

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100319\
 Data File : VY000185.D
 Acq On : 03 Oct 2019 16:01
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:50:56 PM

Quant Time: Oct 04 05:50:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 05:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	396369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	591603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	532789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	275946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	218143	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.72	113	194782	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.18	98	745358	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.48	95	267310	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	183936	69.698	ug/l	100
3) Chloromethane	2.12	50	198046	72.414	ug/l	100
4) Vinyl Chloride	2.25	62	221875	74.820	ug/l	100
5) Bromomethane	2.63	94	152042	78.500	ug/l	100
6) Chloroethane	2.78	64	141744	68.602	ug/l	100
7) Trichlorofluoromethane	3.12	101	316071	66.787	ug/l	100
8) Diethyl Ether	3.53	74	125071	59.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	188563	63.025	ug/l	100
10) Methyl Iodide	4.09	142	343978	84.615	ug/l	100
11) Tert butyl alcohol	4.97	59	527980	265.894	ug/l	100
12) 1,1-Dichloroethene	3.87	96	192817	68.548	ug/l	100
13) Acrolein	3.73	56	186939	218.518	ug/l	100
14) Allyl chloride	4.48	41	249992	63.792	ug/l	100
15) Acrylonitrile	5.16	53	877324	275.068	ug/l	100
16) Acetone	3.94	43	689902	260.657	ug/l	100
17) Carbon Disulfide	4.19	76	536656	94.712	ug/l	100
18) Methyl Acetate	4.48	43	379310	51.305	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	618116	54.448	ug/l	100
20) Methylene Chloride	4.71	84	202874	58.552	ug/l	100
21) trans-1,2-Dichloroethene	5.22	96	206636	68.112	ug/l	100
22) Diisopropyl ether	6.12	45	580896	55.885	ug/l	100
23) Vinyl Acetate	6.07	43	2741715	306.759	ug/l	100
24) 1,1-Dichloroethane	6.02	63	326911	58.782	ug/l	100
25) 2-Butanone	6.99	43	1301770	276.640	ug/l	100
26) 2,2-Dichloropropane	6.99	77	313143	57.883	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	239442	60.018	ug/l	100
28) Bromochloromethane	7.34	49	112511	51.415	ug/l	100
29) Tetrahydrofuran	7.35	42	923473	294.135	ug/l	100
30) Chloroform	7.51	83	354984	55.720	ug/l	100
31) Cyclohexane	7.78	56	315192	77.310	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	327849	60.314	ug/l	100
36) 1,1-Dichloropropene	7.92	75	266863	68.876	ug/l	100
37) Ethyl Acetate	7.08	43	422029	58.270	ug/l	100
38) Carbon Tetrachloride	7.90	117	306971	64.625	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	365074	79.841	ug/l	100
40) Benzene	8.16	78	832401	64.783	ug/l	100
41) Methacrylonitrile	7.32	41	163418m	47.593	ug/l	
42) 1,2-Dichloroethane	8.24	62	266166	59.578	ug/l	100
43) Isopropyl Acetate	8.28	43	563389	57.685	ug/l	100
44) Trichloroethene	8.94	130	257573	64.233	ug/l	100
45) 1,2-Dichloropropane	9.22	63	193200	58.627	ug/l	100
46) Dibromomethane	9.31	93	148206	60.424	ug/l	100
47) Bromodichloromethane	9.50	83	283641	56.608	ug/l	100
48) Methyl methacrylate	9.30	41	249361	57.306	ug/l	100
49) 1,4-Dioxane	9.30	88	158025	1164.928	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	2171855	282.043	ug/l	100
52) Toluene	10.25	92	546121	64.263	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	332923	60.509	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	350906	61.161	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	220604	56.453	ug/l	100
56) Ethyl methacrylate	10.51	69	357792	58.995	ug/l	100
57) 1,3-Dichloropropane	10.80	76	348898	57.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	714634	230.925	ug/l	100
59) 2-Hexanone	10.83	43	1850446	285.252	ug/l	100
60) Dibromochloromethane	10.99	129	257651	57.317	ug/l	100
61) 1,2-Dibromoethane	11.09	107	243891	61.556	ug/l	100
64) Tetrachloroethene	10.72	164	268377	64.672	ug/l	100
65) Chlorobenzene	11.52	112	605870	59.960	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	227394	54.573	ug/l	100
67) Ethyl Benzene	11.60	91	1043161	61.876	ug/l	100
68) m/p-Xylenes	11.70	106	835582	124.913	ug/l	100
69) o-Xylene	12.03	106	403290	60.156	ug/l	100
70) Styrene	12.05	104	679510	58.855	ug/l	100
71) Bromoform	12.21	173	209160	54.492	ug/l #	100
73) Isopropylbenzene	12.33	105	1057519	58.007	ug/l	100
74) N-amyl acetate	12.14	43	452740	56.438	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	331298	51.207	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	245764m	50.795	ug/l	
77) Bromobenzene	12.61	156	275200	54.853	ug/l	100
78) n-propylbenzene	12.67	91	1212654	59.486	ug/l	100
79) 2-Chlorotoluene	12.76	91	691357	57.559	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	888234	58.101	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	147877	54.721	ug/l	100
82) 4-Chlorotoluene	12.86	91	722121	56.465	ug/l	100
83) tert-Butylbenzene	13.08	119	778927	55.901	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	889810	58.645	ug/l	100
85) sec-Butylbenzene	13.25	105	1073053	57.538	ug/l	100
86) p-Isopropyltoluene	13.37	119	977434	57.139	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	492287	54.335	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	503559	53.386	ug/l	100
89) n-Butylbenzene	13.70	91	886976	59.034	ug/l	100
90) Hexachloroethane	13.96	117	185923	54.841	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	487388	52.945	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	114633	52.803	ug/l	100

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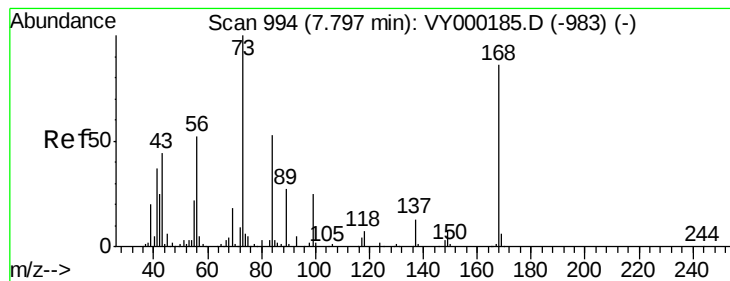
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	356152	52.858	ug/l	100
94) Hexachlorobutadiene	15.11	225	175598	56.085	ug/l	100
95) Naphthalene	15.23	128	1239100	52.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	348929	52.352	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 396369

Ion Ratio Lower Upper

168 100

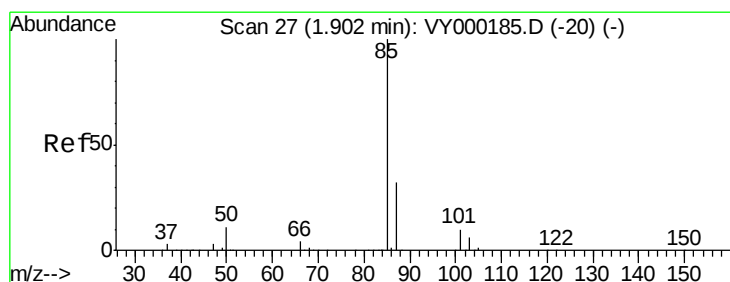
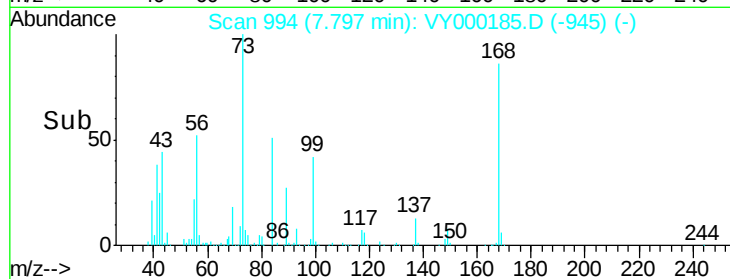
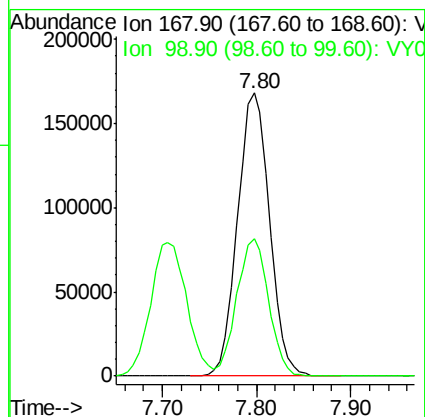
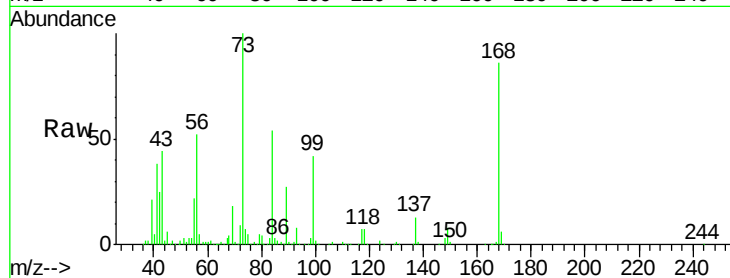
99 48.8 39.0 58.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 69.698 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000185.D

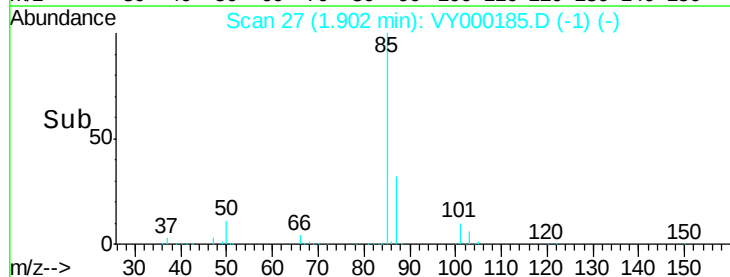
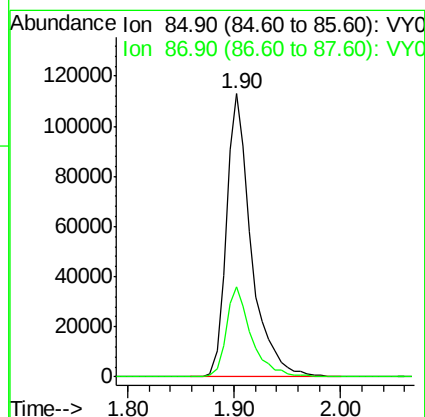
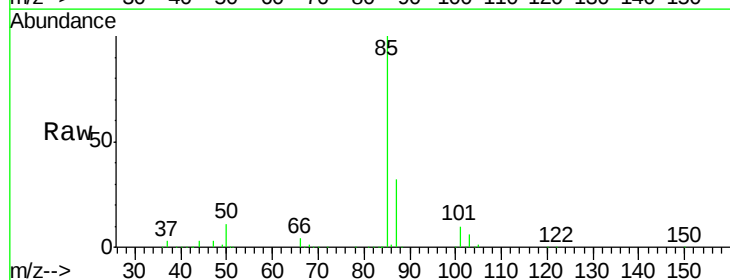
Acq: 03 Oct 2019 16:01

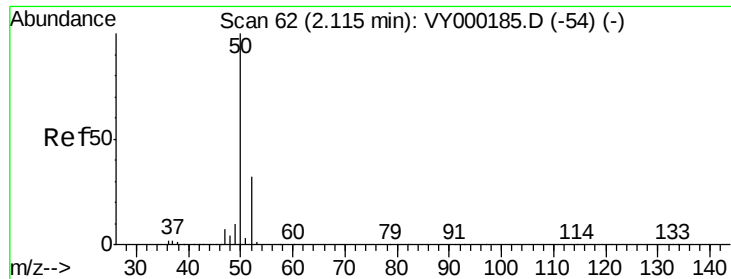
Tgt Ion: 85 Resp: 183936

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





#3

Chloromethane

Concen: 72.414 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 198046

Ion Ratio Lower Upper

50 100

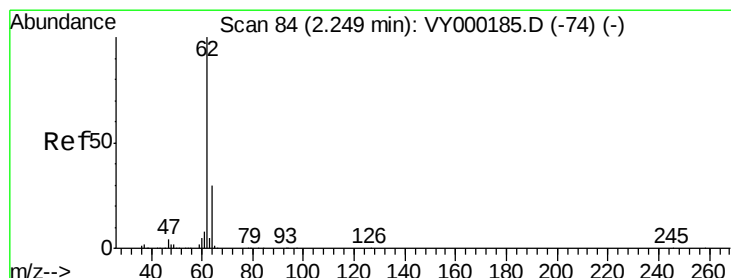
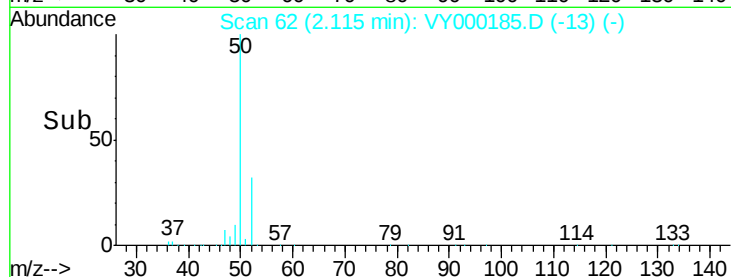
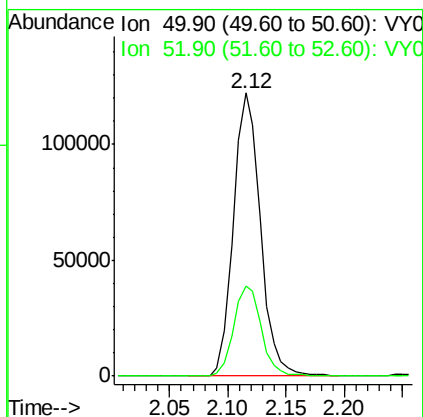
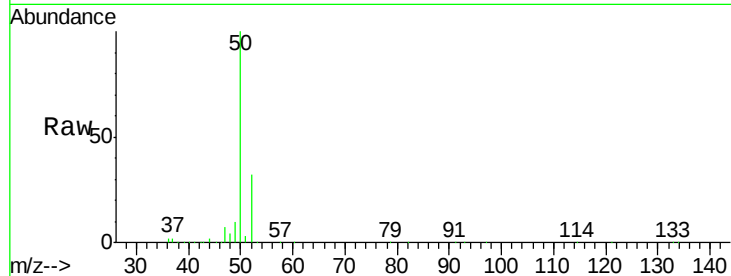
52 31.6 25.3 37.9

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#4

Vinyl Chloride

Concen: 74.820 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000185.D

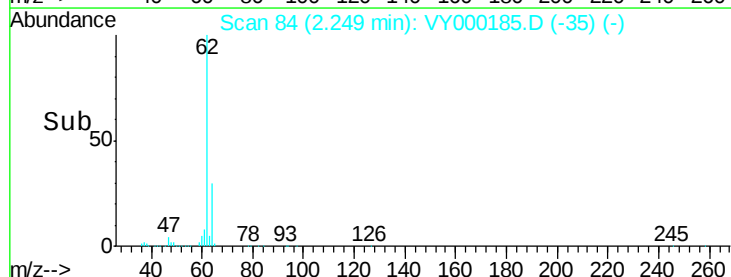
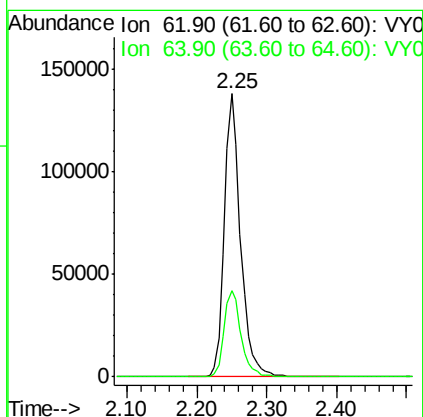
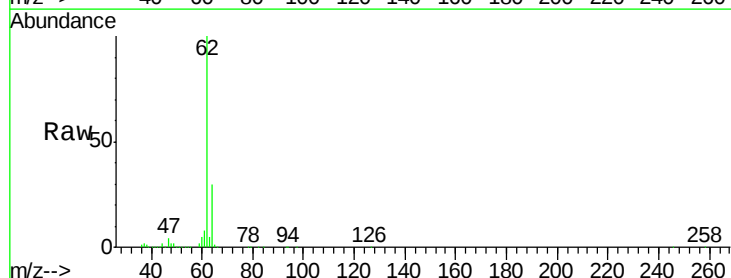
Acq: 03 Oct 2019 16:01

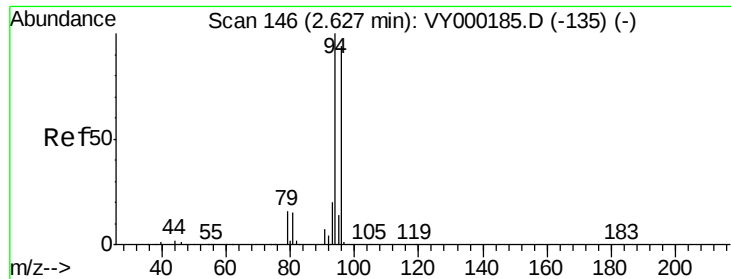
Tgt Ion: 62 Resp: 221875

Ion Ratio Lower Upper

62 100

64 30.4 24.3 36.5





#5

Bromomethane

Concen: 78.500 ug/l

RT: 2.63 min Scan# 146

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 152042

Ion Ratio Lower Upper

94 100

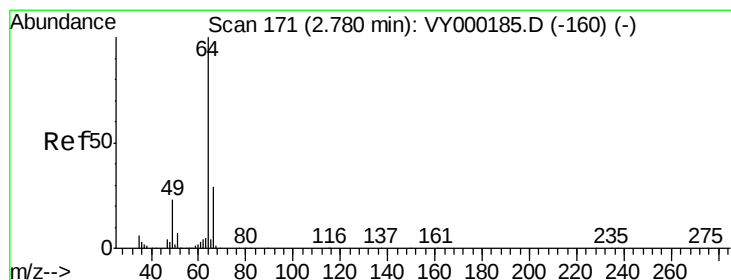
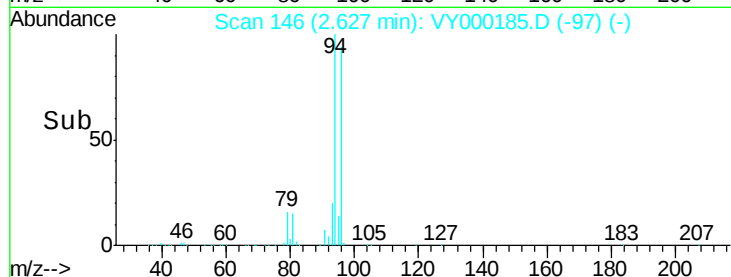
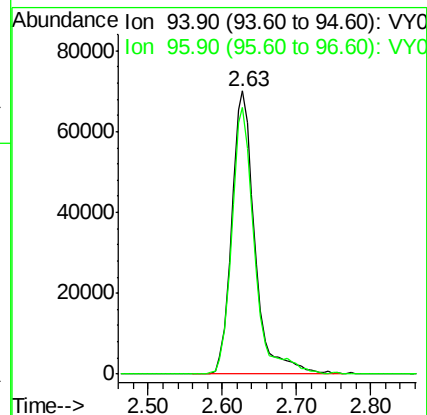
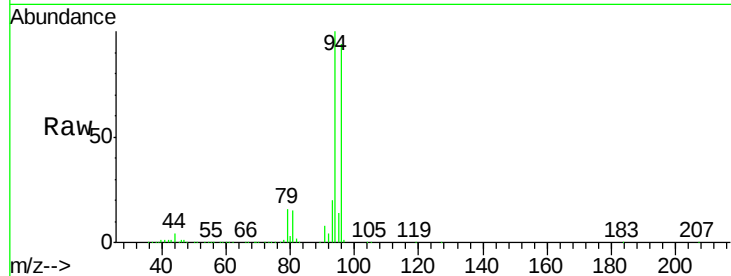
96 94.1 75.3 112.9

Manual Integrations

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#6

Chloroethane

Concen: 68.602 ug/l

RT: 2.78 min Scan# 171

Delta R.T. 0.00 min

Lab File: VY000185.D

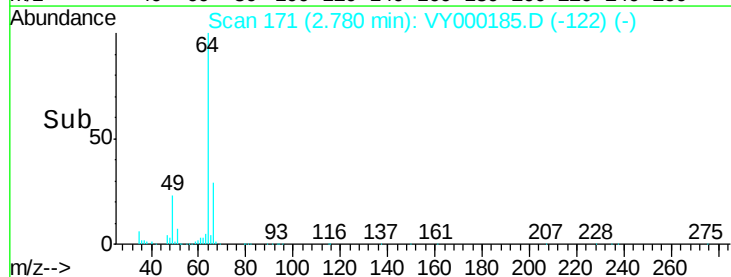
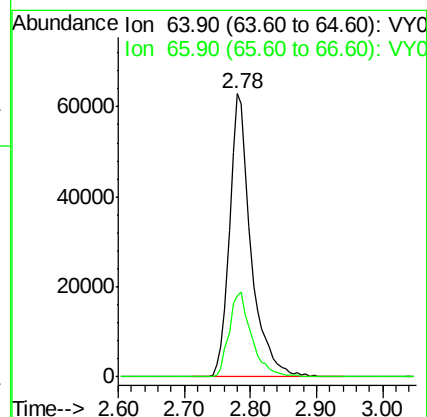
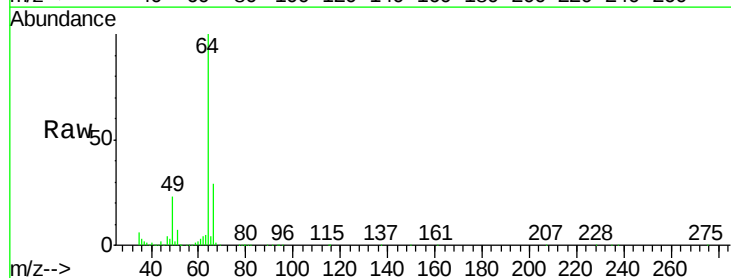
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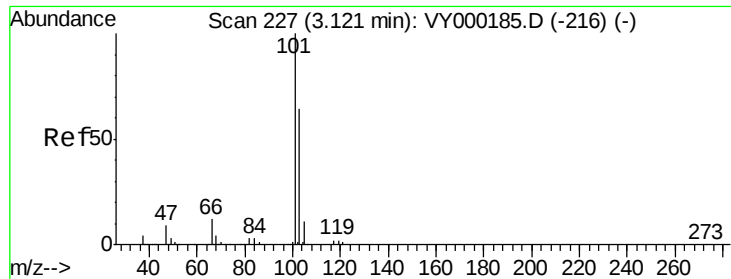
Tgt Ion: 64 Resp: 141744

Ion Ratio Lower Upper

64 100

66 28.9 23.1 34.7





#7

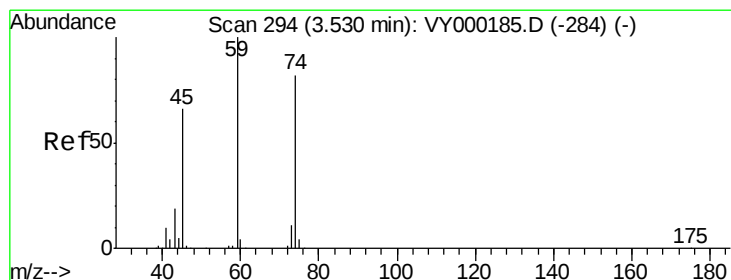
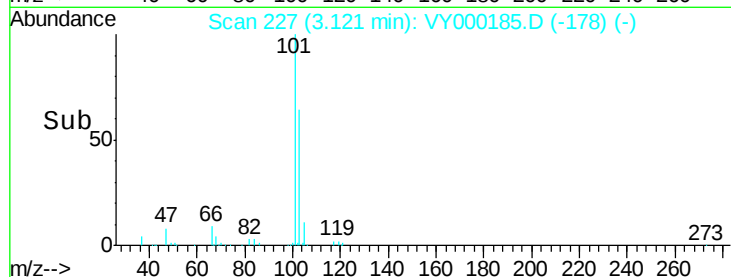
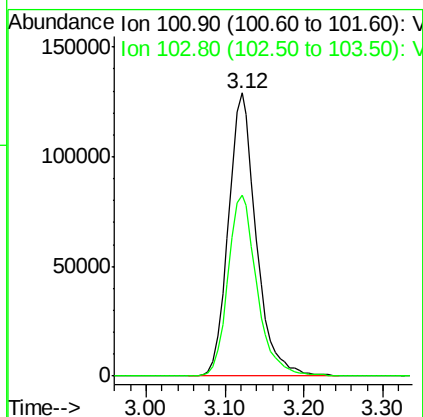
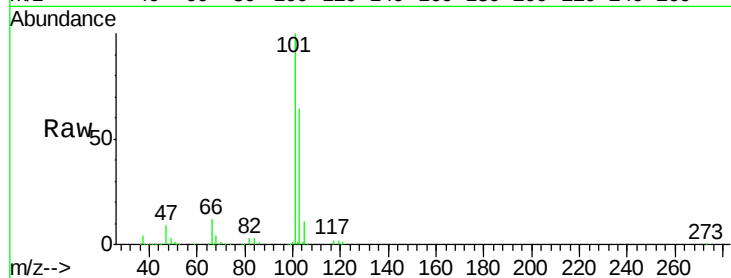
Trichlorofluoromethane
Concen: 66.787 ug/l
RT: 3.12 min Scan# 227
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

Manual Integrations
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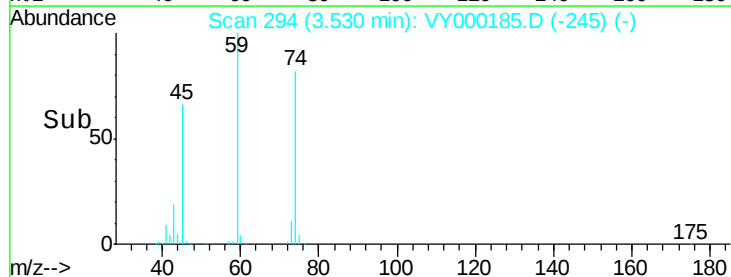
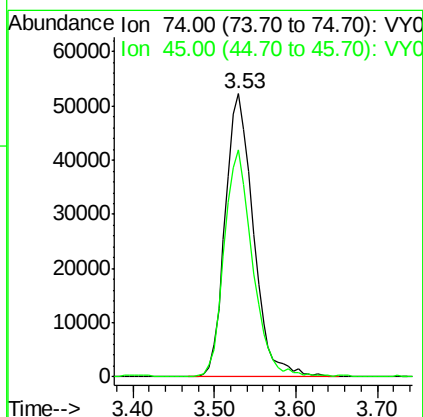
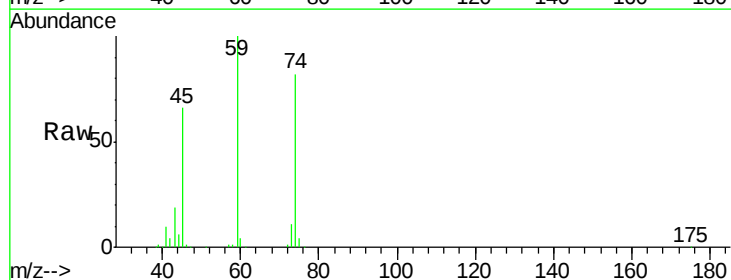
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10/7/2019 12:50:56 PM

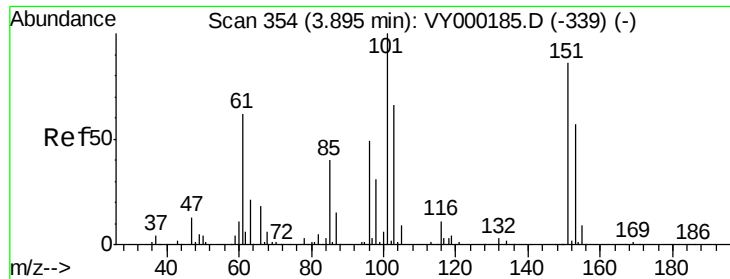


#8

Diethyl Ether
Concen: 59.716 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.1	40.6	121.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.025 ug/l

RT: 3.90 min Scan# 354

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

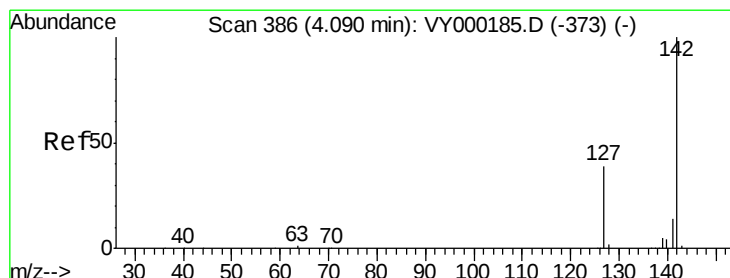
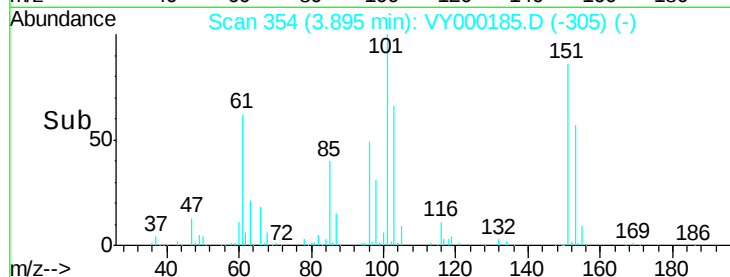
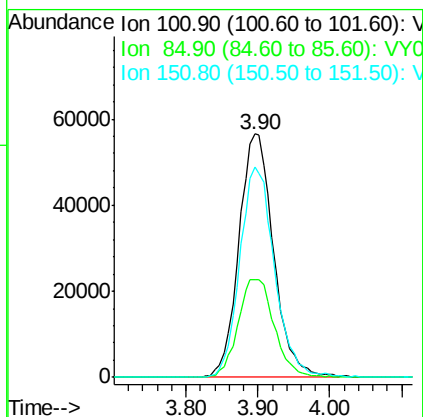
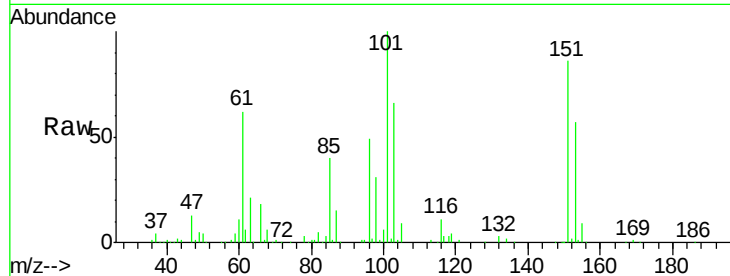
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	188563
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	87.1	69.7	104.5

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#10

Methyl Iodide

Concen: 84.615 ug/l

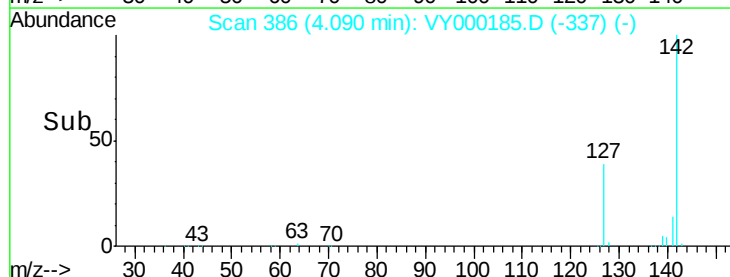
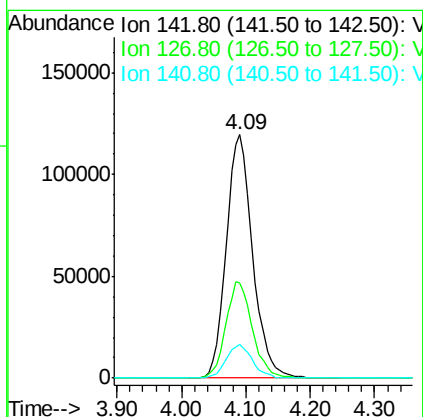
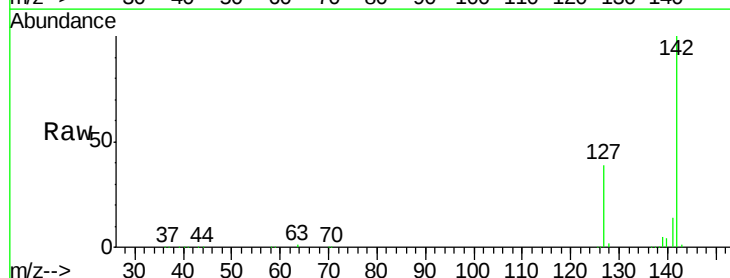
RT: 4.09 min Scan# 386

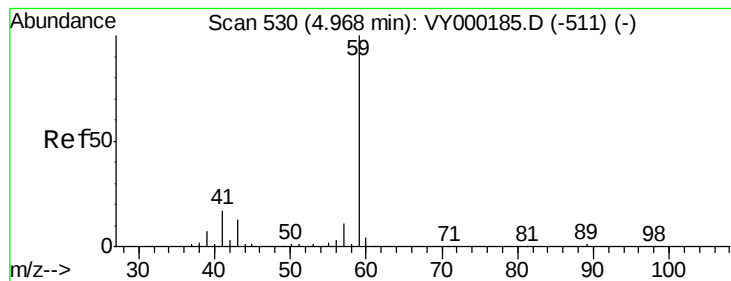
Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:	142	Resp:	343978
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.7	47.5
141	13.8	11.0	16.6





#11

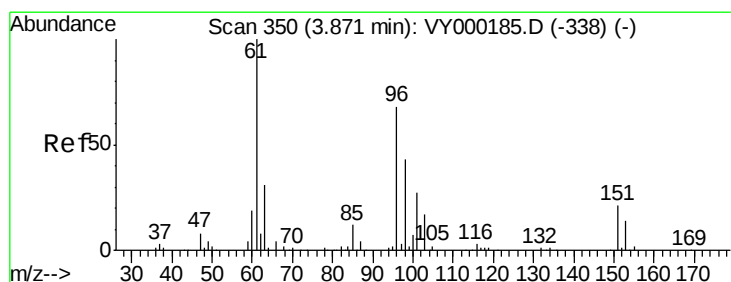
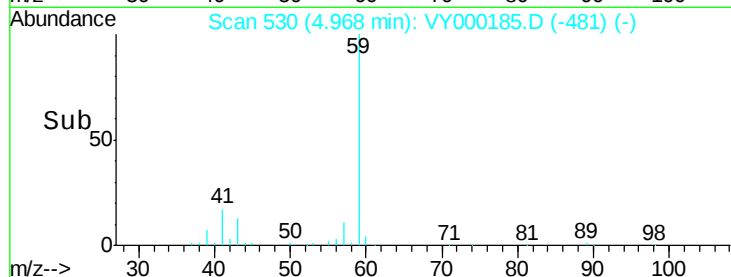
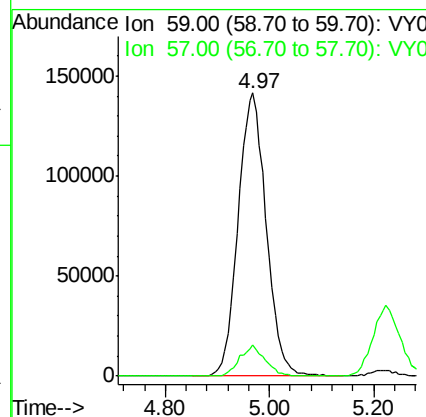
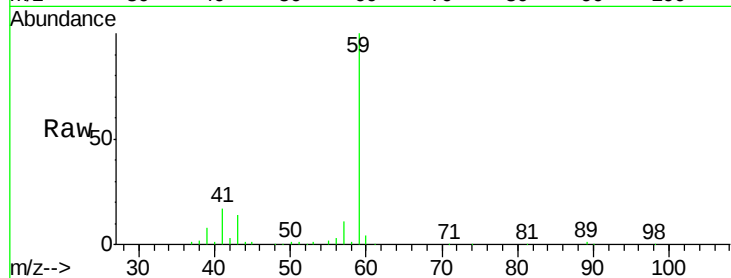
Tert butyl alcohol
Concen: 265.894 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

Manual Integrations
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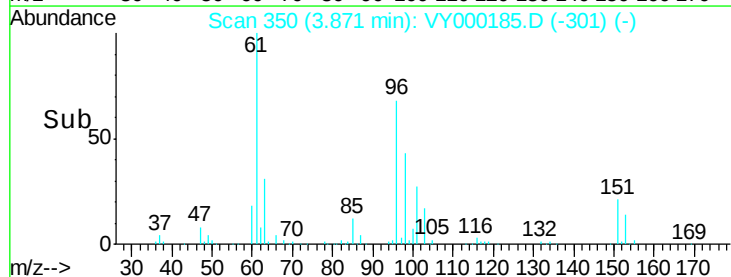
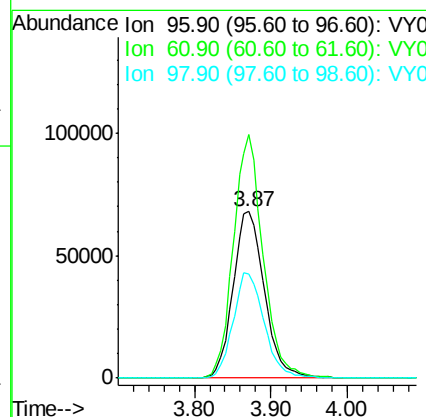
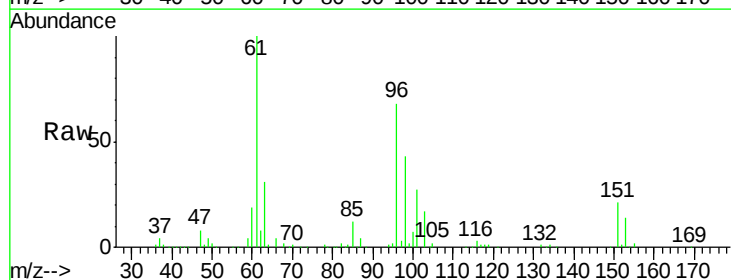
MMDadoda
10/7/2019 12:50:56 PM

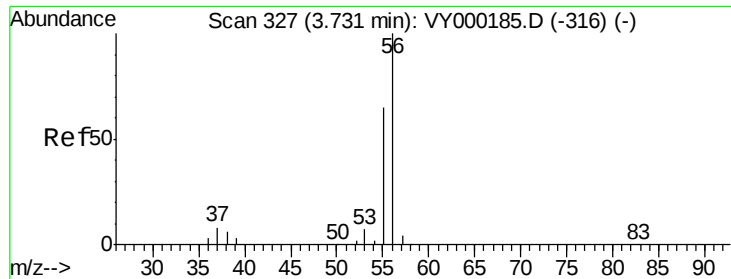


#12

1,1-Dichloroethene
Concen: 68.548 ug/l
RT: 3.87 min Scan# 350
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	117.1	175.7
98	62.9	50.3	75.5





#13

Acrolein

Concen: 218.518 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 186939

Ion Ratio Lower Upper

56 100

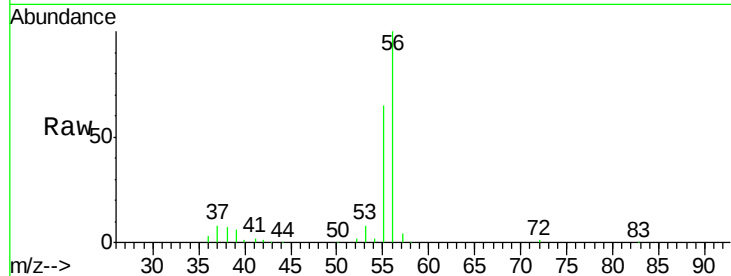
55 69.4 55.5 83.3

Manual Integrations

APPROVED

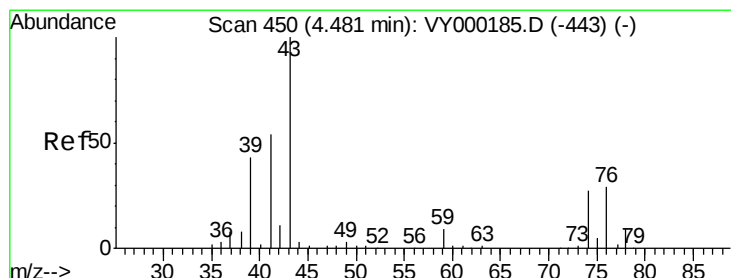
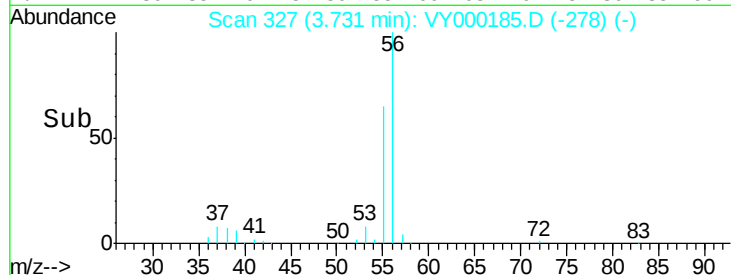
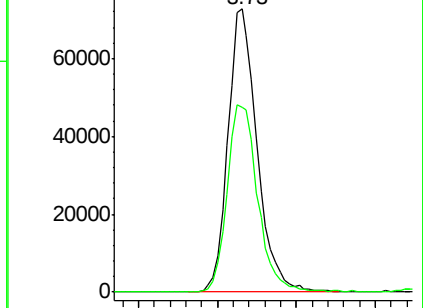
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 63.792 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

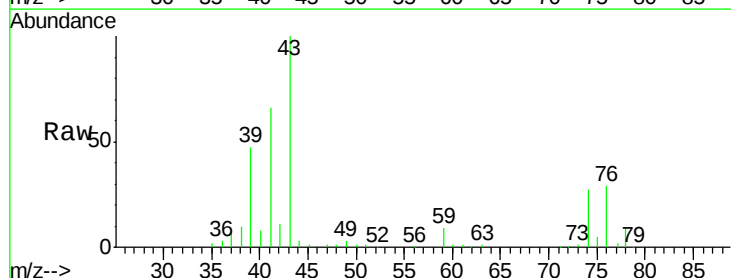
Tgt Ion: 41 Resp: 249992

Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.6

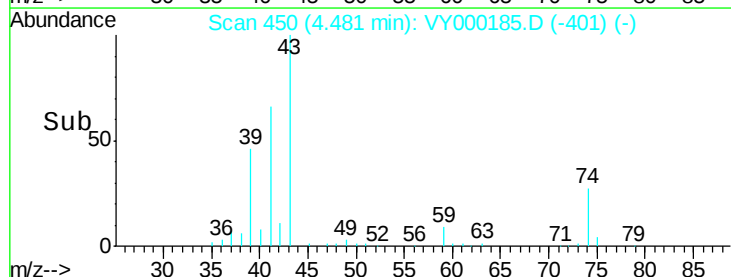
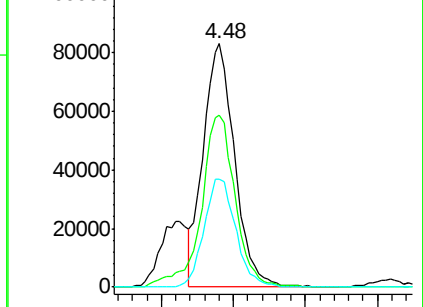
76 45.3 36.2 54.4

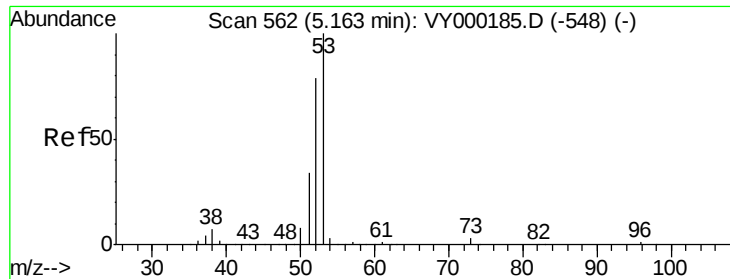


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 275.068 ug/l

RT: 5.16 min Scan# 562

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

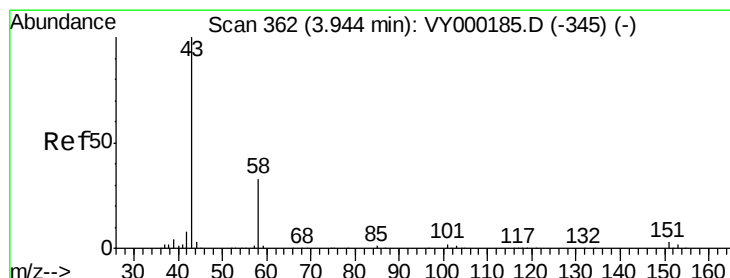
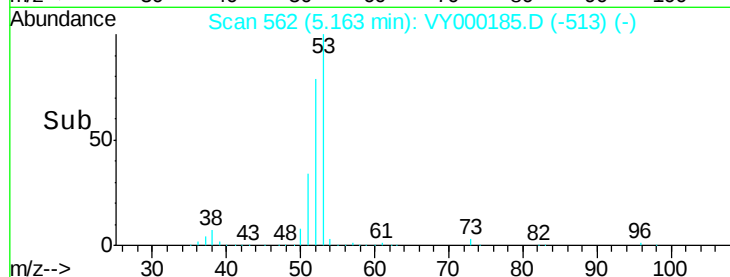
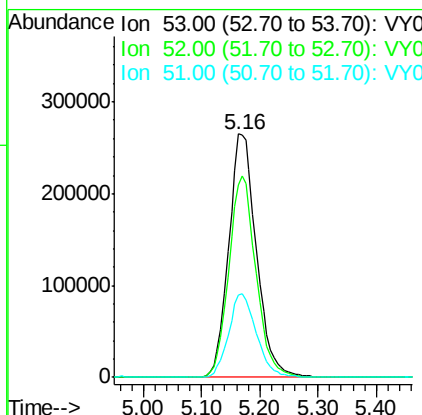
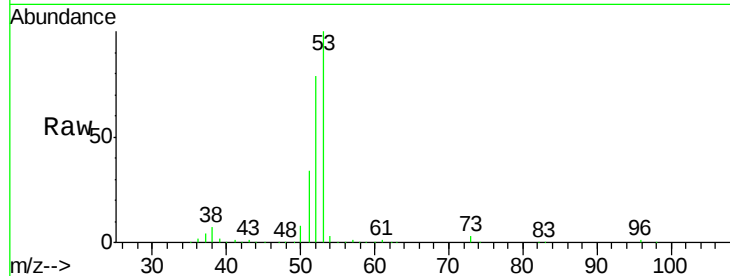
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	877324
Ion	Ratio	Lower	Upper
53	100		
52	81.0	64.8	97.2
51	34.6	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 260.657 ug/l

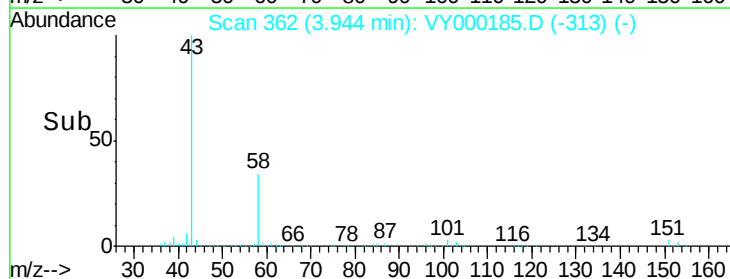
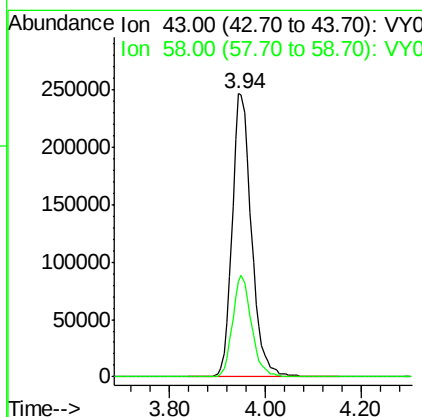
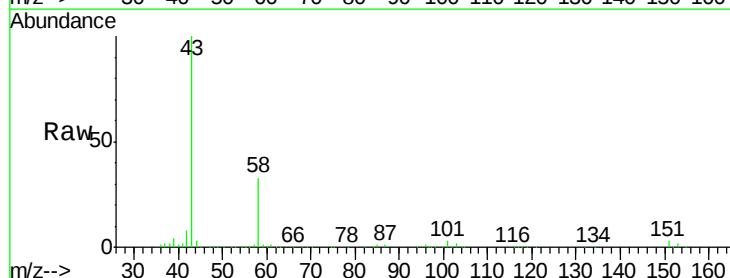
RT: 3.94 min Scan# 362

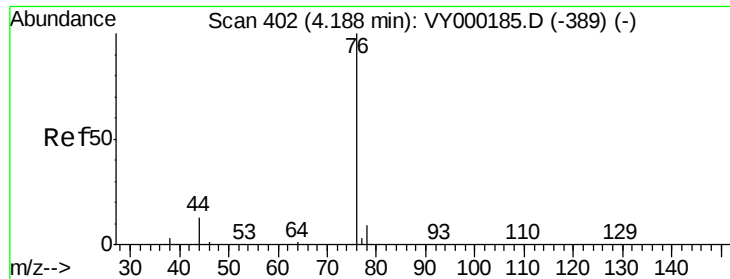
Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:	43	Resp:	689902
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.8	40.2





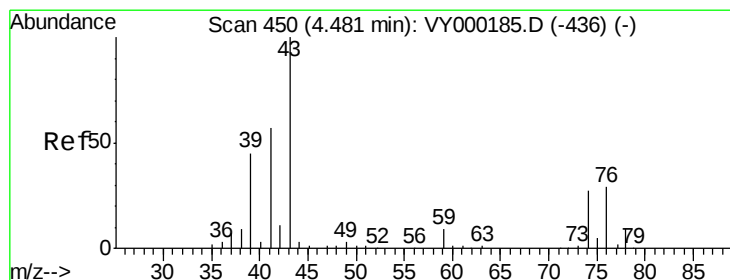
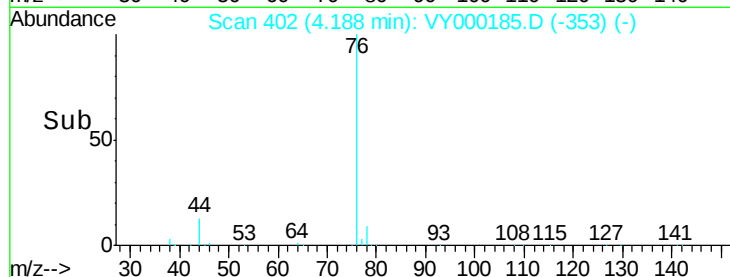
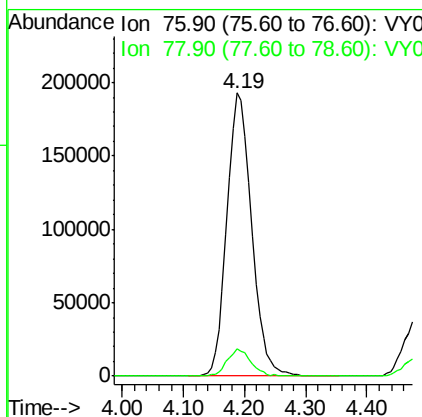
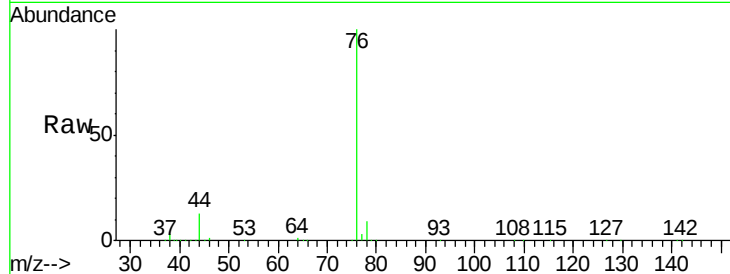
#17
Carbon Disulfide
Concen: 94.712 ug/l
RT: 4.19 min Scan# 402
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

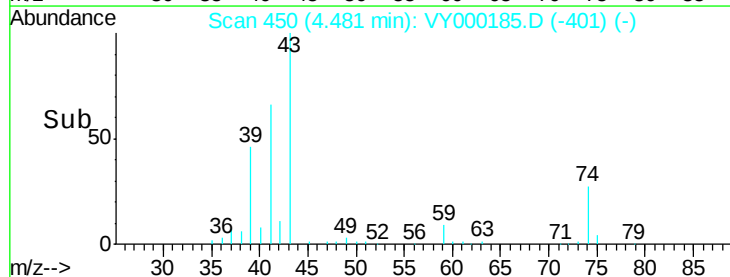
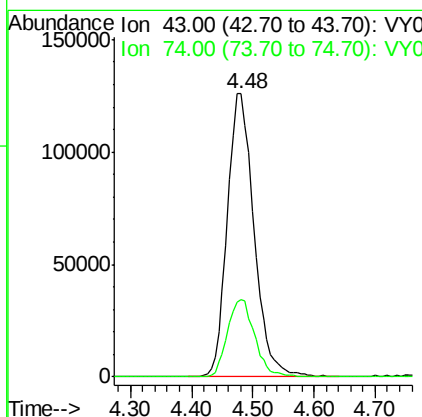
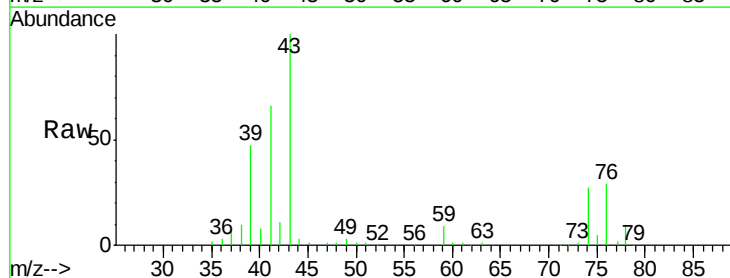
Manual Integrations
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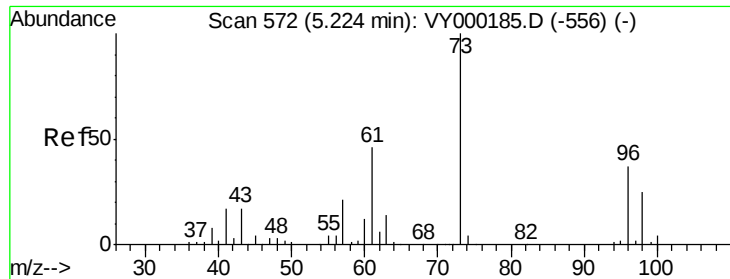
MMDadoda
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#18
Methyl Acetate
Concen: 51.305 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	22.3	33.5





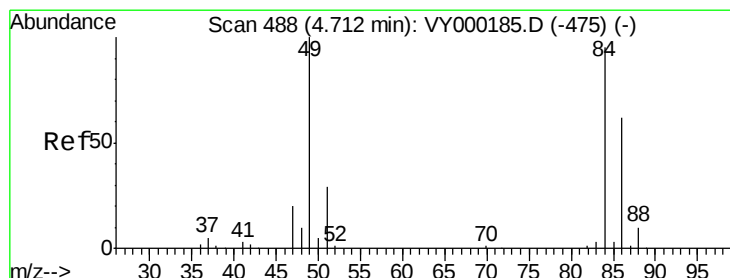
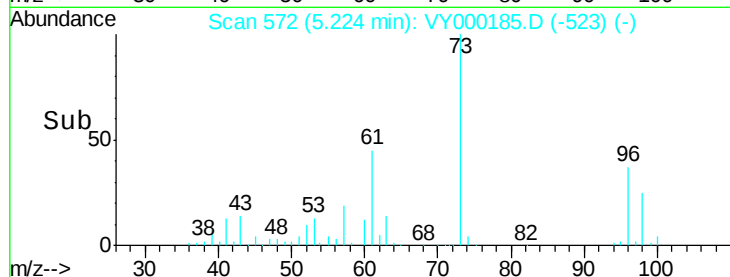
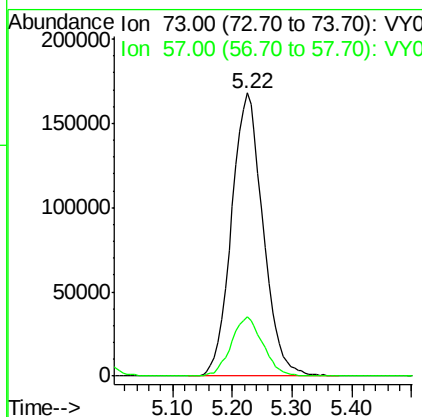
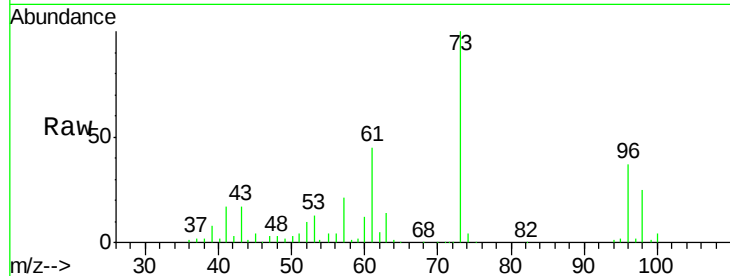
#19
Methvl tert-butvl Ether
Concen: 54.448 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 618116
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3

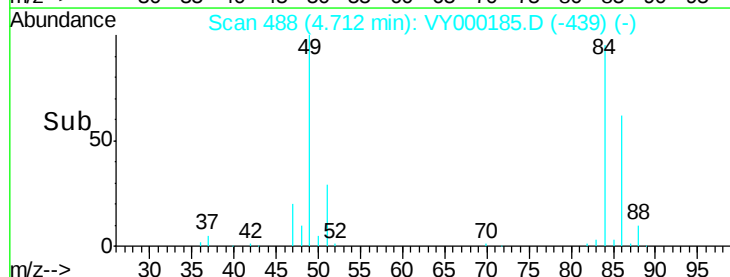
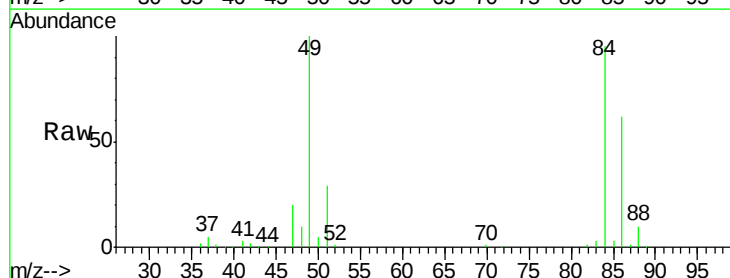
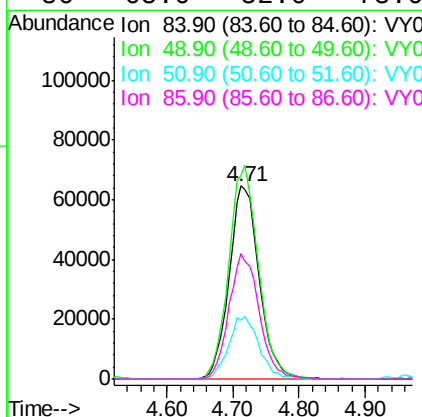
Manual Integrations
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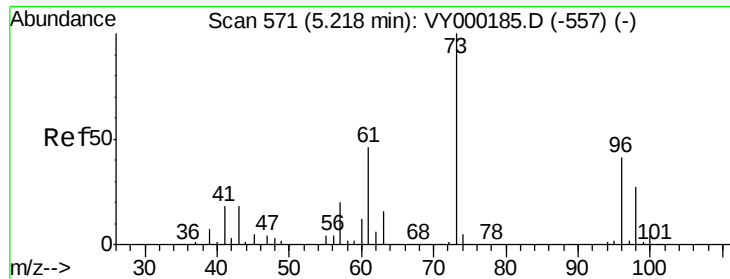
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#20
Methylene Chloride
Concen: 58.552 ug/l
RT: 4.71 min Scan# 488
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 84 Resp: 202874
Ion Ratio Lower Upper
84 100
49 105.3 84.2 126.4
51 30.8 24.6 37.0
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 68.112 ug/l

RT: 5.22 min Scan# 571

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

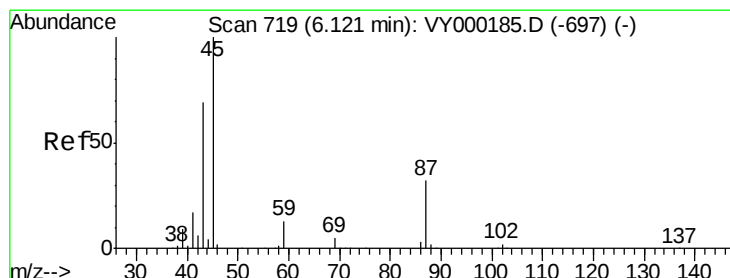
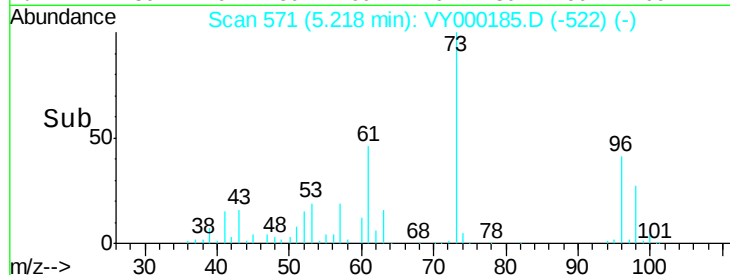
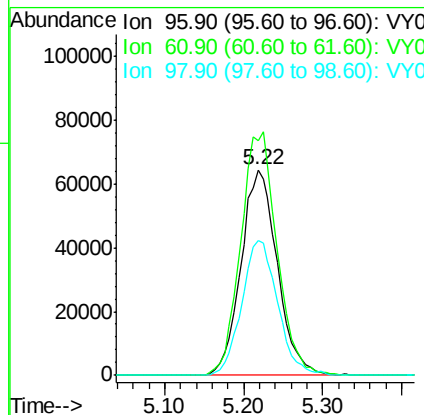
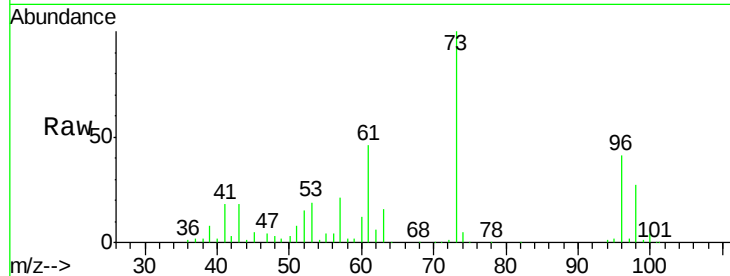
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	206636
Ion	Ratio	Lower	Upper
96	100		
61	114.2	91.4	137.0
98	65.6	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.885 ug/l

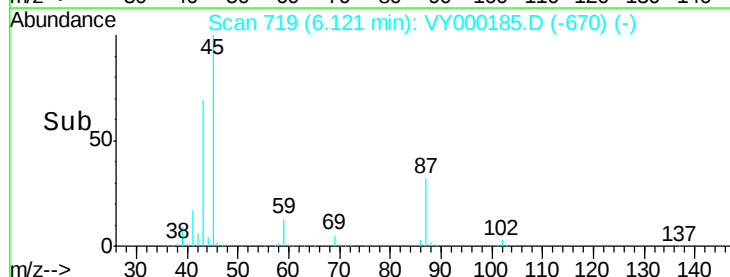
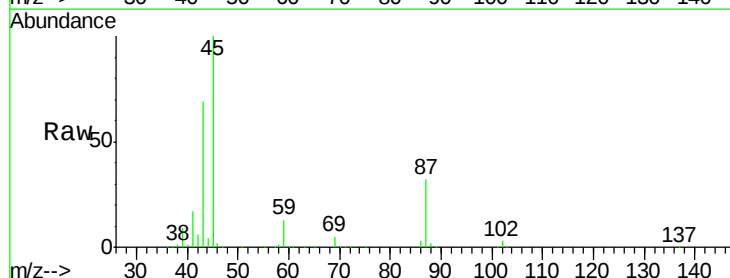
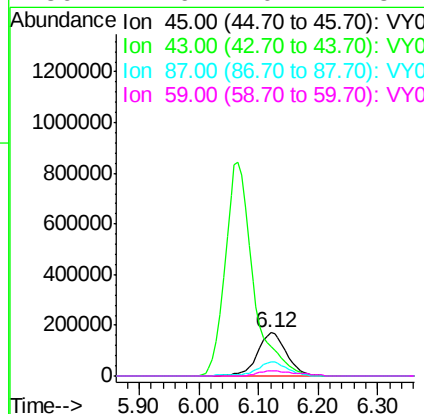
RT: 6.12 min Scan# 719

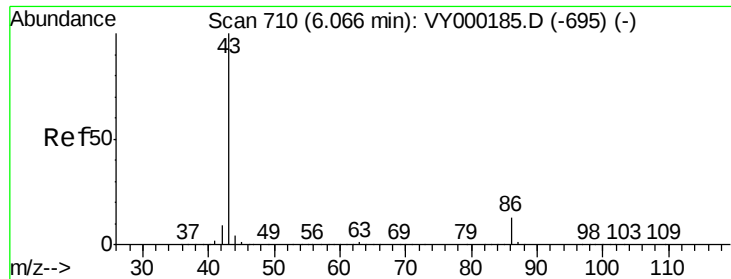
Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:	45	Resp:	580896
Ion	Ratio	Lower	Upper
45	100		
43	69.2	55.4	83.0
87	32.3	25.8	38.8
59	12.6	10.1	15.1





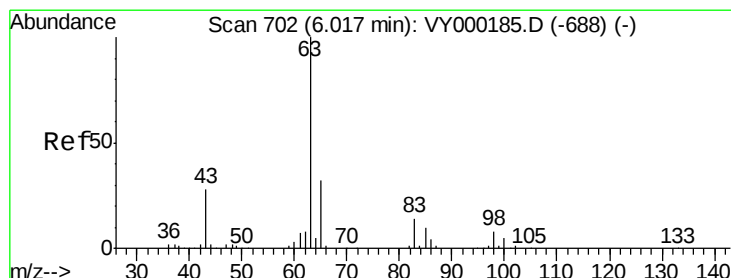
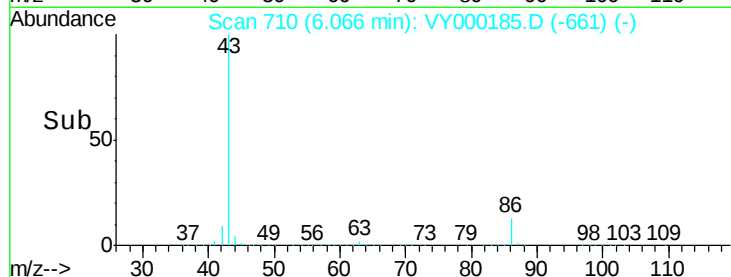
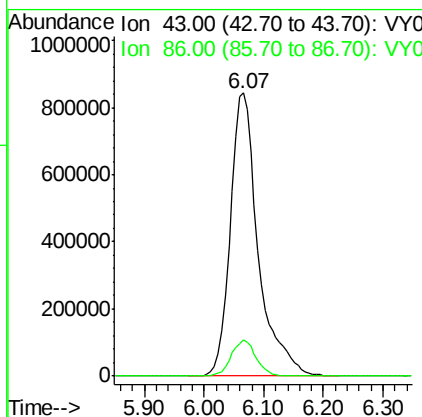
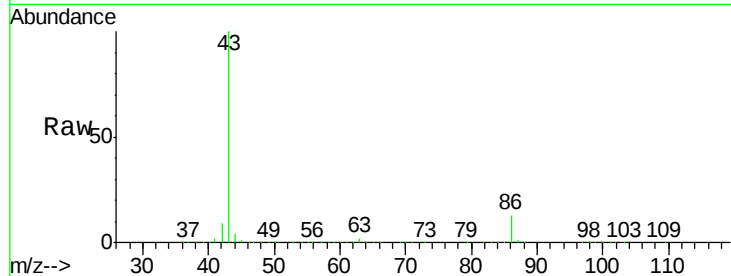
#23
 Vinyl Acetate
 Concen: 306.759 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2741715
 Ion Ratio Lower Upper
 43 100
 86 12.7 10.2 15.2

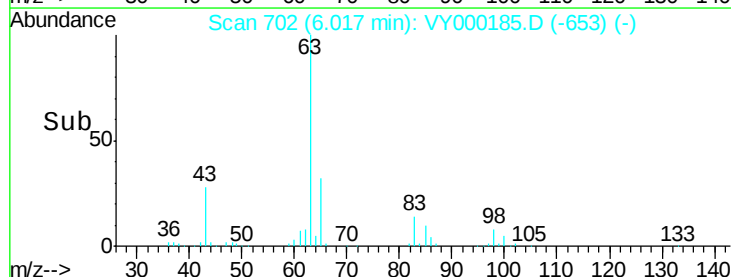
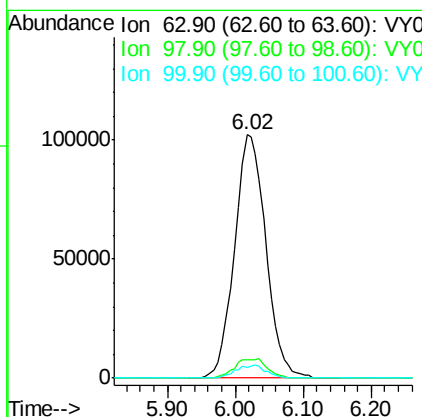
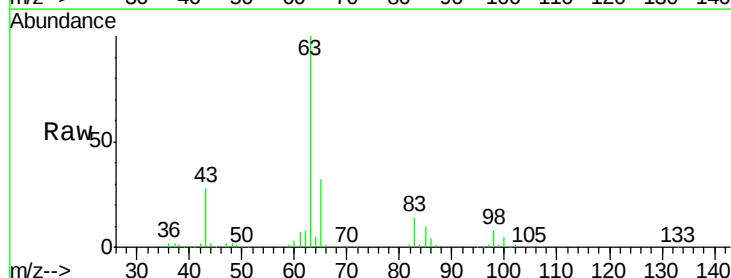
Manual Integrations
 APPROVED

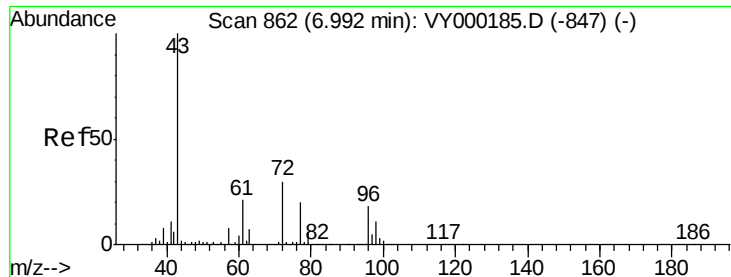
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#24
 1,1-Dichloroethane
 Concen: 58.782 ug/l
 RT: 6.02 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion: 63 Resp: 326911
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.5
 100 4.6 2.3 6.9





#25

2-Butanone

Concen: 276.640 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1301770

Ion Ratio Lower Upper

43 100

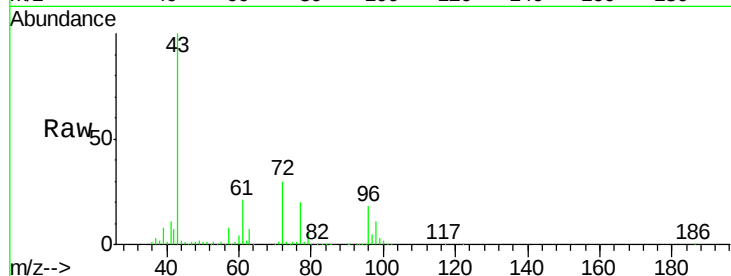
72 30.0 24.0 36.0

Manual Integrations

APPROVED

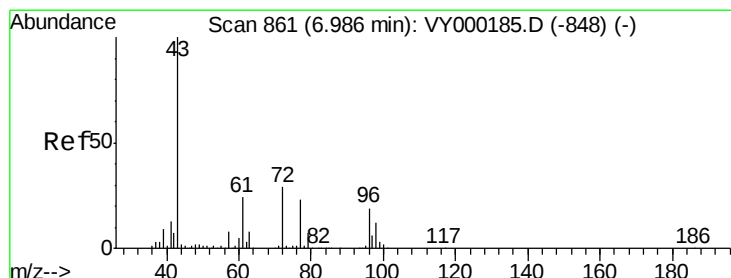
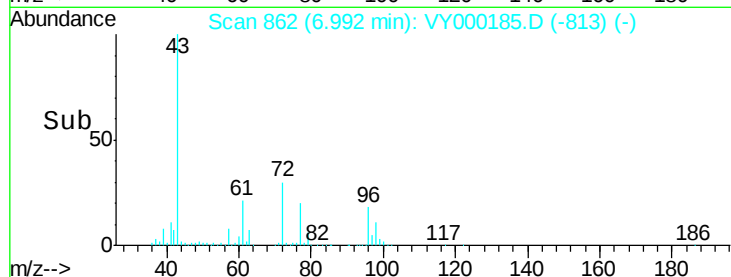
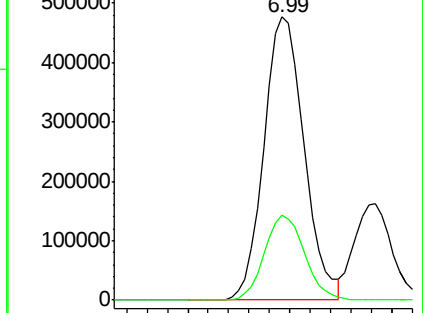
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 57.883 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY000185.D

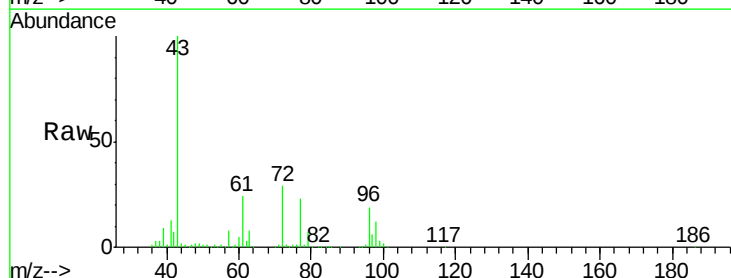
Acq: 03 Oct 2019 16:01

Tgt Ion: 77 Resp: 313143

Ion Ratio Lower Upper

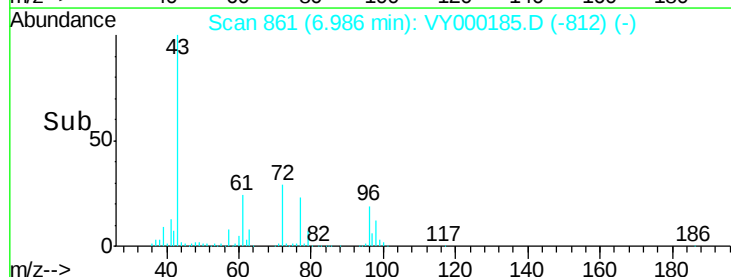
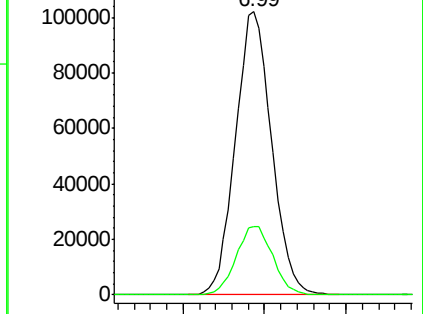
77 100

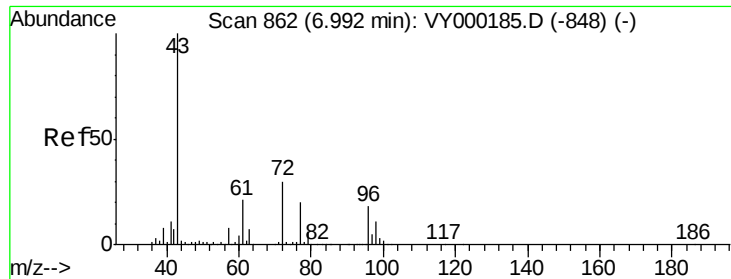
97 24.6 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

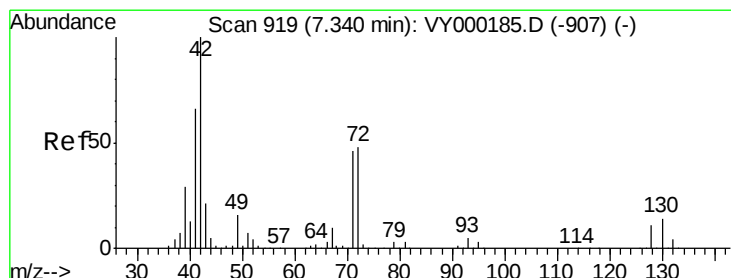
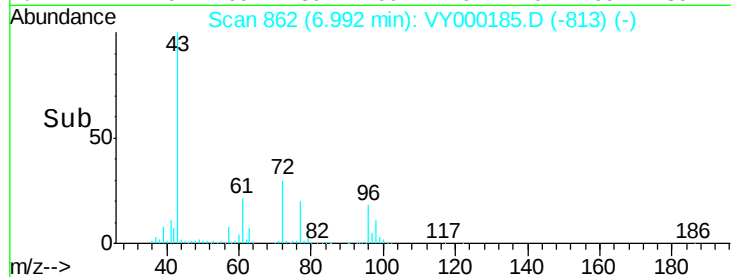
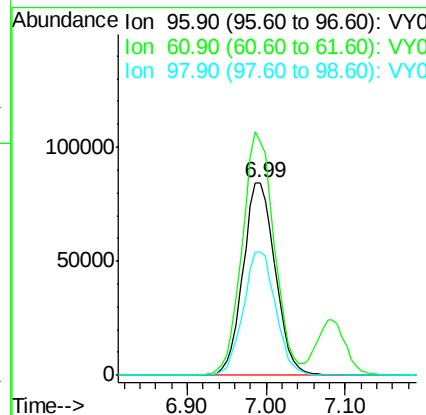
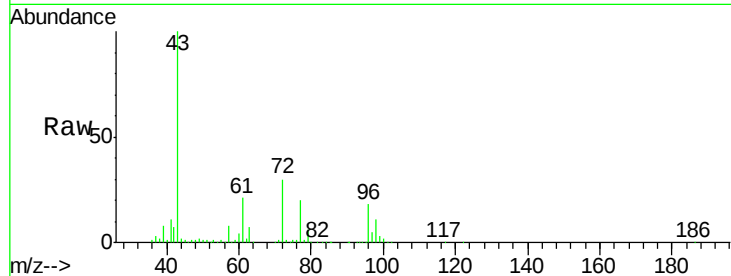
cis-1,2-Dichloroethene
Concen: 60.018 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	239442		
61	125.7		0.0	251.4
98	64.7		0.0	129.4

Manual Integrations
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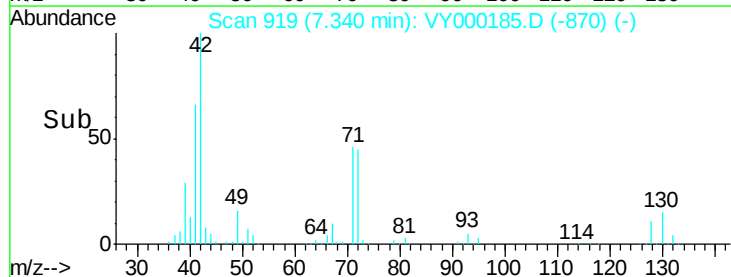
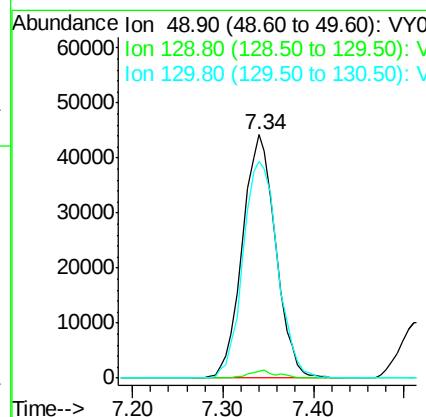
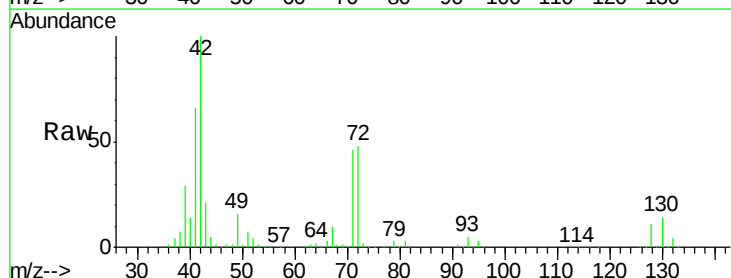
MMDadoda
10/7/2019 12:50:56 PM

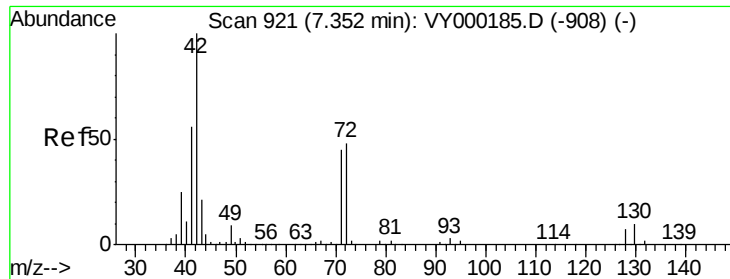


#28

Bromochloromethane
Concen: 51.415 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112511		
129	2.7		0.0	5.4
130	92.8		74.2	111.4





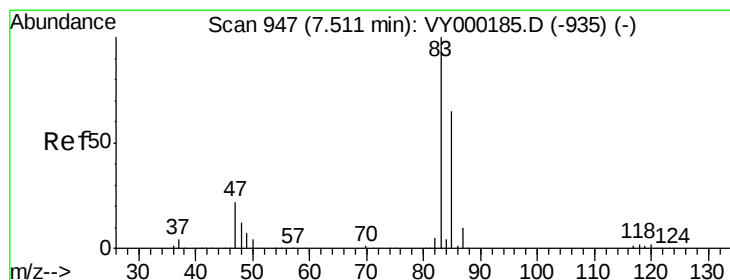
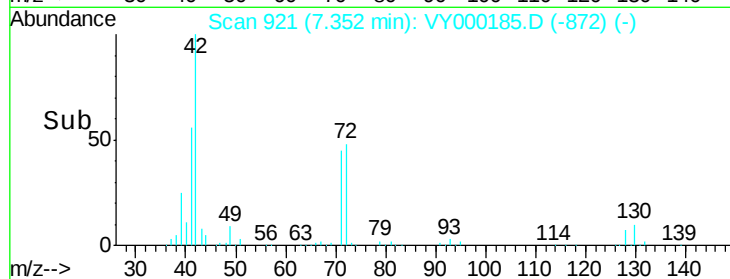
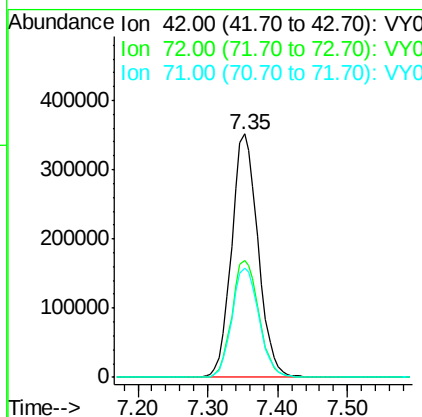
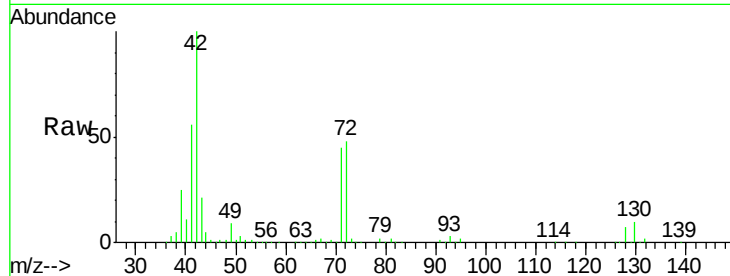
#29
Tetrahydrofuran
Concen: 294.135 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.3	58.9
71	45.9	36.7	55.1

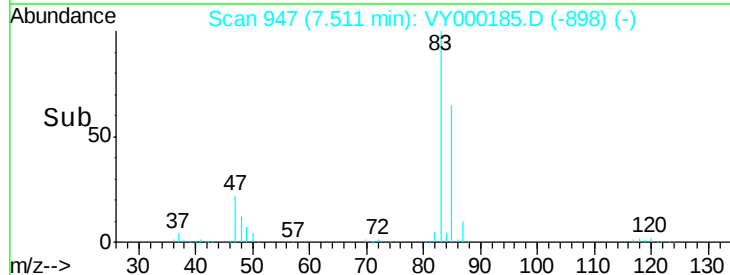
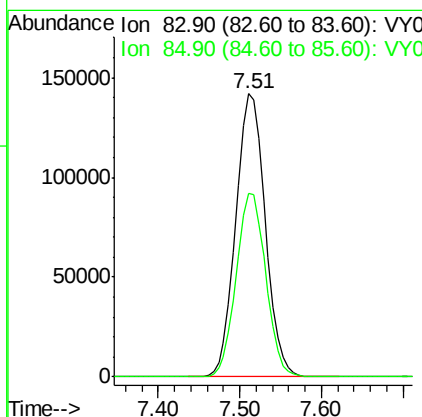
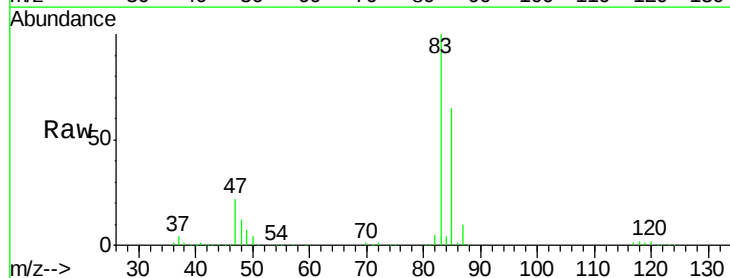
Manual Integrations
APPROVED

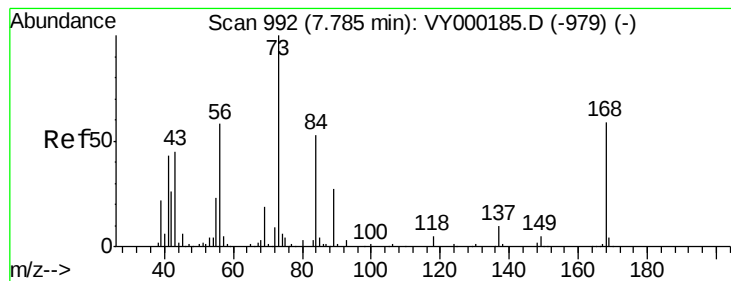
MMDadoda
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#30
Chloroform
Concen: 55.720 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cvclohexane

Concen: 77.310 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 315192

Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

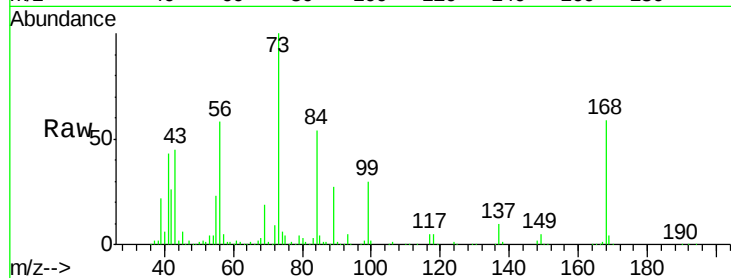
84 92.2 73.8 110.6

Manual Integrations

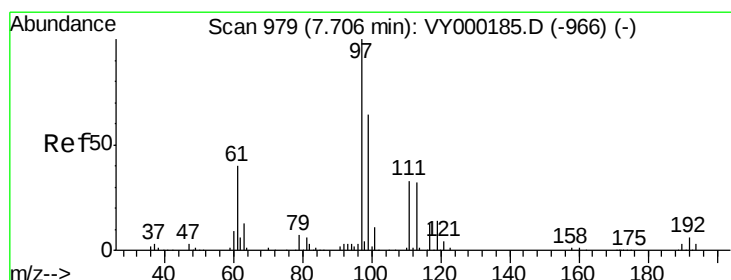
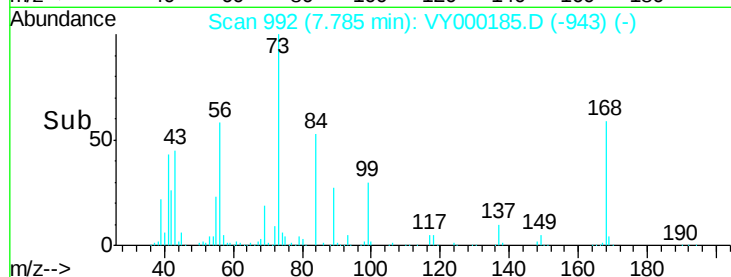
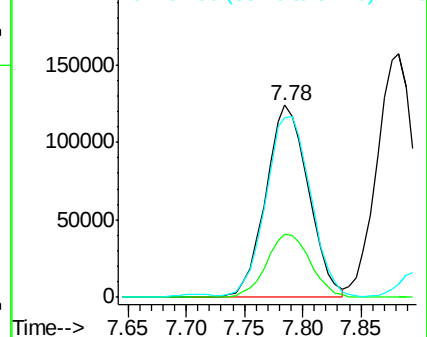
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 60.314 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

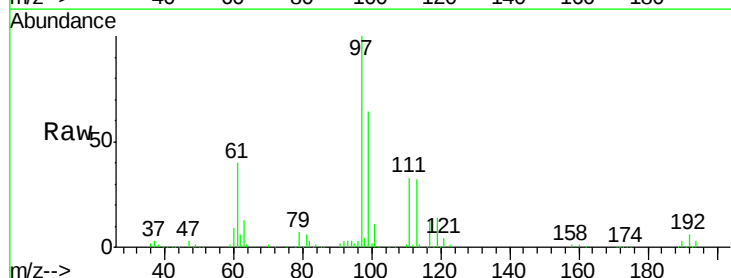
Tgt Ion: 97 Resp: 327849

Ion Ratio Lower Upper

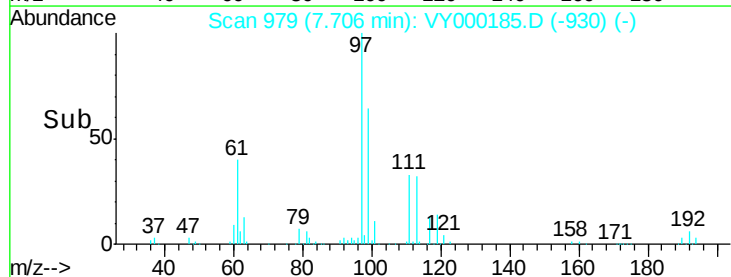
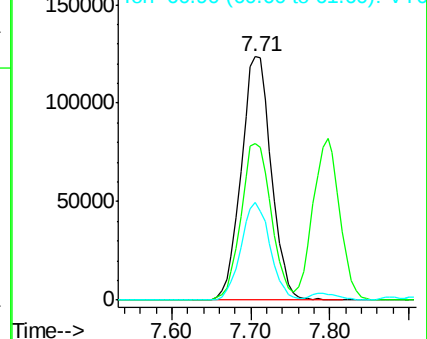
97 100

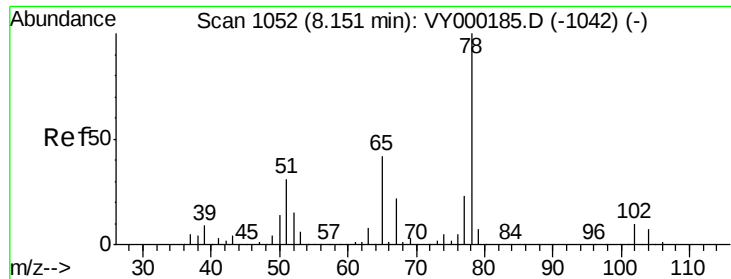
99 64.8 51.8 77.8

61 39.0 31.2 46.8



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.651 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 218143

Ion Ratio Lower Upper

65 100

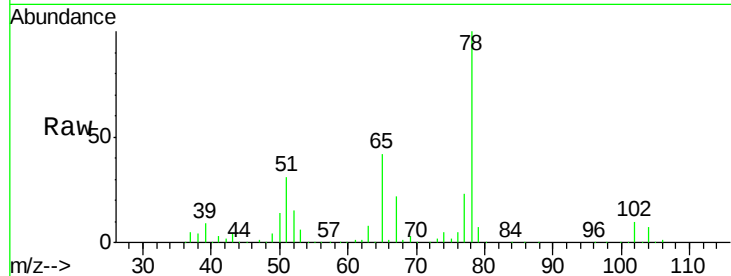
67 52.3 0.0 104.6

Manual Integrations

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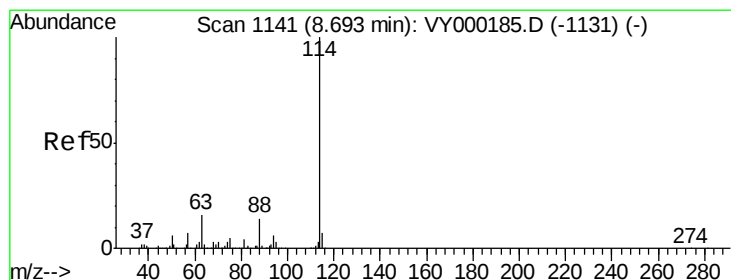
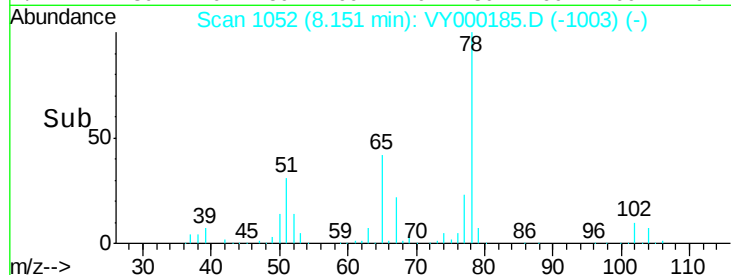
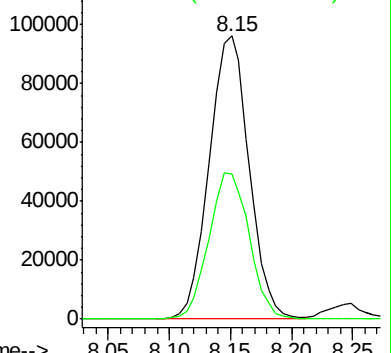
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

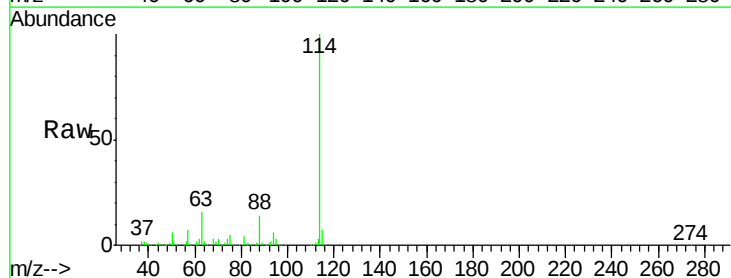
Tgt Ion: 114 Resp: 591603

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.0

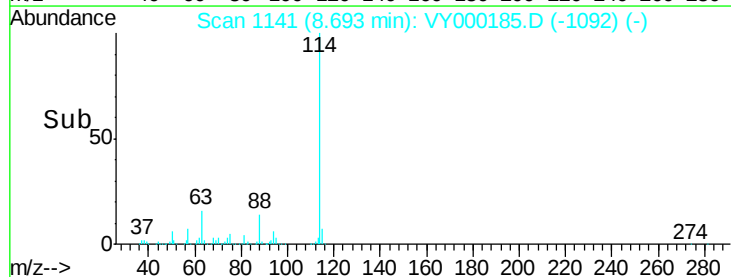
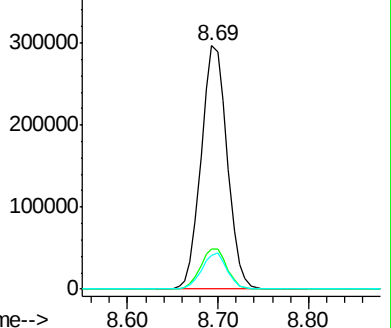
88 13.8 0.0 27.6

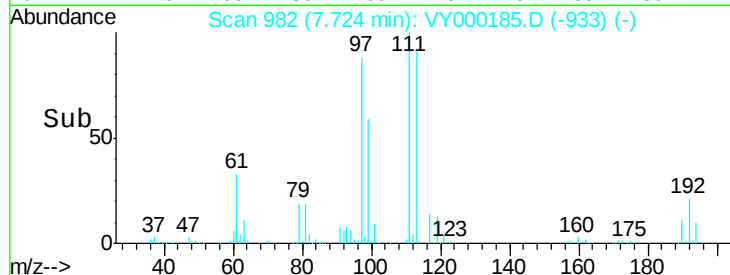
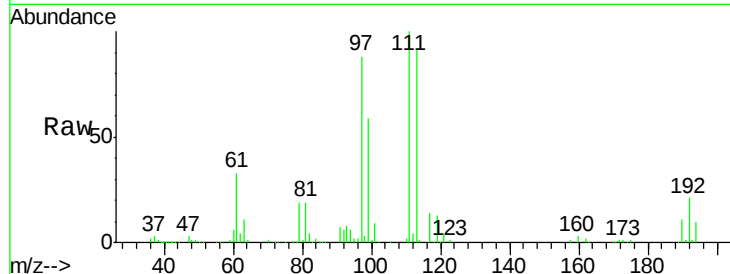
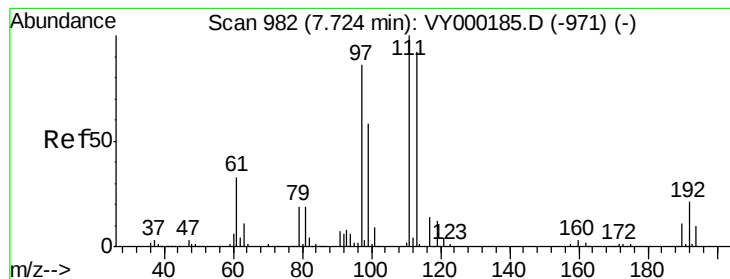


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.073 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tot Ion	113	Resp	194782
Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.6	125.4
192	23.0	18.4	27.6

Instrument :

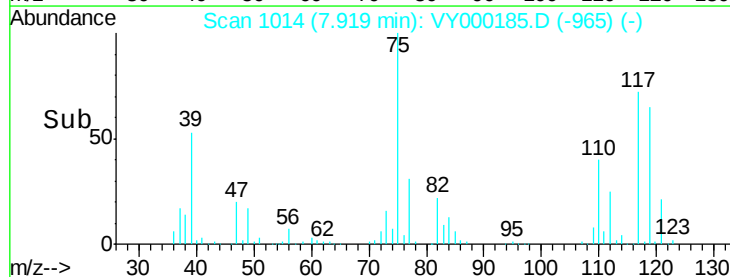
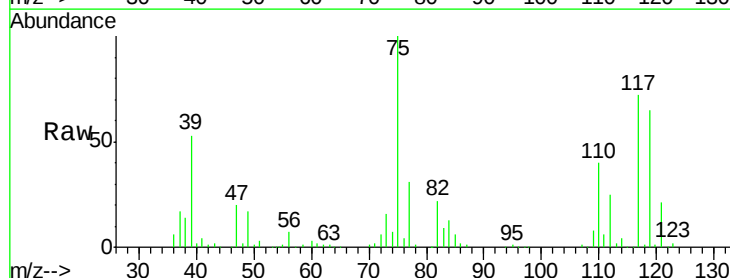
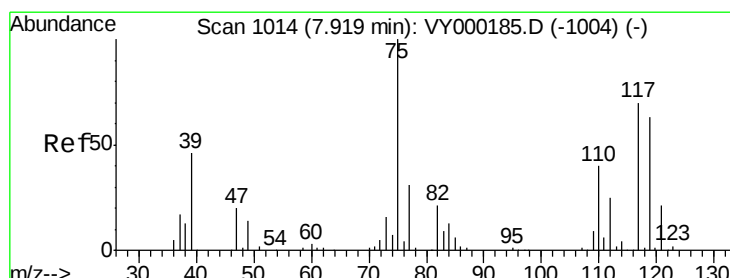
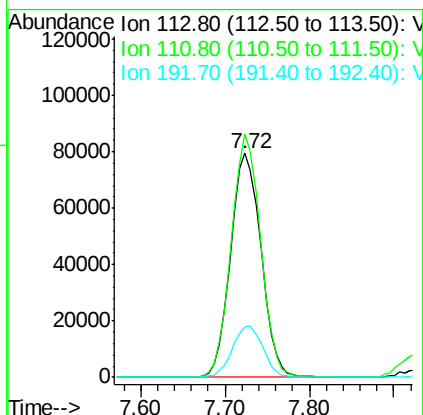
MSVOA_Y

ClientSampleId :

VSTDICCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 68.876 ug/l

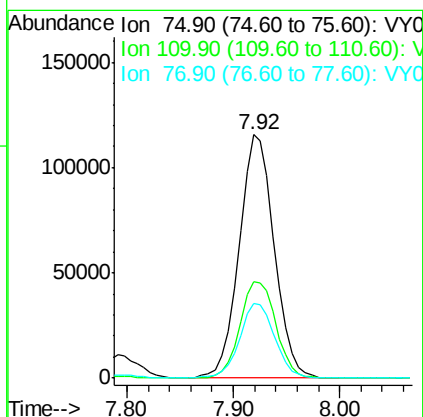
RT: 7.92 min Scan# 1014

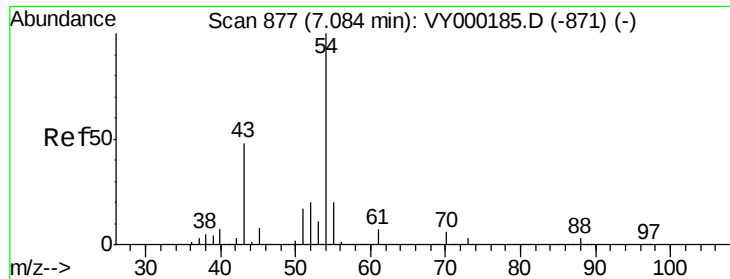
Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion	75	Resp	266863
Ion	Ratio	Lower	Upper
75	100		
110	40.8	20.4	61.2
77	31.0	24.8	37.2





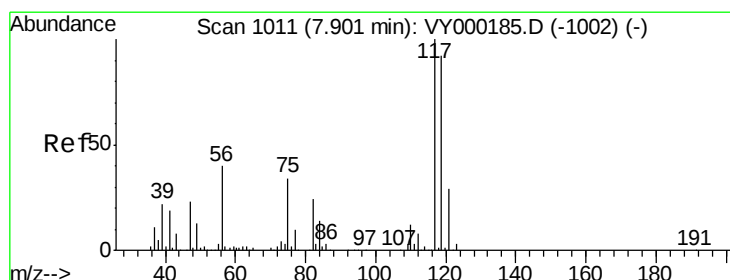
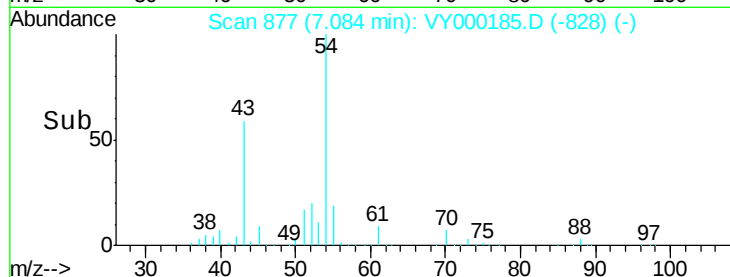
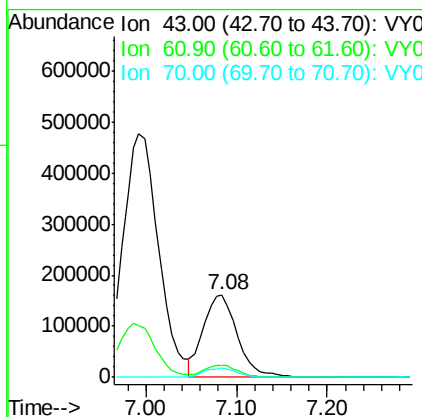
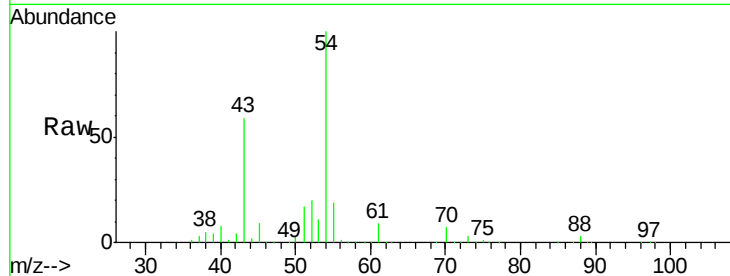
#37
Ethyl Acetate
Concen: 58.270 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.8	9.4	14.2

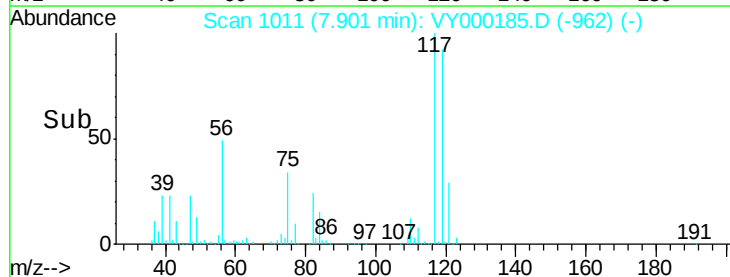
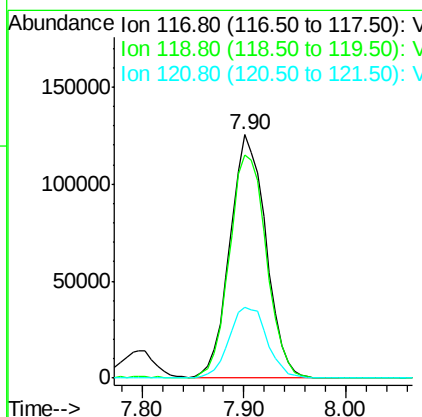
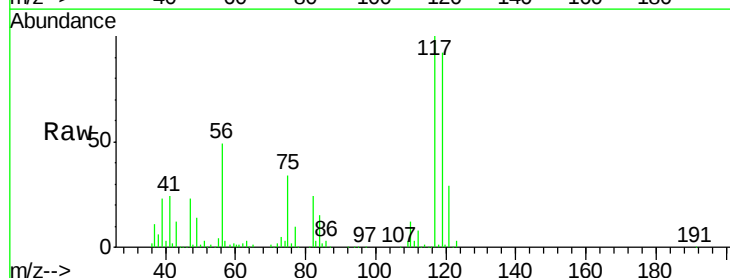
Manual Integrations
APPROVED

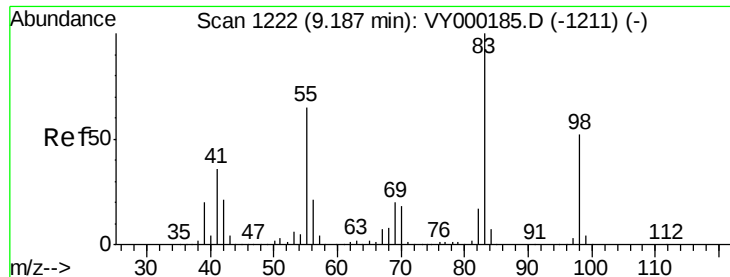
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10/7/2019 12:50:56 PM



#38
Carbon Tetrachloride
Concen: 64.625 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.0	23.2	34.8





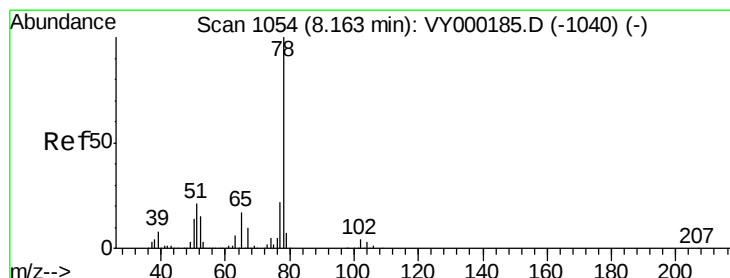
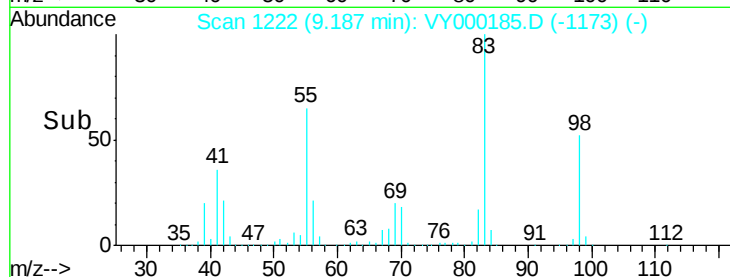
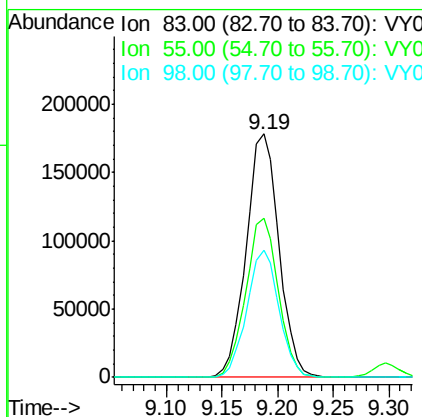
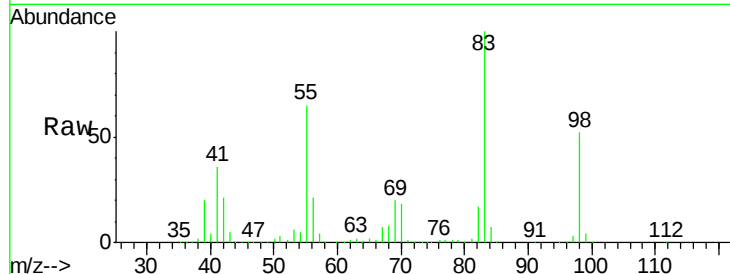
#39
Methvlcvclohexane
Concen: 79.841 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	365074
Ion Ratio	Lower	Upper	
83	100		
55	65.5	52.4	78.6
98	52.1	41.7	62.5

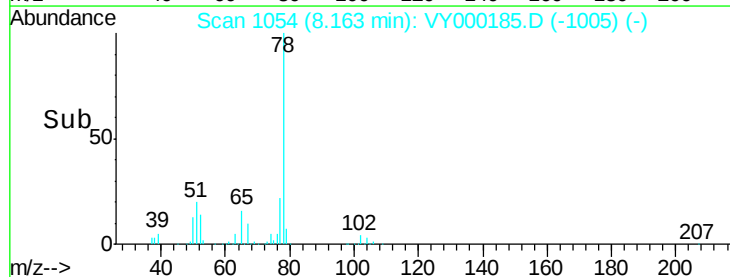
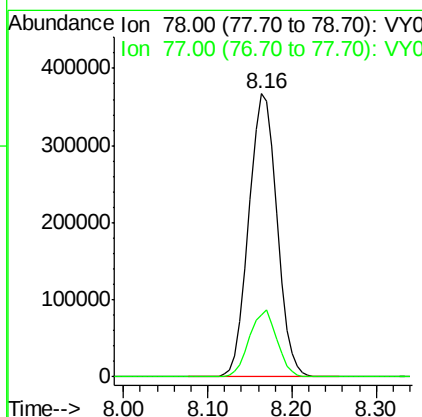
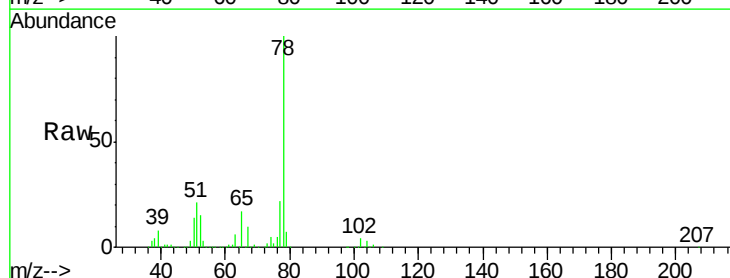
Manual Integrations
APPROVED

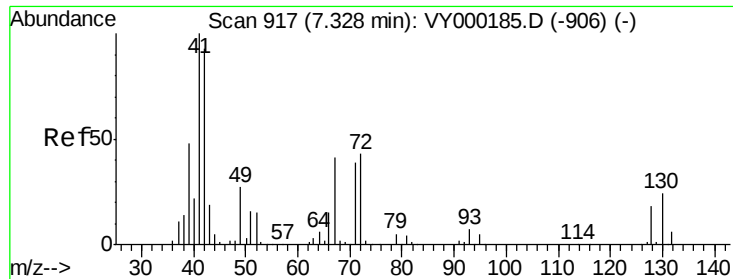
MMDadoda
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#40
Benzene
Concen: 64.783 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	78	Resp	832401
Ion Ratio	Lower	Upper	
78	100		
77	21.9	17.5	26.3





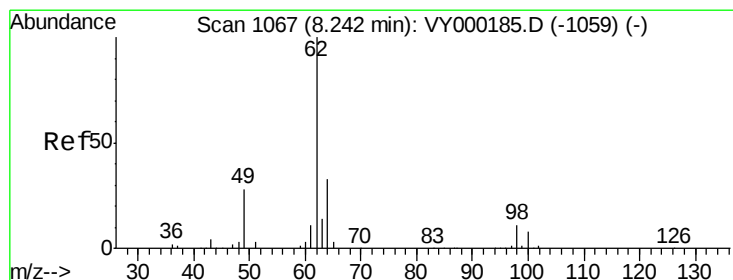
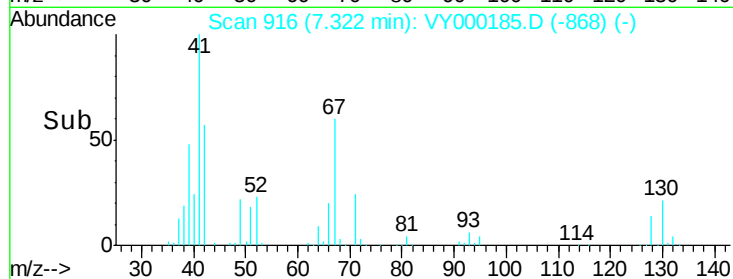
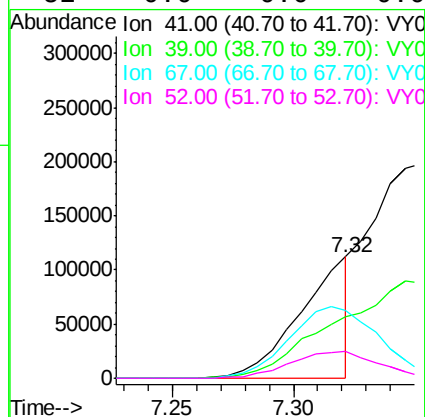
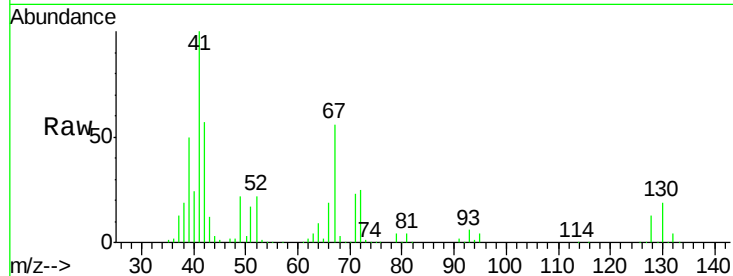
#41
Methacrylonitrile
Concen: 47.593 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	201.2	125.4	188.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

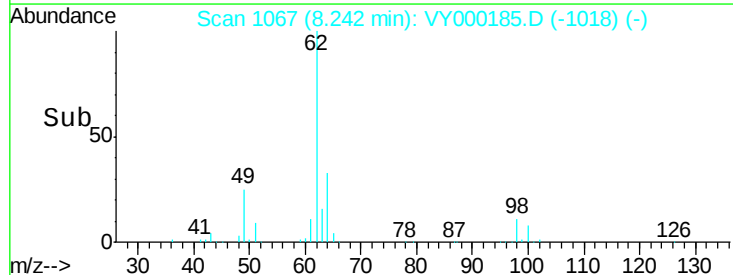
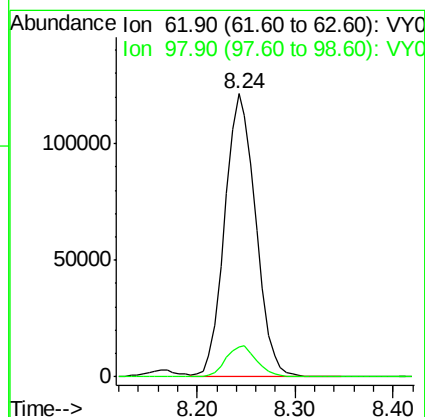
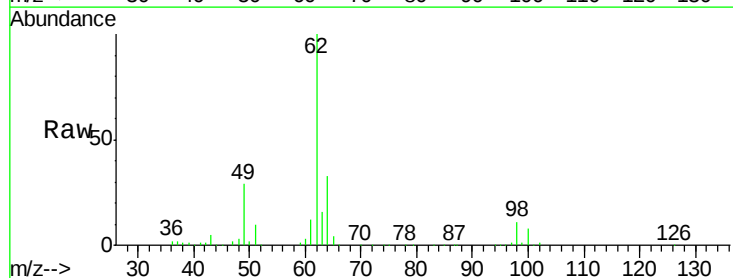
Manual Integrations
APPROVED

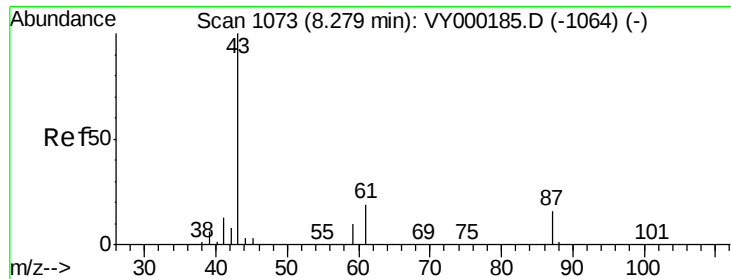
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10/7/2019 12:50:56 PM



#42
1,2-Dichloroethane
Concen: 59.578 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.8





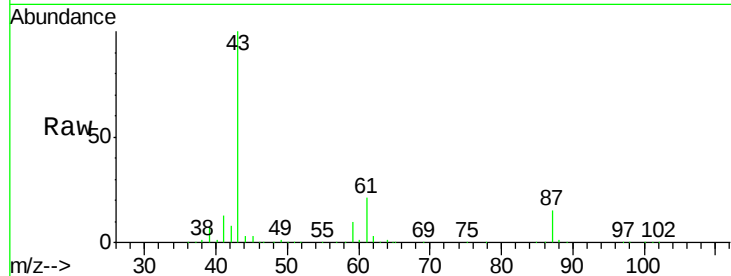
#43
Isopropyl Acetate
Concen: 57.685 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

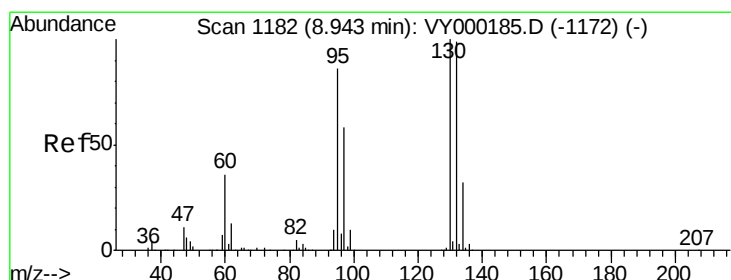
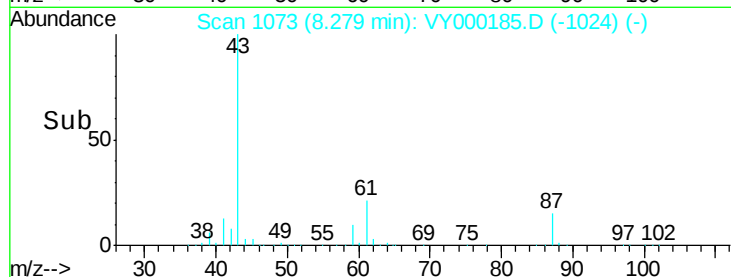
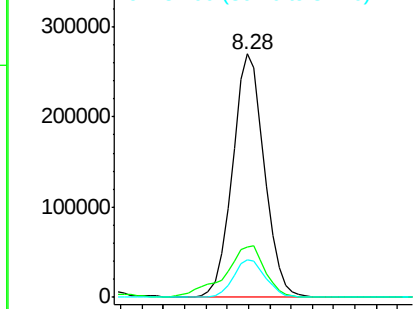
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2
87	15.8	12.6	19.0

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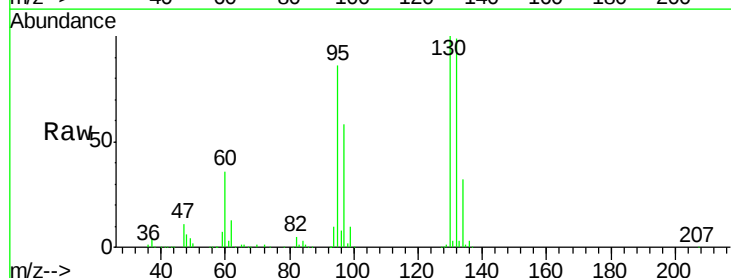


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

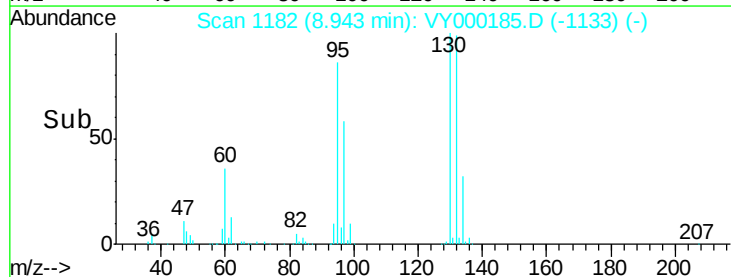
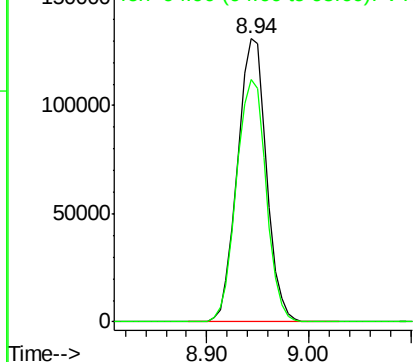


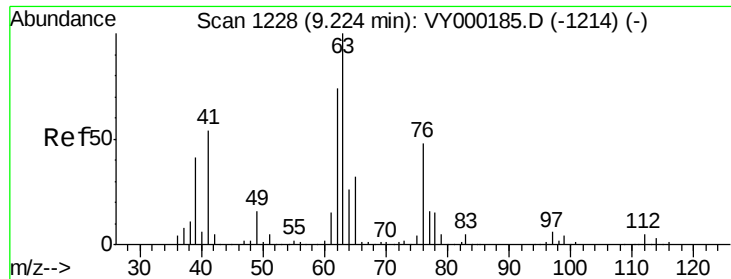
#44
Trichloroethene
Concen: 64.233 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	171.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





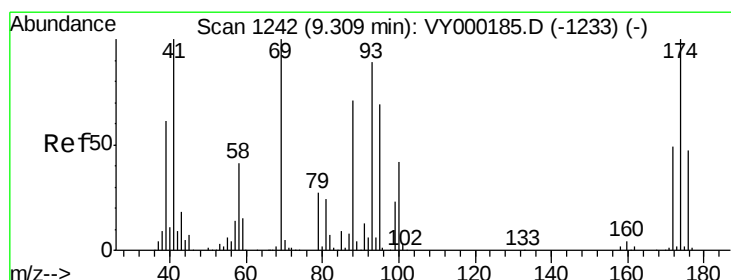
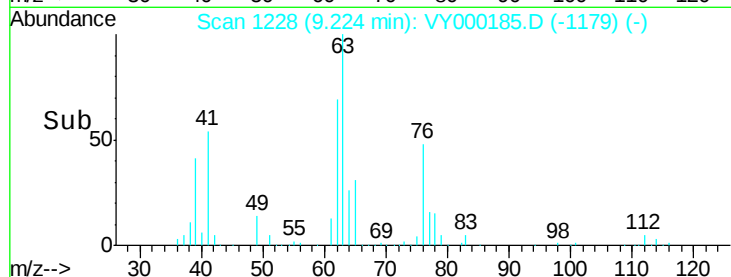
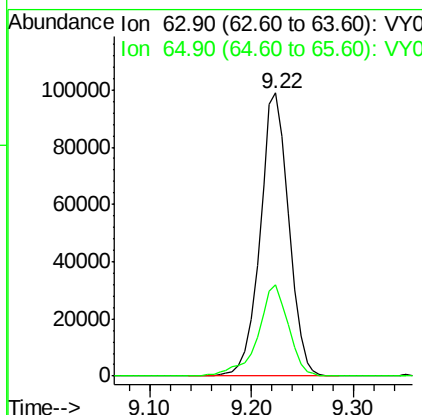
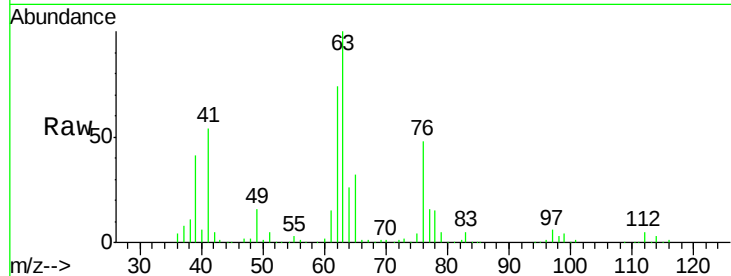
#45
 1,2-Dichloropropane
 Concen: 58.627 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 193200
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.7 38.5

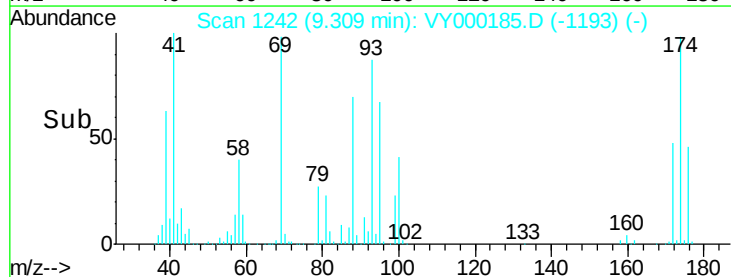
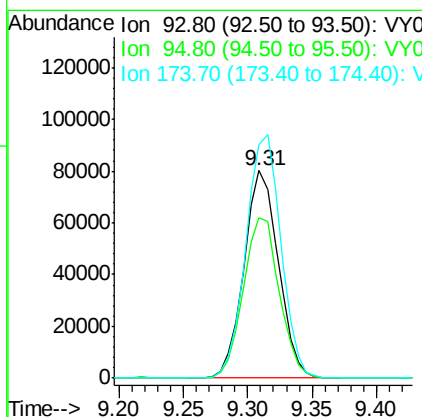
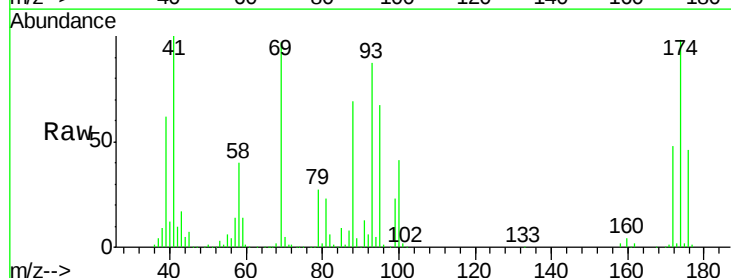
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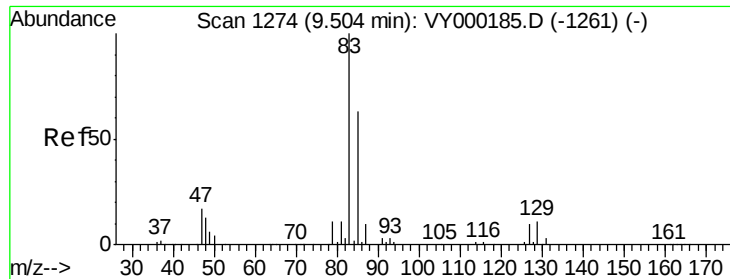
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 10/7/2019 12:50:56 PM



#46
 Dibromomethane
 Concen: 60.424 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion: 93 Resp: 148206
 Ion Ratio Lower Upper
 93 100
 95 80.5 64.4 96.6
 174 118.9 95.1 142.7





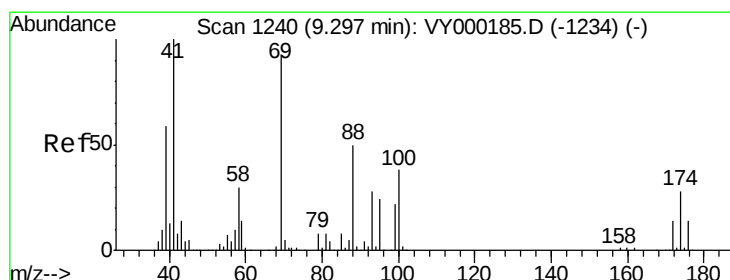
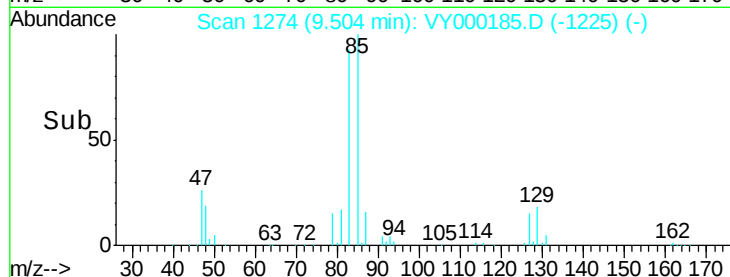
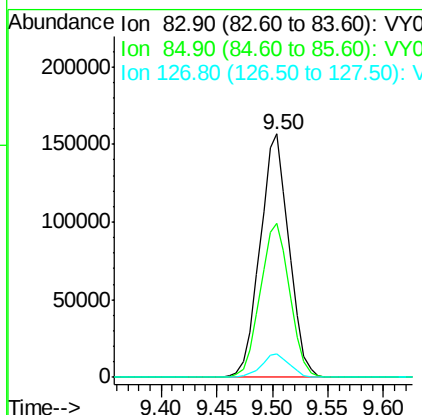
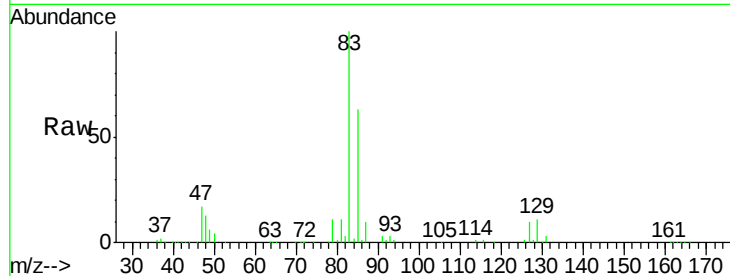
#47
Bromodichloromethane
Concen: 56.608 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	283641
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	9.6	7.7	11.5

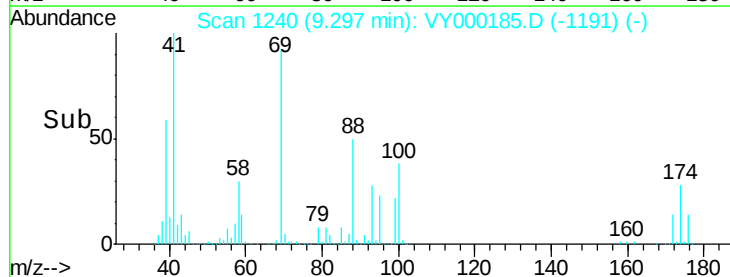
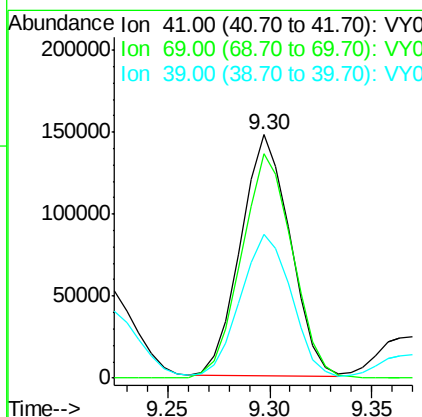
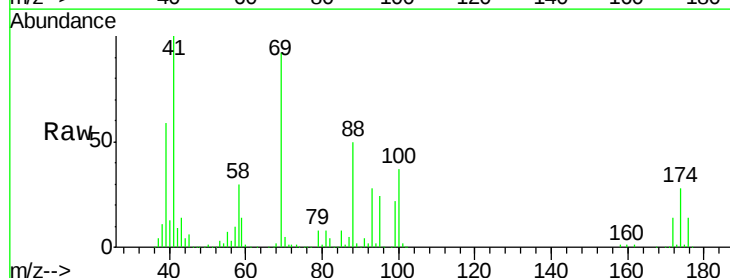
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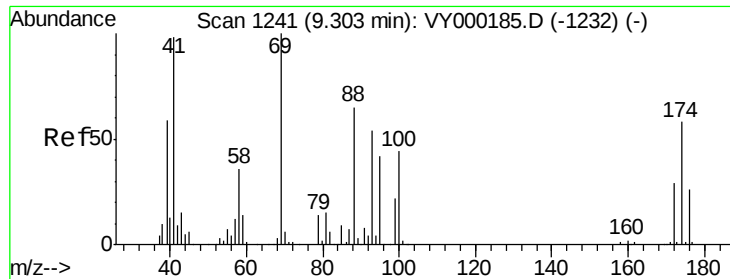
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#48
Methyl methacrylate
Concen: 57.306 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	41	Resp	249361
Ion Ratio	100	Lower	Upper
41	100		
69	95.6	76.5	114.7
39	61.5	49.2	73.8





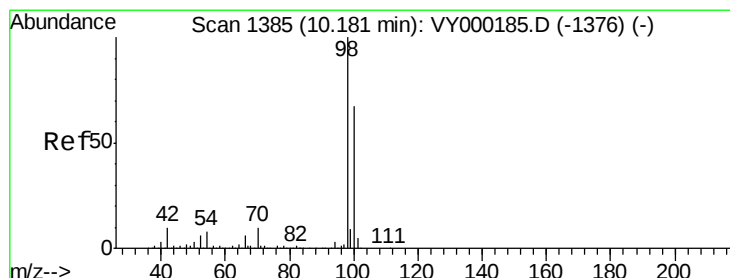
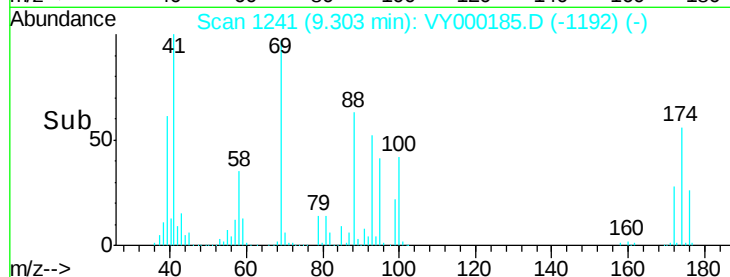
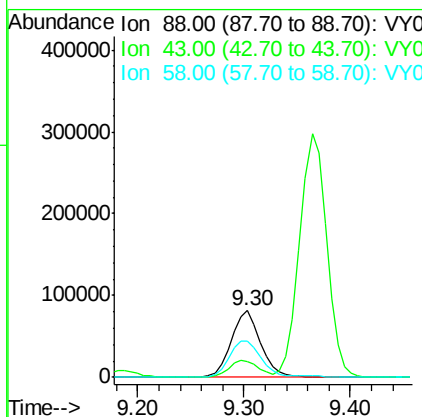
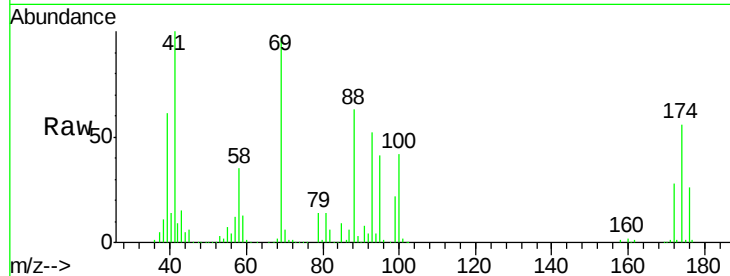
#49
1,4-Dioxane
Concen: 1164.928 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	158025
Ion Ratio	Lower	Upper	
88	100		
43	25.5	20.4	30.6
58	61.2	49.0	73.4

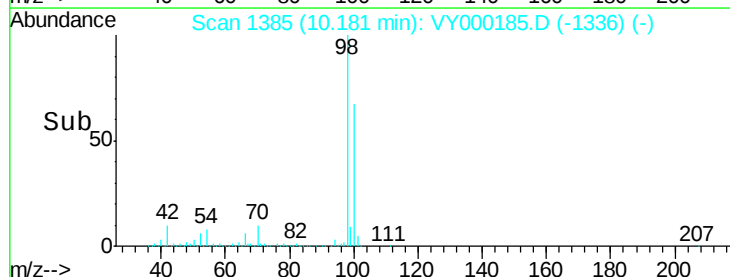
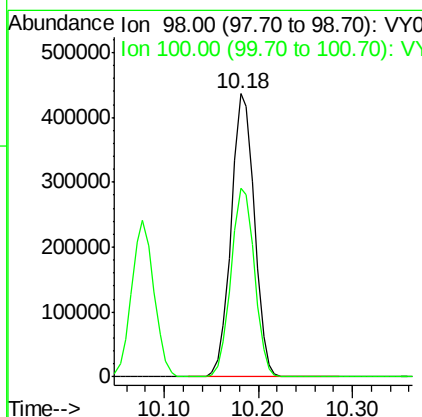
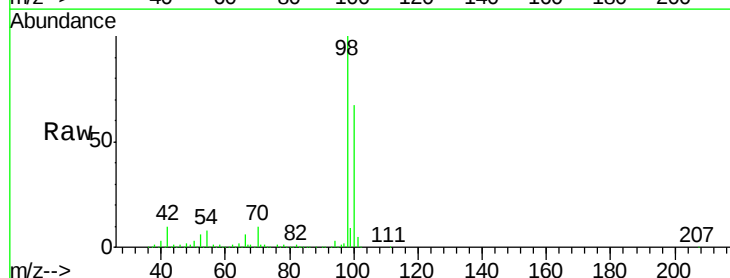
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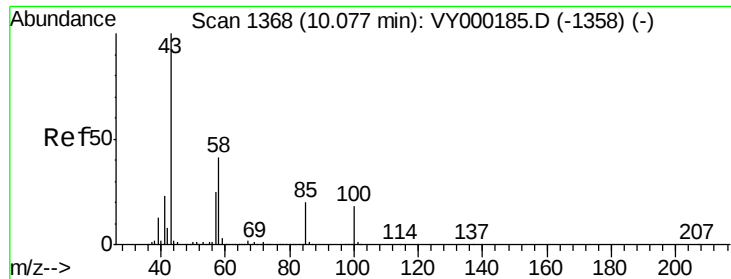
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#50
Toluene-d8
Concen: 53.280 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	98	Resp	745358
Ion Ratio	Lower	Upper	
98	100		
100	67.4	53.9	80.9





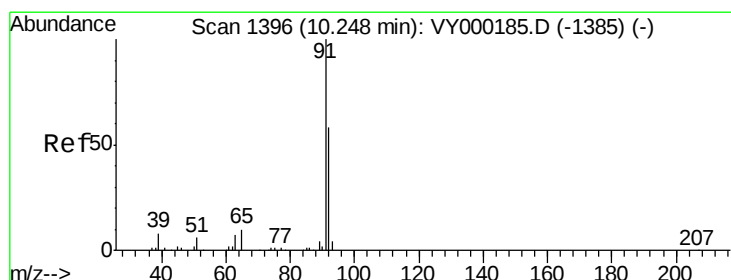
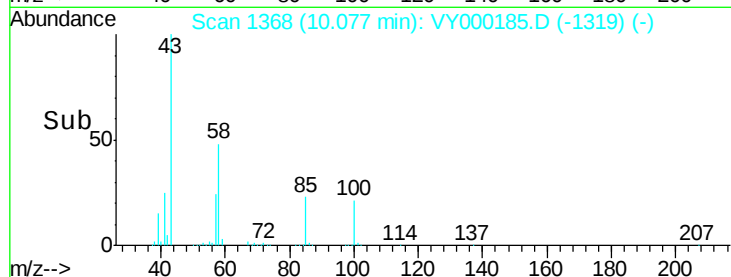
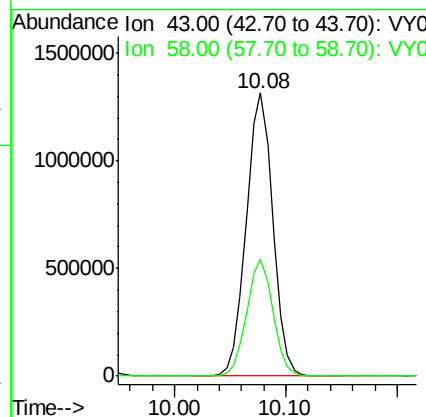
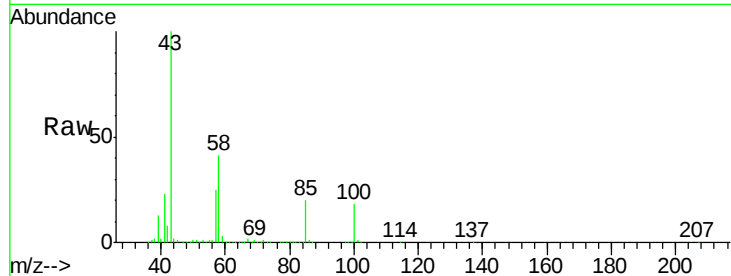
#51
4-Methyl-2-Pentanone
Concen: 282.043 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2171855
Ion Ratio Lower Upper
43 100
58 40.8 32.6 49.0

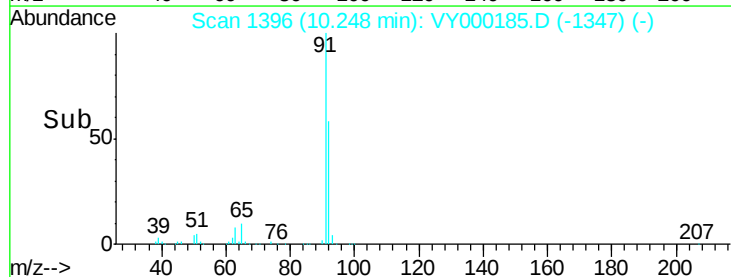
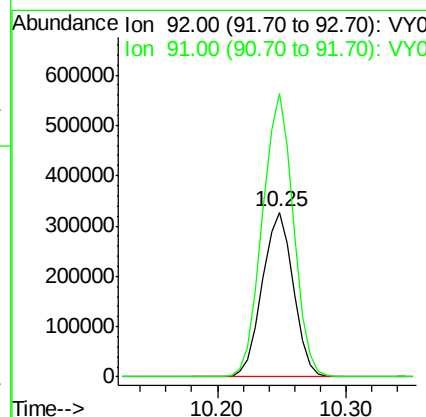
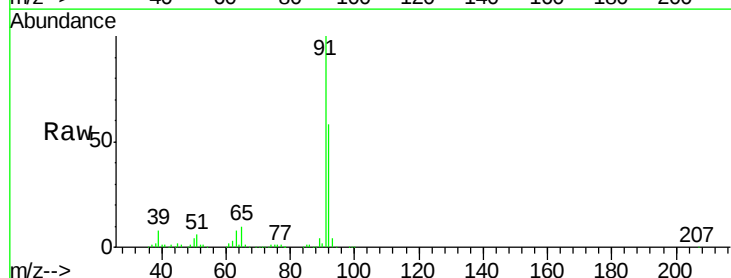
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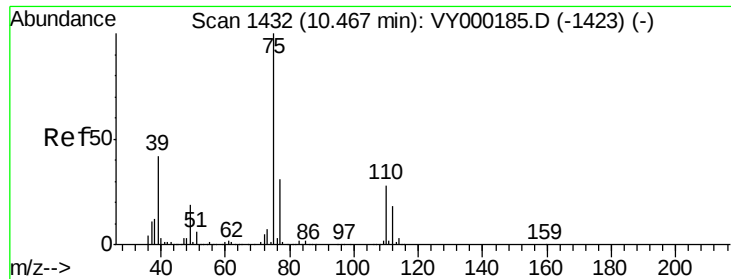
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#52
Toluene
Concen: 64.263 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 92 Resp: 546121
Ion Ratio Lower Upper
92 100
91 171.1 136.9 205.3





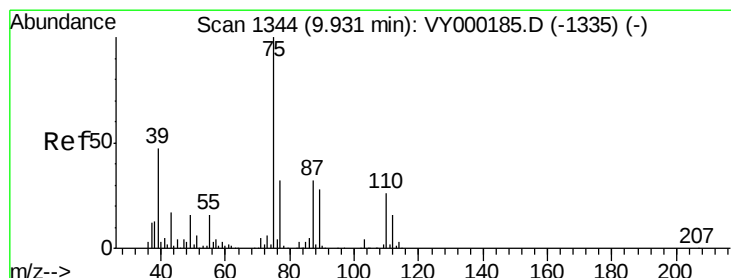
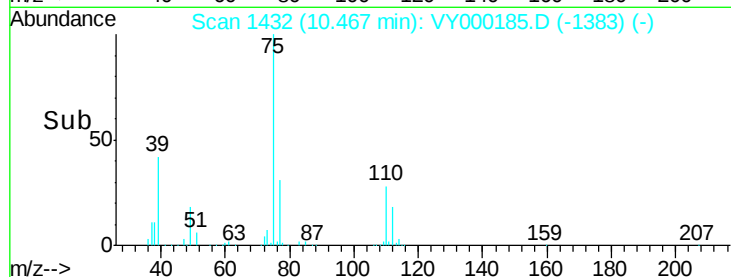
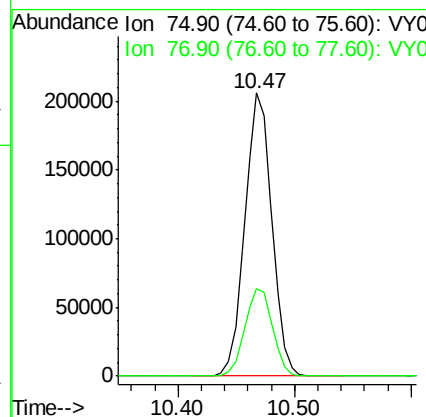
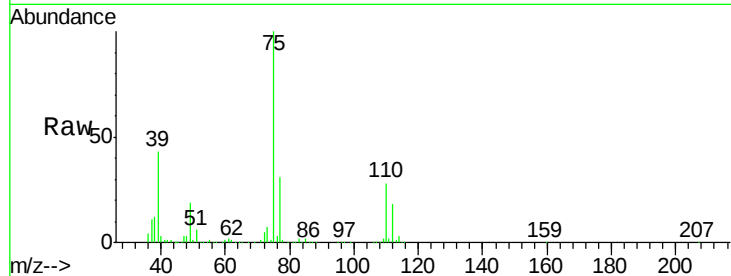
#53
t-1,3-Dichloropropene
Concen: 60.509 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 332923
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

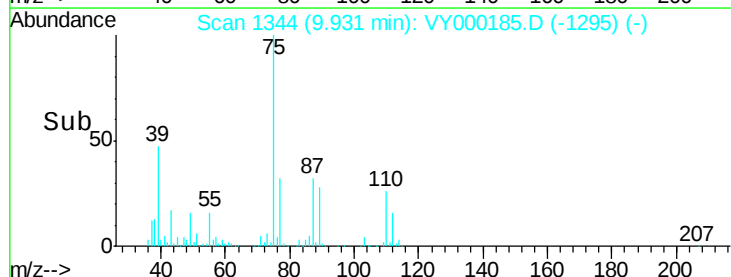
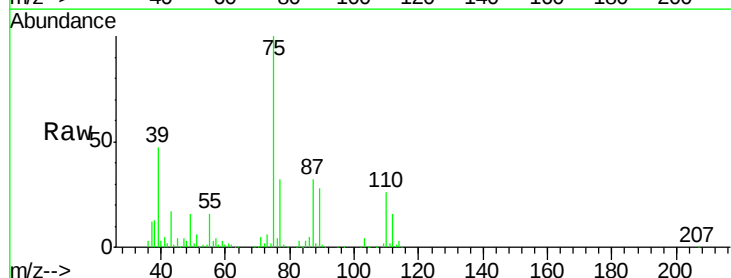
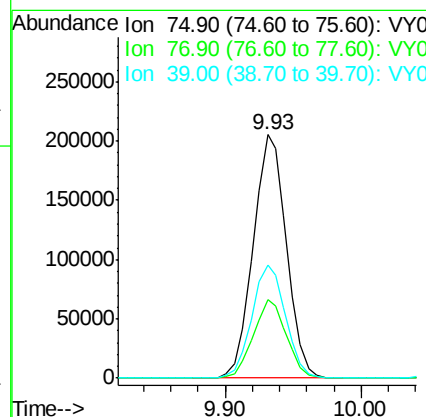
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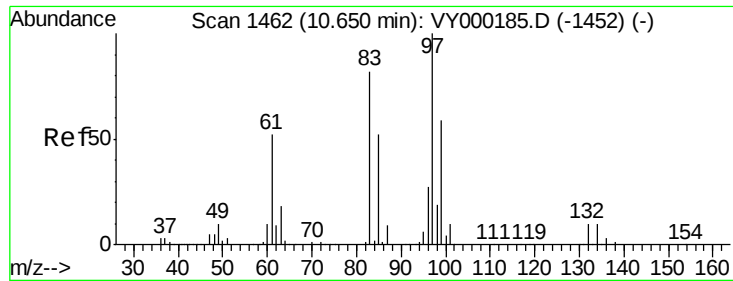
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#54
cis-1,3-Dichloropropene
Concen: 61.161 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 75 Resp: 350906
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
39 46.5 37.2 55.8





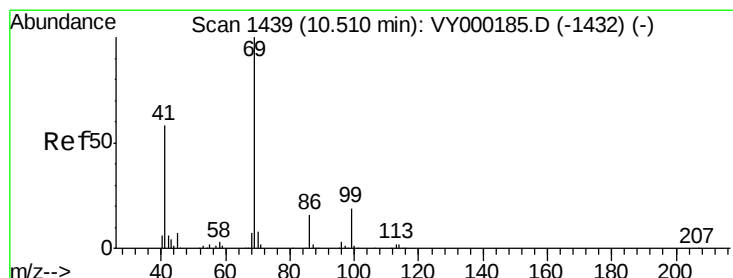
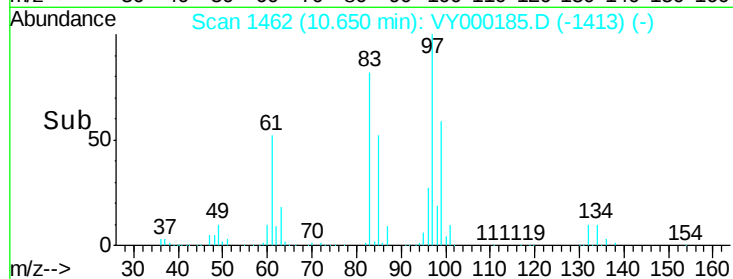
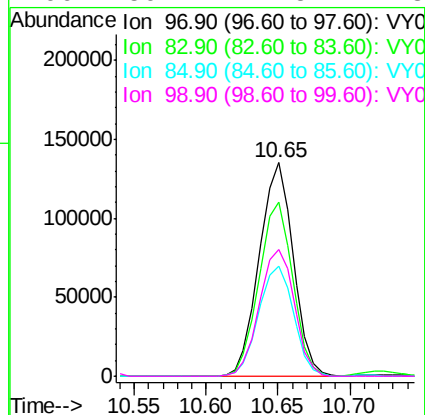
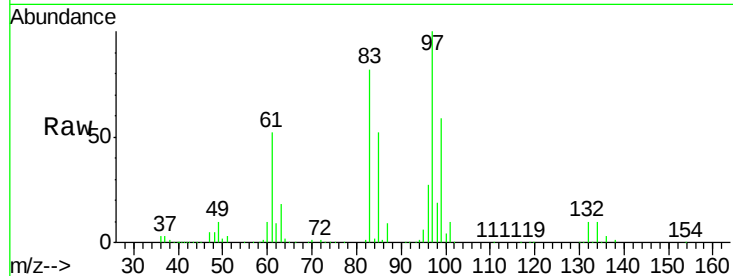
#55
 1,1,2-Trichloroethane
 Concen: 56.453 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	220604
Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.4	98.2
85	51.7	41.4	62.0
99	59.4	47.5	71.3

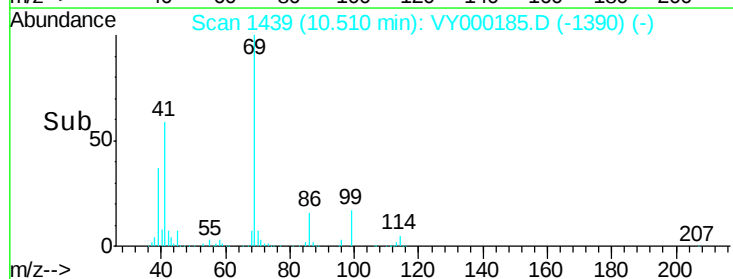
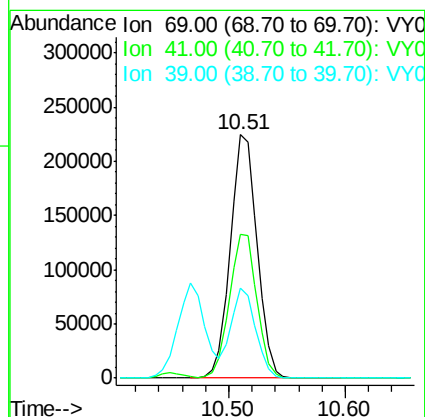
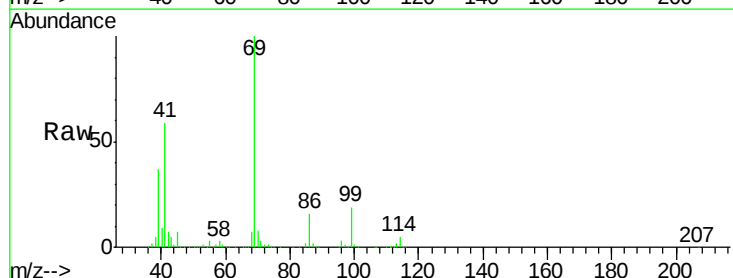
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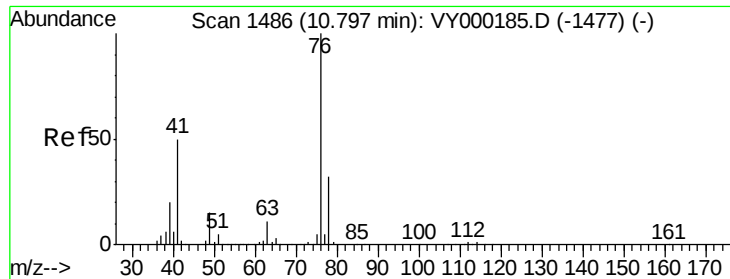
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#56
 Ethyl methacrylate
 Concen: 58.995 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion:	69	Resp:	357792
Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.1	72.1
39	34.0	27.2	40.8





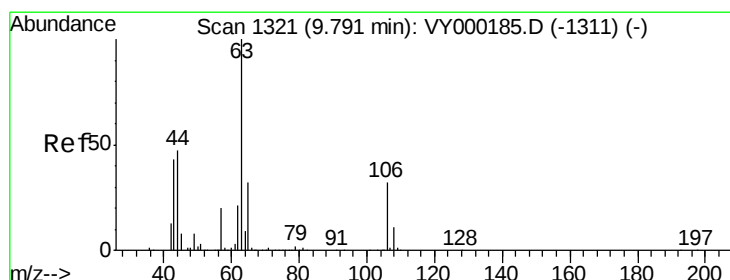
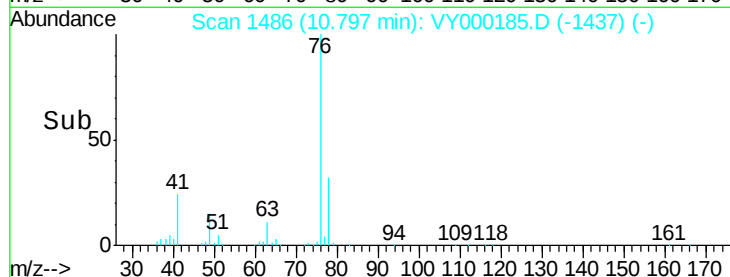
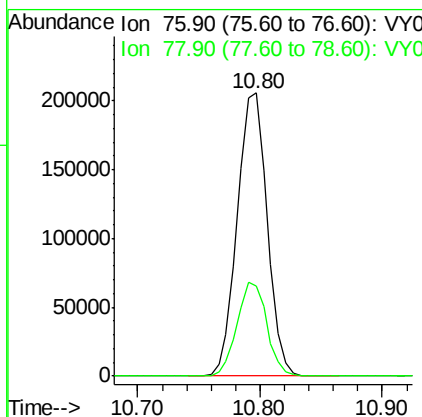
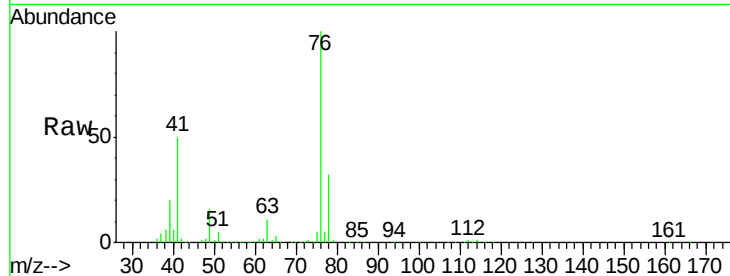
#57
 1,3-Dichloropropane
 Concen: 57.361 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 348898
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

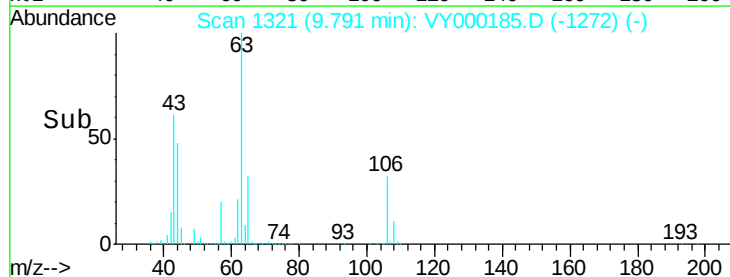
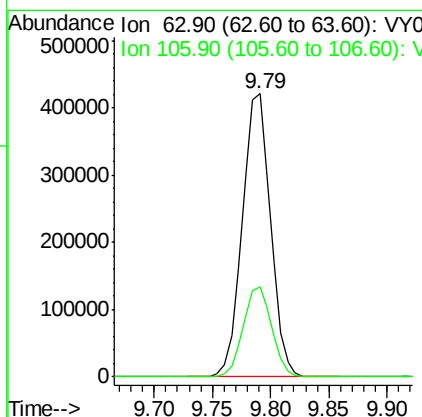
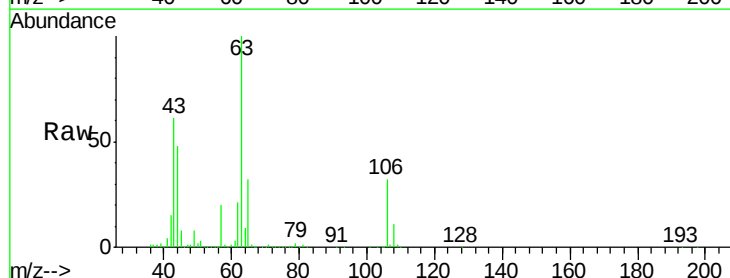
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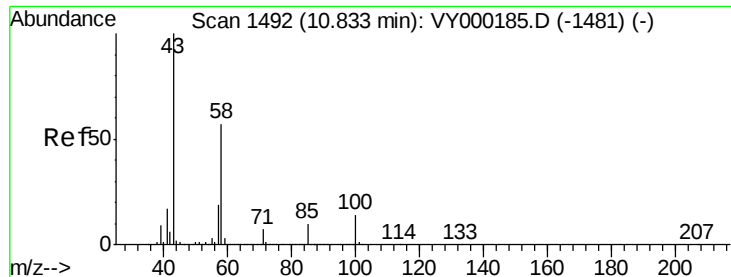
MMDadoda
 10/7/2019 12:50:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.925 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion: 63 Resp: 714634
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.8 38.6





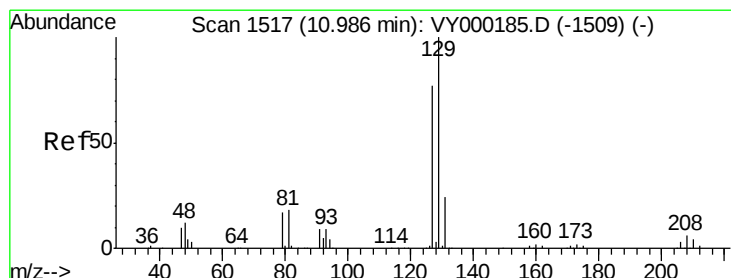
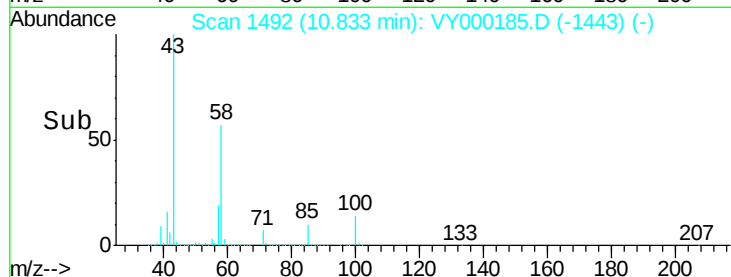
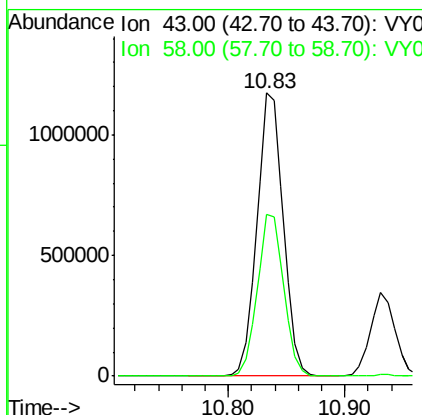
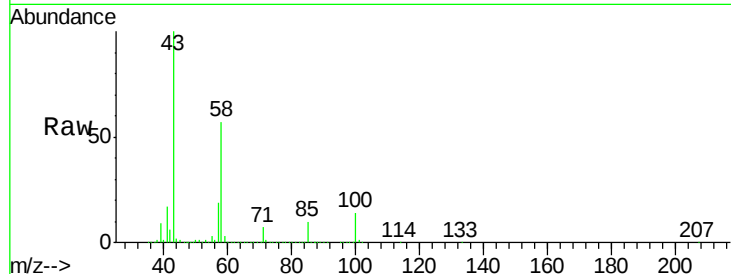
#59
2-Hexanone
Concen: 285.252 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 1850446
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8

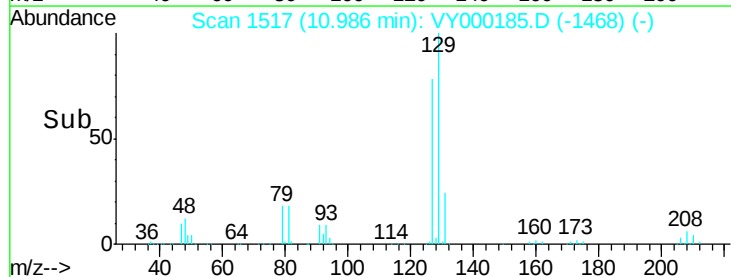
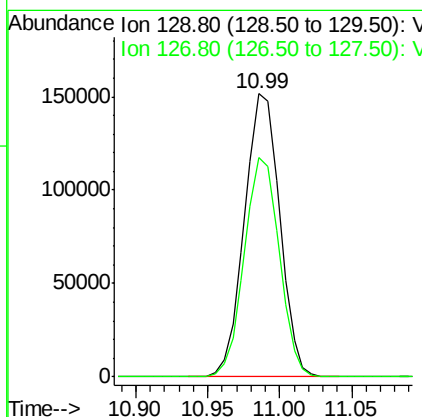
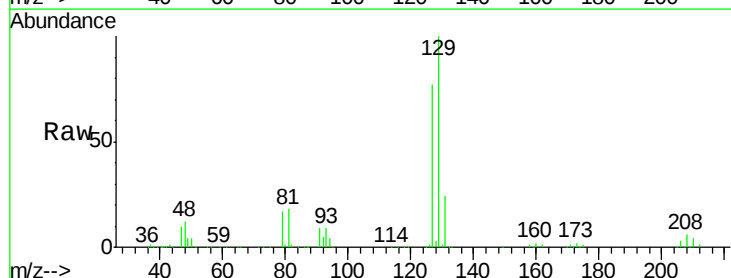
Manual Integrations
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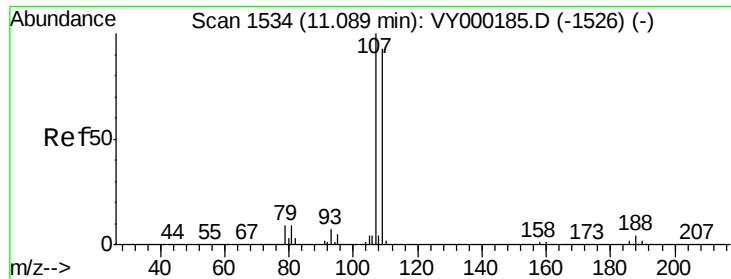
MMDadoda
10/7/2019 12:50:56 PM



#60
Dibromochloromethane
Concen: 57.317 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 129 Resp: 257651
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





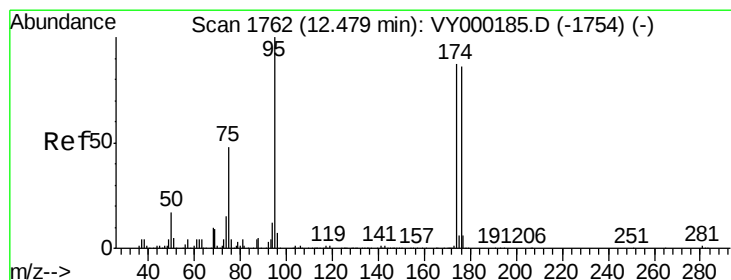
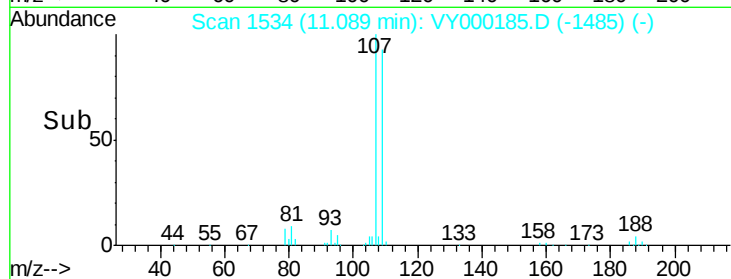
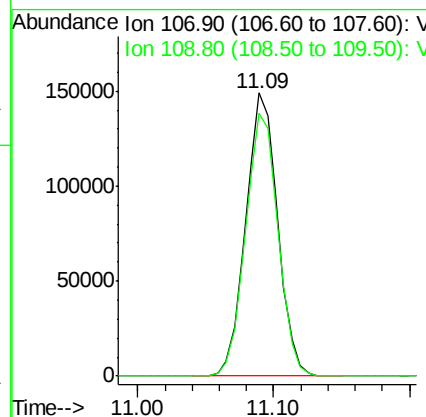
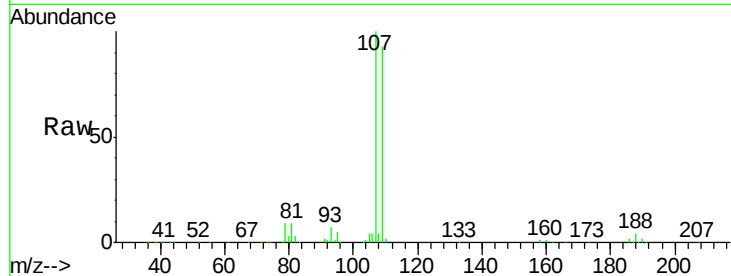
#61
 1,2-Dibromoethane
 Concen: 61.556 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

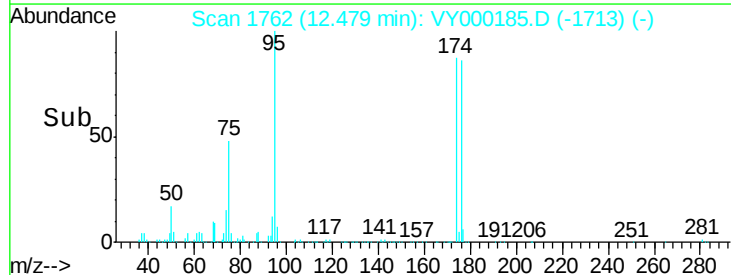
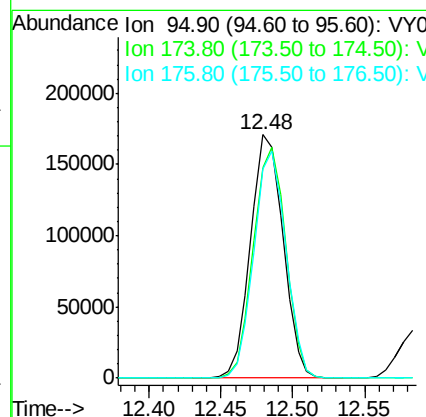
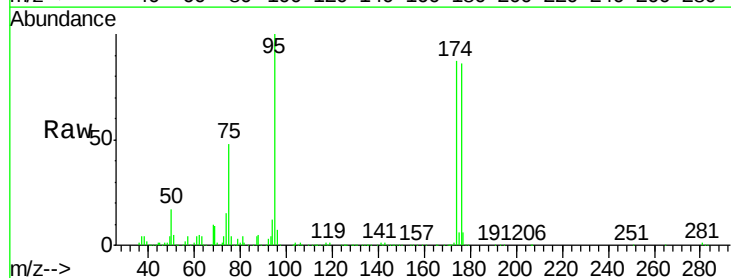
Manual Integrations
 APPROVED

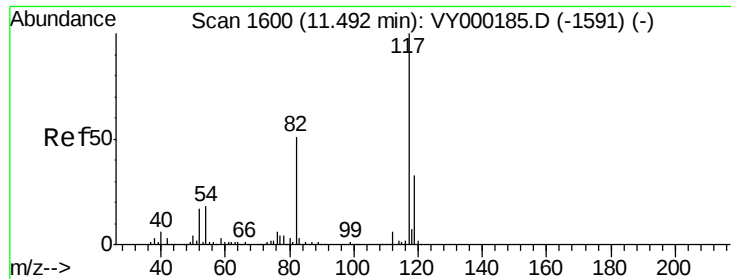
MMDadoda
 10/7/2019 12:50:56 PM



#62
 4-Bromofluorobenzene
 Concen: 54.728 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	188.6
176	91.8	0.0	183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:117 Resp: 532789

Ion Ratio Lower Upper

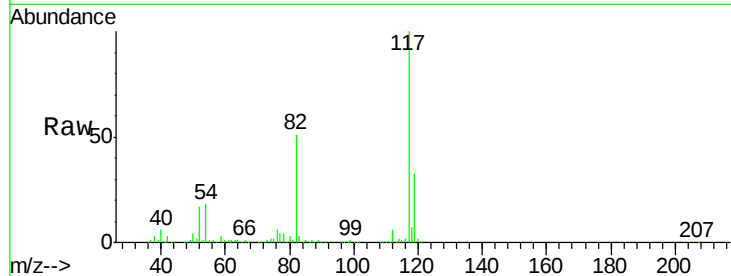
117 100

82 51.2 41.0 61.4

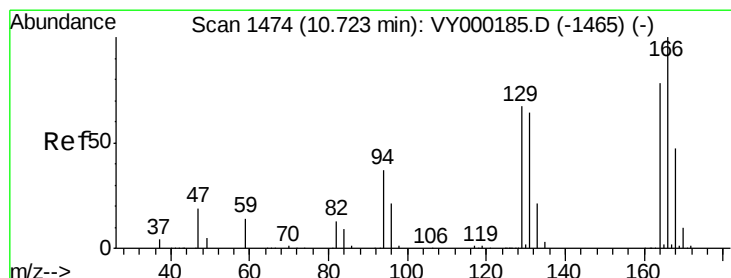
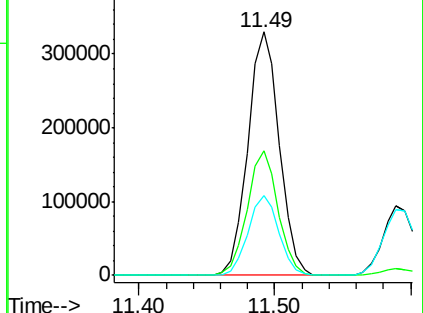
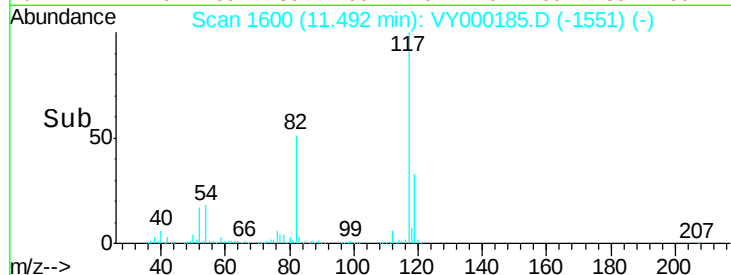
119 32.7 26.2 39.2

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 64.672 ug/l

RT: 10.72 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:164 Resp: 268377

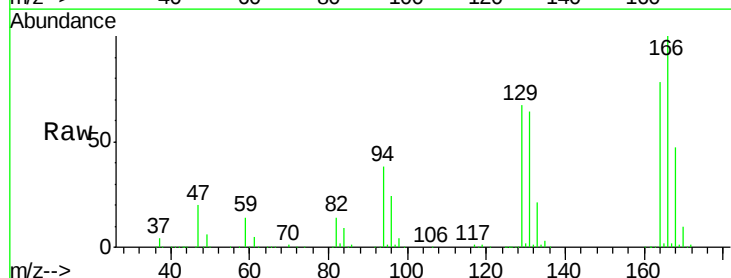
Ion Ratio Lower Upper

164 100

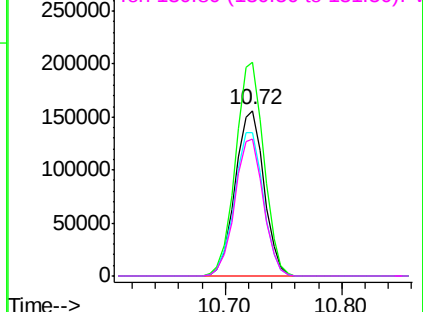
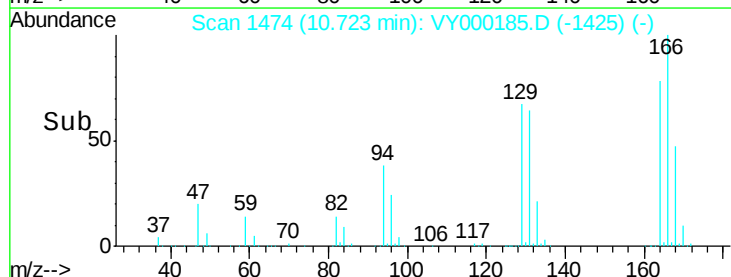
166 129.0 103.2 154.8

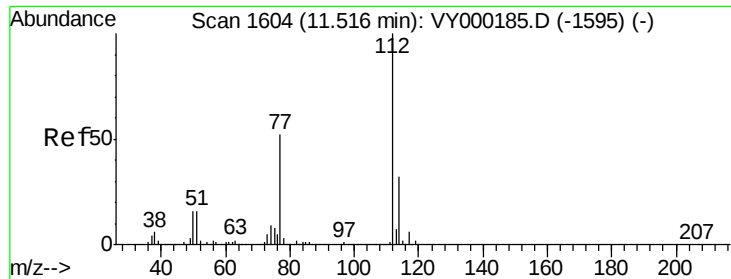
129 86.2 69.0 103.4

131 83.0 66.4 99.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 59.960 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 605870

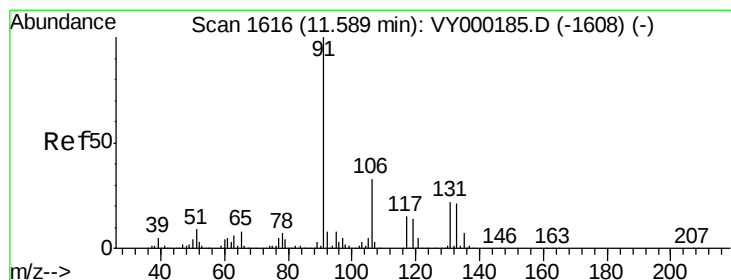
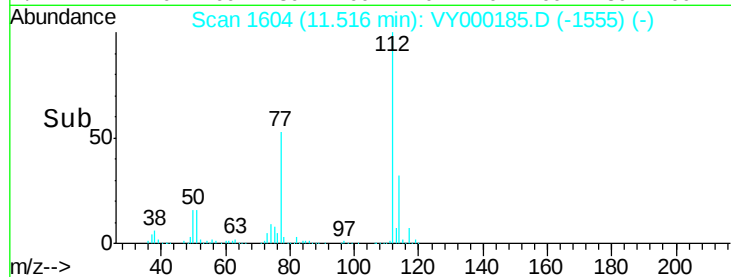
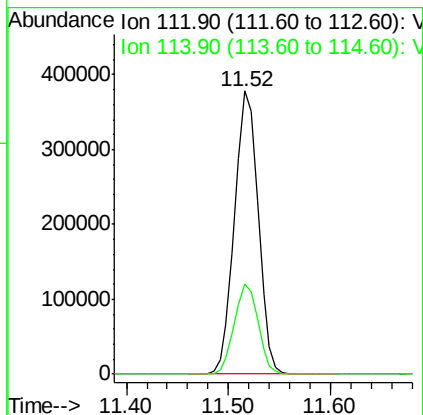
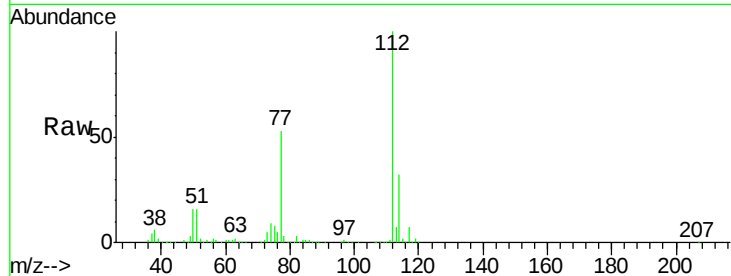
Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 54.573 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

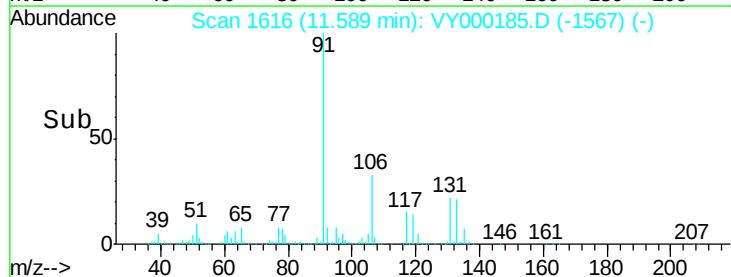
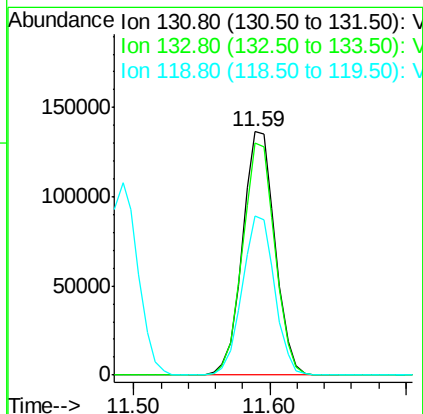
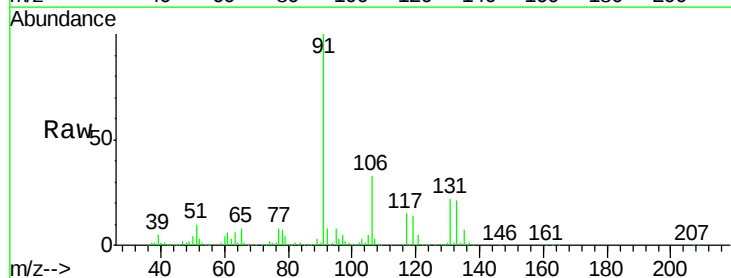
Tgt Ion:131 Resp: 227394

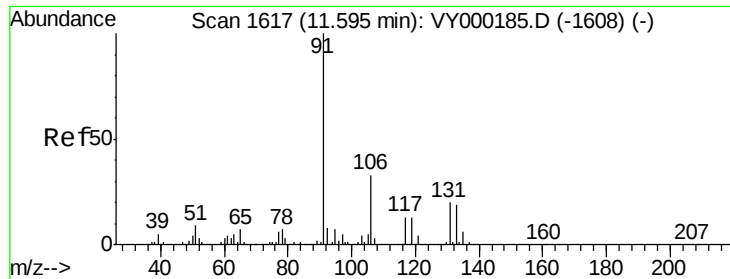
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.3

119 65.3 32.6 98.0





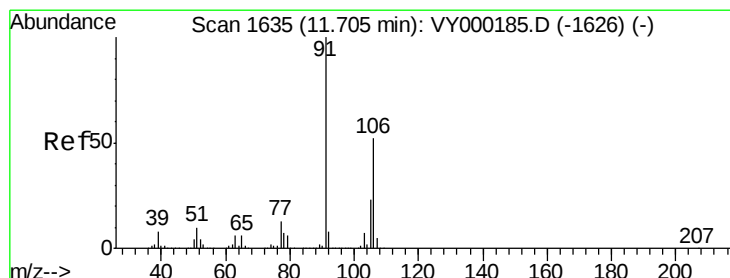
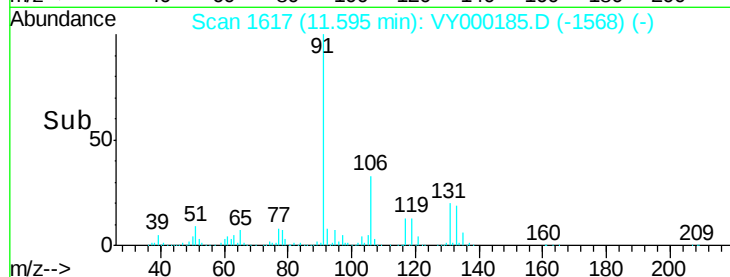
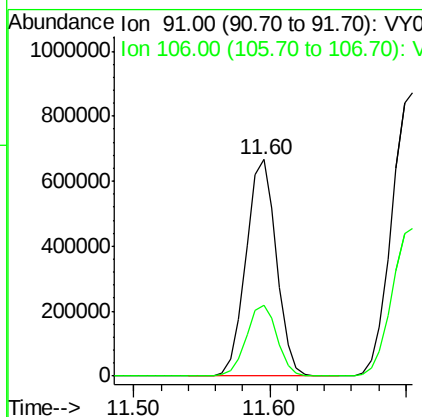
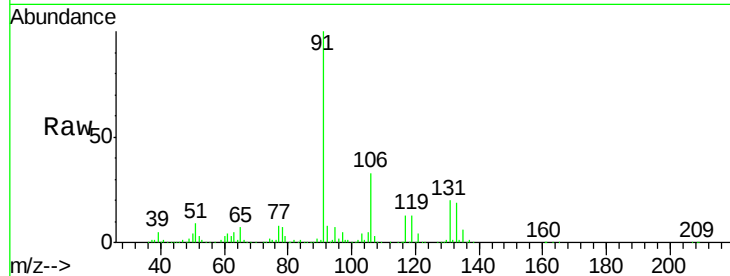
#67
Ethyl Benzene
Concen: 61.876 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1043161
Ion Ratio Lower Upper
91 100
106 32.9 26.3 39.5

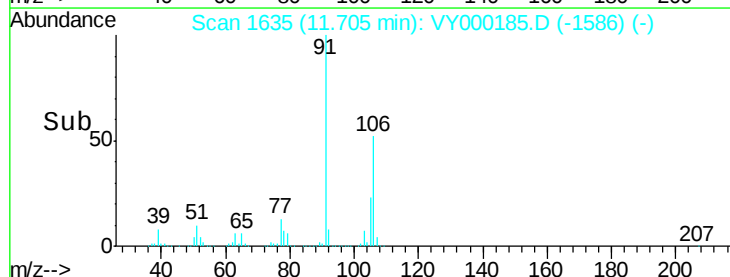
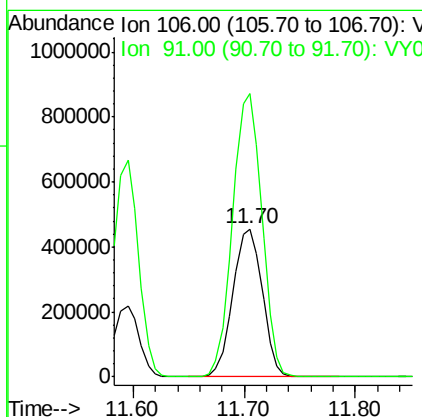
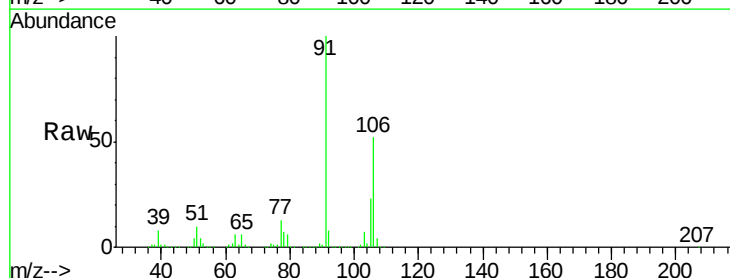
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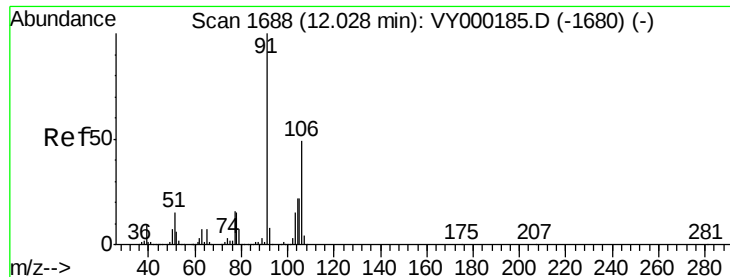
MMDadoda
10/7/2019 12:50:56 PM



#68
m/p-Xylenes
Concen: 124.913 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 106 Resp: 835582
Ion Ratio Lower Upper
106 100
91 189.6 151.7 227.5





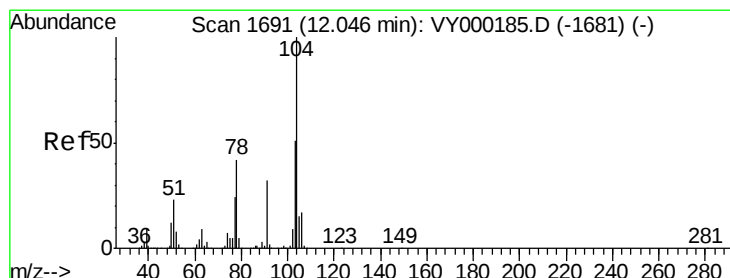
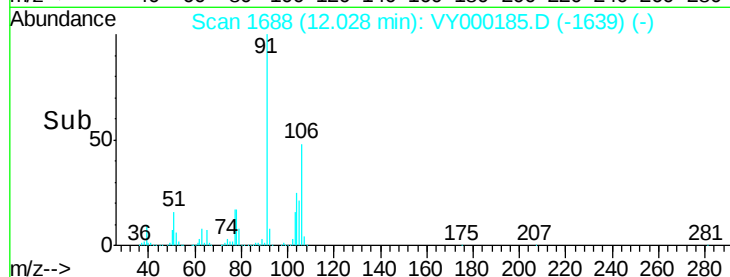
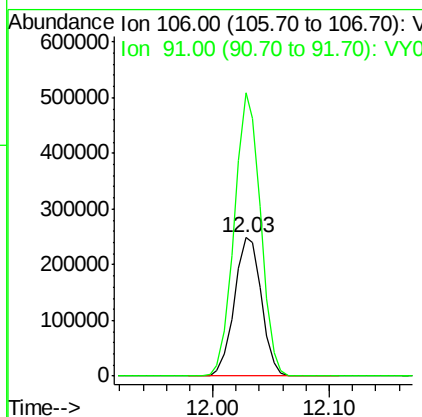
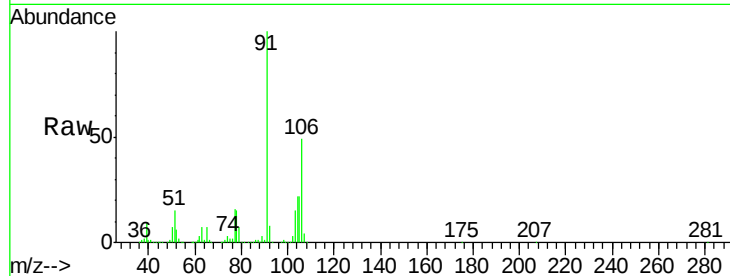
#69
o-Xylene
Concen: 60.156 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	197.4	98.7	296.1

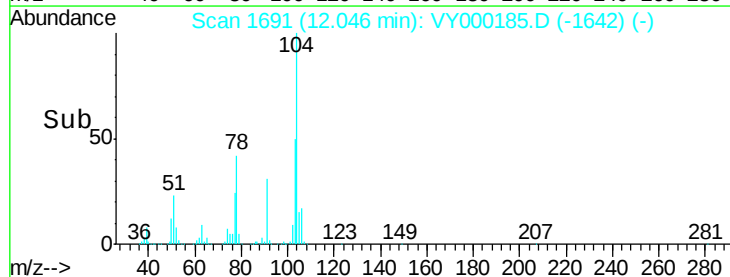
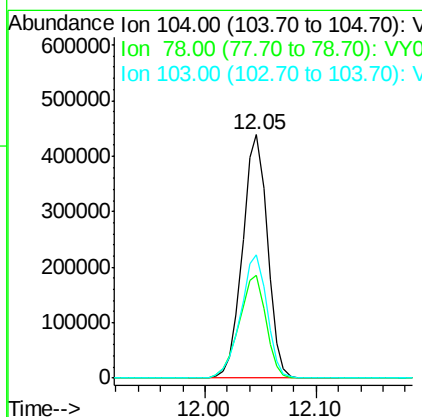
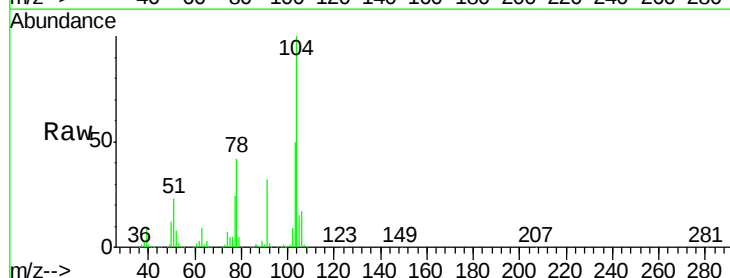
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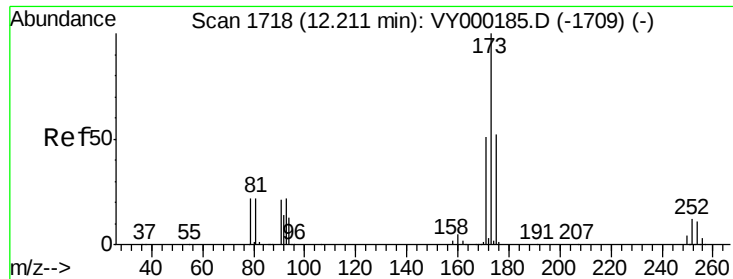
MMDadoda
10/7/2019 12:50:56 PM



#70
Styrene
Concen: 58.855 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.4	36.3	54.5
103	103	53.9	43.1	64.7





#71

Bromoform

Concen: 54.492 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 209160

Ion Ratio Lower Upper

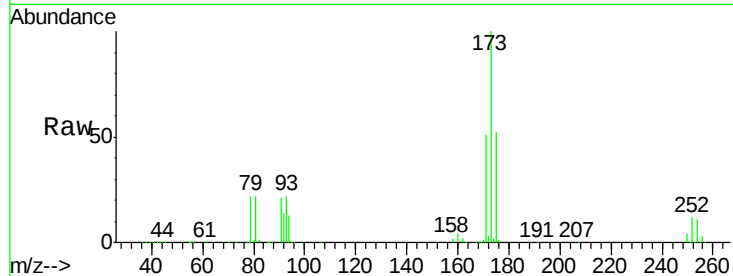
173 100

175 49.0 24.5 73.5

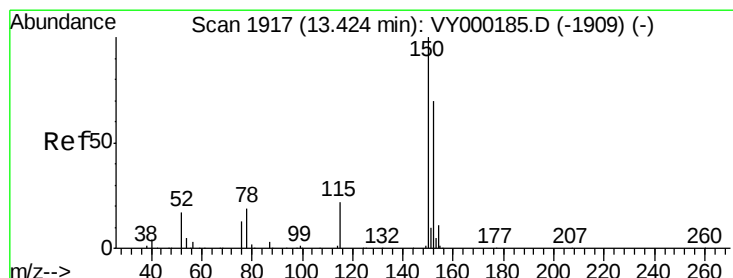
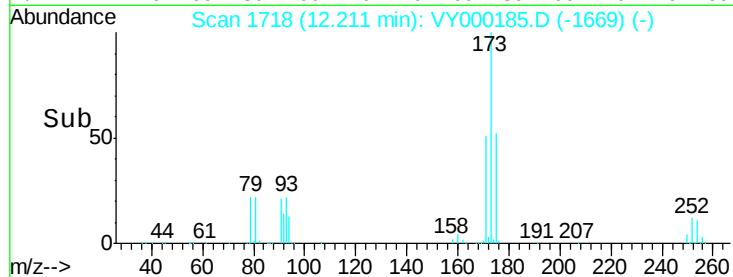
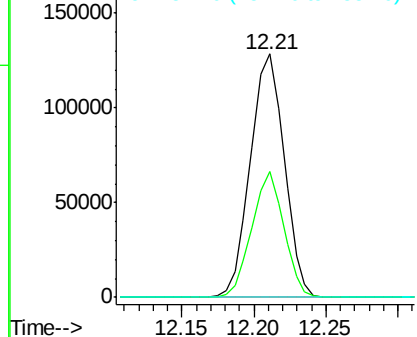
254 0.1 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

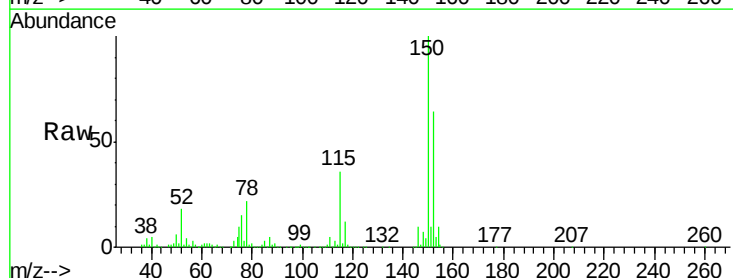
Tgt Ion:152 Resp: 275946

Ion Ratio Lower Upper

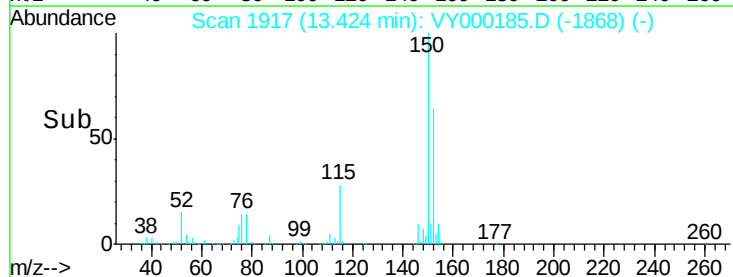
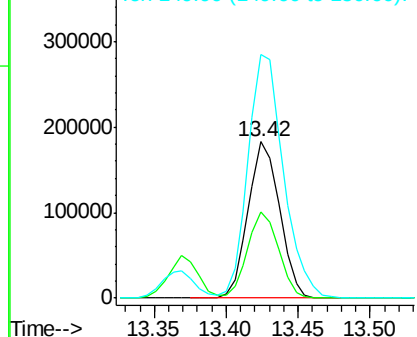
152 100

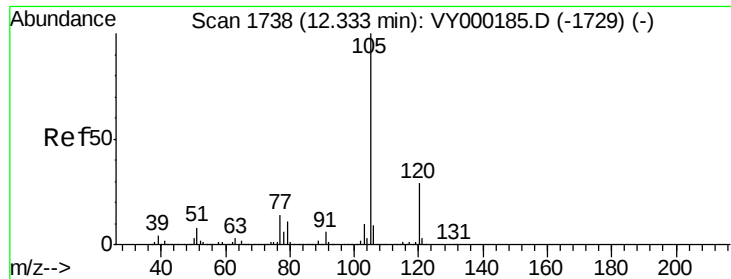
115 54.4 27.2 81.6

150 175.6 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





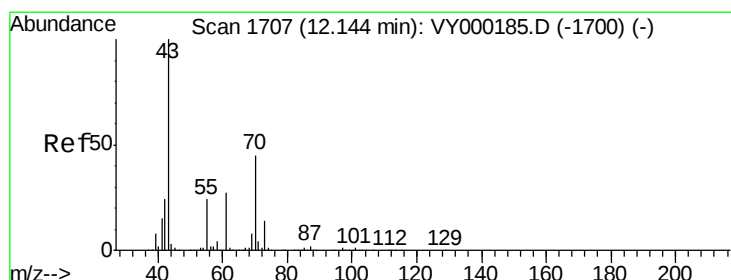
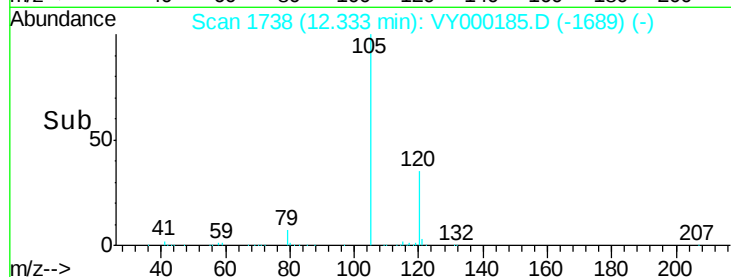
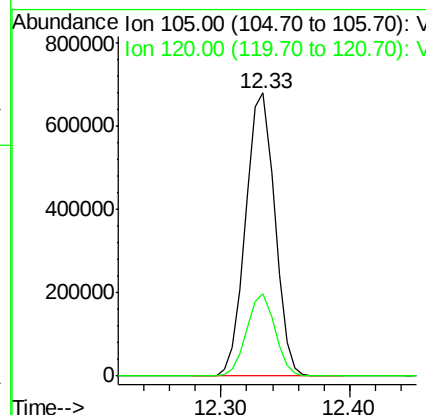
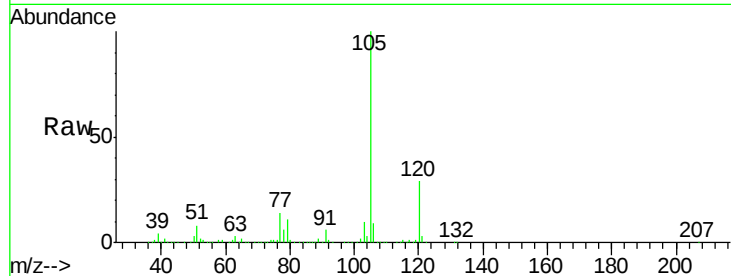
#73
Isopropylbenzene
Concen: 58.007 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 1057519
Ion Ratio Lower Upper
105 100
120 28.2 14.1 42.3

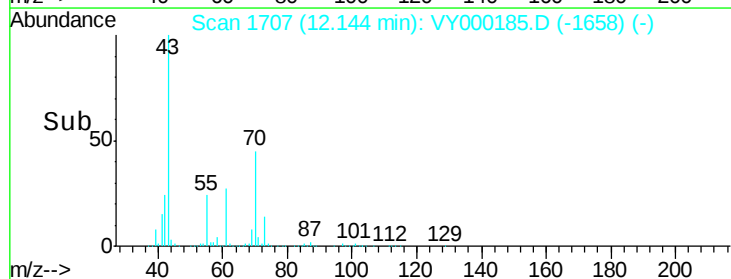
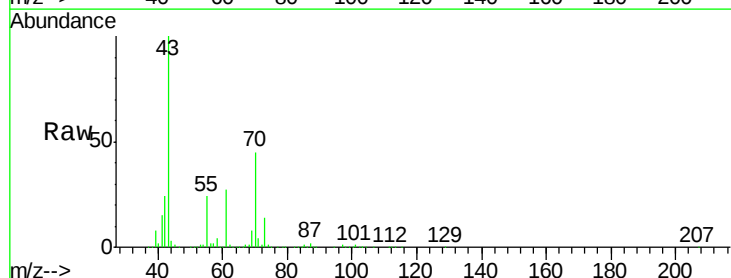
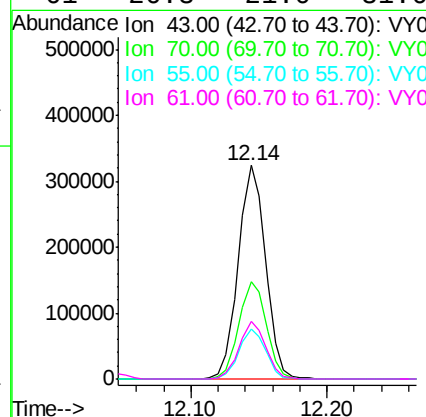
Manual Integrations
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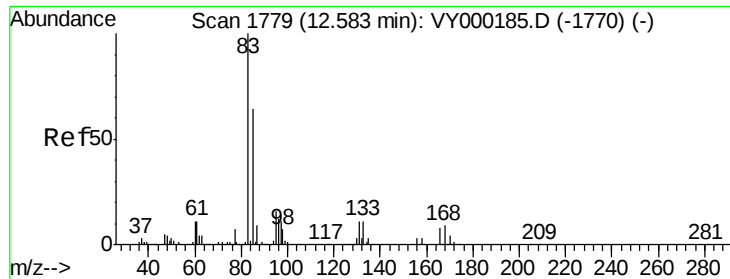
MMDadoda
10/7/2019 12:50:56 PM



#74
N-ethyl acetate
Concen: 56.438 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 43 Resp: 452740
Ion Ratio Lower Upper
43 100
70 45.9 36.7 55.1
55 23.2 18.6 27.8
61 26.3 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.207 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 331298

Ion Ratio Lower Upper

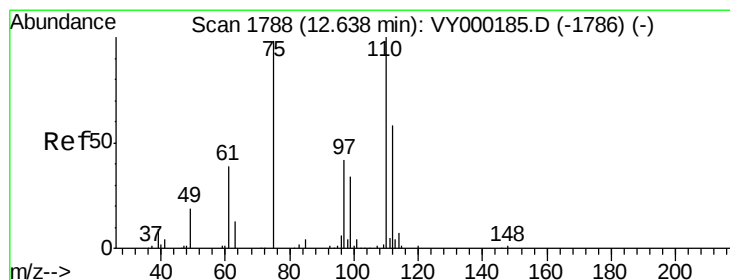
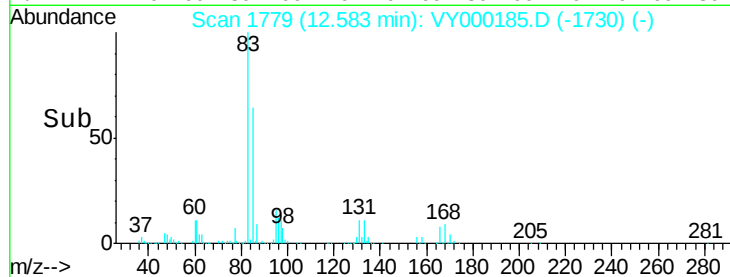
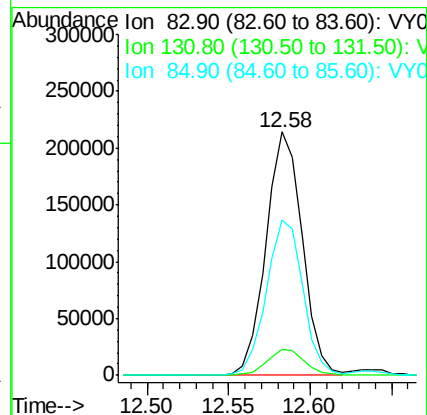
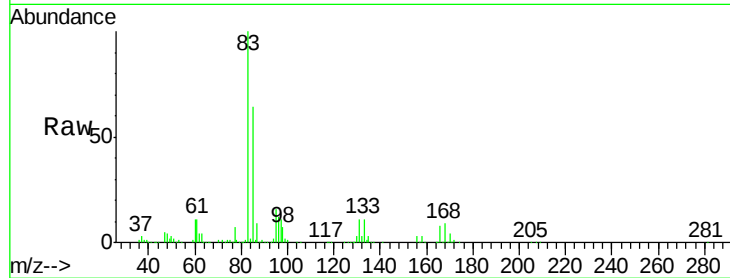
83 100

131 11.2 5.6 16.8

85 64.2 32.1 96.3

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#76

1,2,3-Trichloropropane

Concen: 50.795 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY000185.D

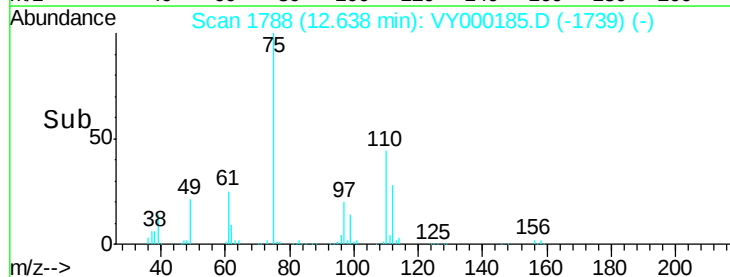
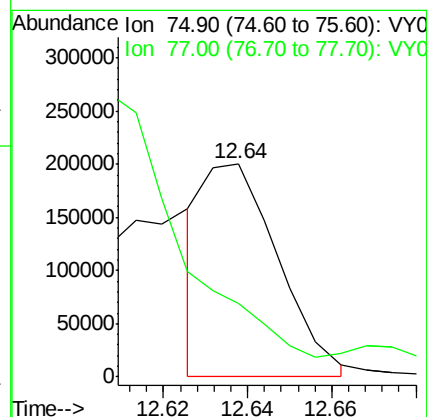
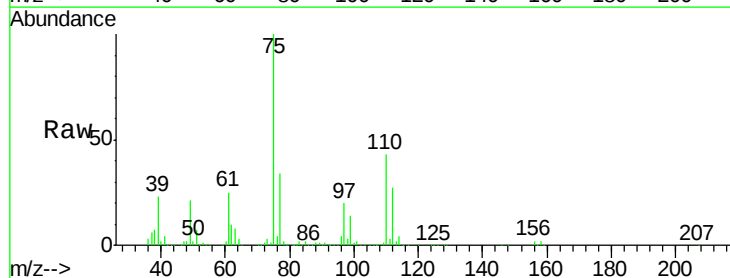
Acq: 03 Oct 2019 16:01

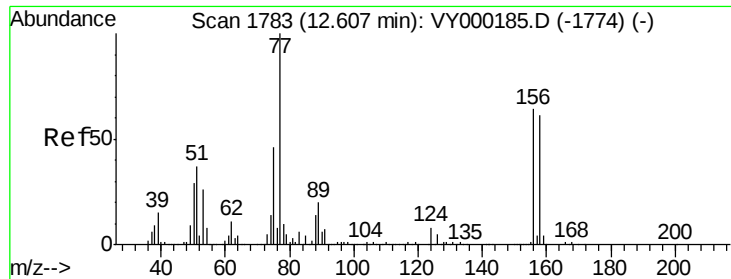
Tgt Ion: 75 Resp: 245764

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





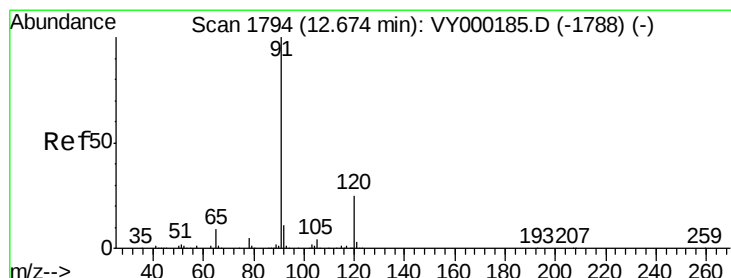
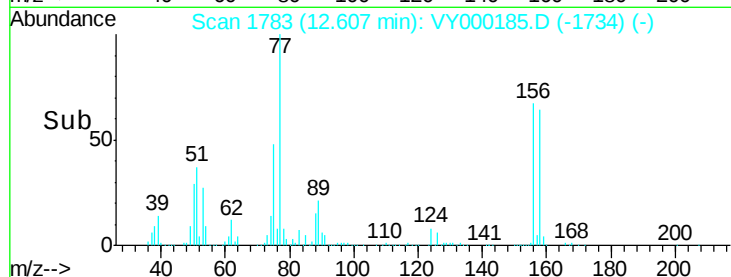
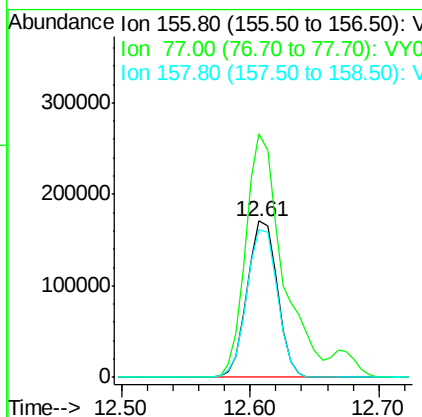
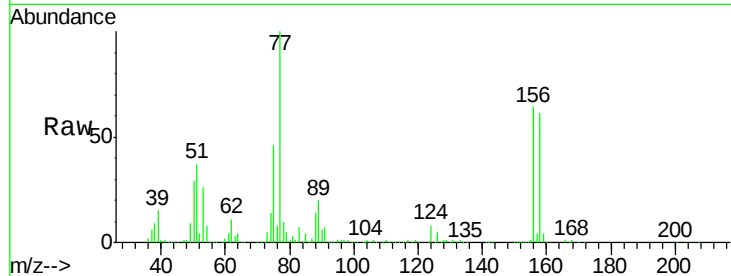
#77
Bromobenzene
Concen: 54.853 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.5	95.3	285.8
158	96.1	48.0	144.2

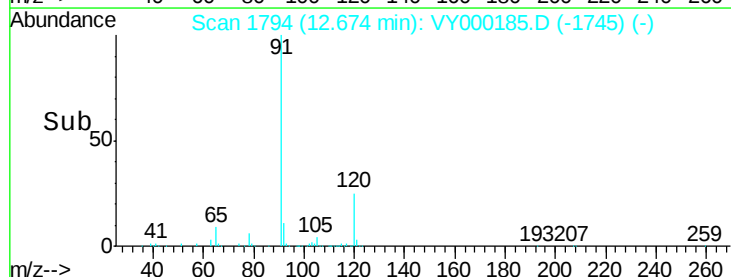
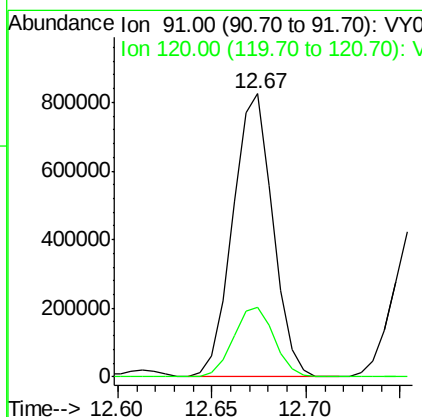
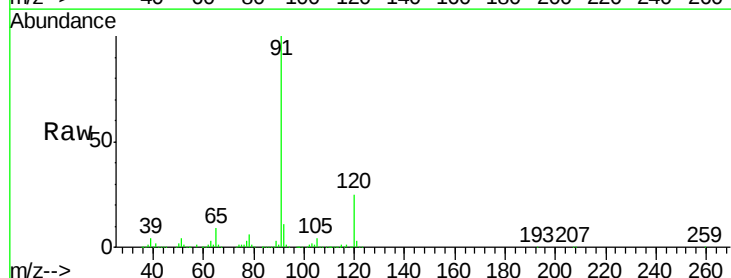
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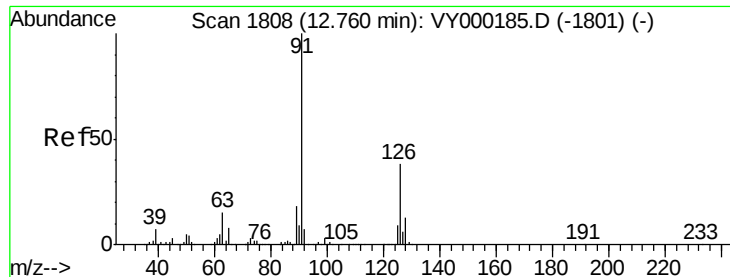
MMDadoda
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#78
n-propylbenzene
Concen: 59.486 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.6	37.8





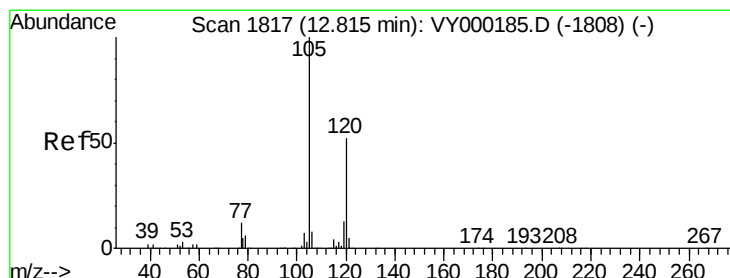
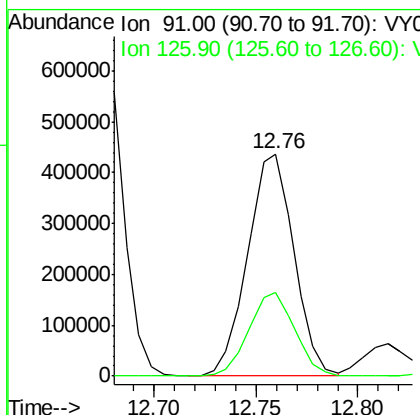
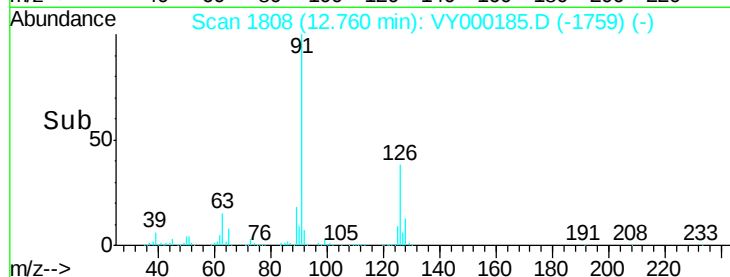
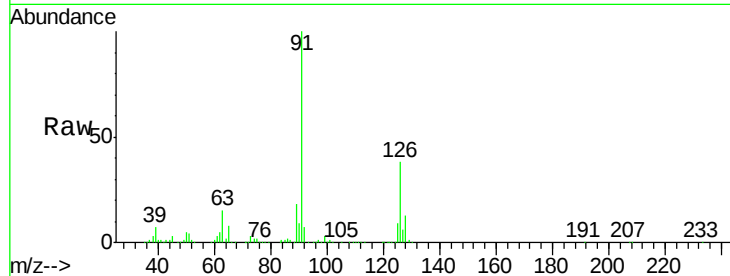
#79
2-Chlorotoluene
Concen: 57.559 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 691357
Ion Ratio Lower Upper
91 100
126 37.3 18.6 56.0

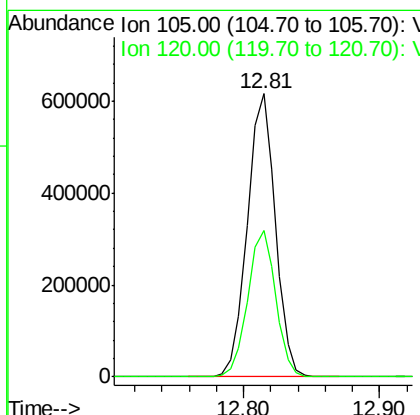
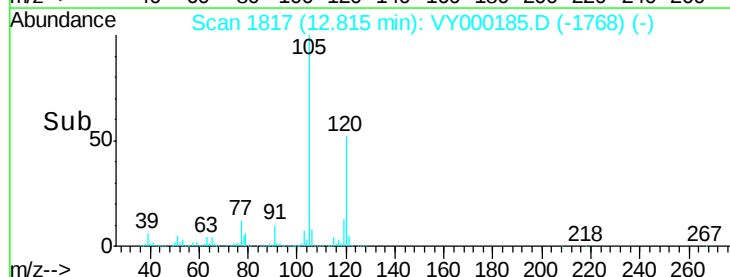
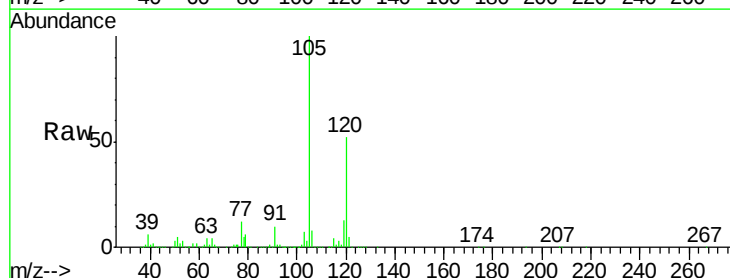
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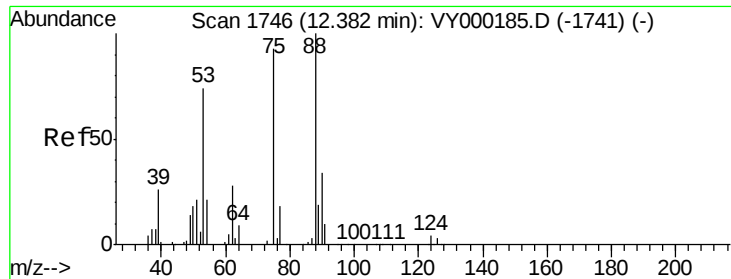
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 58.101 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion: 105 Resp: 888234
Ion Ratio Lower Upper
105 100
120 51.7 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.721 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

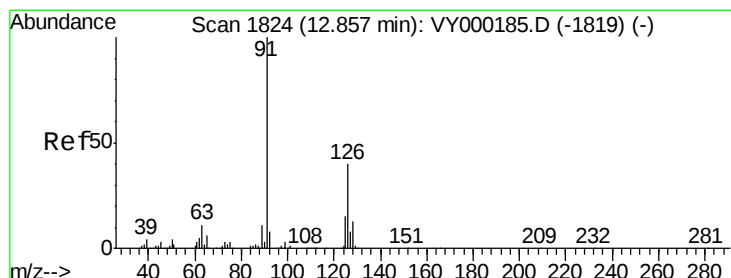
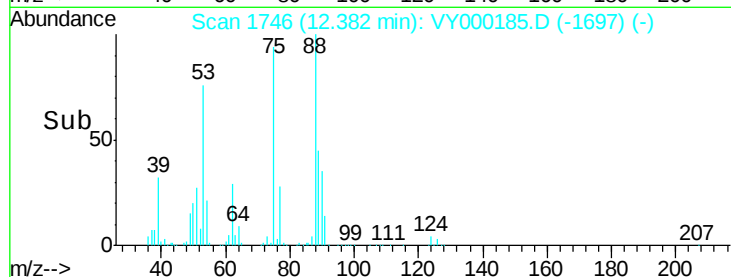
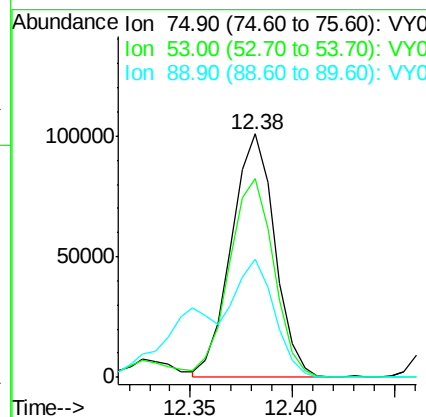
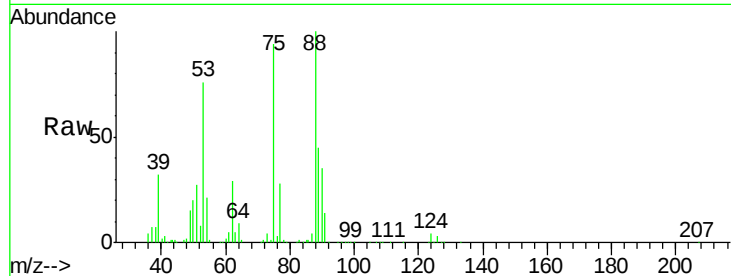
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	147877
Ion Ratio	Lower	Upper	
75	100		
53	84.6	67.7	101.5
89	46.2	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 56.465 ug/l

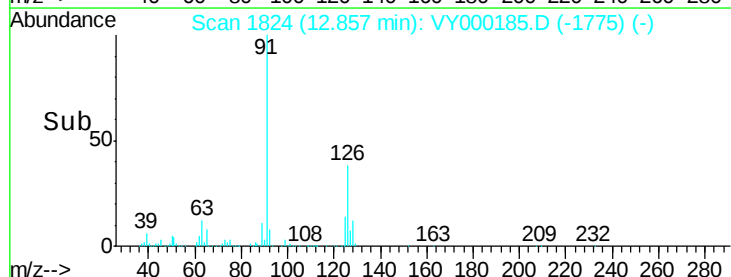
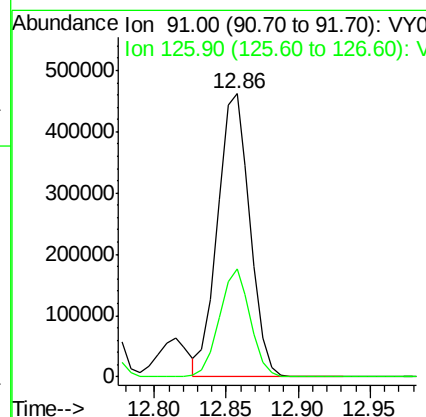
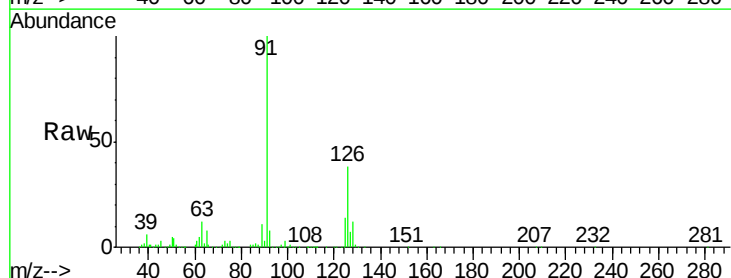
RT: 12.86 min Scan# 1824

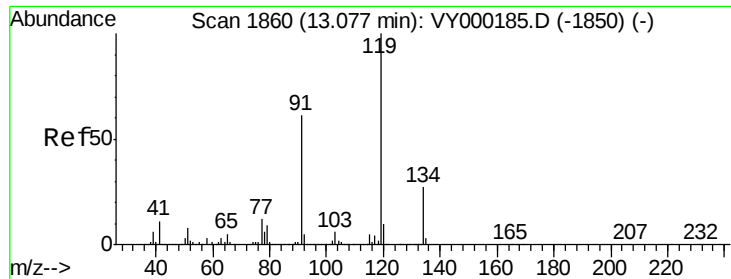
Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:	91	Resp:	722121
Ion Ratio	Lower	Upper	
91	100		
126	36.7	18.4	55.0





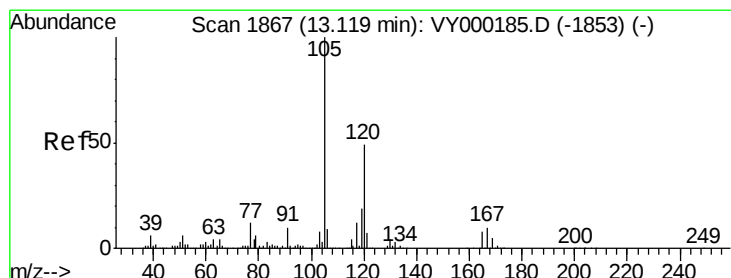
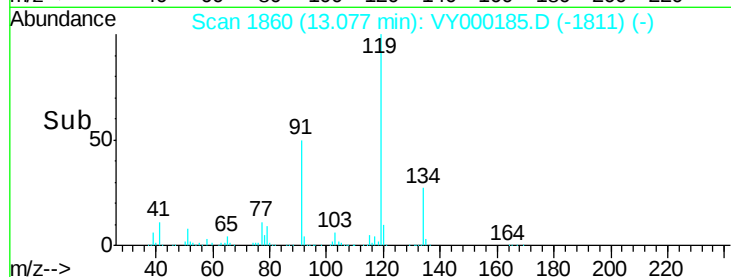
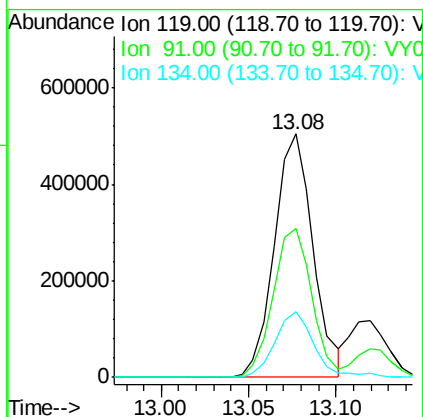
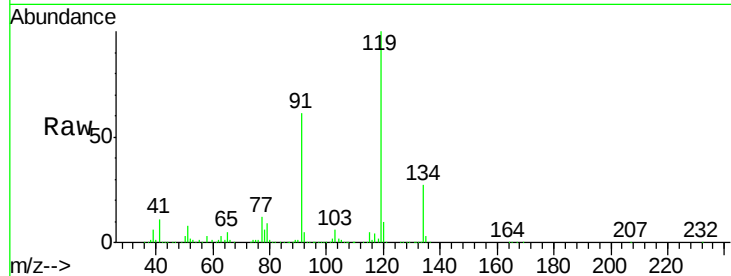
#83
tert-Butylbenzene
Concen: 55.901 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.6	92.0
134	27.4	13.7	41.1

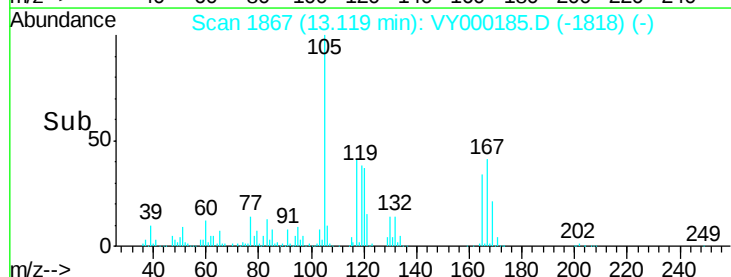
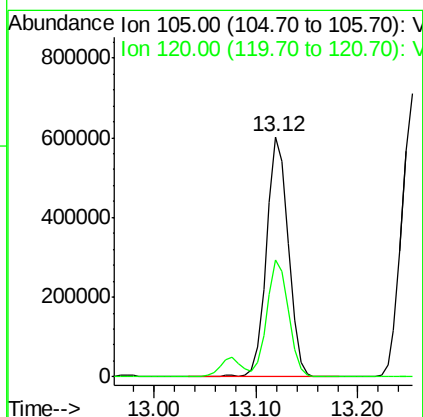
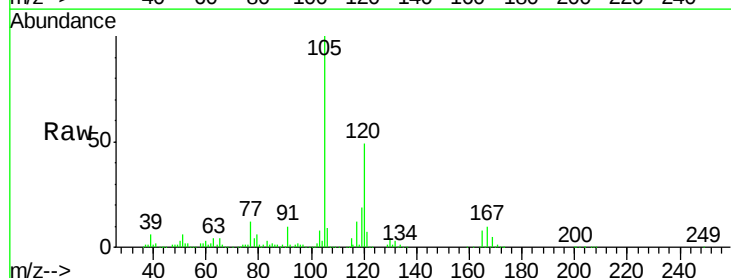
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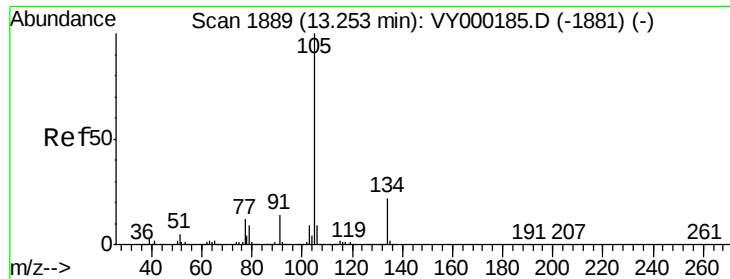
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#84
1,2,4-Trimethylbenzene
Concen: 58.645 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0





#85

sec-Butylbenzene

Concen: 57.538 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1073053

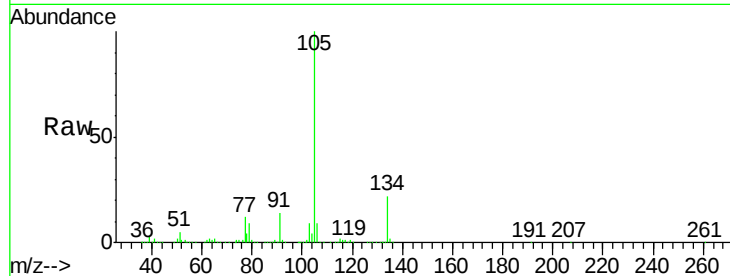
Ion Ratio Lower Upper

105 100

134 21.9 10.9 32.9

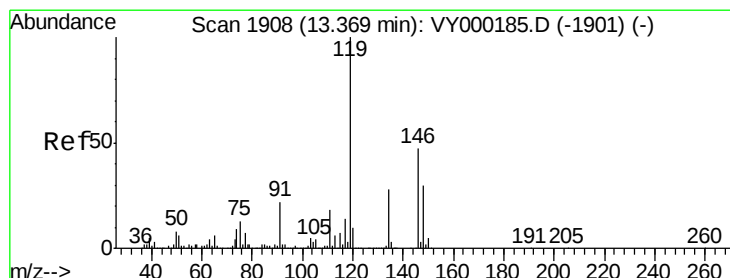
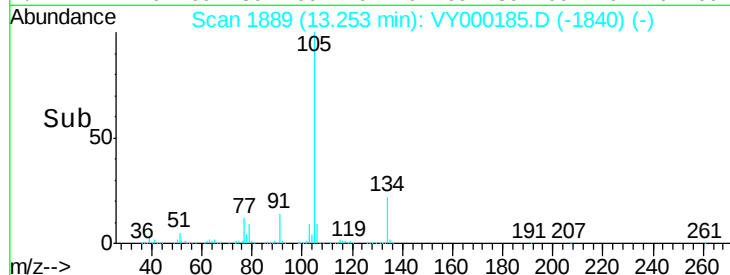
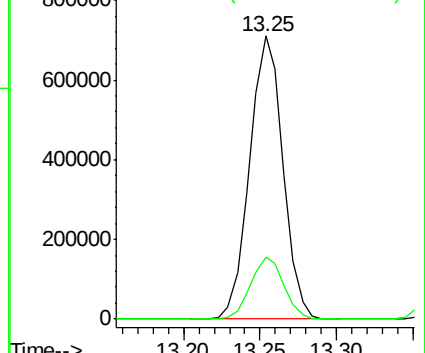
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.139 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

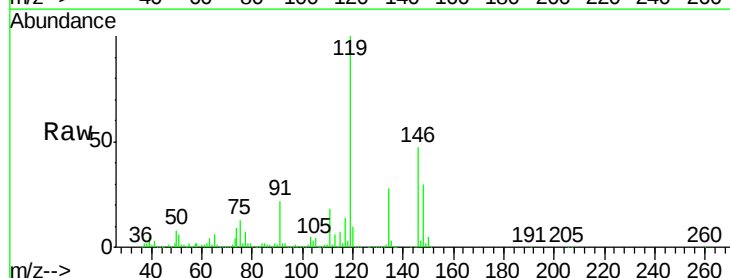
Tgt Ion:119 Resp: 977434

Ion Ratio Lower Upper

119 100

134 28.1 14.1 42.2

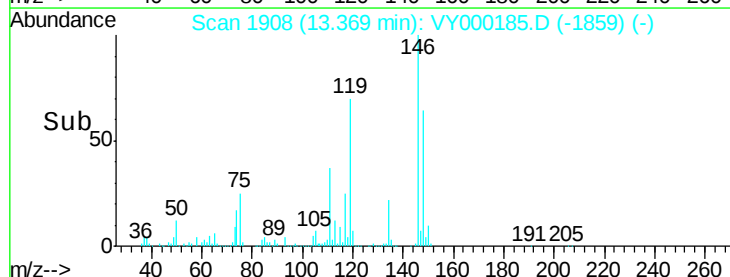
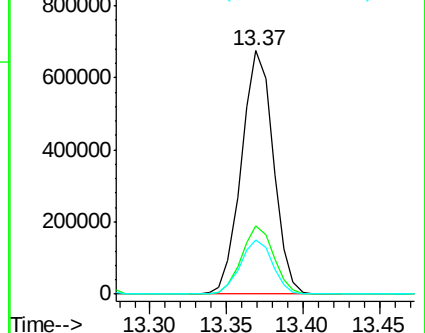
91 22.3 11.2 33.5

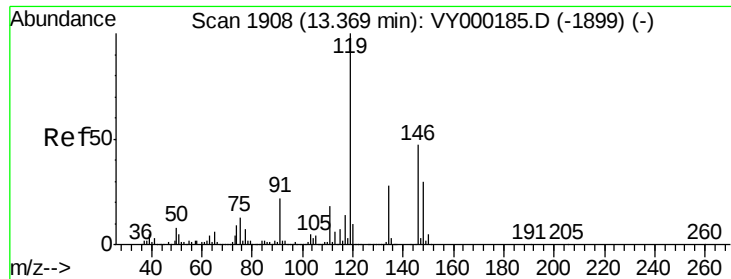


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





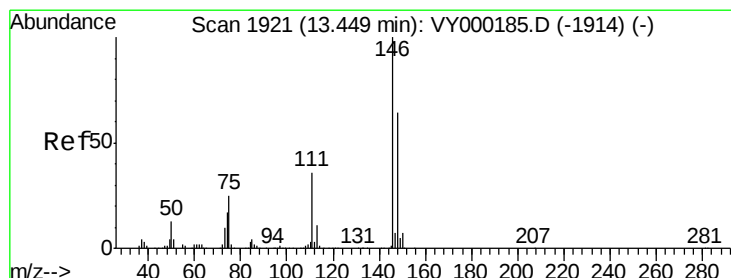
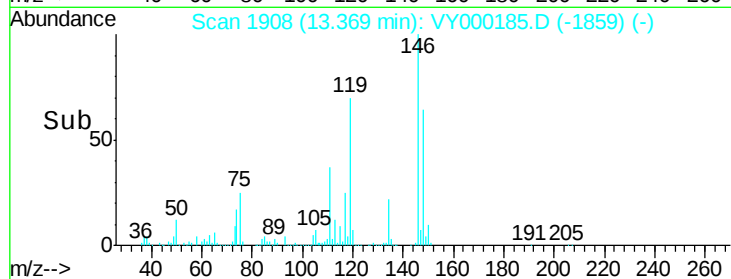
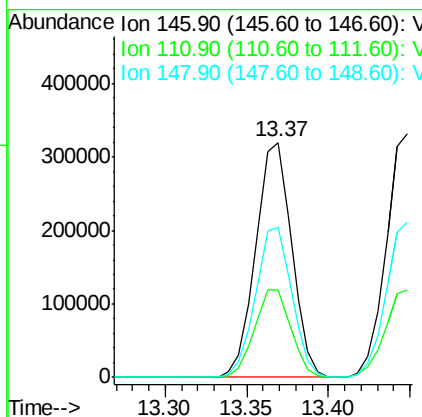
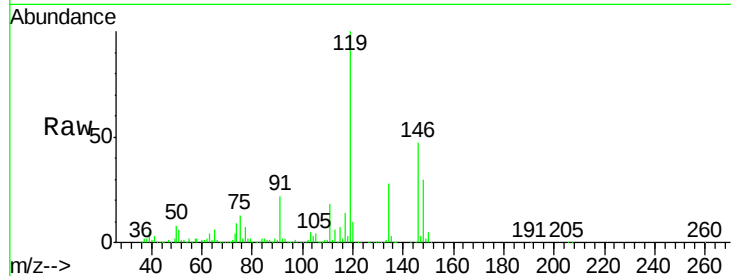
#87
 1,3-Dichlorobenzene
 Concen: 54.335 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.5	32.3	96.8

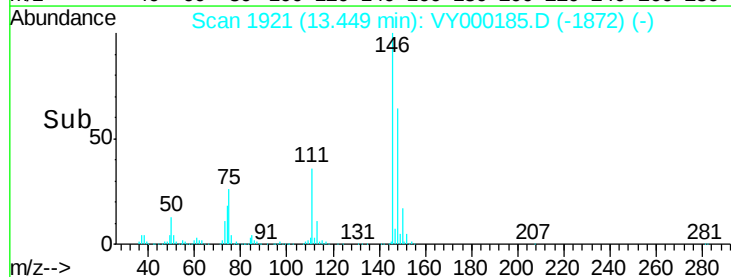
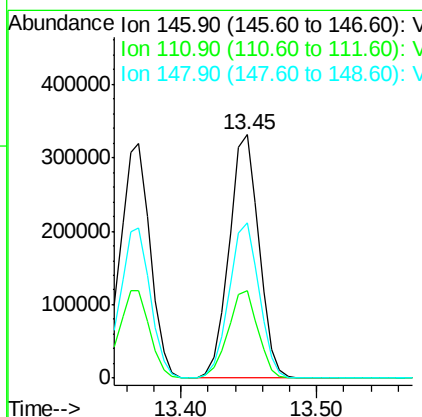
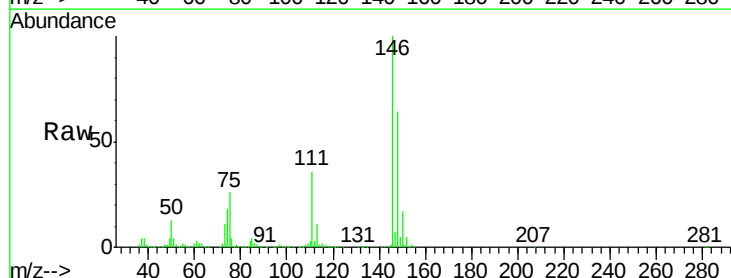
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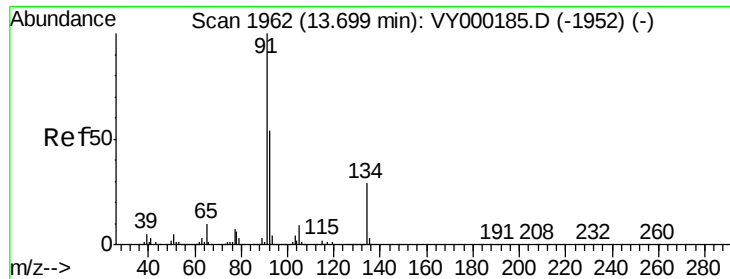
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#88
 1,4-Dichlorobenzene
 Concen: 53.386 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	64.5	32.3	96.8





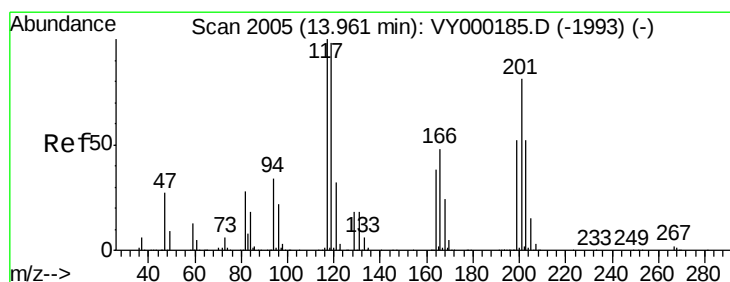
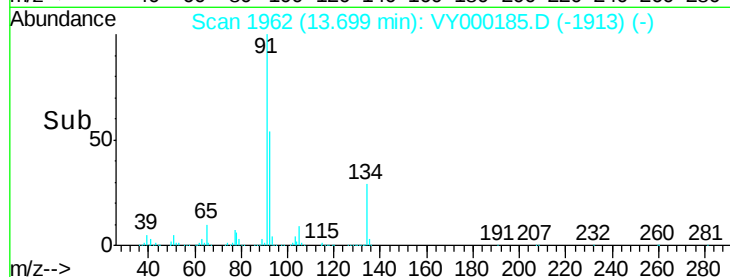
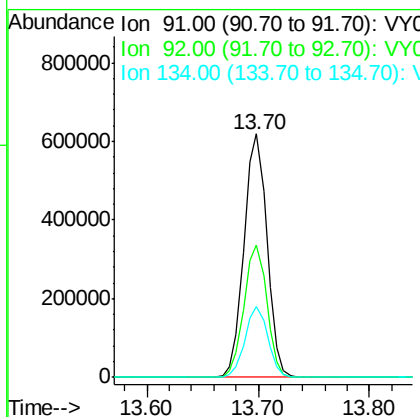
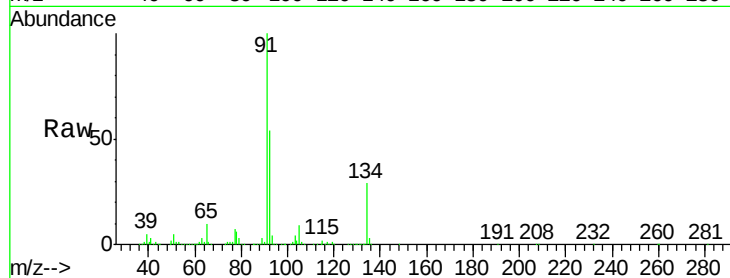
#89
n-Butylbenzene
Concen: 59.034 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	28.7	14.4	43.0

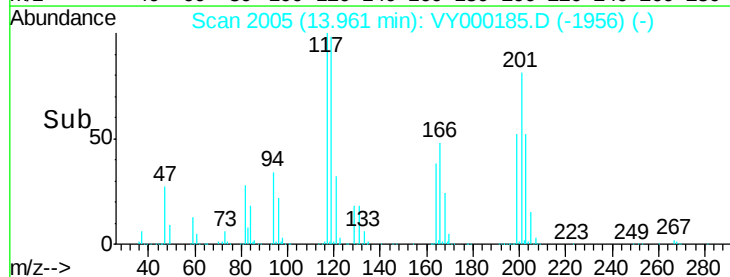
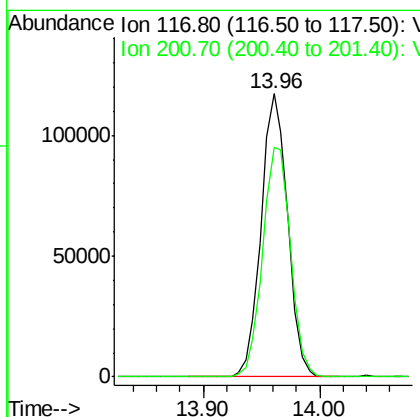
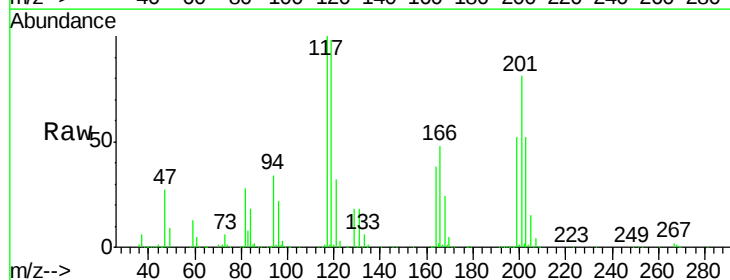
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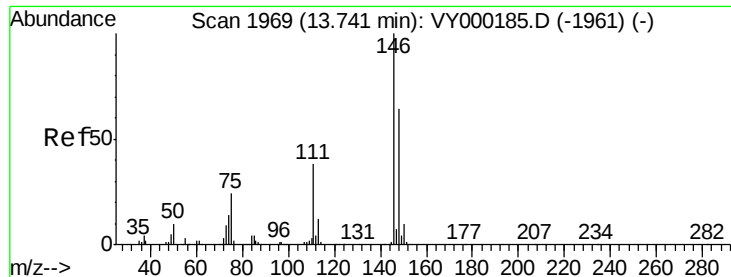
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#90
Hexachloroethane
Concen: 54.841 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000185.D
Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.6	128.0





#91

1,2-Dichlorobenzene

Concen: 52.945 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 487388

Ion Ratio Lower Upper

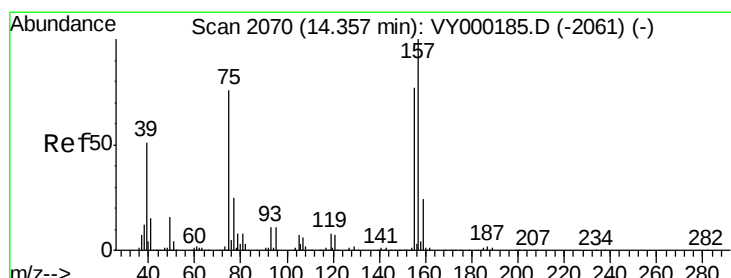
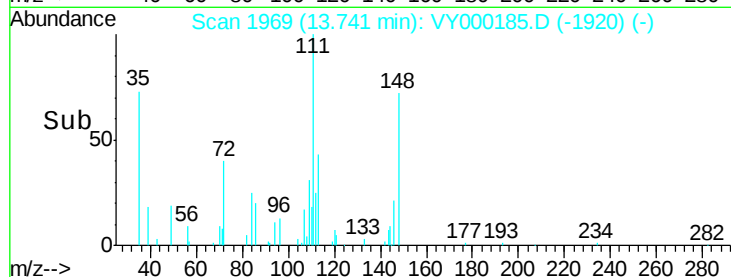
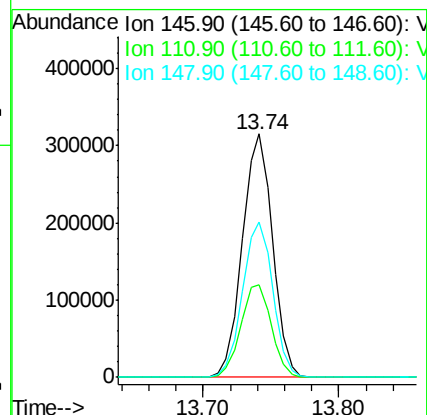
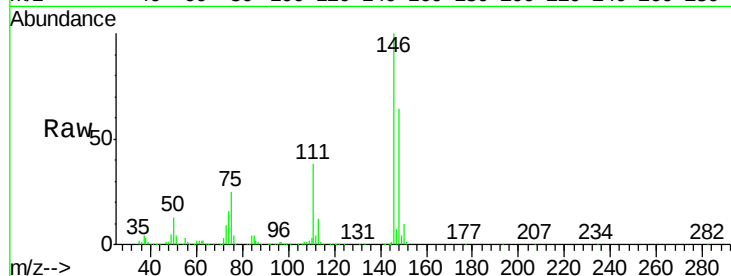
146 100

111 38.8 19.4 58.2

148 64.3 32.1 96.5

Manual Integrations
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10/7/2019 12:50:56 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.803 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

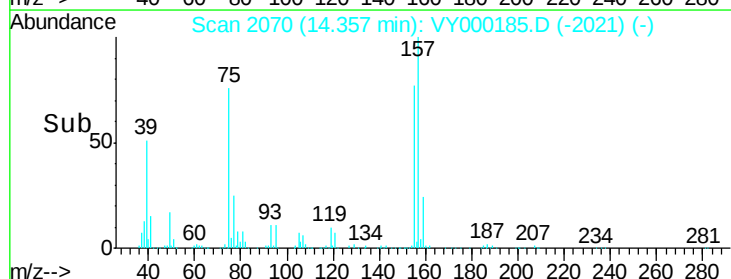
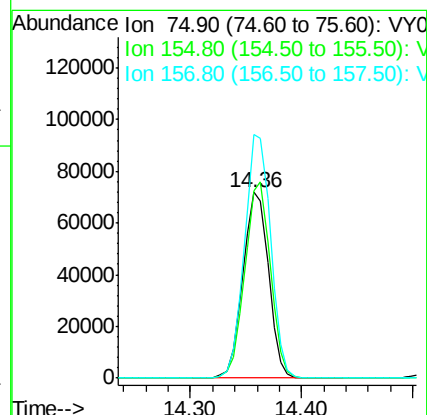
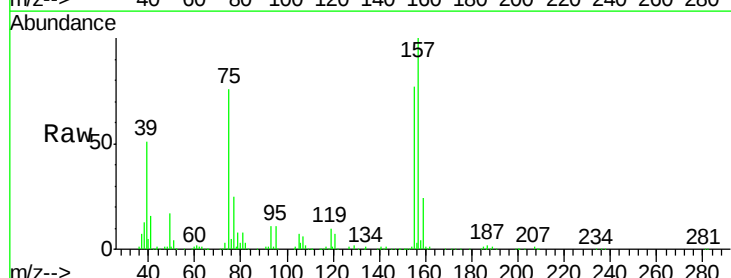
Tgt Ion: 75 Resp: 114633

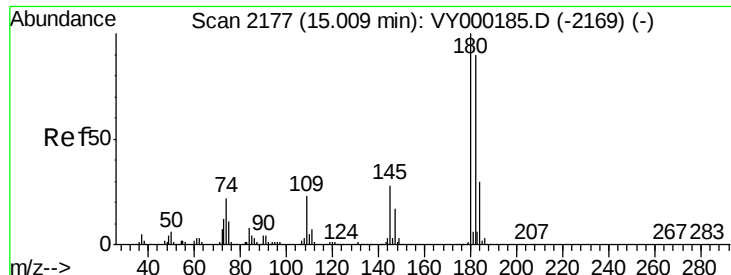
Ion Ratio Lower Upper

75 100

155 104.7 52.3 157.1

157 133.5 66.8 200.3





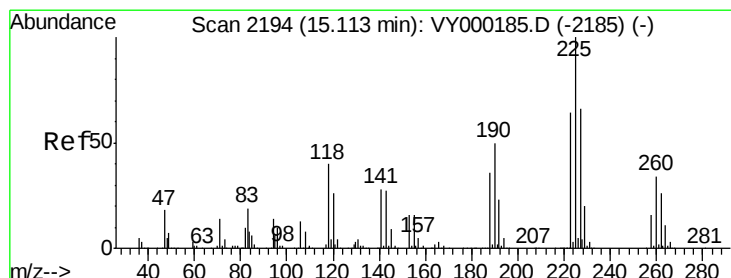
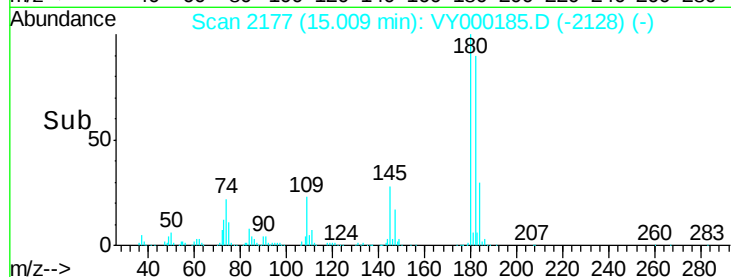
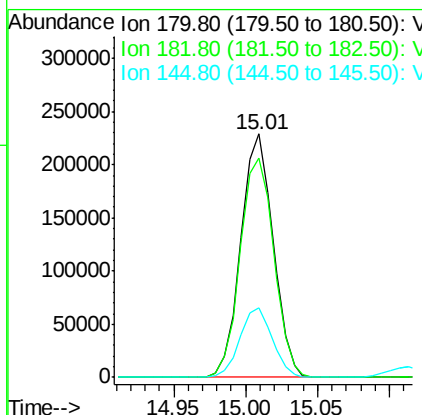
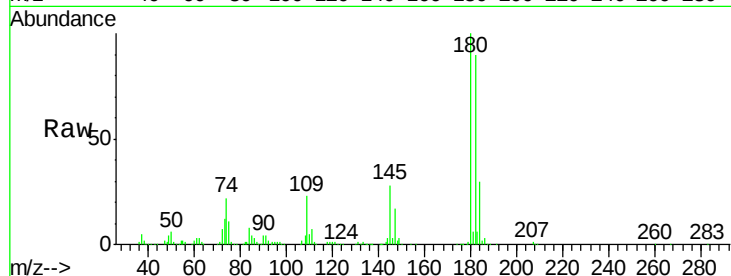
#93
 1,2,4-Trichlorobenzene
 Concen: 52.858 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.1	141.3	
145	28.8	14.4	43.2	

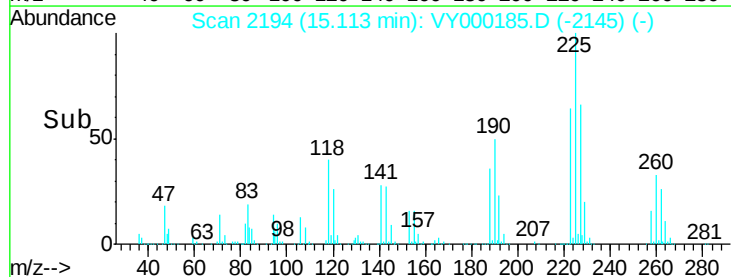
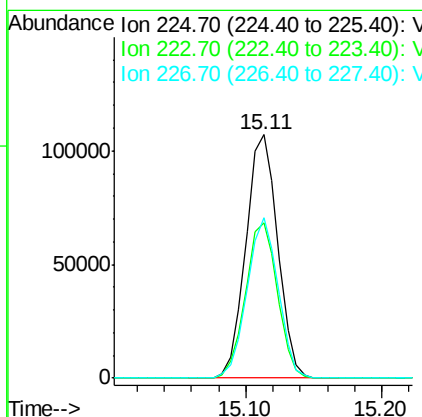
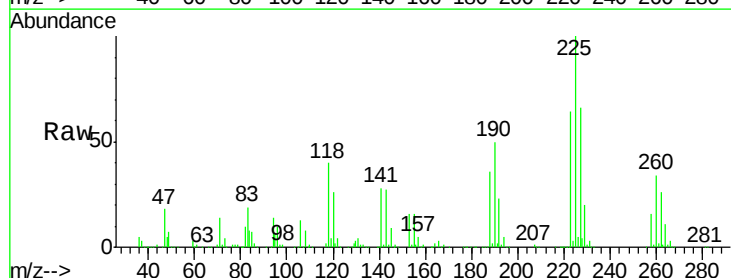
Manual Integrations
 APPROVED

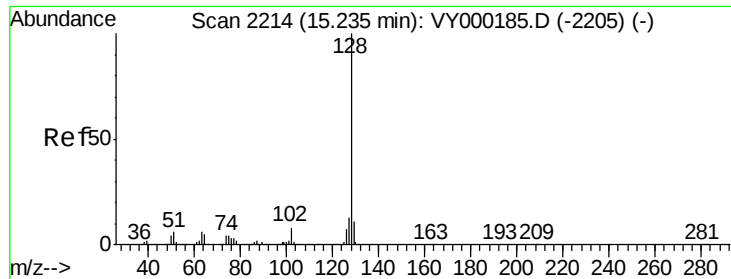
MMDadoda
 10/7/2019 12:50:56 PM



#94
 Hexachlorobutadiene
 Concen: 56.085 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY000185.D
 Acq: 03 Oct 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.9	95.9	
227	64.2	32.1	96.3	





#95

Naphthalene

Concen: 52.085 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Instrument :

MSVOA_Y

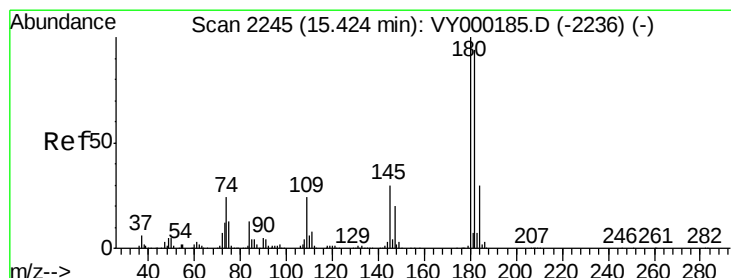
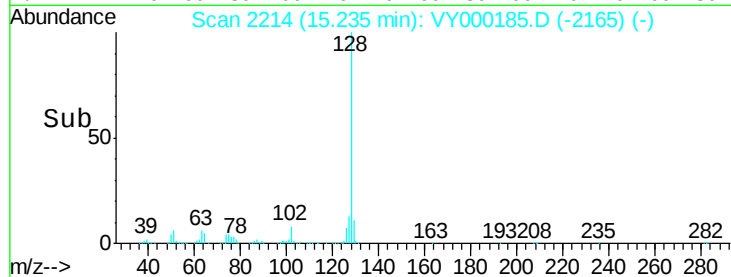
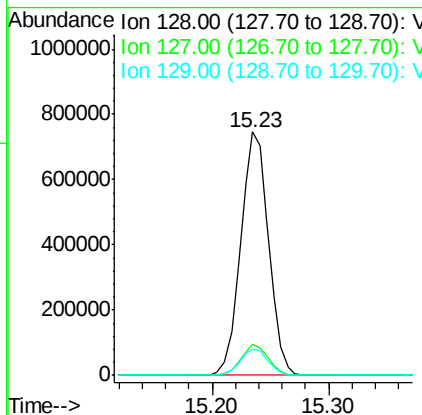
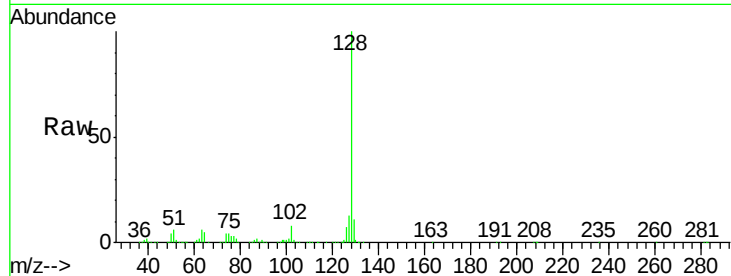
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	1239100
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:50:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.352 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000185.D

Acq: 03 Oct 2019 16:01

Tgt Ion:	180	Resp:	348929
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	30.8	15.4	46.2

