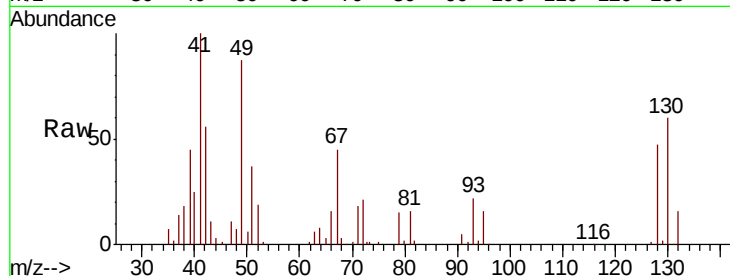
#41
Methacrylonitrile
Concen: 69.006 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

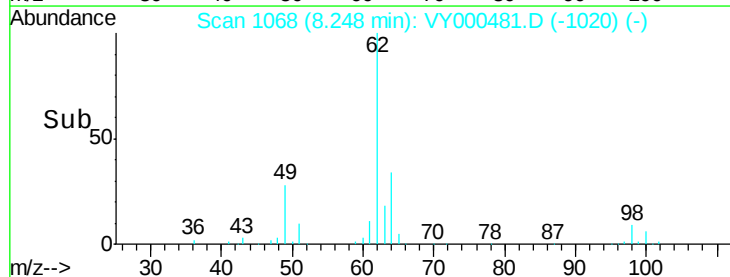
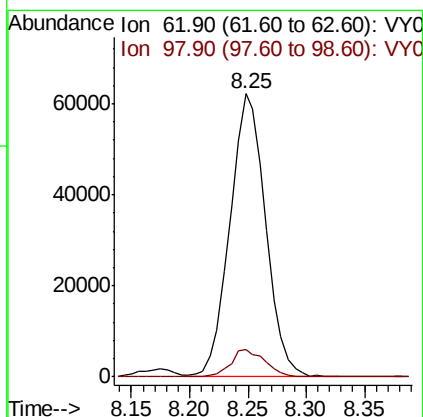
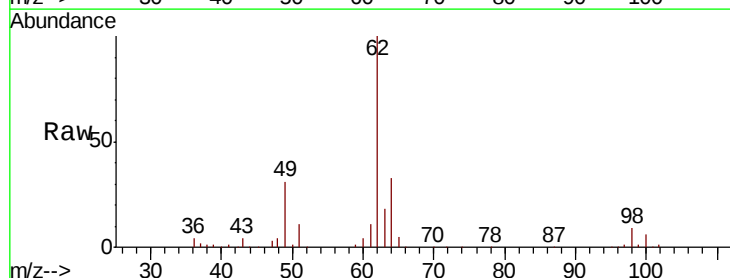
Manual Integrations
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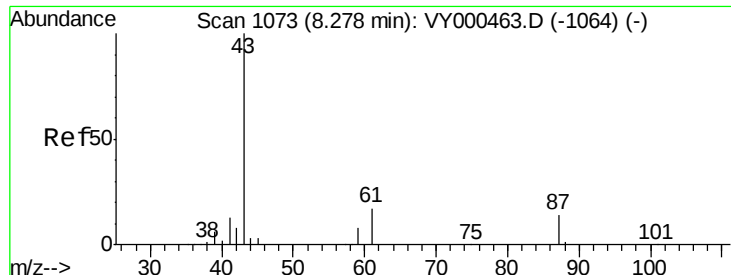
MMDadoda
10/30/2019 11:00:02 AM



#42
1,2-Dichloroethane
Concen: 54.927 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 56.814 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

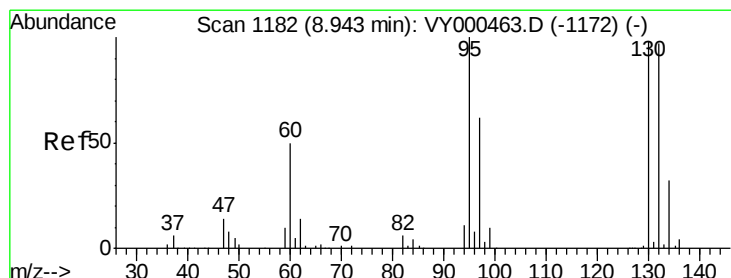
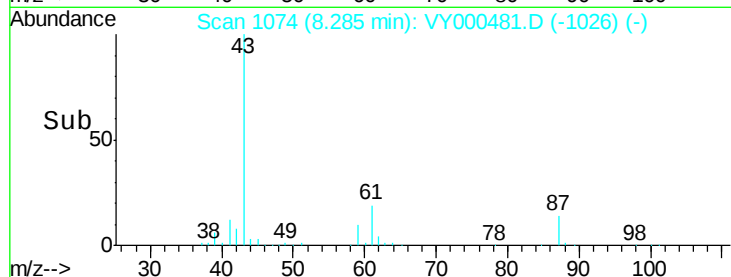
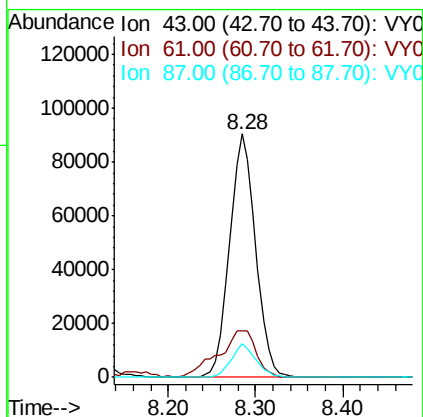
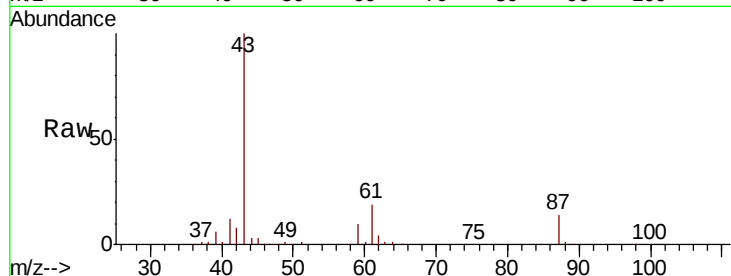
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	187190
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.3	33.5
87	13.0	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
10/30/2019 11:00:02 AM



#44

Trichloroethene

Concen: 50.027 ug/l

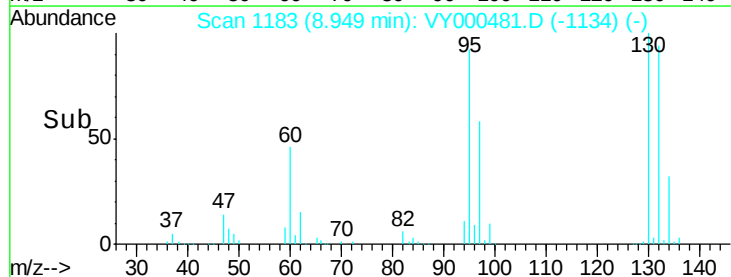
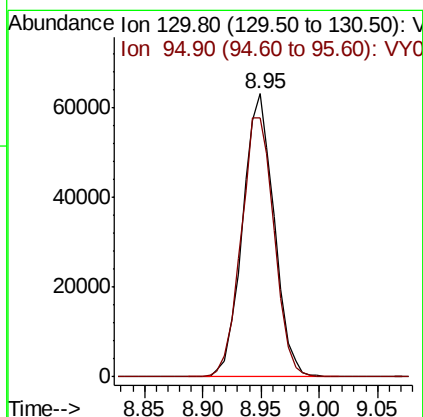
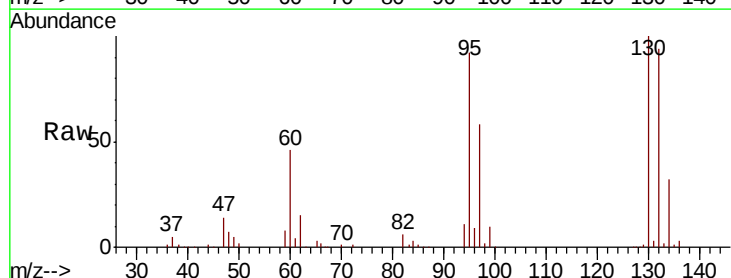
RT: 8.95 min Scan# 1183

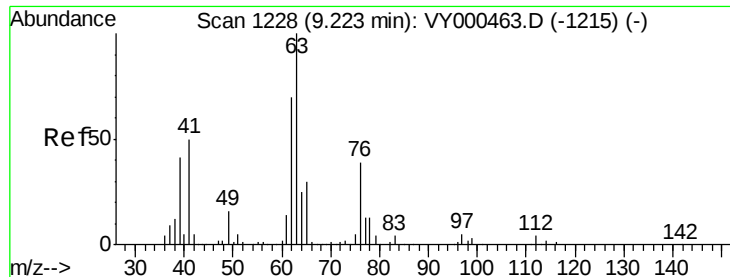
Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	130	Resp:	118711
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	191.4





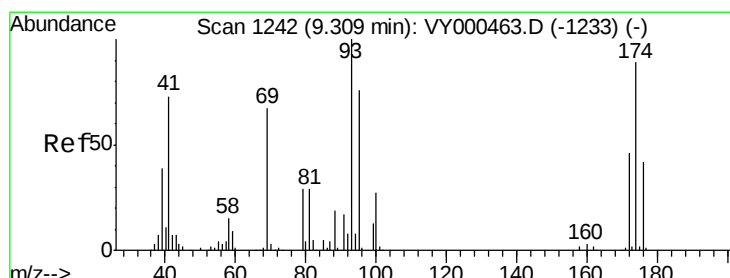
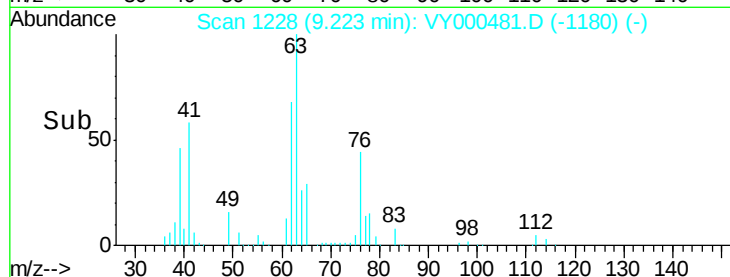
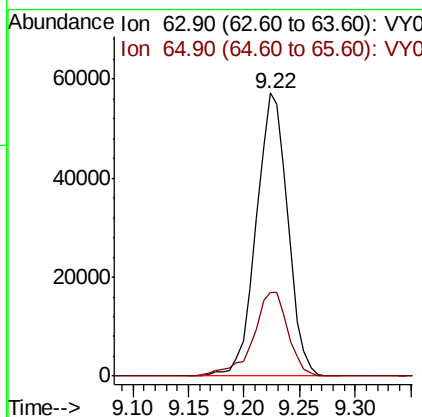
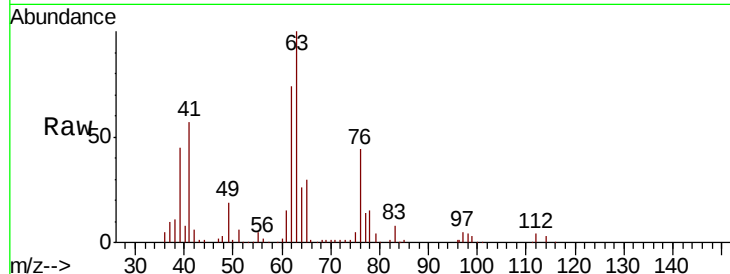
#45
 1,2-Dichloropropane
 Concen: 54.380 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 112860
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.2 34.8

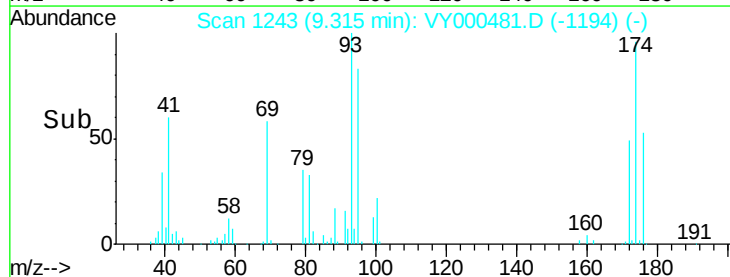
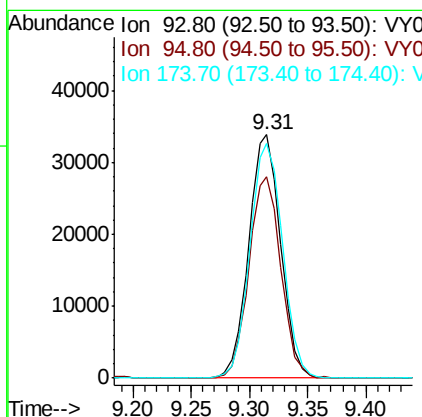
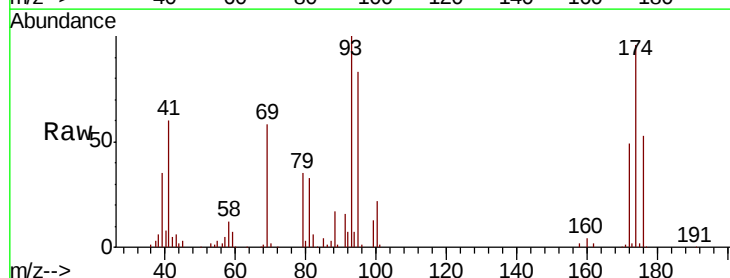
Manual Integrations
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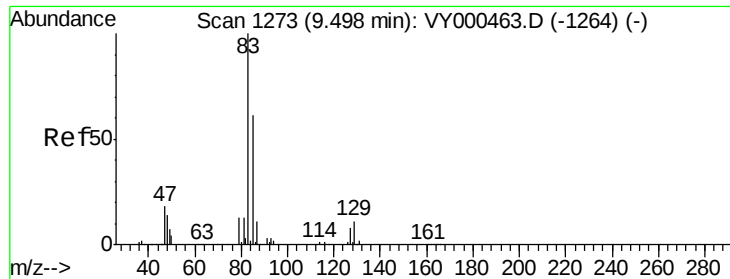
MMDadoda
 10/30/2019 11:00:02 AM



#46
 Dibromomethane
 Concen: 55.740 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion: 93 Resp: 64668
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.2 102.2
 174 98.8 79.8 119.6





#47

Bromodichloromethane

Concen: 55.838 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

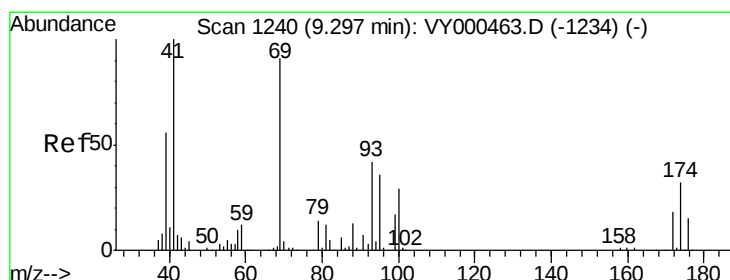
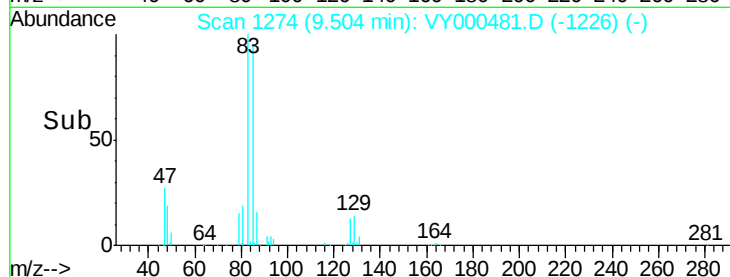
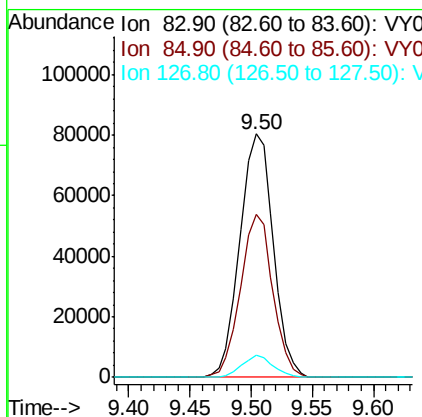
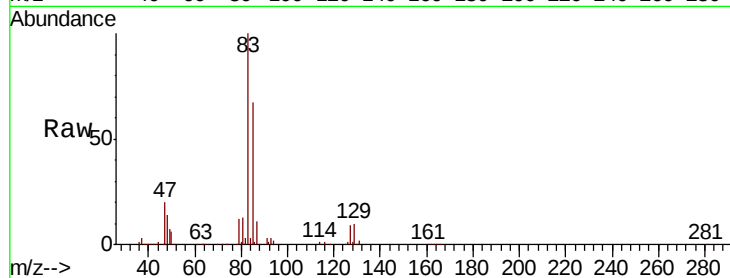
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	152671
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.2
127	9.1	6.3	9.5

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 56.750 ug/l

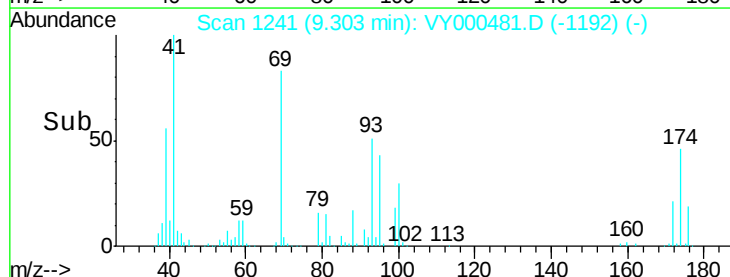
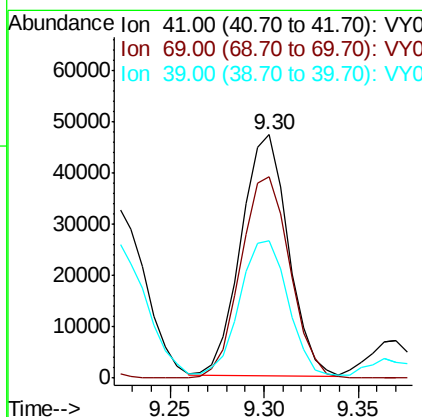
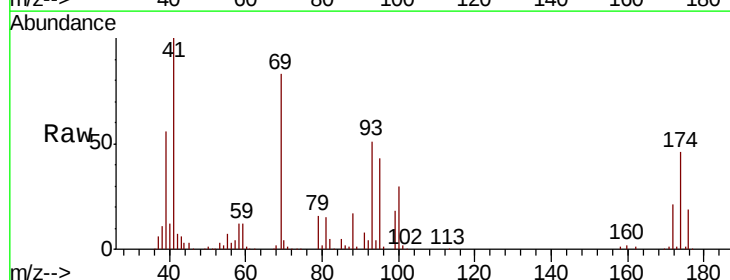
RT: 9.30 min Scan# 1241

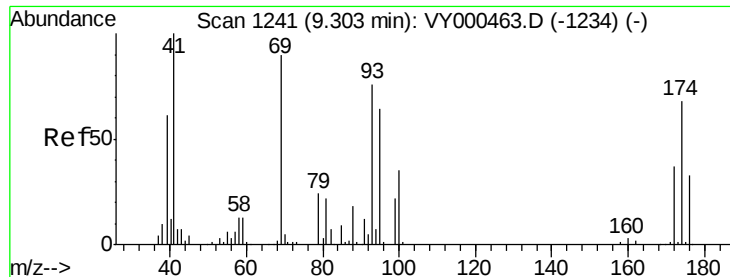
Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	41	Resp:	81944
Ion	Ratio	Lower	Upper
41	100		
69	87.1	70.0	105.0
39	59.4	47.7	71.5





#49

1,4-Dioxane

Concen: 1136.793 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 19775

Ion Ratio Lower Upper

88 100

43 26.8 25.6 38.4

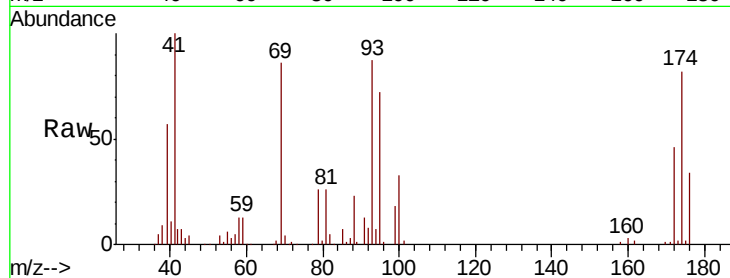
58 59.2 54.6 81.8

Manual Integrations

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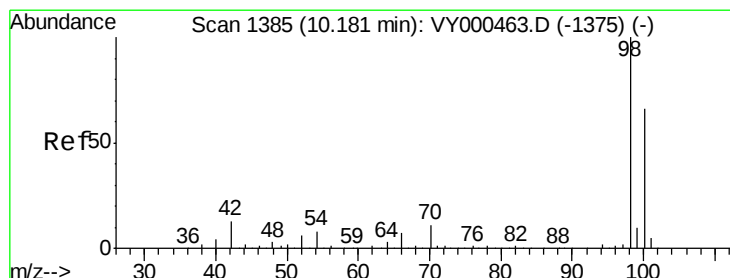
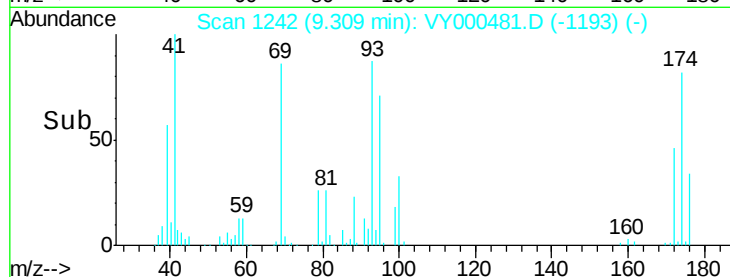
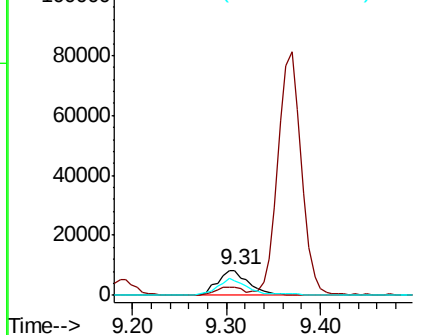
10/30/2019 11:00:02 AM



Abundance Ion 88.00 (87.70 to 88.70): VY000463.D (-1234) (-)

Ion 43.00 (42.70 to 43.70): VY000463.D (-1234) (-)

Ion 58.00 (57.70 to 58.70): VY000463.D (-1234) (-)



#50

Toluene-d8

Concen: 56.105 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000481.D

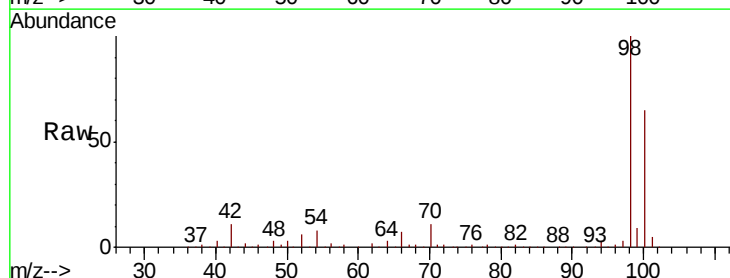
Acq: 29 Oct 2019 17:47

Tgt Ion: 98 Resp: 389124

Ion Ratio Lower Upper

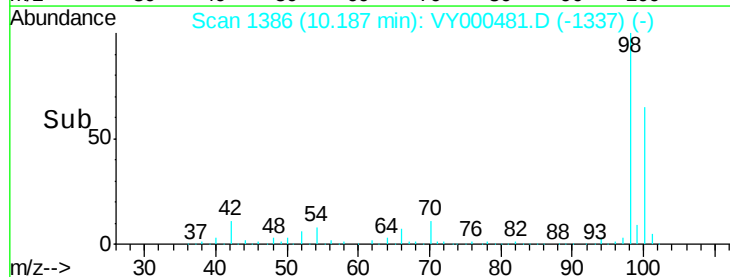
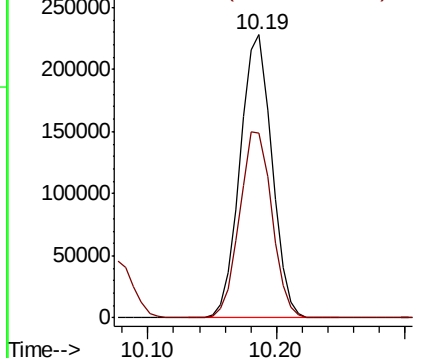
98 100

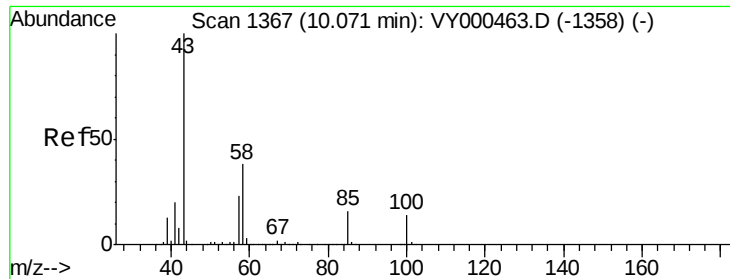
100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000463.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY000463.D (-1375) (-)





#51

4-Methyl-2-Pentanone

Concen: 295.059 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 501408

Ion Ratio Lower Upper

43 100

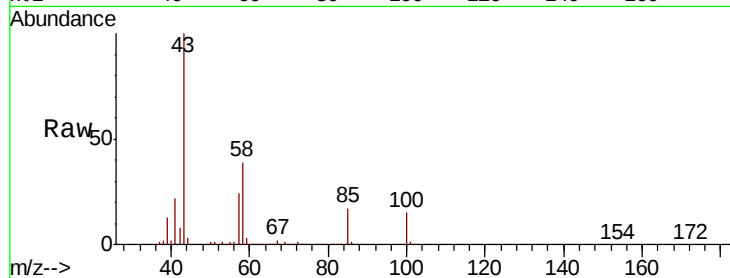
58 38.8 31.0 46.6

Manual Integrations

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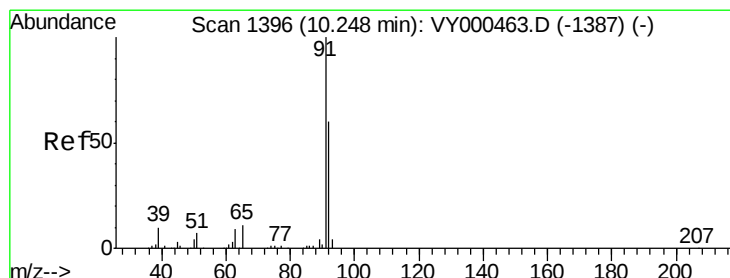
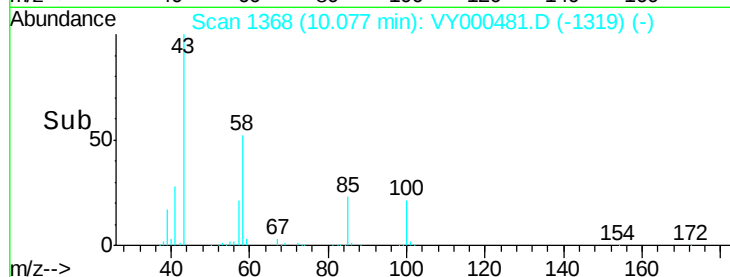
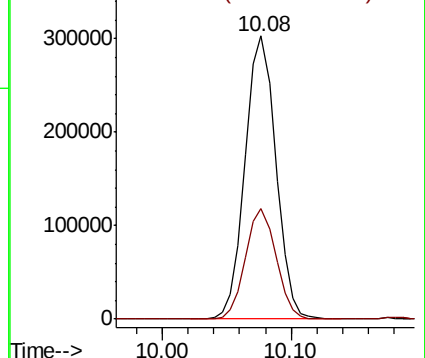
MMDadoda

10/30/2019 11:00:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 53.735 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000481.D

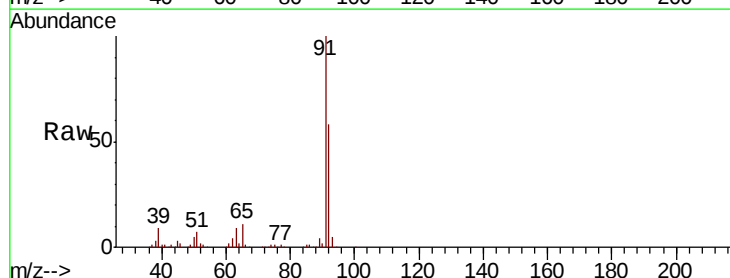
Acq: 29 Oct 2019 17:47

Tgt Ion: 92 Resp: 288521

Ion Ratio Lower Upper

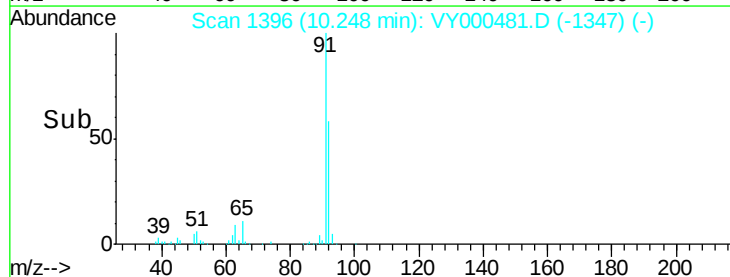
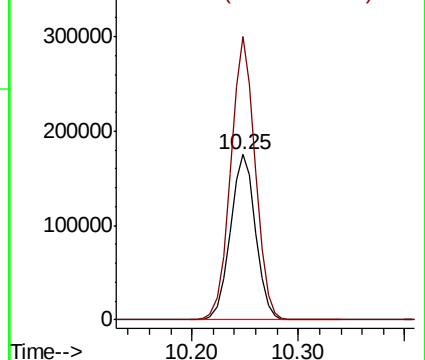
92 100

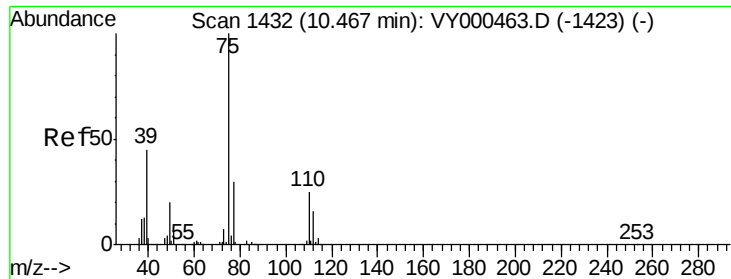
91 167.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





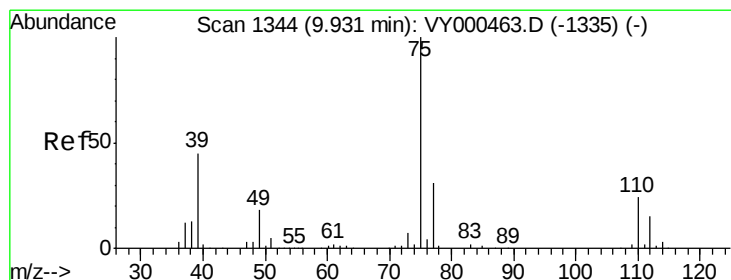
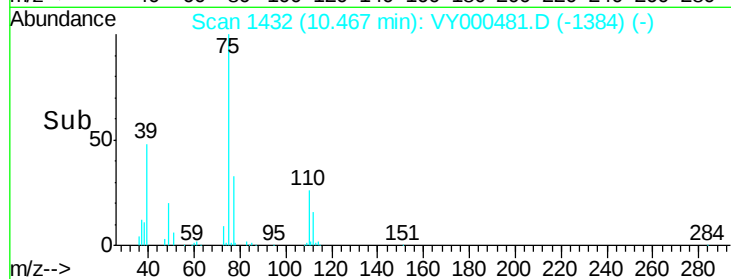
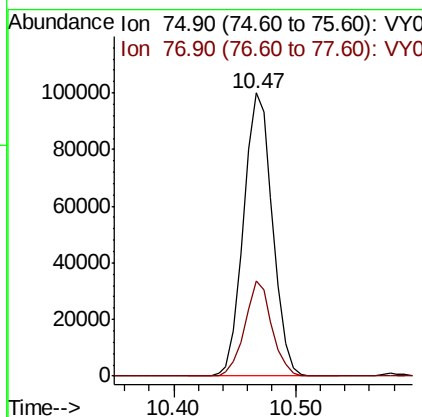
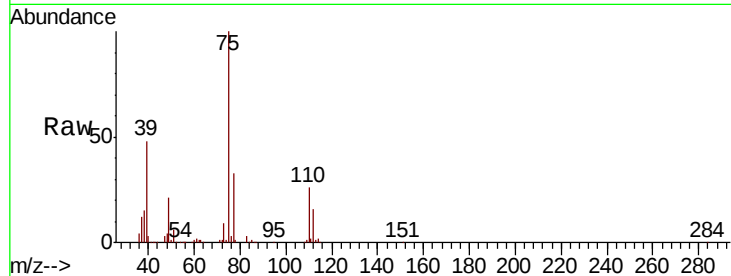
#53
t-1,3-Dichloropropene
Concen: 55.904 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 163812
Ion Ratio Lower Upper
75 100
77 33.4 26.0 39.0

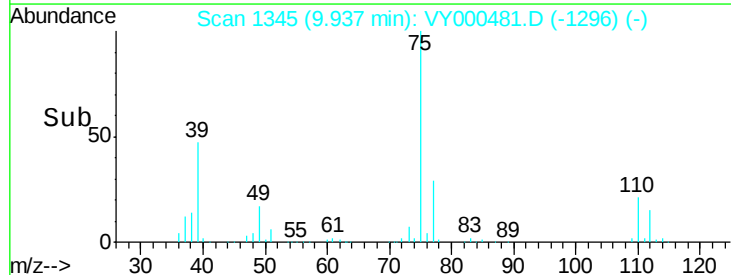
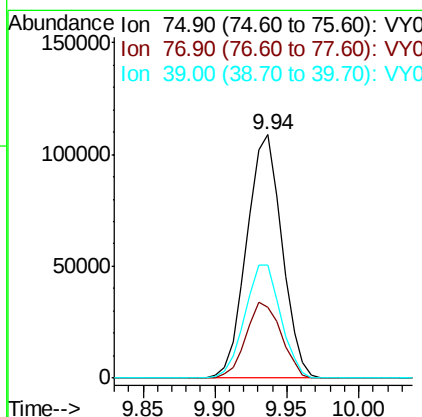
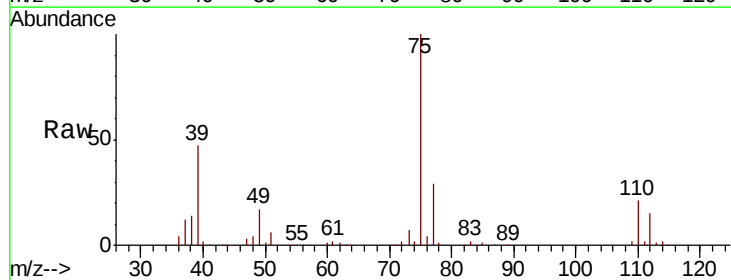
Manual Integrations
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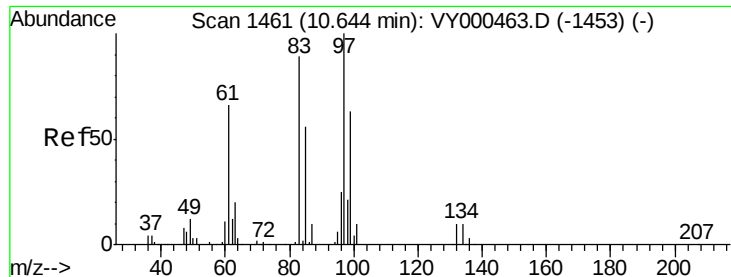
MMDadoda
10/30/2019 11:00:02 AM



#54
cis-1,3-Dichloropropene
Concen: 55.260 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion: 75 Resp: 183890
Ion Ratio Lower Upper
75 100
77 29.0 26.0 39.0
39 46.6 38.8 58.2





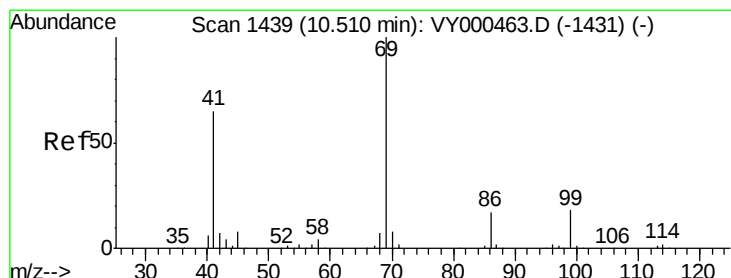
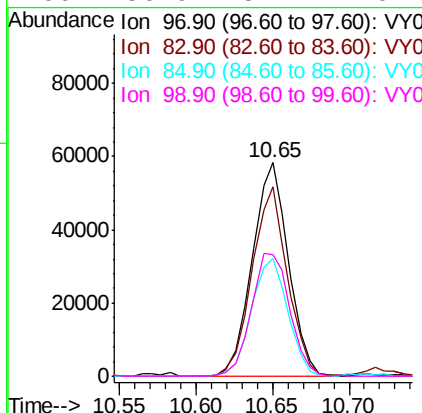
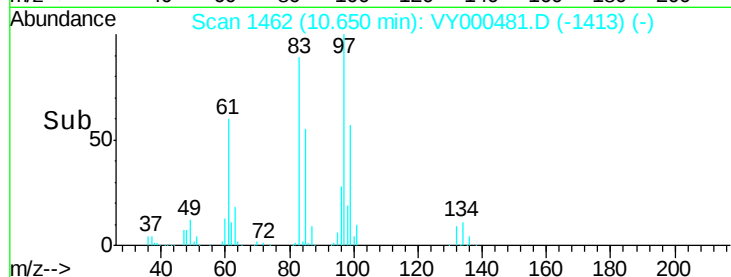
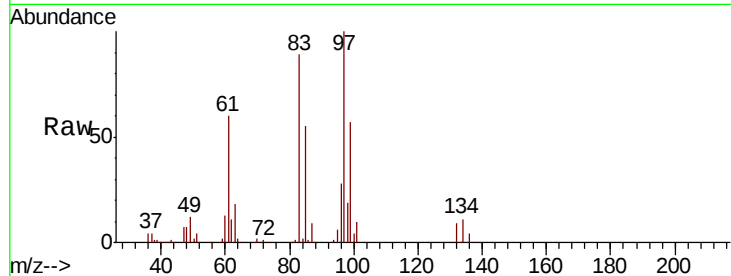
#55
 1,1,2-Trichloroethane
 Concen: 56.824 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	95855
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.0	103.6
85	55.0	46.2	69.4
99	56.9	51.1	76.7

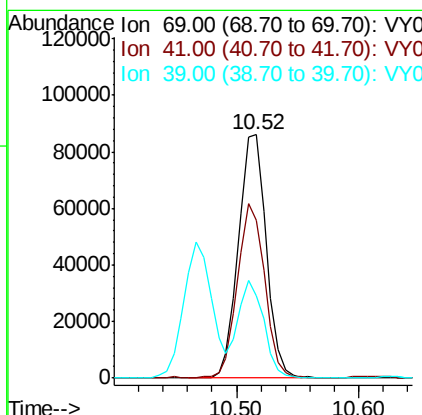
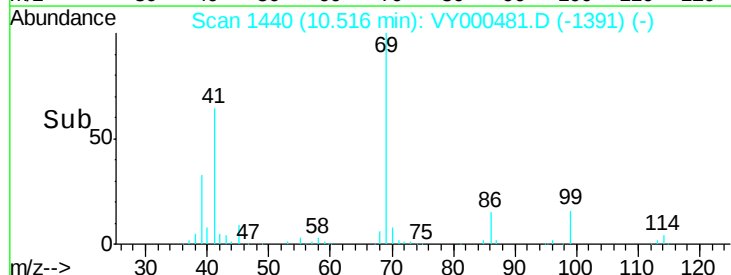
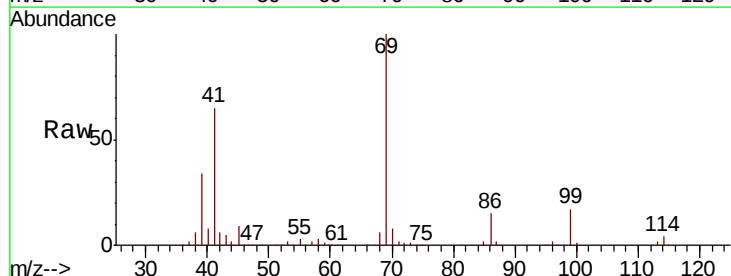
Manual Integrations
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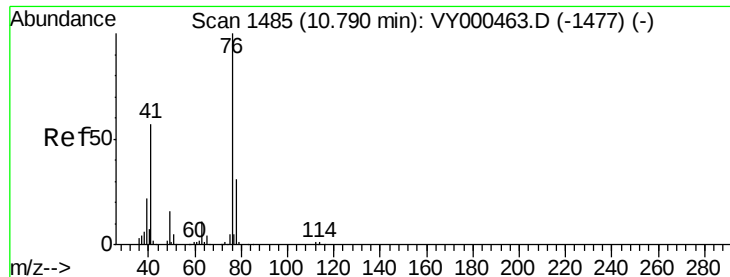
MMDadoda
 10/30/2019 11:00:02 AM



#56
 Ethyl methacrylate
 Concen: 56.567 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	69	Resp	136008
Ion	Ratio	Lower	Upper
69	100		
41	68.8	52.5	78.7
39	37.4	26.7	40.1





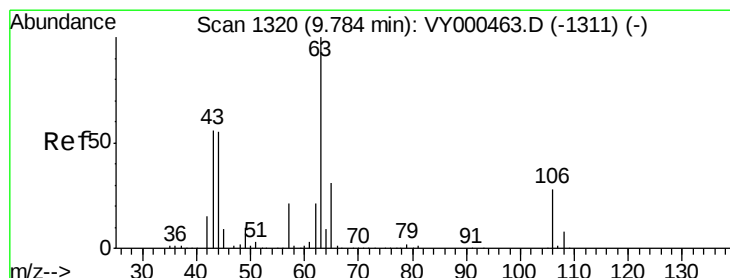
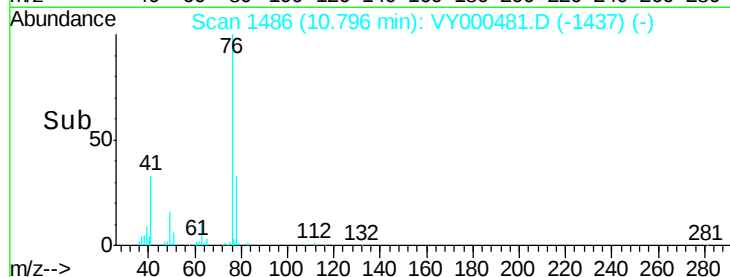
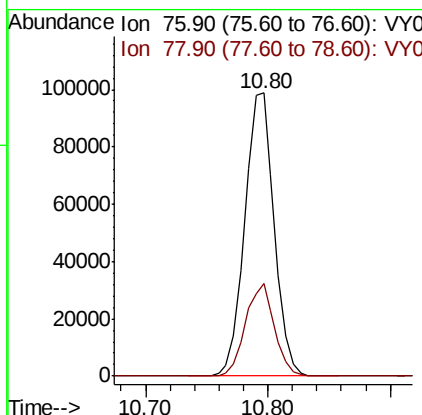
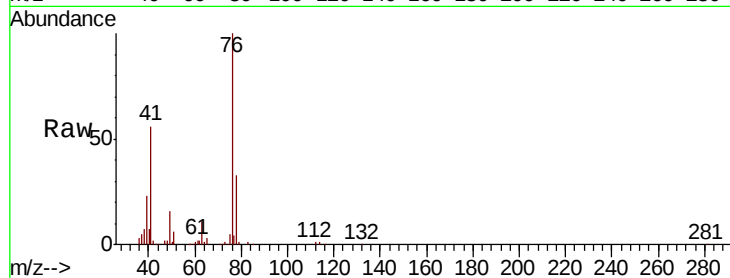
#57
 1,3-Dichloropropane
 Concen: 56.778 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2

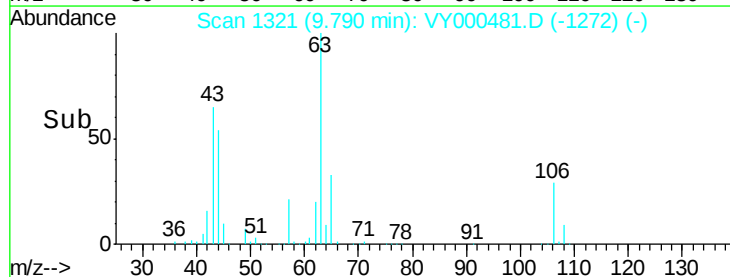
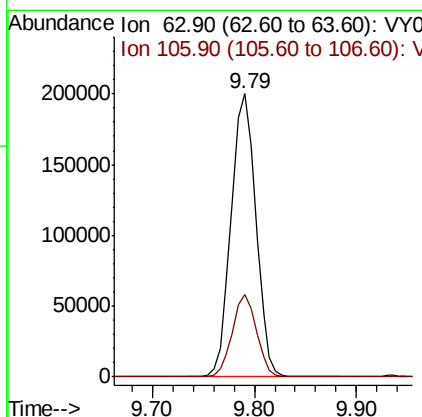
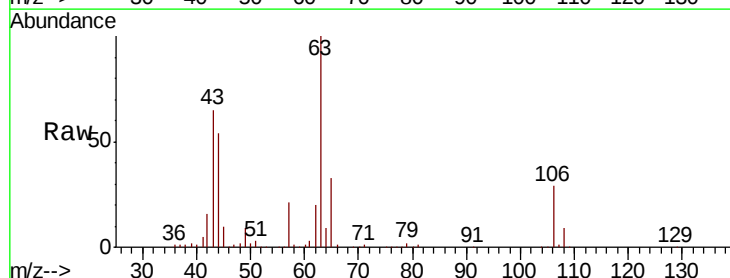
Manual Integrations
 APPROVED

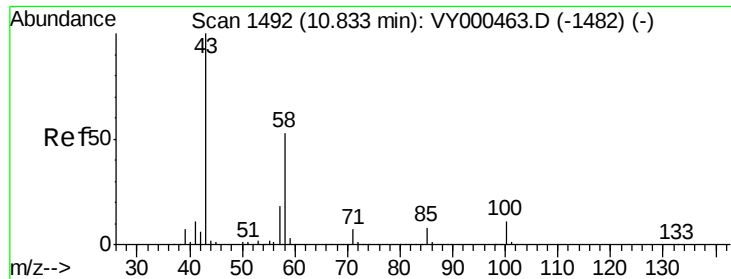
MMDadoda
 10/30/2019 11:00:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 350.806 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.4





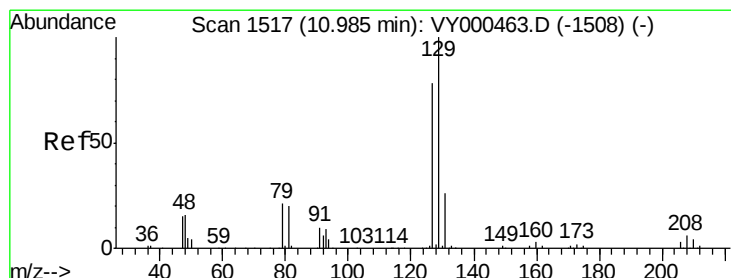
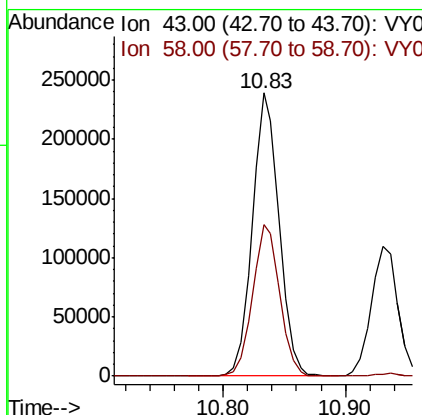
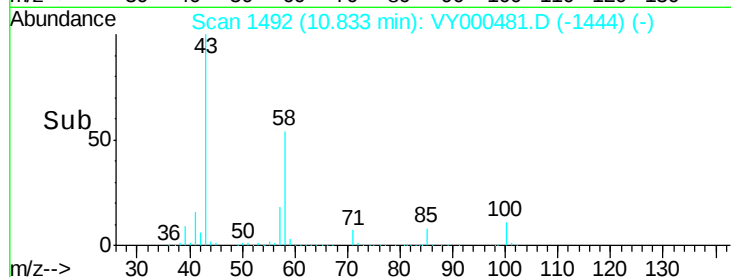
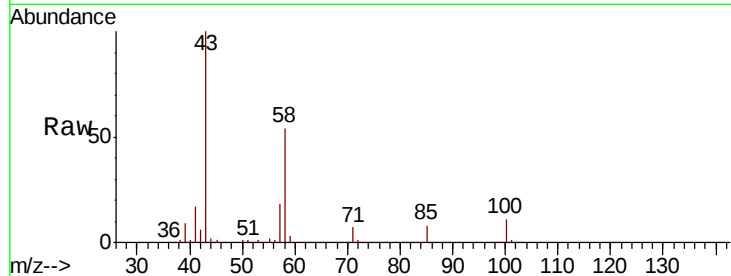
#59
2-Hexanone
Concen: 304.649 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 363384
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

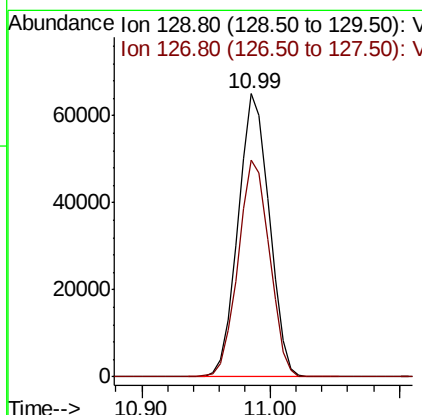
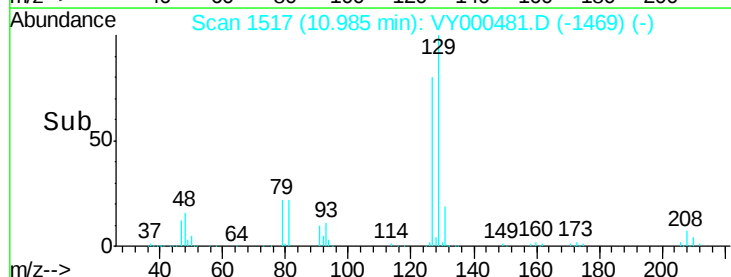
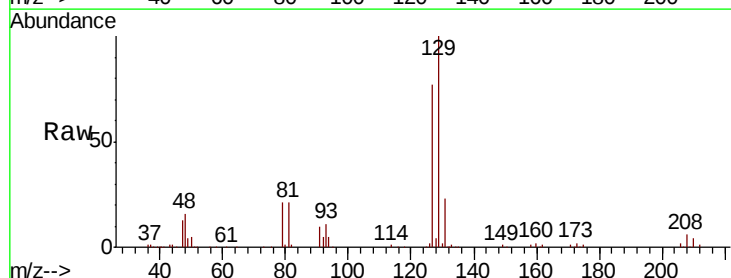
Manual Integrations
APPROVED

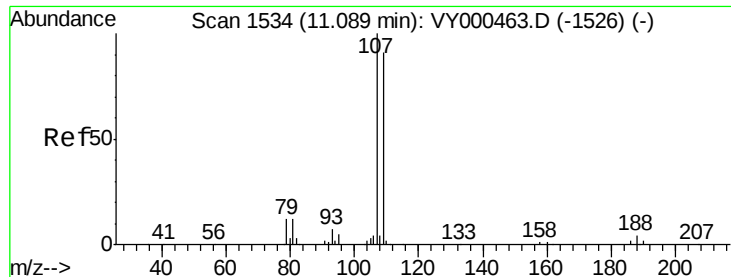
MMDadoda
10/30/2019 11:00:02 AM



#60
Dibromochloromethane
Concen: 58.350 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion: 129 Resp: 109096
Ion Ratio Lower Upper
129 100
127 76.8 39.9 119.7





#61

1,2-Dibromoethane

Concen: 55.194 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 89396

Ion Ratio Lower Upper

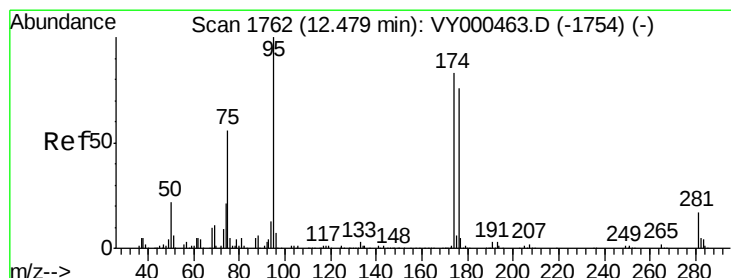
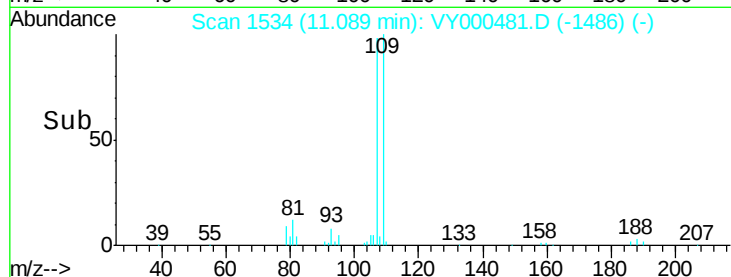
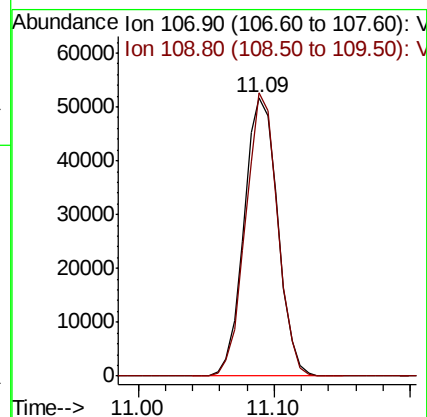
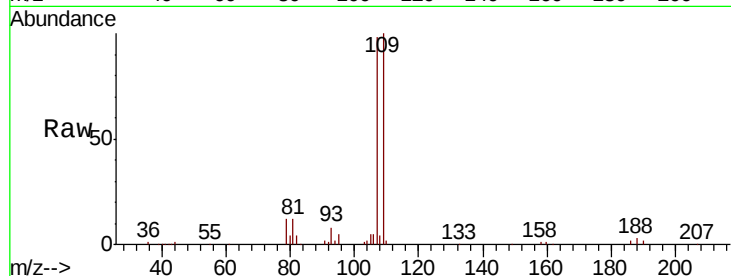
107 100

109 96.4 75.1 112.7

Manual Integrations
APPROVED

MMDadoda

10/30/2019 11:00:02 AM



#62

4-Bromofluorobenzene

Concen: 54.674 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

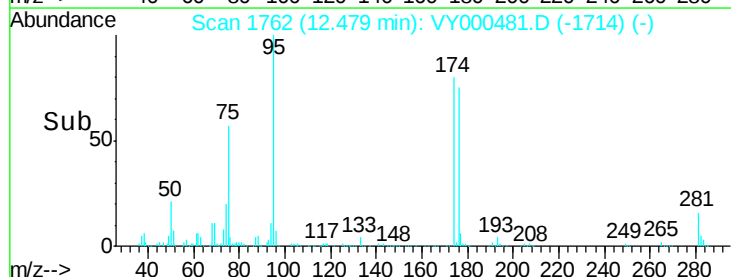
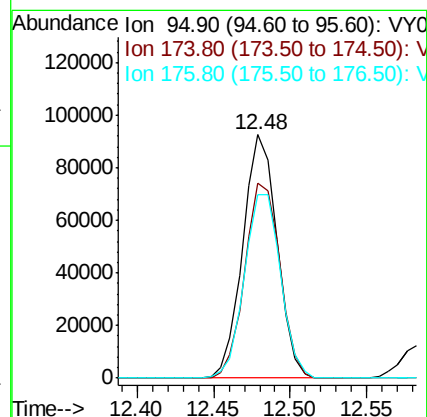
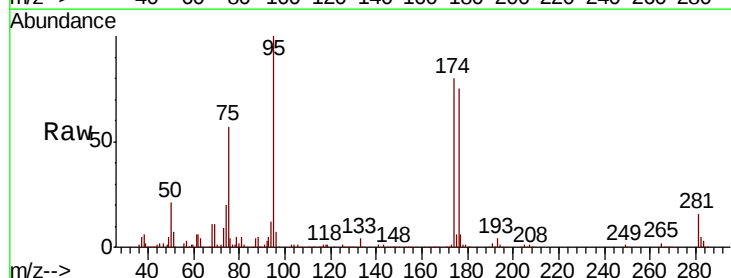
Tgt Ion: 95 Resp: 144061

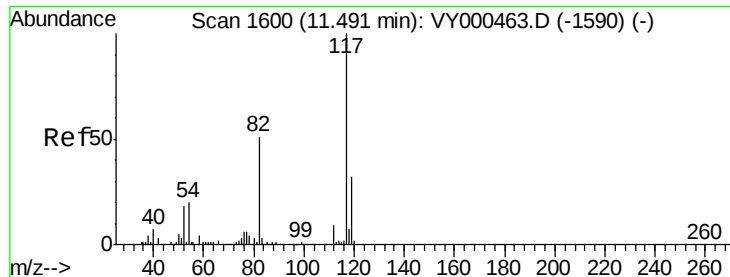
Ion Ratio Lower Upper

95 100

174 82.5 0.0 159.6

176 80.0 0.0 153.8





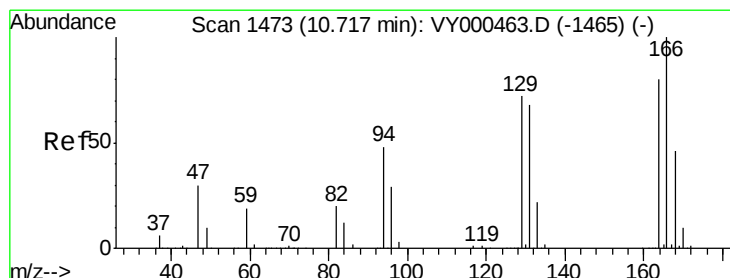
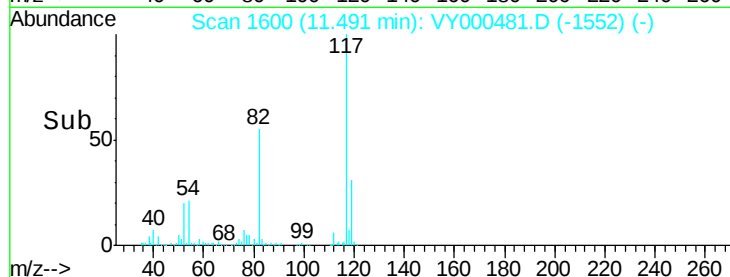
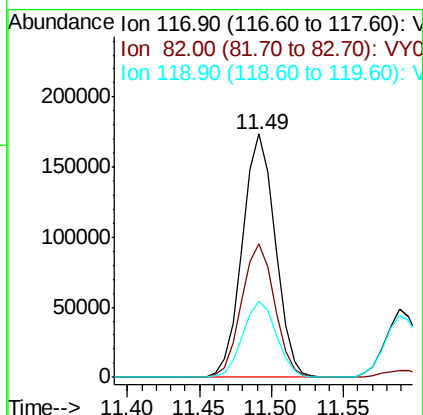
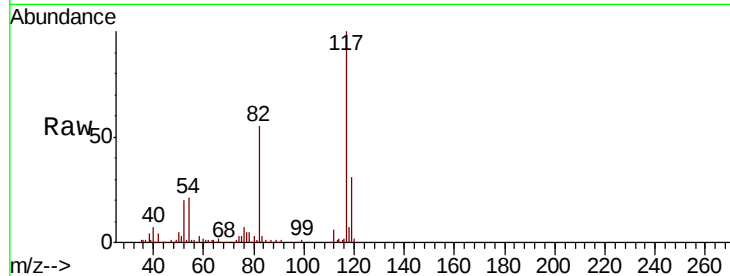
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275106		
82	54.7		43.7	65.5
119	31.4		26.6	39.8

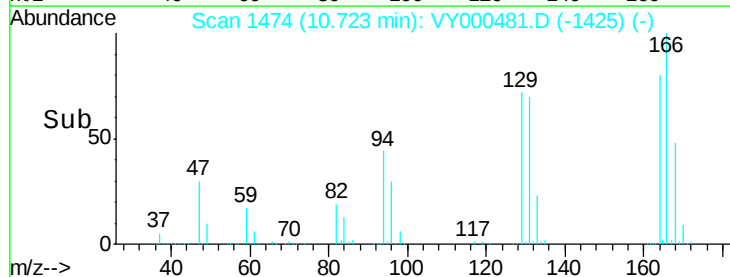
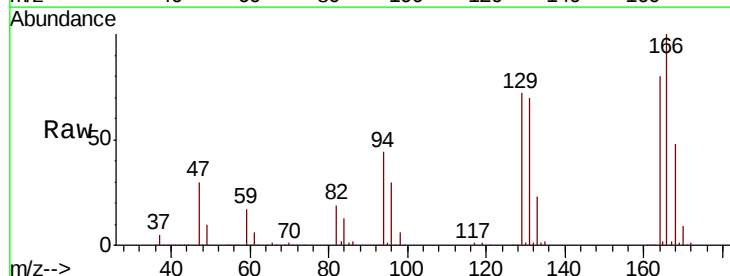
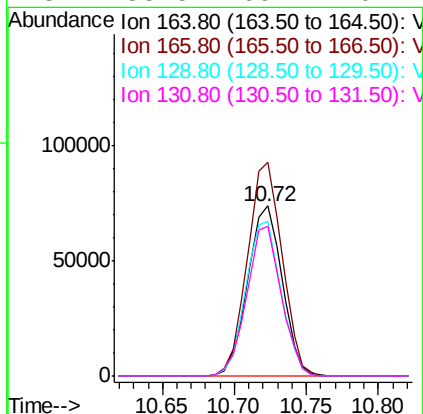
Manual Integrations
APPROVED

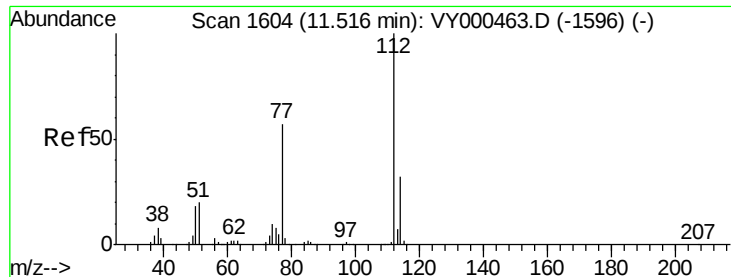
MMDadoda
10/30/2019 11:00:02 AM



#64
Tetrachloroethene
Concen: 46.963 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122998		
166	125.6		100.6	151.0
129	91.0		72.8	109.2
131	88.5		69.4	104.2





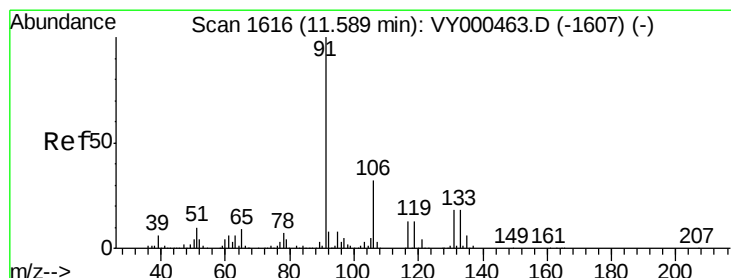
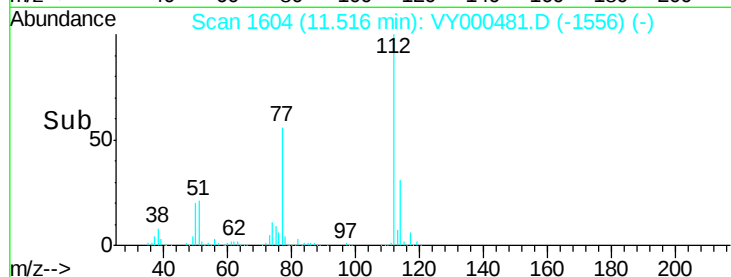
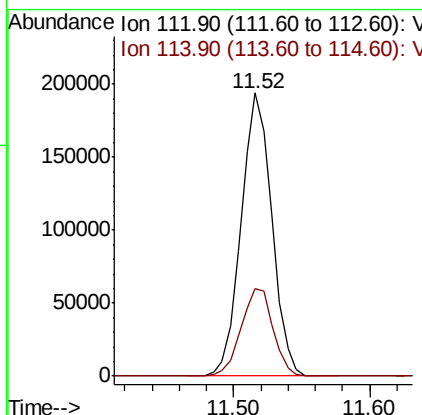
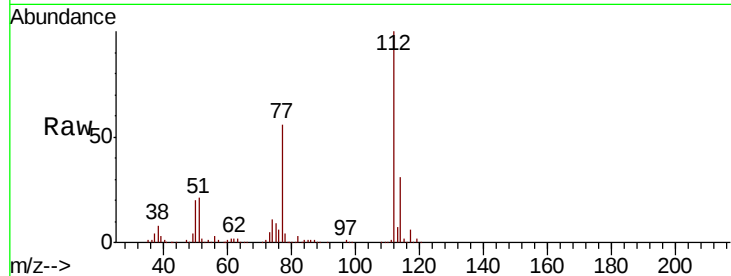
#65
Chlorobenzene
Concen: 52.652 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 305694
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5

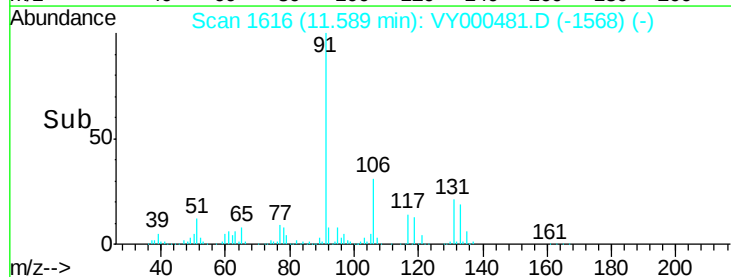
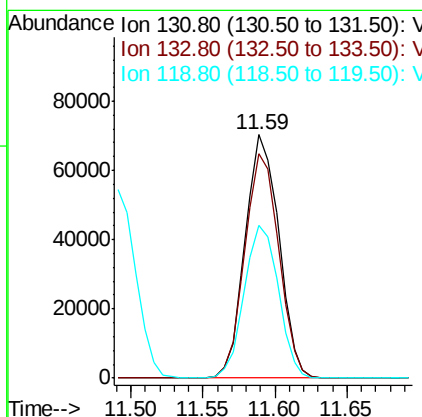
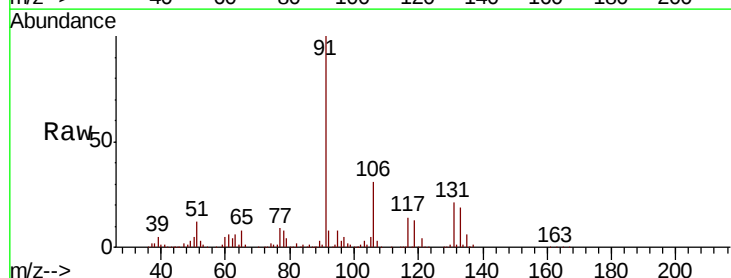
Manual Integrations
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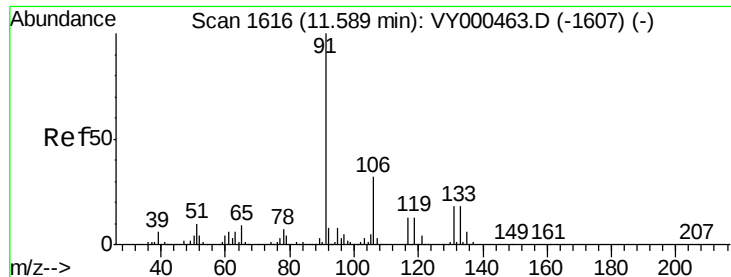
MMDadoda
10/30/2019 11:00:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.959 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion:131 Resp: 114128
Ion Ratio Lower Upper
131 100
133 92.9 47.2 141.6
119 63.8 32.6 98.0





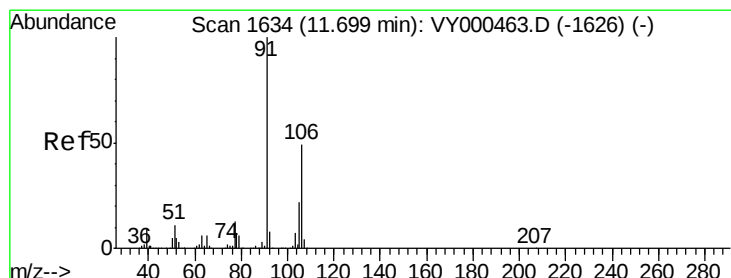
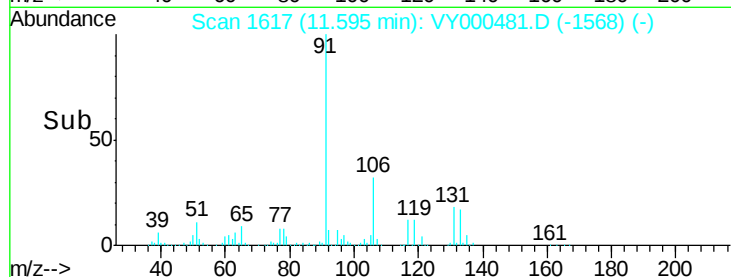
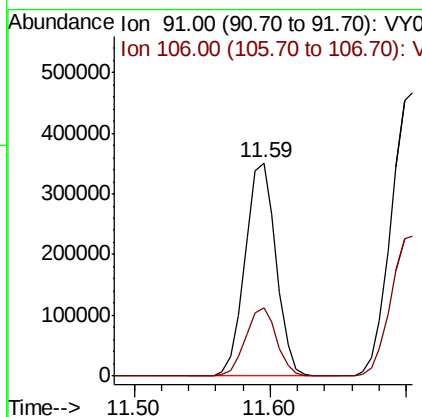
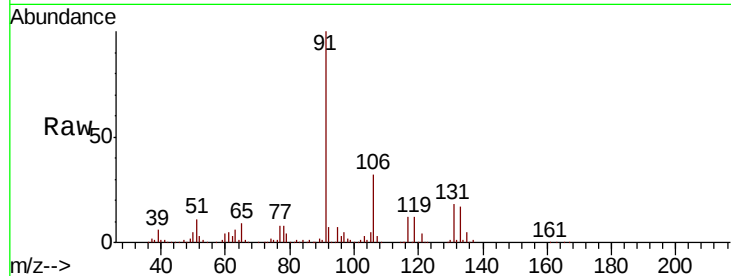
#67
Ethyl Benzene
Concen: 51.945 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 559082
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6

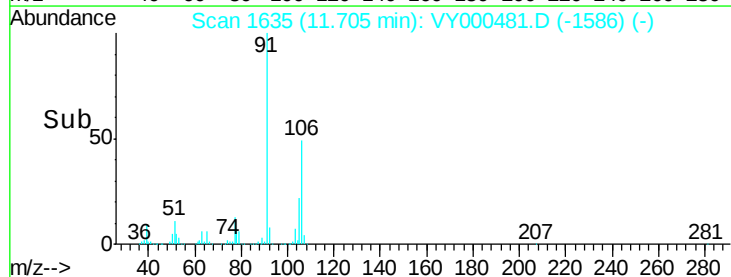
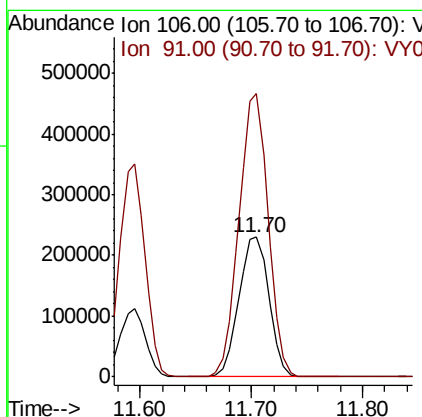
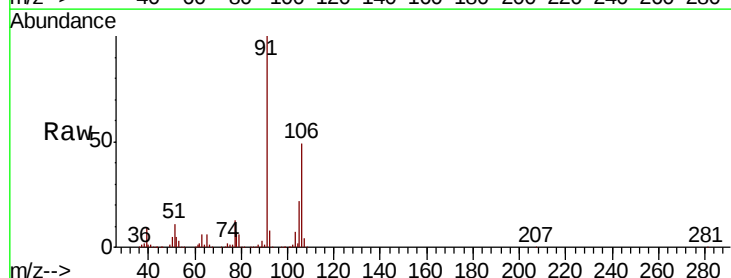
Manual Integrations
APPROVED

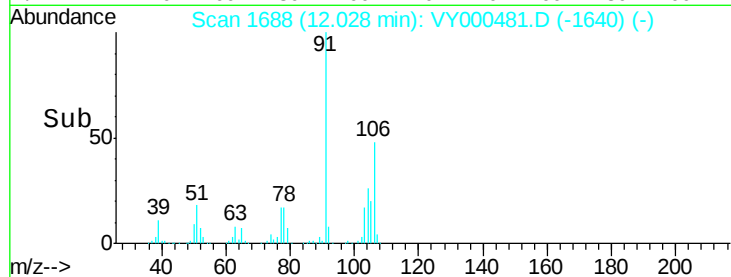
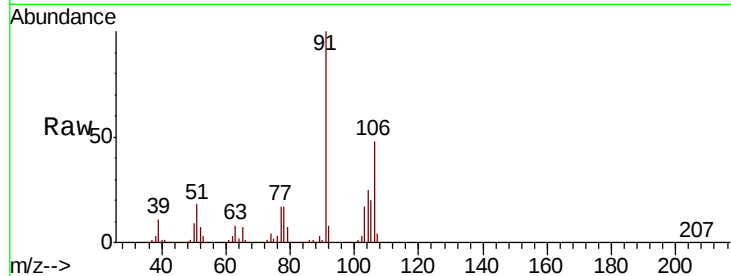
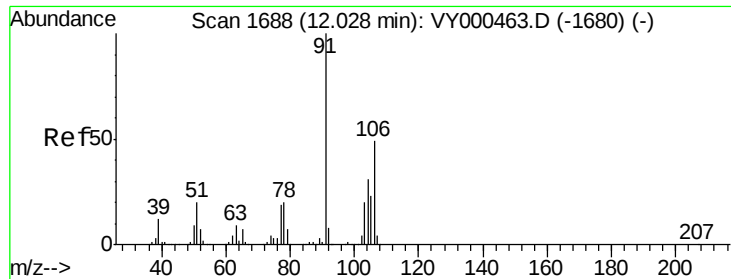
MMDadoda
10/30/2019 11:00:02 AM



#68
m/p-Xylenes
Concen: 104.725 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion: 106 Resp: 430892
Ion Ratio Lower Upper
106 100
91 196.9 157.5 236.3





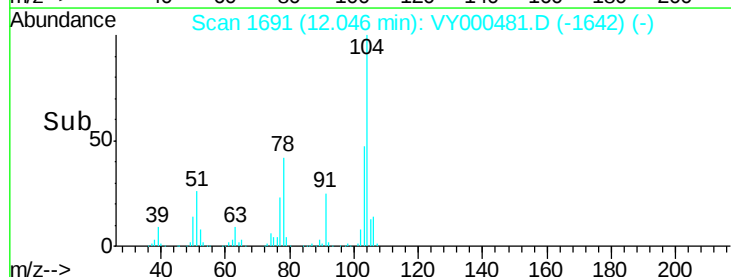
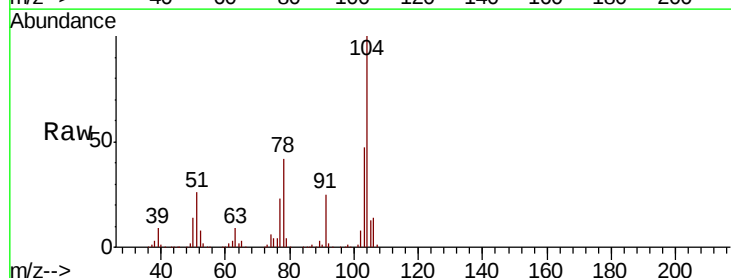
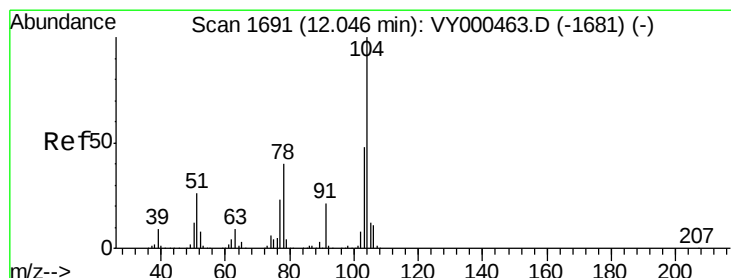
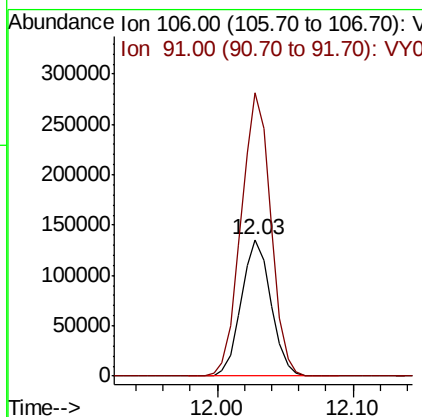
#69
o-Xylene
Concen: 52.523 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		206160		
91	208.3	104.7	313.9		

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

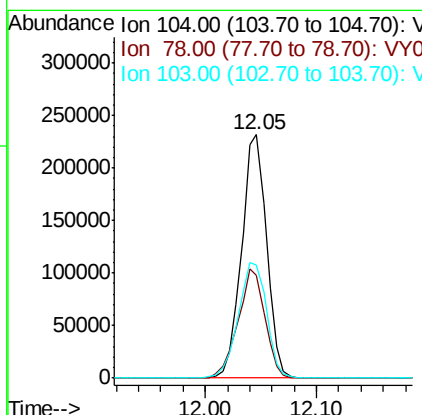
Manual Integrations
APPROVED

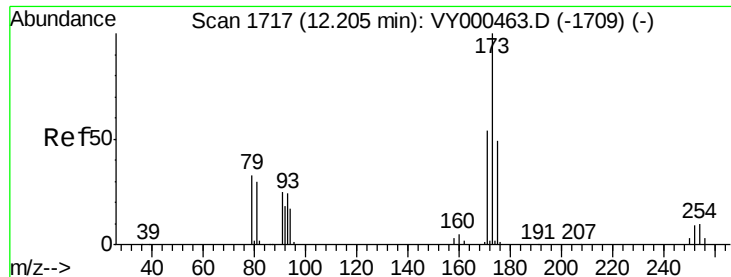
MMDadoda
10/30/2019 11:00:02 AM



#70
Styrene
Concen: 54.583 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		361320		
78	48.2	39.0	58.6		
103	53.5	43.1	64.7		





#71

Bromoform

Concen: 59.159 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 69360

Ion Ratio Lower Upper

173 100

175 46.8 24.6 73.6

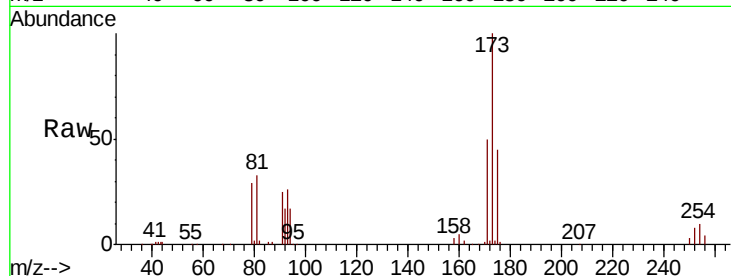
254 0.1 0.1 0.1#

Manual Integrations

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MMDadoda

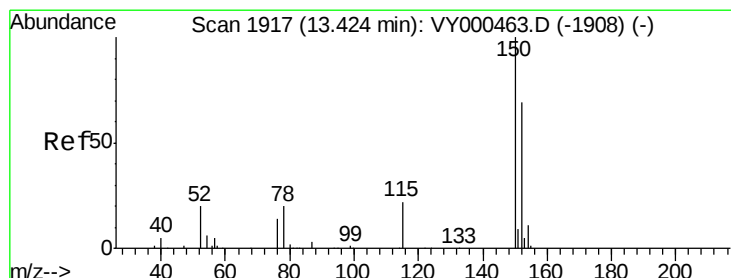
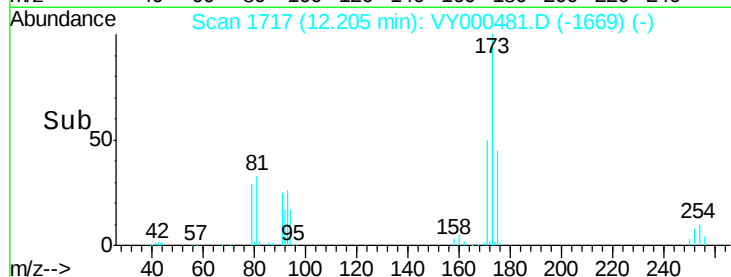
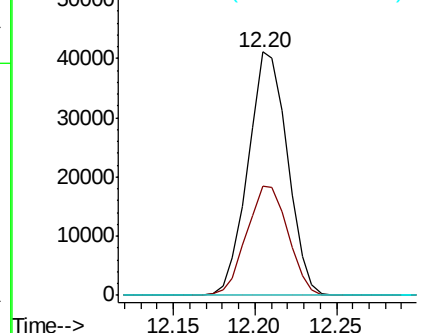
10/30/2019 11:00:02 AM



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. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

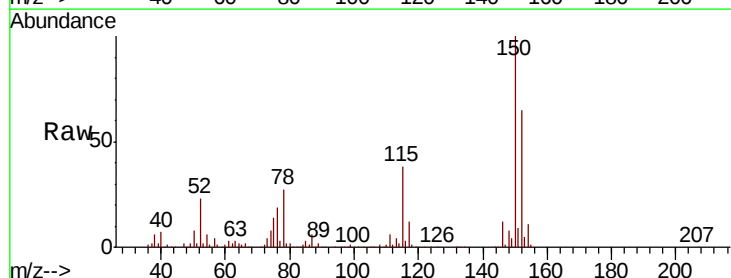
Tgt Ion:152 Resp: 147116

Ion Ratio Lower Upper

152 100

115 56.5 29.3 88.0

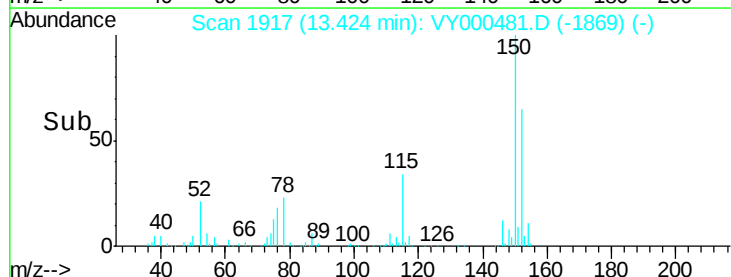
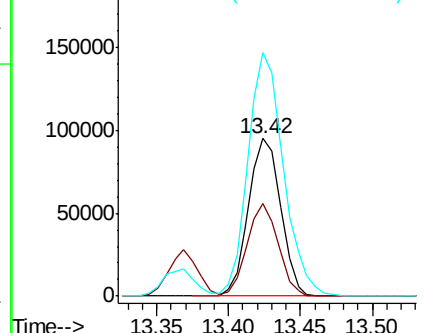
150 169.8 0.0 348.4

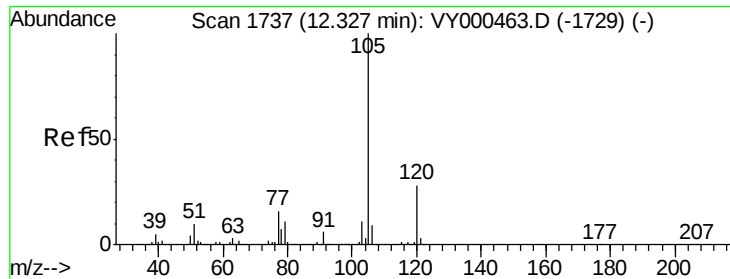


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





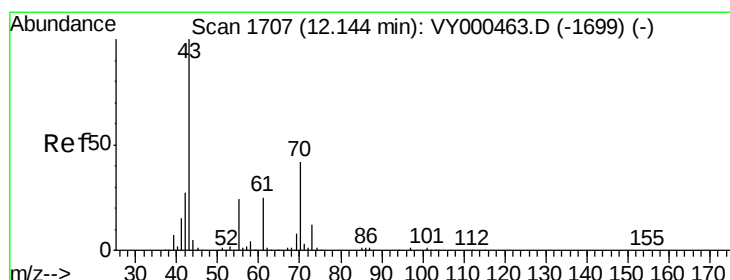
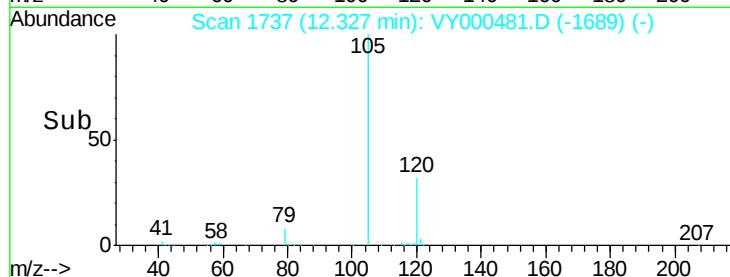
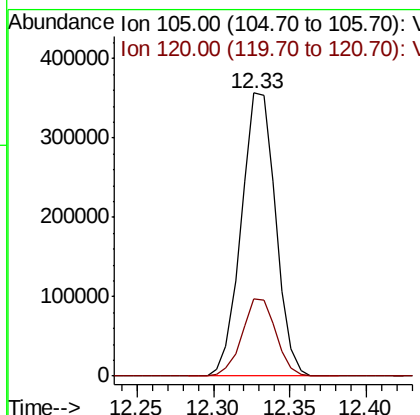
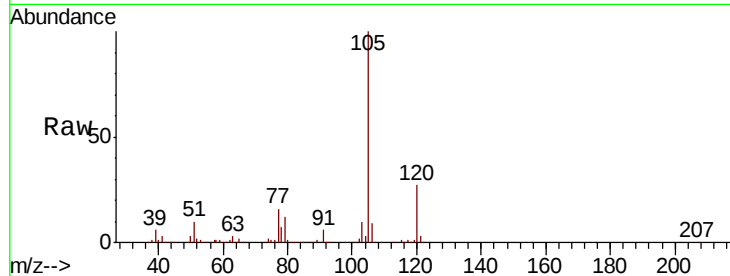
#73
Isopropylbenzene
Concen: 48.457 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.2

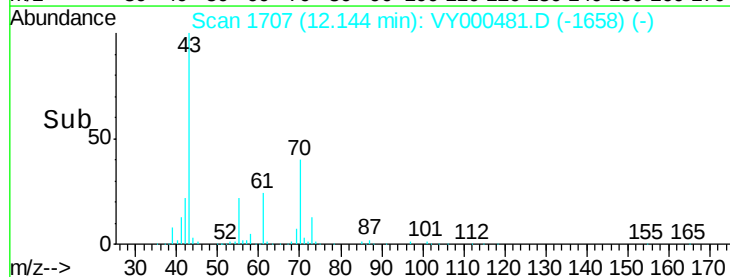
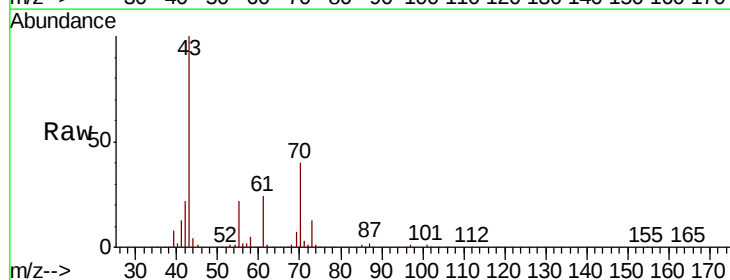
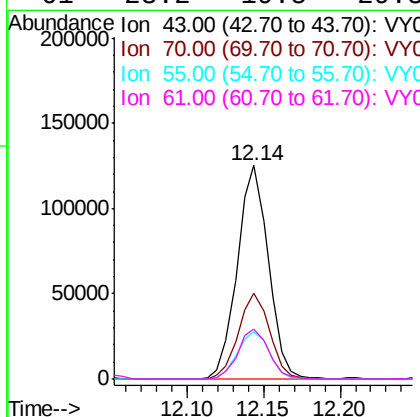
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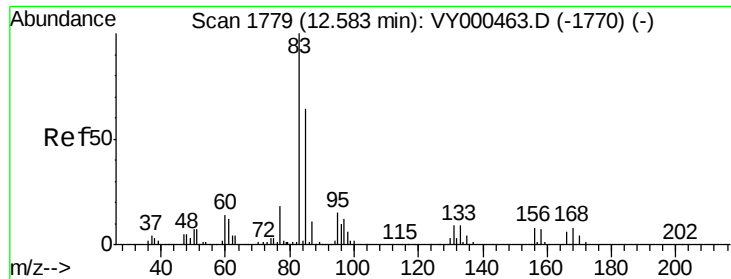
MMDadoda
10/30/2019 11:00:02 AM



#74
N-ethyl acetate
Concen: 62.604 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.9	49.3
55	22.8	17.8	26.6
61	23.2	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 55.584 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

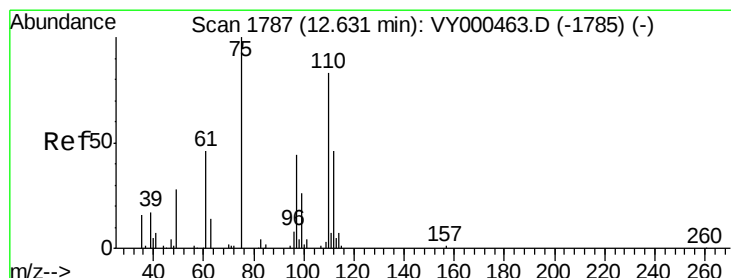
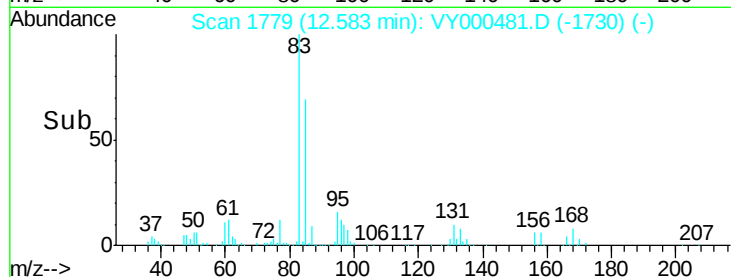
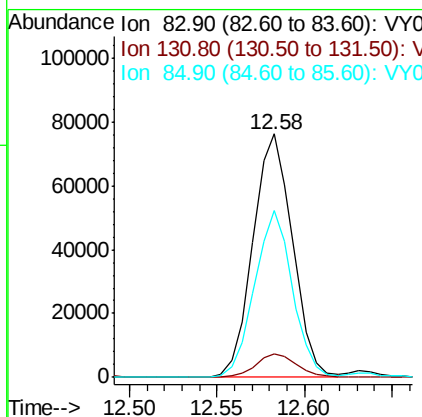
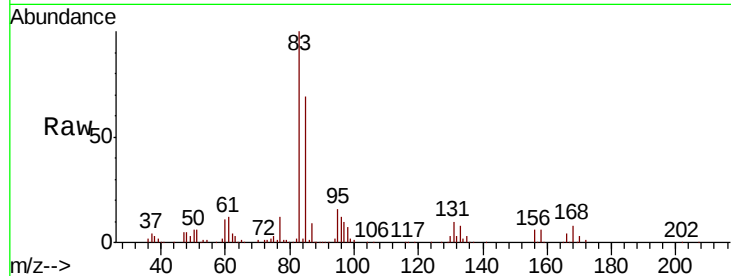
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119715
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	65.8	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 49.948 ug/l m

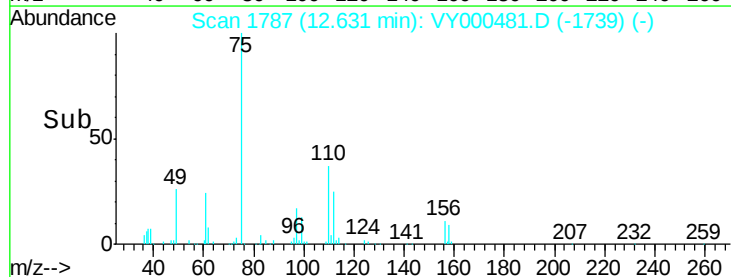
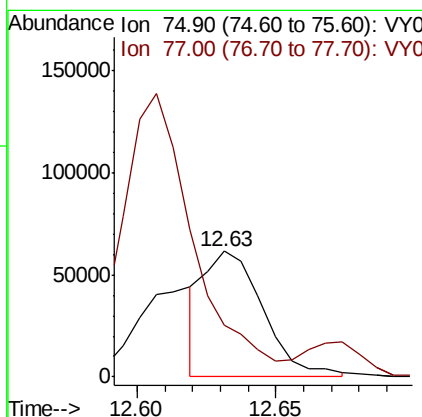
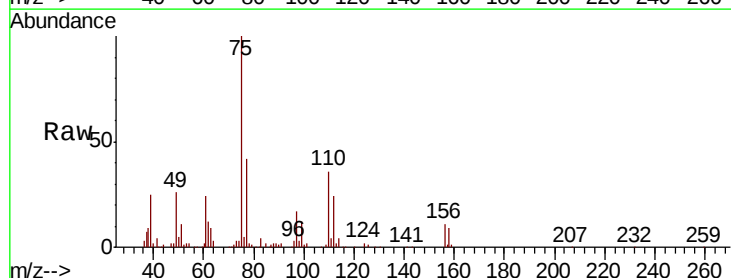
RT: 12.63 min Scan# 1787

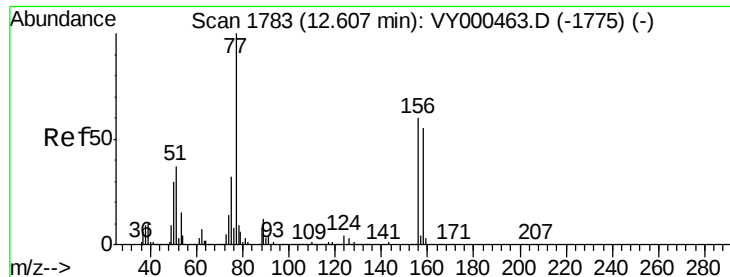
Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	75	Resp:	90358
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.170 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

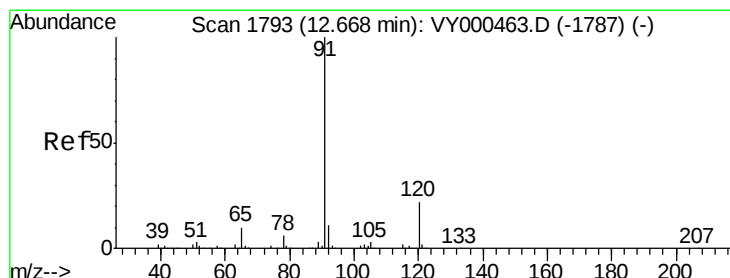
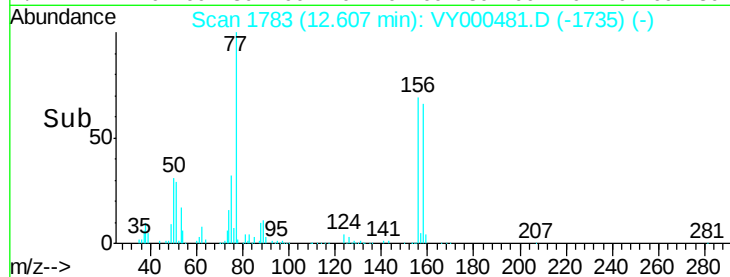
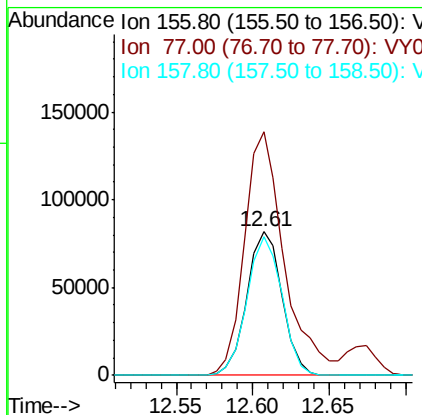
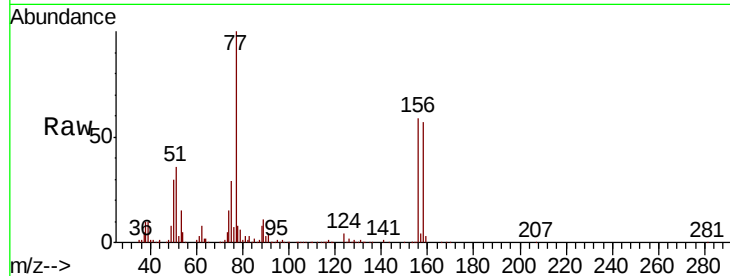
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	130615
Ion Ratio	Lower	Upper	
156	100		
77	190.3	101.0	302.9
158	96.3	49.7	149.1

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#78

n-propylbenzene

Concen: 48.699 ug/l

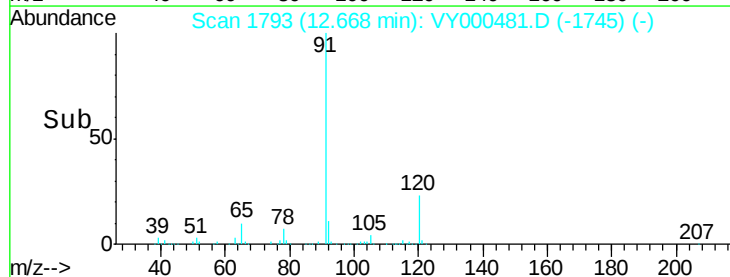
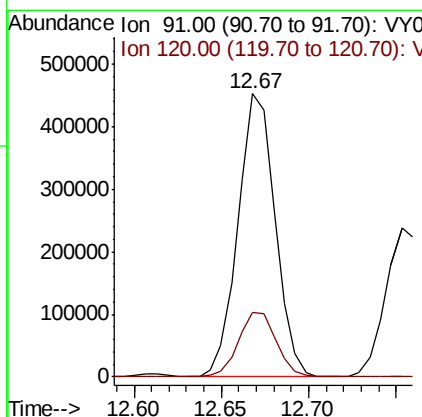
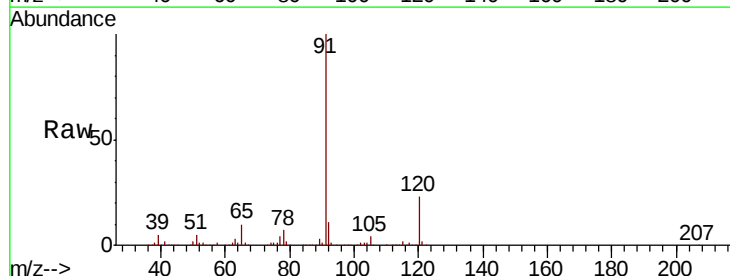
RT: 12.67 min Scan# 1793

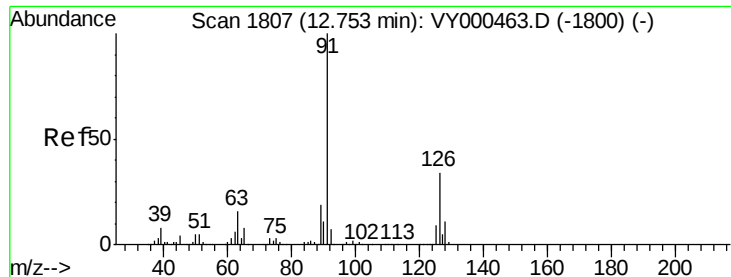
Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	91	Resp:	670731
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.922 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 372109

Ion Ratio Lower Upper

91 100

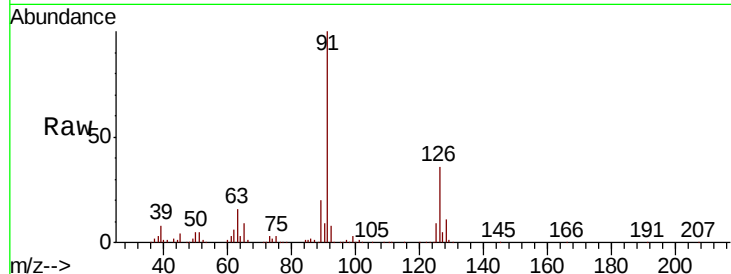
126 35.4 17.1 51.3

Manual Integrations

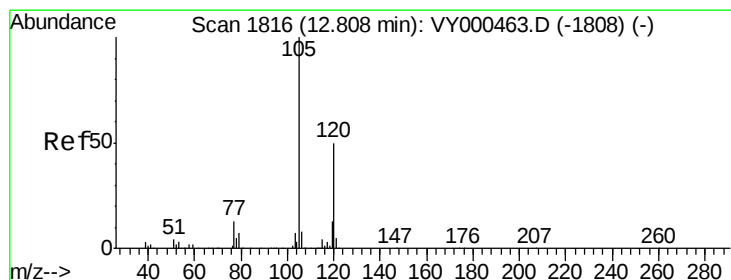
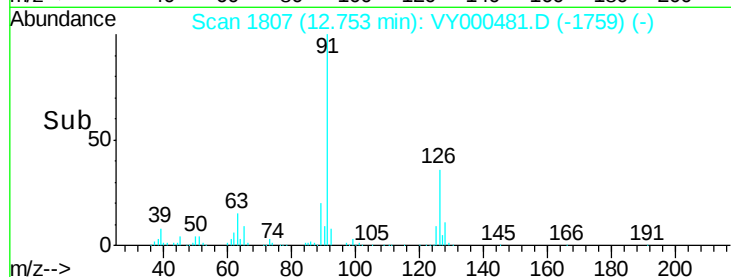
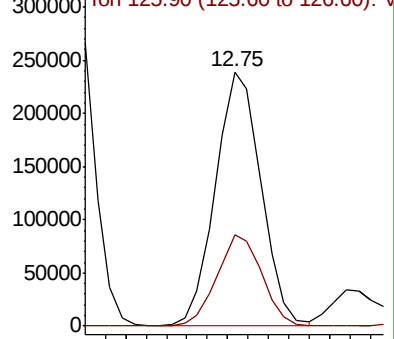
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Abundance Ion 91.00 (90.70 to 91.70): VY000463.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.423 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000481.D

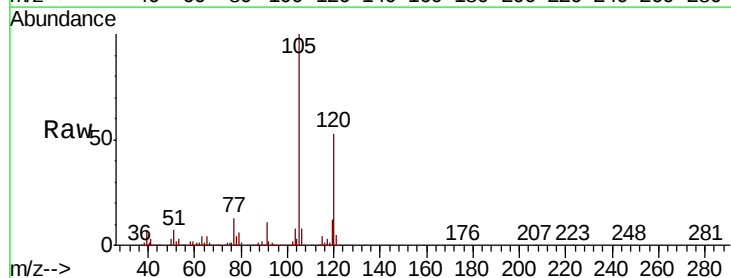
Acq: 29 Oct 2019 17:47

Tgt Ion: 105 Resp: 475391

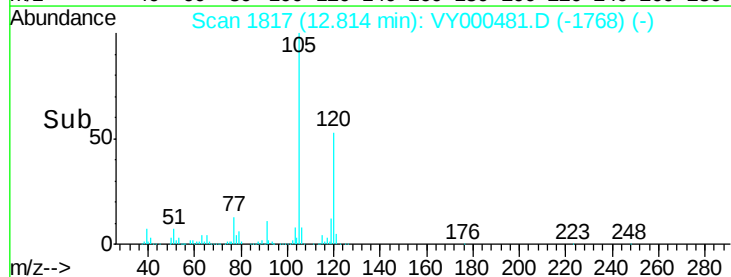
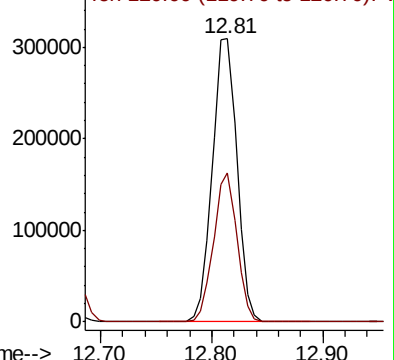
Ion Ratio Lower Upper

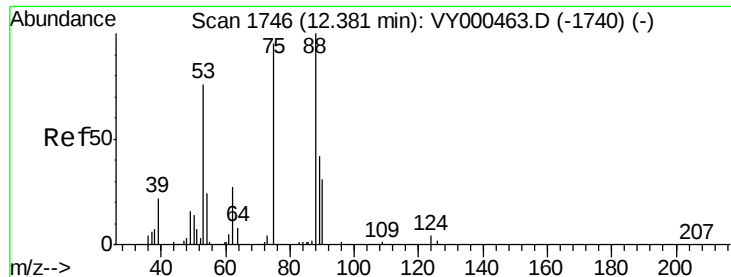
105 100

120 50.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000463.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.050 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

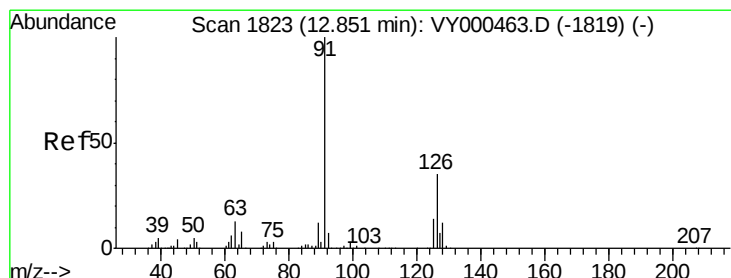
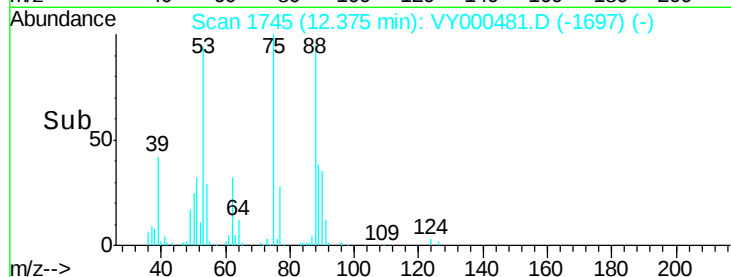
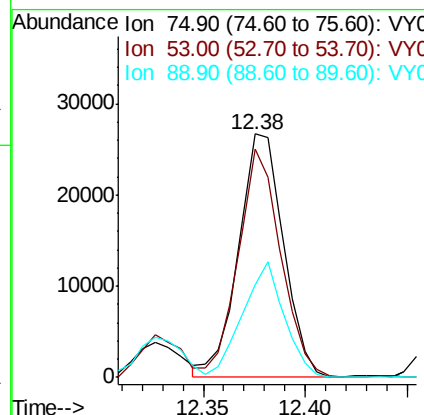
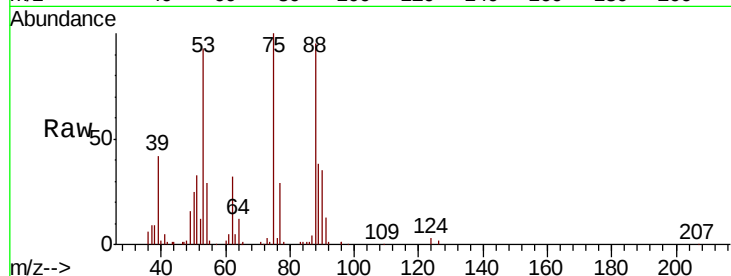
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	40555
Ion	Ratio	Lower	Upper
75	100		
53	88.7	71.3	106.9
89	44.1	35.1	52.7

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#82

4-Chlorotoluene

Concen: 49.967 ug/l

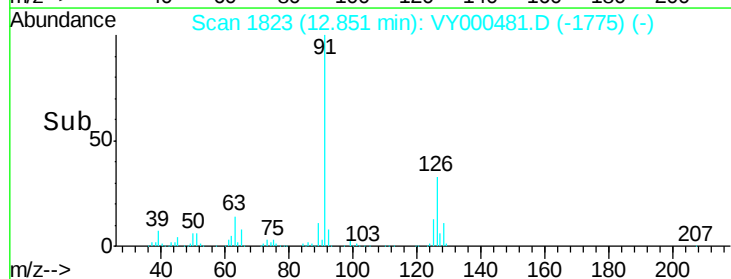
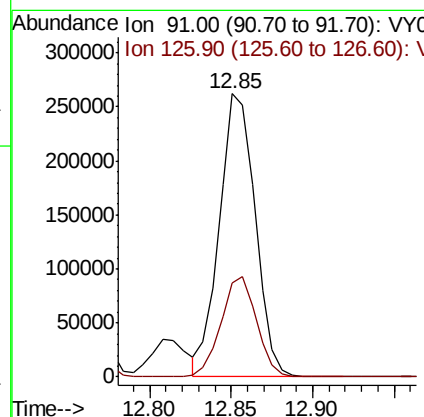
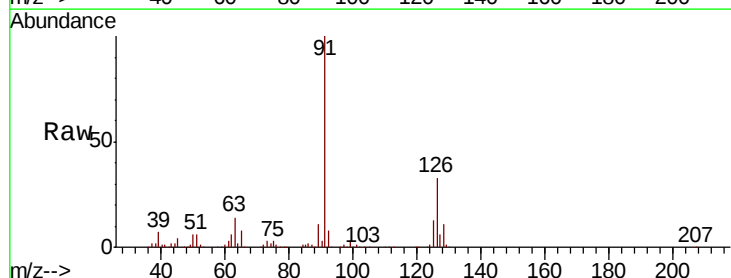
RT: 12.85 min Scan# 1823

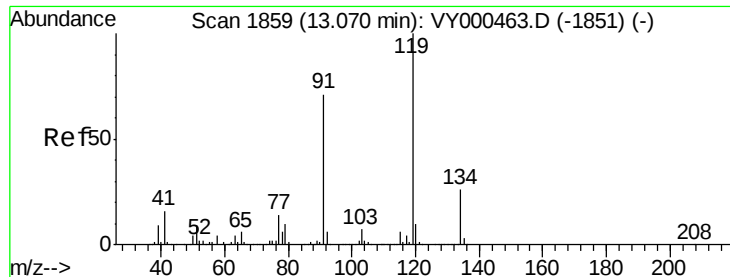
Delta R.T. -0.01 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Tgt Ion:	91	Resp:	401746
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.5





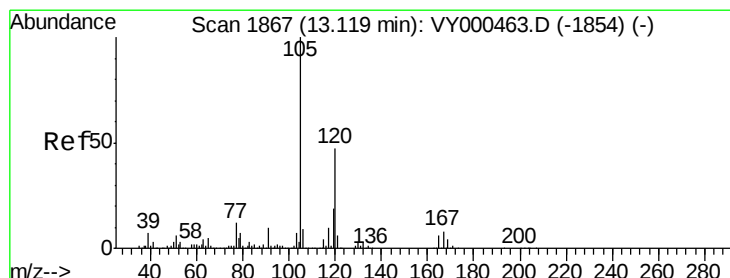
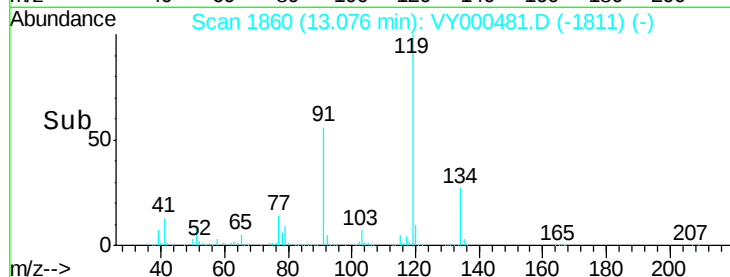
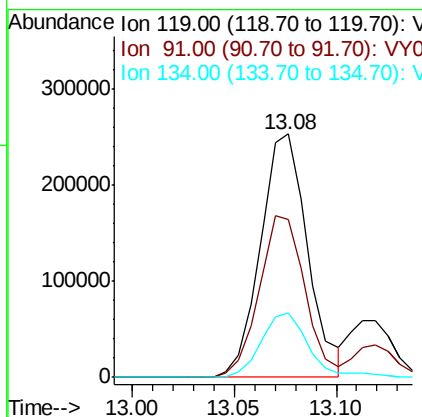
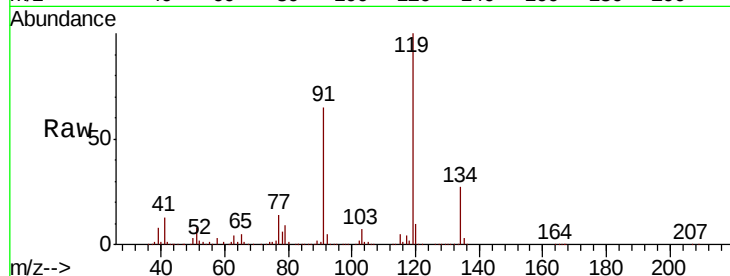
#83
tert-Butylbenzene
Concen: 50.013 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.9	98.7
134	27.0	13.3	39.8

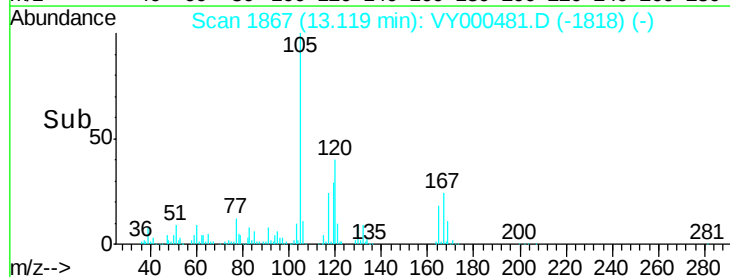
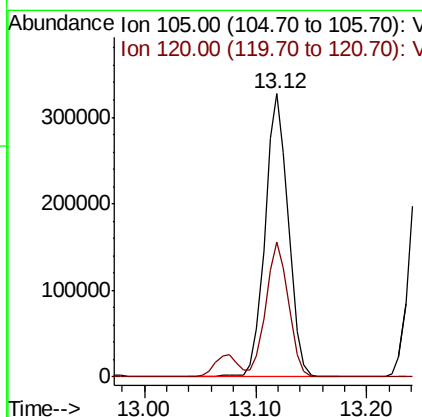
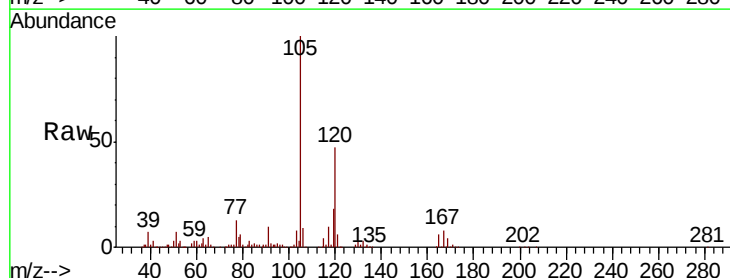
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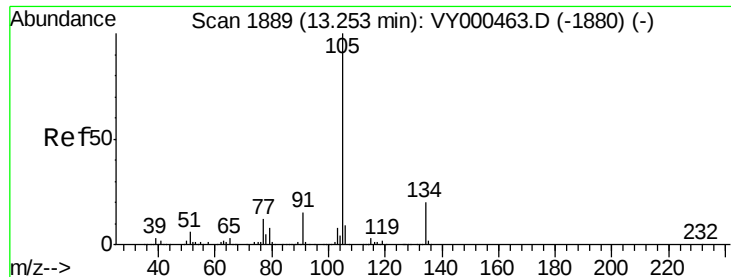
MMDadoda
10/30/2019 11:00:02 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.146 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 49.463 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 582858

Ion Ratio Lower Upper

105 100

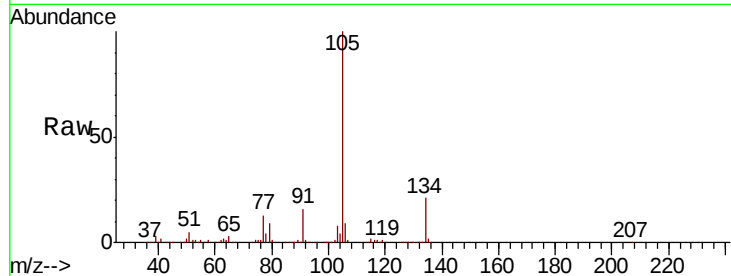
134 20.3 10.1 30.1

Manual Integrations

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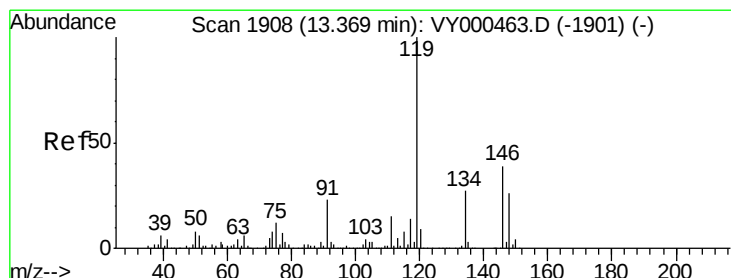
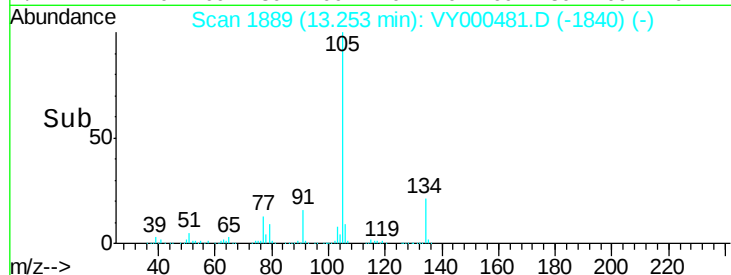
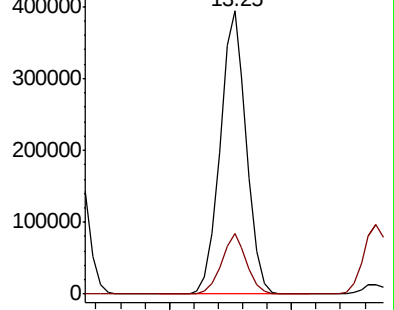
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.502 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000481.D

Acq: 29 Oct 2019 17:47

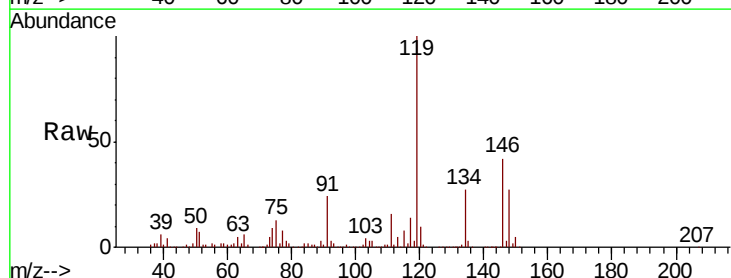
Tgt Ion:119 Resp: 518810

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

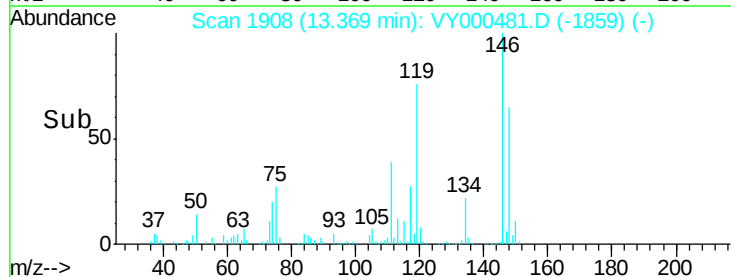
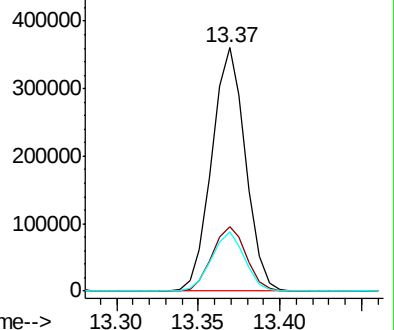
91 23.9 12.0 36.1

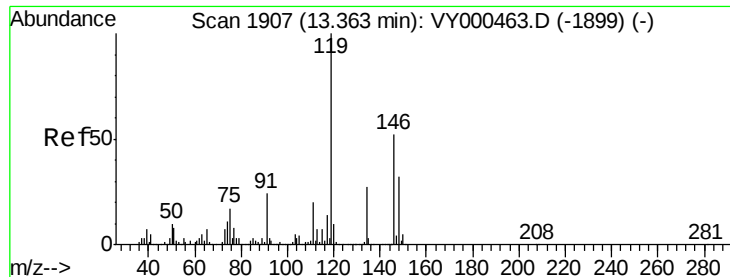


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





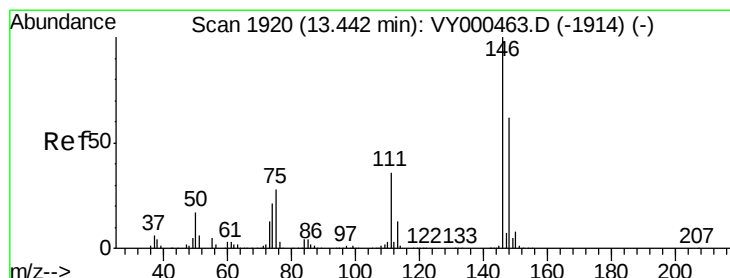
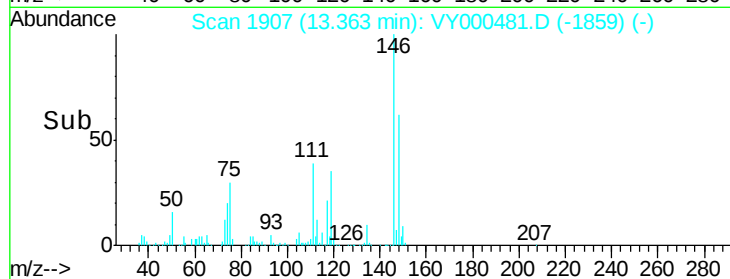
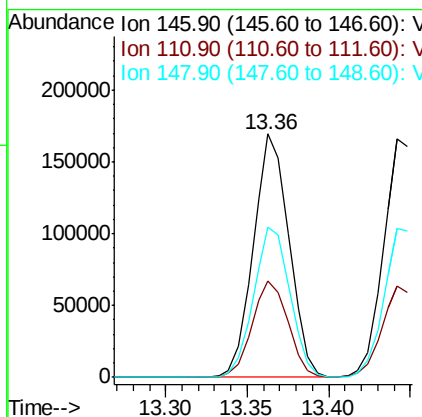
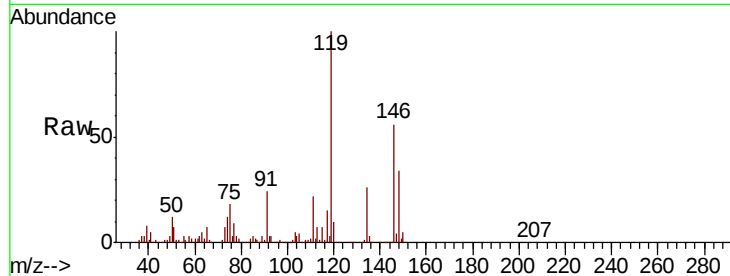
#87
 1,3-Dichlorobenzene
 Concen: 51.150 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.6	61.8
148	63.2	31.9	95.5

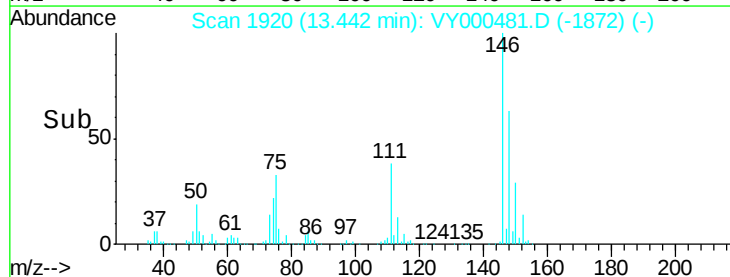
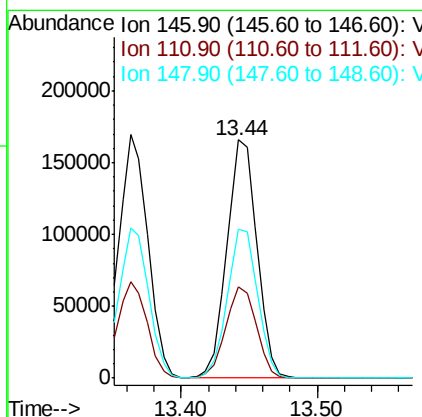
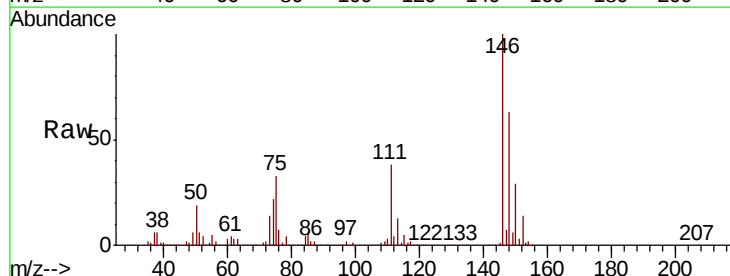
Manual Integrations
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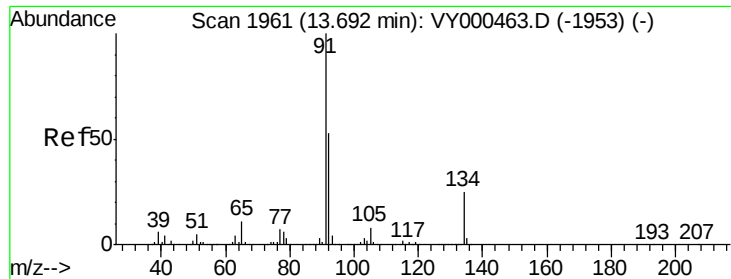
MMDadoda
 10/30/2019 11:00:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.787 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	63.1	32.4	97.2





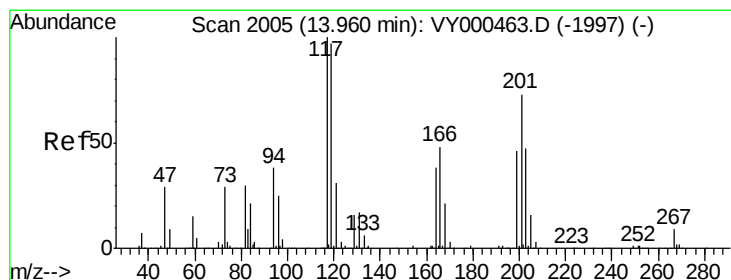
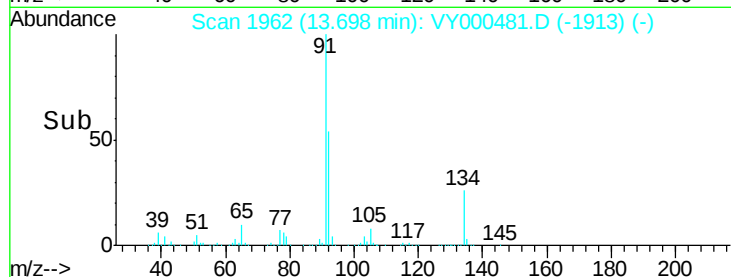
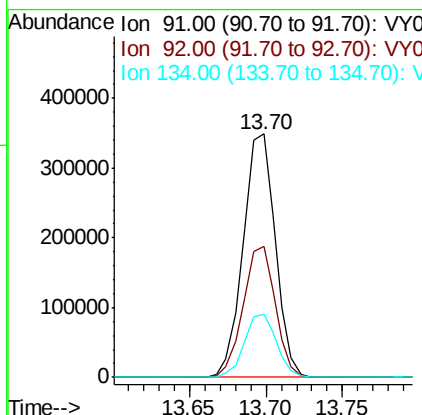
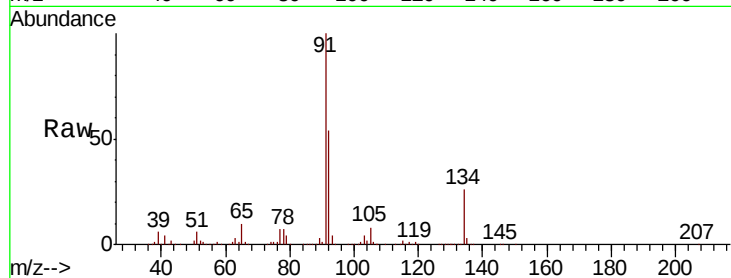
#89
n-Butylbenzene
Concen: 50.143 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	26.7	80.1	
134	25.9	13.0	38.9	

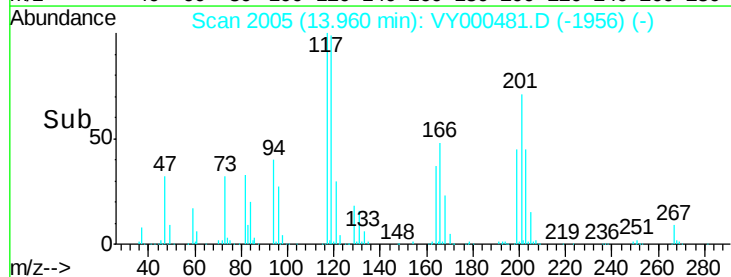
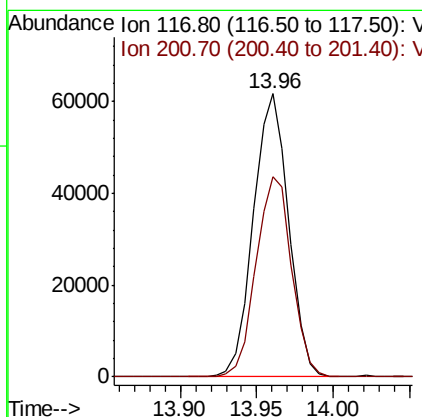
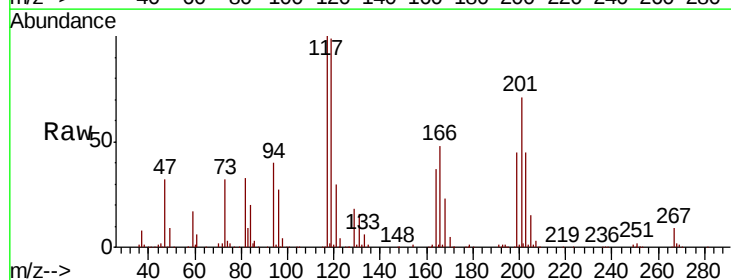
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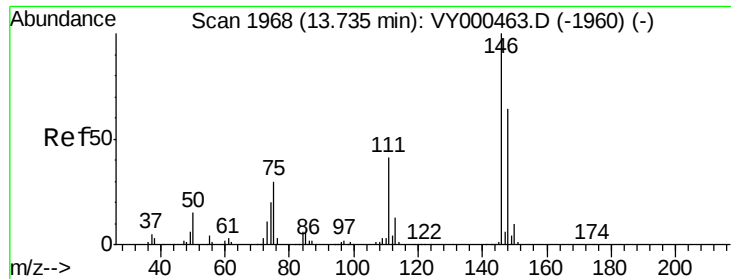
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#90
Hexachloroethane
Concen: 51.831 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.8	36.3	108.7	





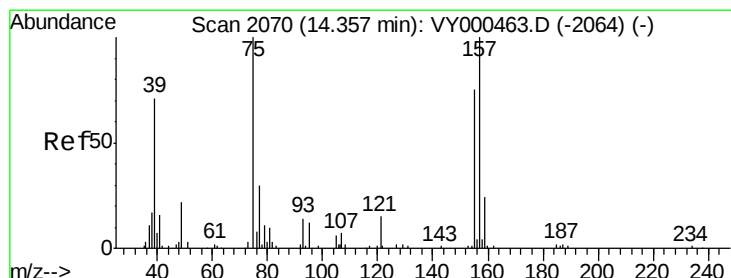
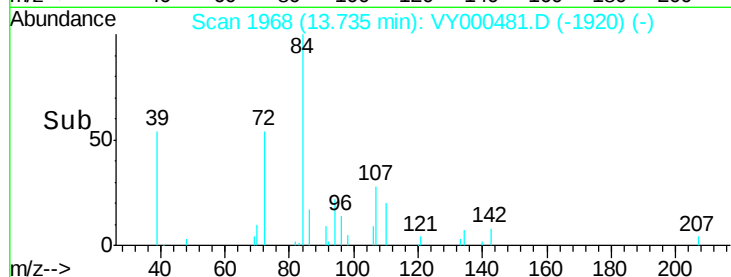
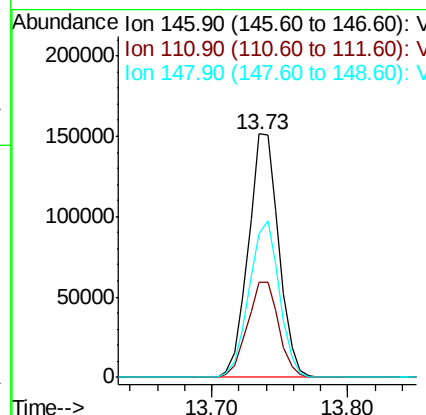
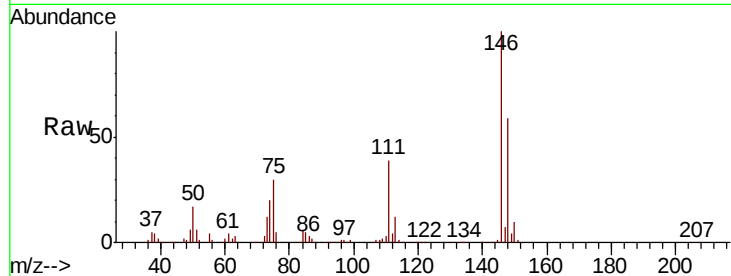
#91
 1,2-Dichlorobenzene
 Concen: 52.134 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.5
148	63.6	31.6	95.0

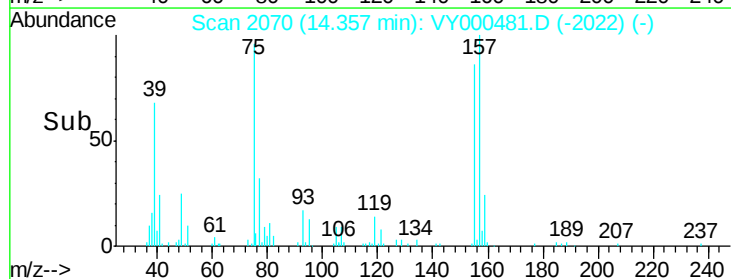
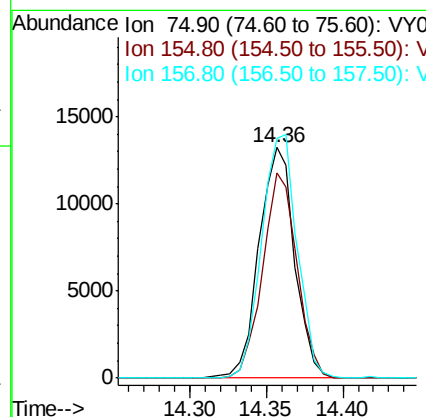
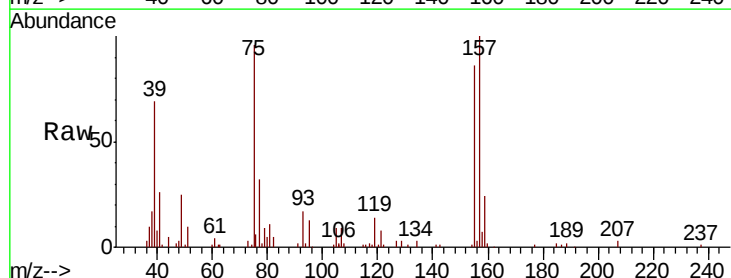
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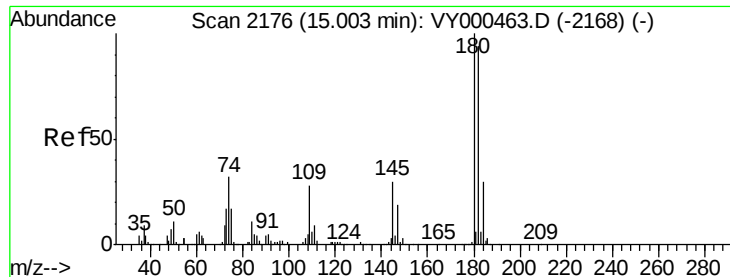
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.416 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	45.8	137.3
157	105.7	55.6	166.9





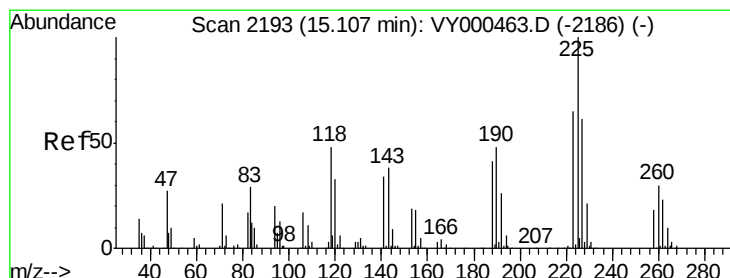
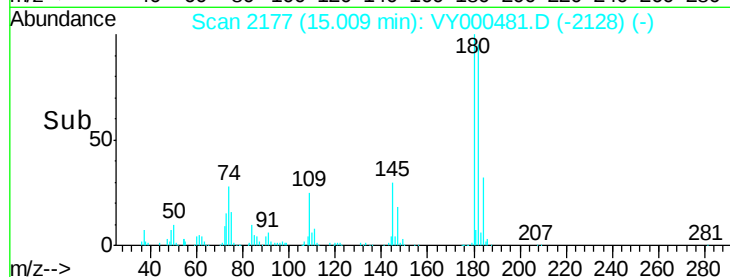
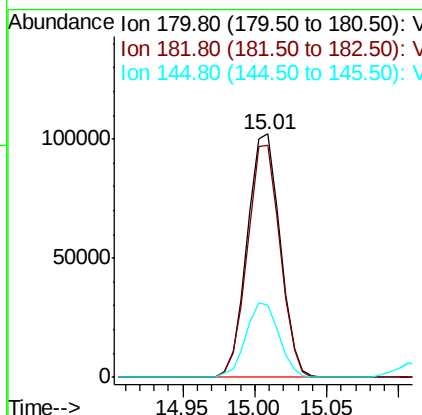
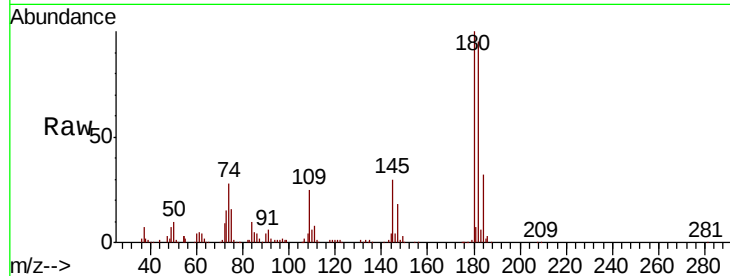
#93
 1,2,4-Trichlorobenzene
 Concen: 50.603 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160354		
182	95.1	47.5	142.6	
145	30.9	15.4	46.1	

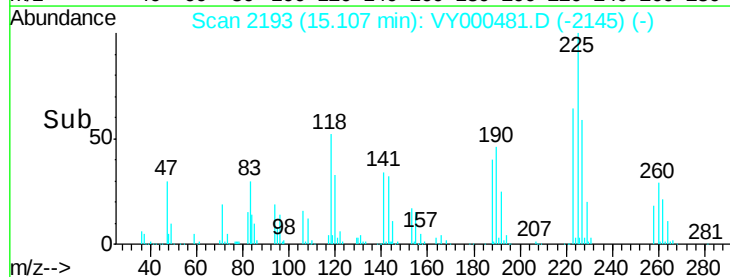
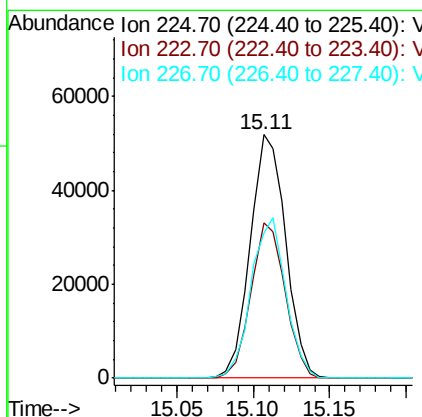
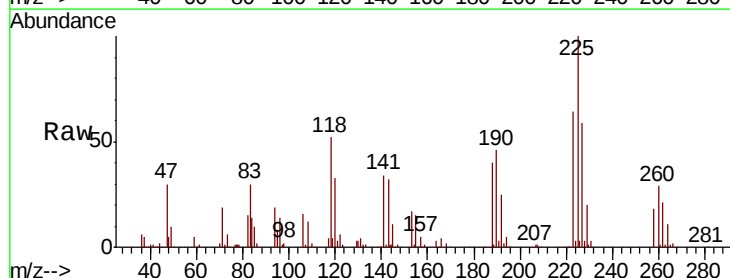
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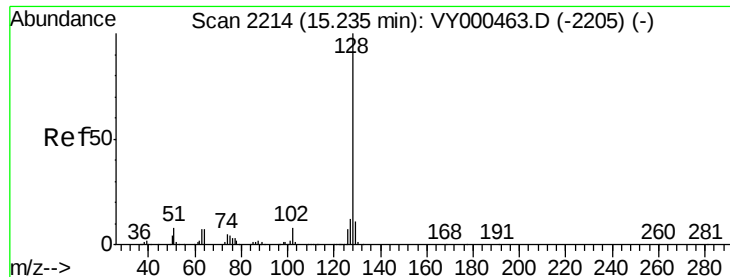
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#94
 Hexachlorobutadiene
 Concen: 48.810 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000481.D
 Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83705		
223	61.5	31.9	95.7	
227	64.5	31.4	94.2	





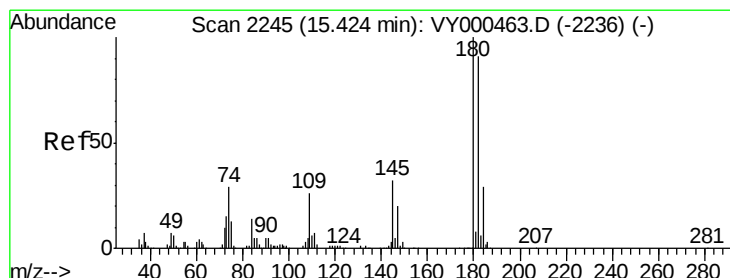
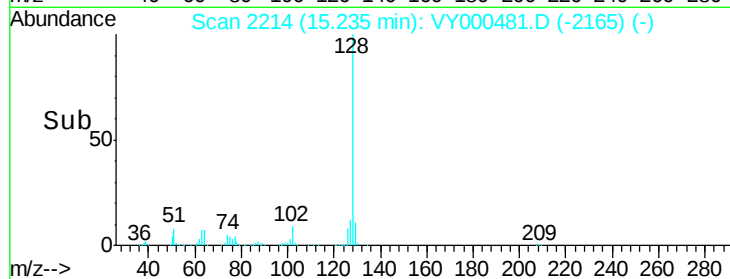
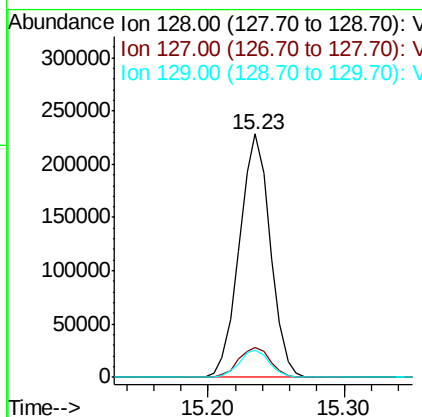
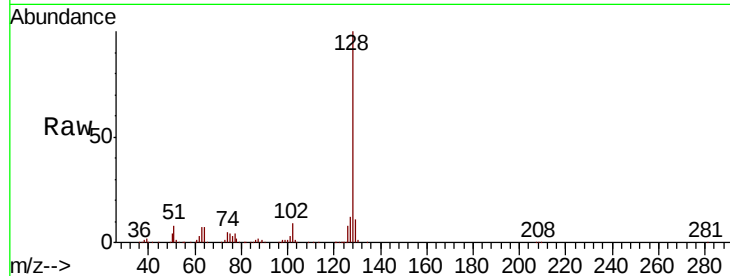
#95
Naphthalene
Concen: 51.253 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.6	14.4
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.098 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000481.D
Acq: 29 Oct 2019 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	46.5	139.5
145	34.2	16.2	48.5

