

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013813.D
 Acq On : 19 May 2023 11:31
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 22 04:04:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	269387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	365838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180438	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	152837	48.839	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.680%
35) Dibromofluoromethane	7.722	113	132897	51.003	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.179	98	500814	50.697	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.400%
62) 4-Bromofluorobenzene	12.483	95	168172	51.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	105834	54.718	ug/l	98
3) Chloromethane	2.113	50	126228	43.047	ug/l	97
4) Vinyl Chloride	2.253	62	133667	45.651	ug/l	98
5) Bromomethane	2.656	94	93242	35.912	ug/l	99
6) Chloroethane	2.796	64	84957	42.213	ug/l	98
7) Trichlorofluoromethane	3.131	101	232785	54.625	ug/l	99
8) Diethyl Ether	3.534	74	73493	51.540	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	128422	51.491	ug/l	98
10) Methyl Iodide	4.095	142	145624	53.145	ug/l	96
11) Tert butyl alcohol	4.966	59	66623	262.801	ug/l	97
12) 1,1-Dichloroethene	3.875	96	117449	51.954	ug/l	95
13) Acrolein	3.735	56	102553	226.443	ug/l	99
14) Allyl chloride	4.485	41	212438	47.704	ug/l	96
15) Acrylonitrile	5.168	53	191658	229.192	ug/l	99
16) Acetone	3.954	43	238794	252.920	ug/l	99
17) Carbon Disulfide	4.198	76	306913	47.246	ug/l	100
18) Methyl Acetate	4.485	43	143932	43.727	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	345060	50.310	ug/l	99
20) Methylene Chloride	4.716	84	148614	52.521	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	128217	50.370	ug/l	93
22) Diisopropyl ether	6.119	45	451780	47.694	ug/l	99
23) Vinyl Acetate	6.064	43	1303641	237.828	ug/l	97
24) 1,1-Dichloroethane	6.015	63	250935	48.459	ug/l	99
25) 2-Butanone	6.984	43	282625	230.274	ug/l	98
26) 2,2-Dichloropropane	6.984	77	235179	53.170	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	151520	50.516	ug/l	99
28) Bromochloromethane	7.338	49	76975	42.485	ug/l	88
29) Tetrahydrofuran	7.350	42	162068	220.688	ug/l	96
30) Chloroform	7.502	83	266409	51.054	ug/l	99
31) Cyclohexane	7.789	56	199724	44.514	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	239737	53.822	ug/l	98
36) 1,1-Dichloropropene	7.917	75	189923	52.753	ug/l	99
37) Ethyl Acetate	7.076	43	113417	45.797	ug/l	99
38) Carbon Tetrachloride	7.899	117	216959	57.123	ug/l	98
39) Methylcyclohexane	9.185	83	210757	51.504	ug/l	97
40) Benzene	8.161	78	541192	51.727	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	158838	129.066	ug/l #	14
42) 1,2-Dichloroethane	8.240	62	181539	53.703	ug/l	99
43) Isopropyl Acetate	8.271	43	212178	47.203	ug/l	97
44) Trichloroethene	8.941	130	144431	52.808	ug/l	99
45) 1,2-Dichloropropane	9.216	63	142378	49.523	ug/l	98
46) Dibromomethane	9.307	93	81115	50.377	ug/l	98
47) Bromodichloromethane	9.496	83	200914	52.689	ug/l	97
48) Methyl methacrylate	9.295	41	98942	47.919	ug/l	96
49) 1,4-Dioxane	9.301	88	18522	937.271	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	585181	233.782	ug/l	99
52) Toluene	10.246	92	334341	52.713	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	206515	52.527	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	227531	51.869	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	110972	50.673	ug/l	98
56) Ethyl methacrylate	10.508	69	152985	52.347	ug/l	98
57) 1,3-Dichloropropane	10.788	76	188217	49.957	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	228699	215.994	ug/l	95
59) 2-Hexanone	10.831	43	432923	243.317	ug/l	100
60) Dibromochloromethane	10.984	129	142436	53.677	ug/l	100
61) 1,2-Dibromoethane	11.087	107	104515	50.611	ug/l	98
64) Tetrachloroethene	10.721	164	122996	52.998	ug/l	97
65) Chlorobenzene	11.514	112	363478	52.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	144328	53.642	ug/l	98
67) Ethyl Benzene	11.593	91	662113	53.810	ug/l	99
68) m/p-Xylenes	11.703	106	500057	108.504	ug/l	99
69) o-Xylene	12.032	106	235355	53.684	ug/l	98
70) Styrene	12.044	104	406356	54.573	ug/l	99
71) Bromoform	12.209	173	96292	54.173	ug/l #	97
73) Isopropylbenzene	12.331	105	638786	52.293	ug/l	99
74) N-amyl acetate	12.142	43	192160	46.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	136040	47.011	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	177888	81.459	ug/l #	100
77) Bromobenzene	12.611	156	155483	52.764	ug/l	94
78) n-propylbenzene	12.672	91	792501	52.666	ug/l	98
79) 2-Chlorotoluene	12.758	91	441277	51.961	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	536509	53.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	46229	47.131	ug/l	94
82) 4-Chlorotoluene	12.855	91	460412	52.045	ug/l	98
83) tert-Butylbenzene	13.075	119	464565	53.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	530470	54.337	ug/l	100
85) sec-Butylbenzene	13.251	105	695558	53.146	ug/l	100
86) p-Isopropyltoluene	13.367	119	572627	54.184	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	301766	52.603	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	300126	52.030	ug/l	99
89) n-Butylbenzene	13.696	91	549526	53.037	ug/l	99
90) Hexachloroethane	13.965	117	114091	51.087	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	273967	53.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23655	50.450	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	169834	56.025	ug/l	99
94) Hexachlorobutadiene	15.111	225	104412	55.445	ug/l	99
95) Naphthalene	15.239	128	330516	54.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	151173	55.427	ug/l	100

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QLast Update : Thu May 18 06:54:18 2023
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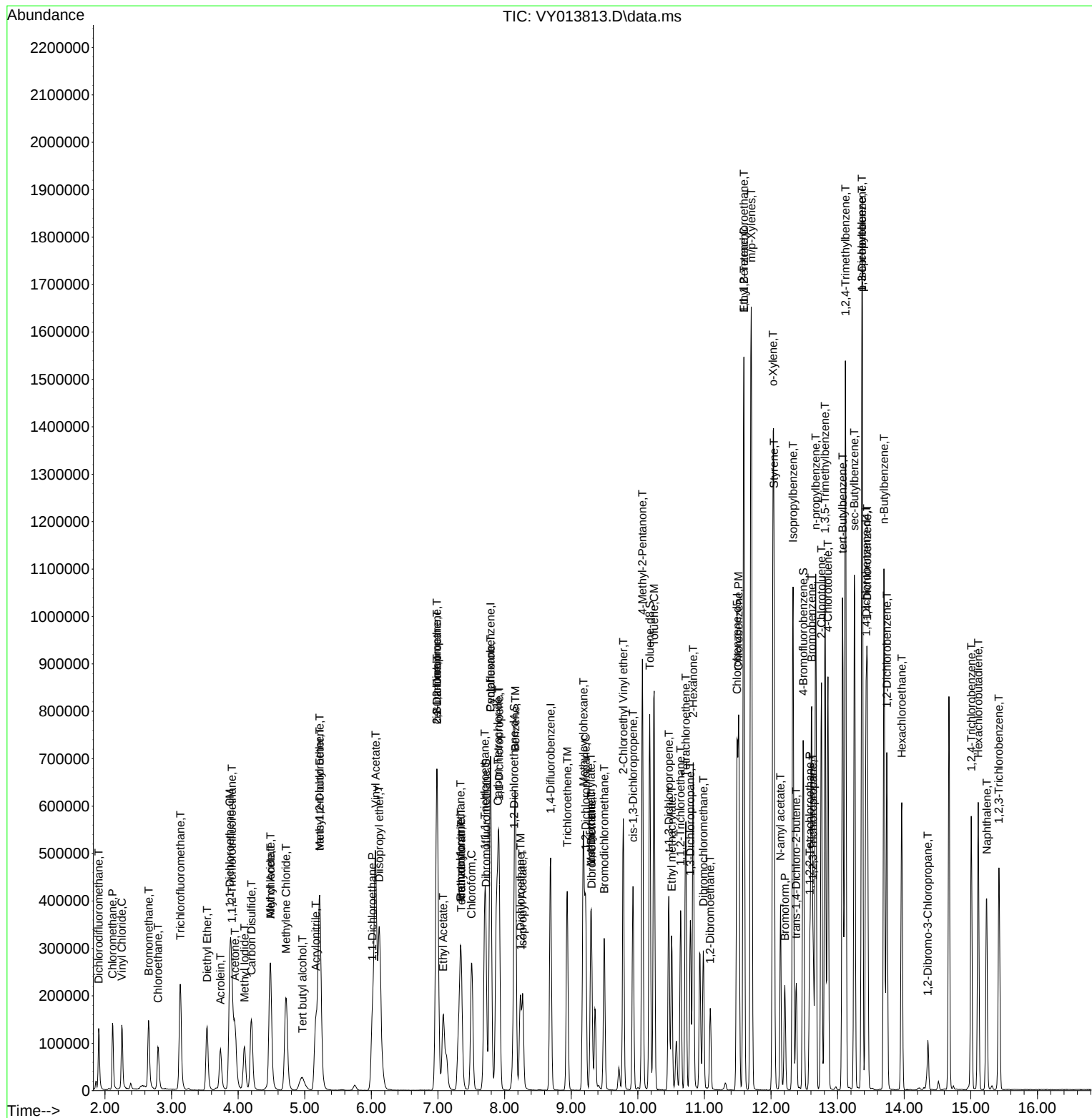
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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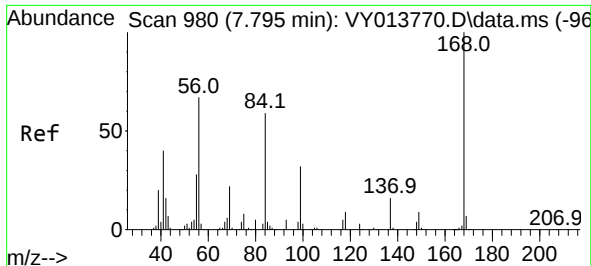
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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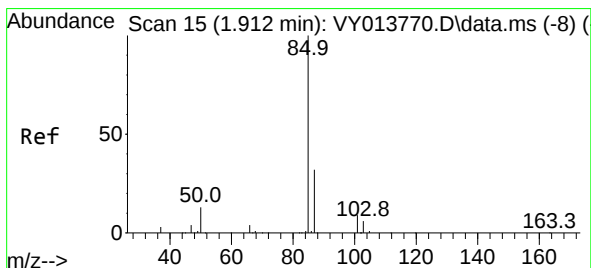
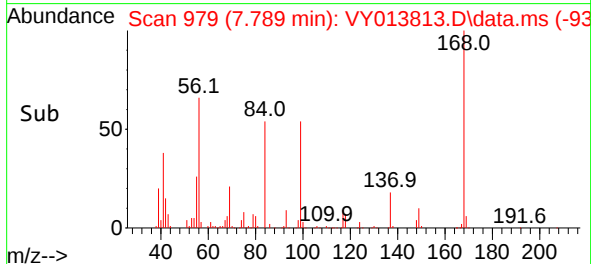
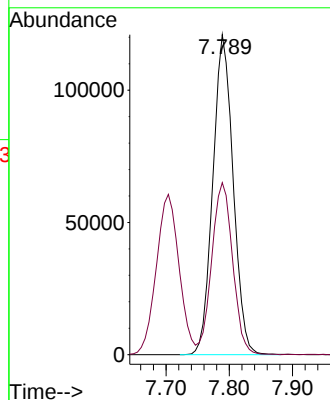
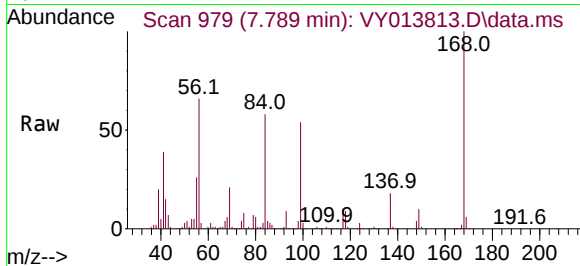




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
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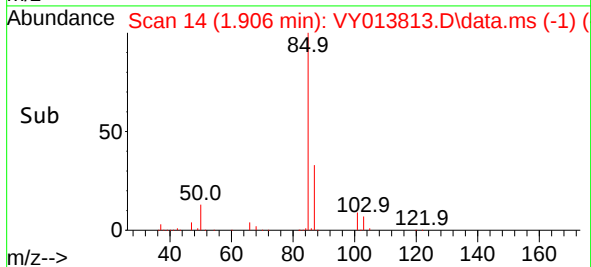
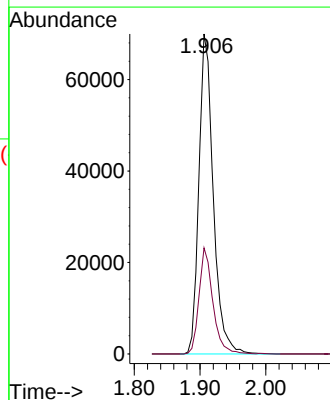
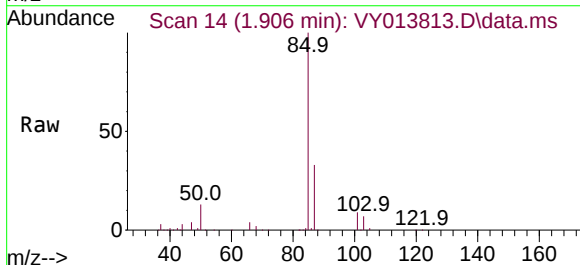
Instrument :
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VSTDCCC050

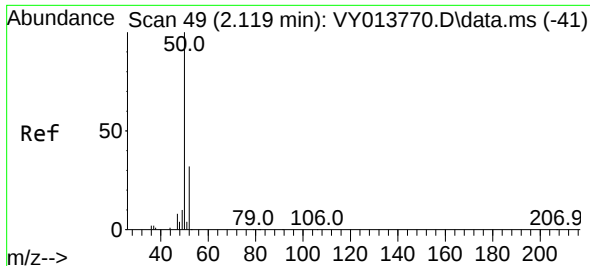
Tgt Ion:168 Resp: 269387
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 54.718 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 85 Resp: 105834
Ion Ratio Lower Upper
85 100
87 33.2 16.1 48.2

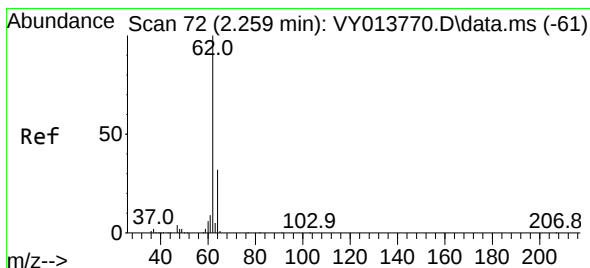
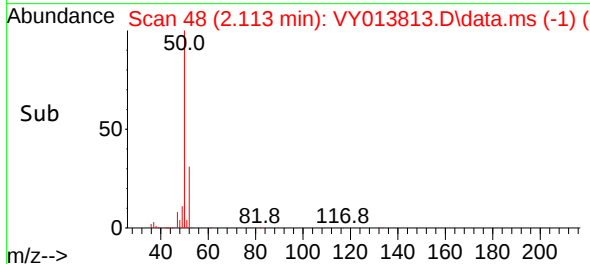
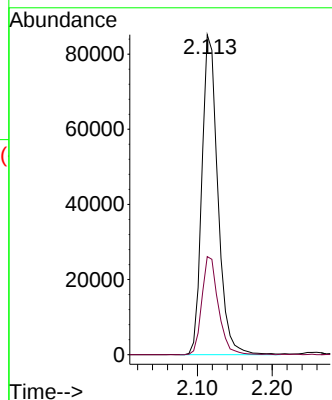
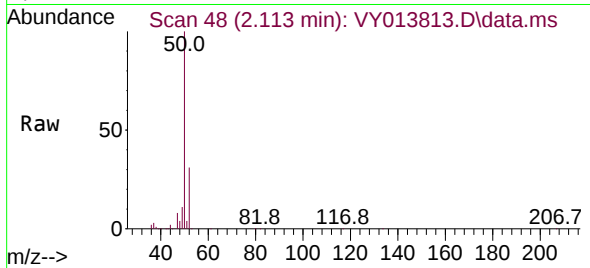




#3
Chloromethane
Concen: 43.047 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013813.D
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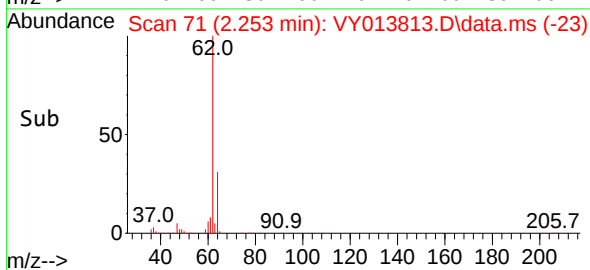
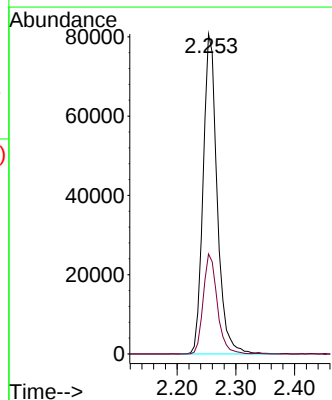
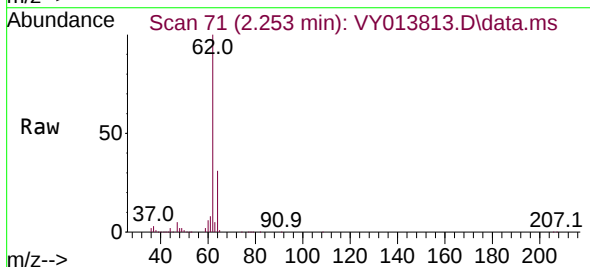
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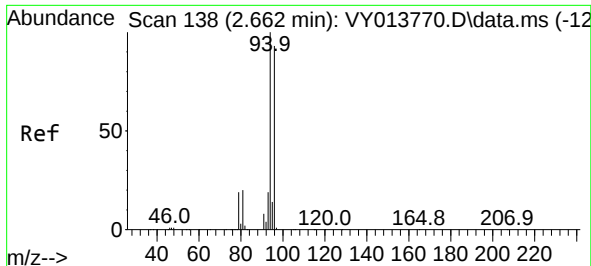
Tgt Ion: 50 Resp: 126228
Ion Ratio Lower Upper
50 100
52 30.6 26.0 39.0



#4
Vinyl Chloride
Concen: 45.651 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 62 Resp: 133667
Ion Ratio Lower Upper
62 100
64 31.2 25.8 38.6

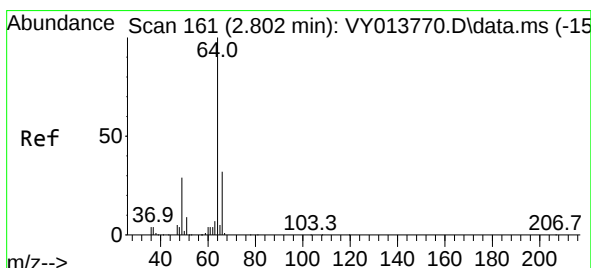
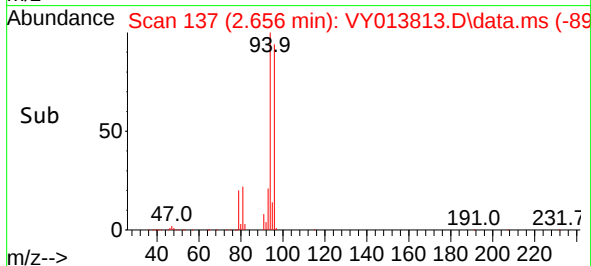
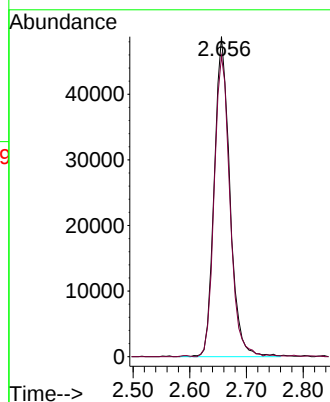
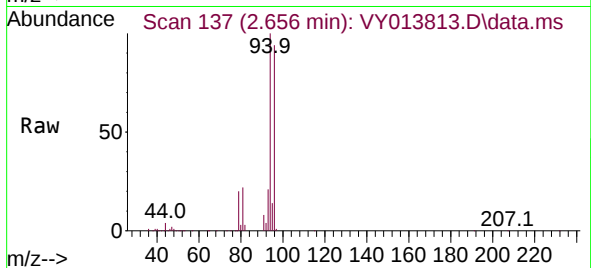




#5
Bromomethane
Concen: 35.912 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013813.D
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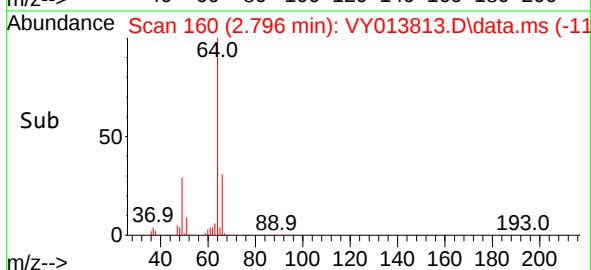
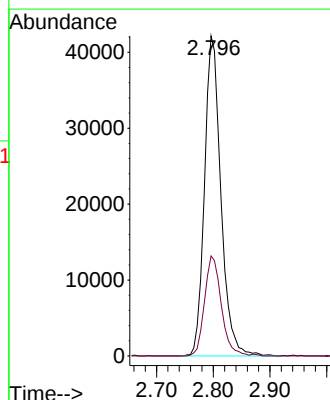
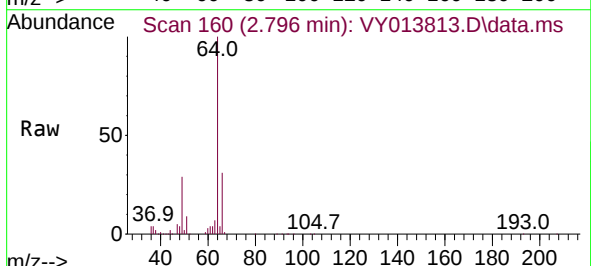
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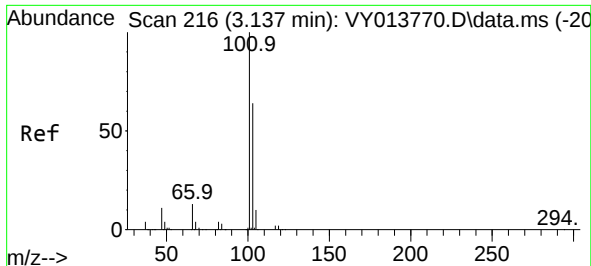
Tgt Ion: 94 Resp: 93242
Ion Ratio Lower Upper
94 100
96 93.8 74.2 111.4



#6
Chloroethane
Concen: 42.213 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
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Tgt Ion: 64 Resp: 84957
Ion Ratio Lower Upper
64 100
66 31.3 25.8 38.6

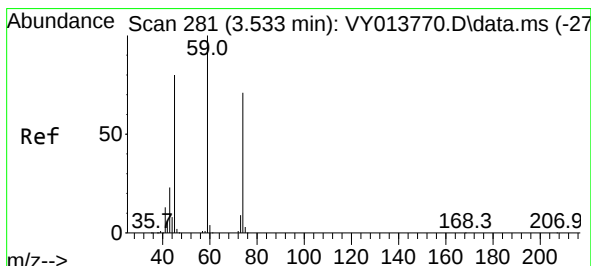
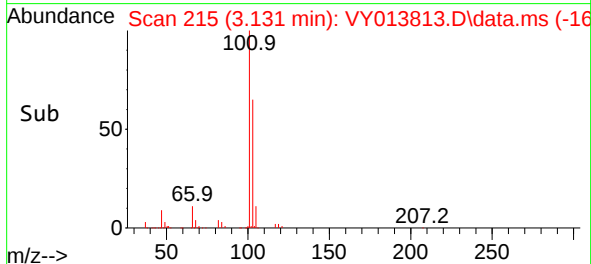
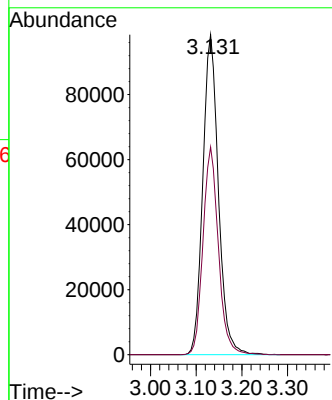
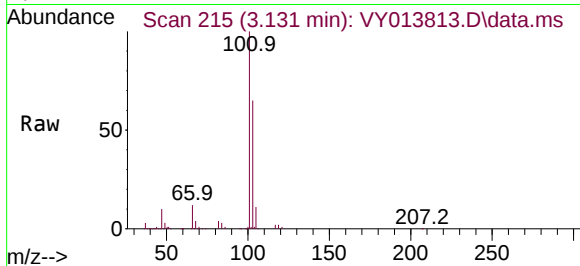




#7
Trichlorofluoromethane
Concen: 54.625 ug/l
RT: 3.131 min Scan# 216
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

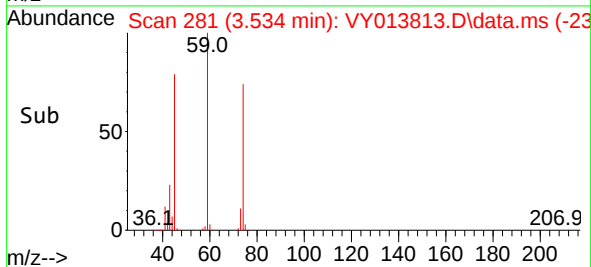
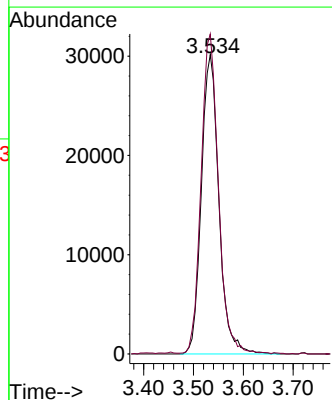
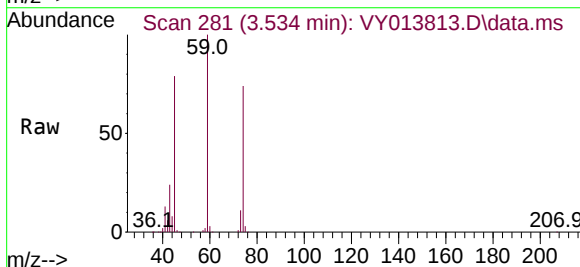
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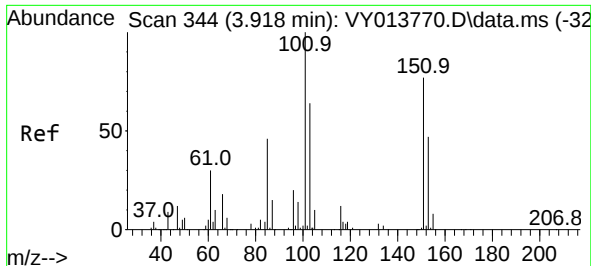
Tgt Ion:101 Resp: 232785
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0



#8
Diethyl Ether
Concen: 51.540 ug/l
RT: 3.534 min Scan# 281
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 74 Resp: 73493
Ion Ratio Lower Upper
74 100
45 105.5 56.1 168.3

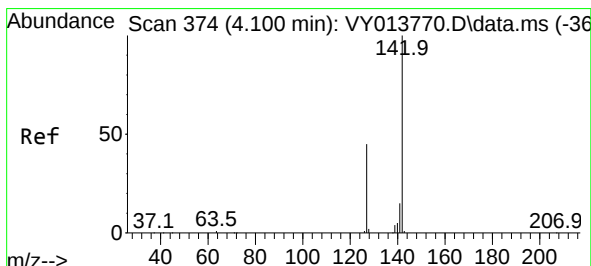
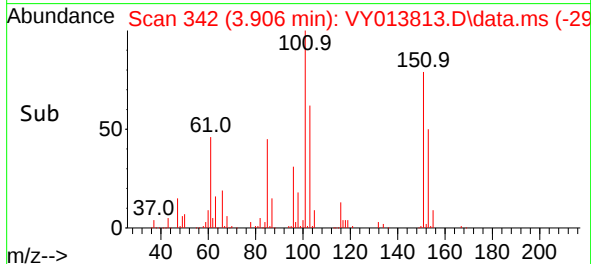
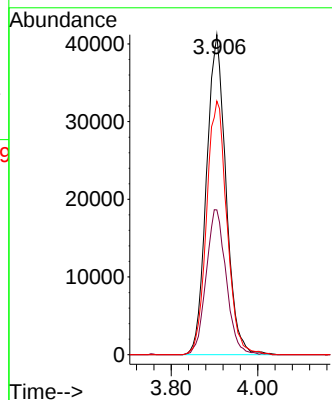
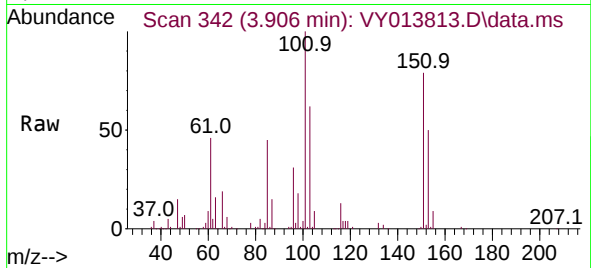




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.491 ug/l
RT: 3.906 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

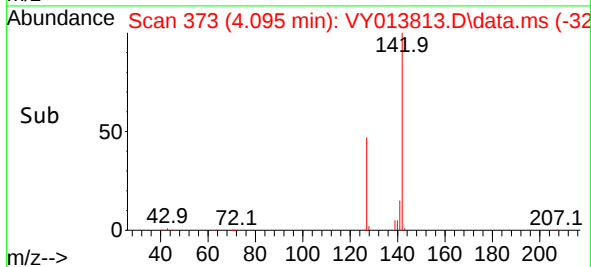
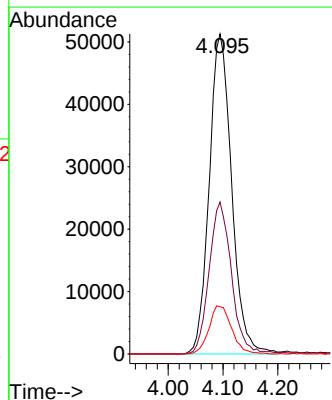
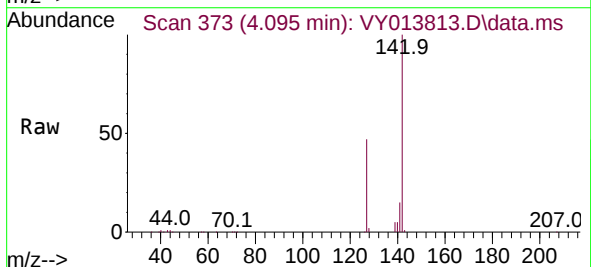
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

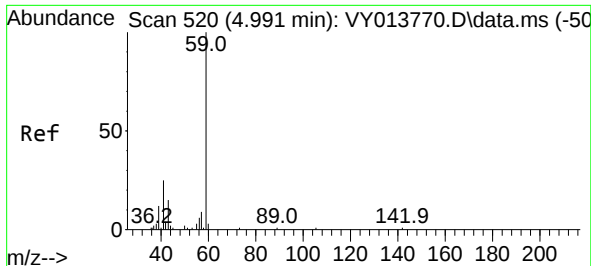
Tgt Ion:101 Resp: 128422
Ion Ratio Lower Upper
101 100
85 46.7 37.8 56.8
151 82.8 64.2 96.2



#10
Methyl Iodide
Concen: 53.145 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion:142 Resp: 145624
Ion Ratio Lower Upper
142 100
127 47.5 35.4 53.2
141 15.2 11.5 17.3

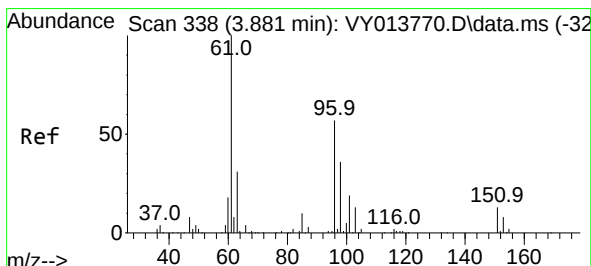
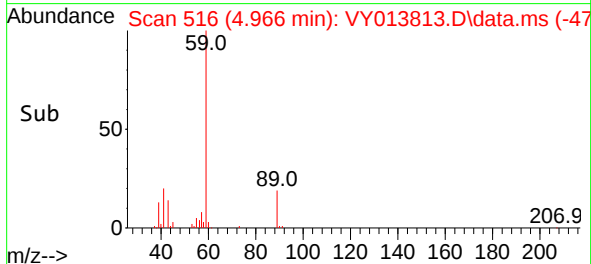
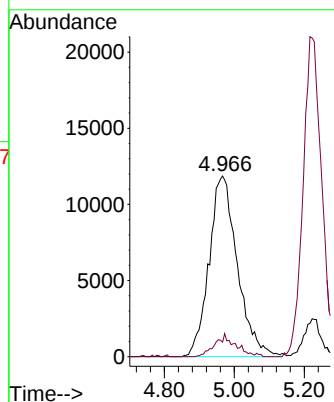
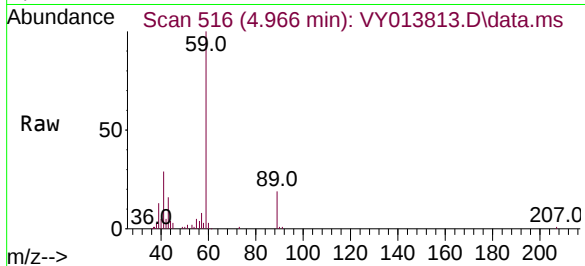




#11
Tert butyl alcohol
Concen: 262.801 ug/l
RT: 4.966 min Scan# 51
Delta R.T. -0.024 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

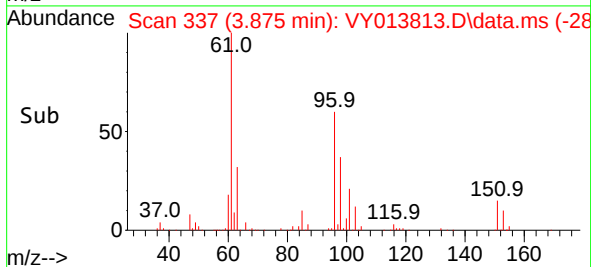
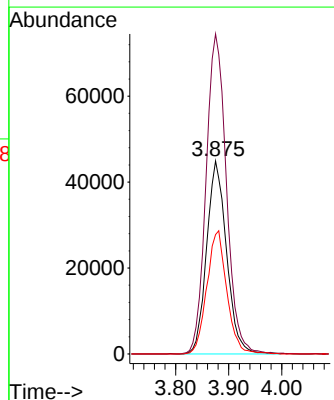
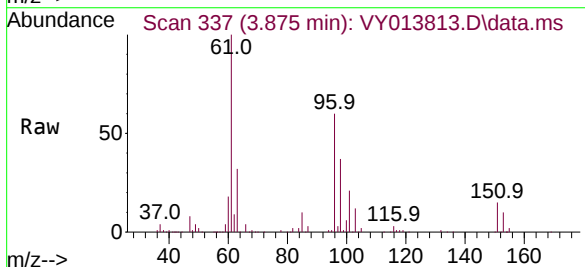
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

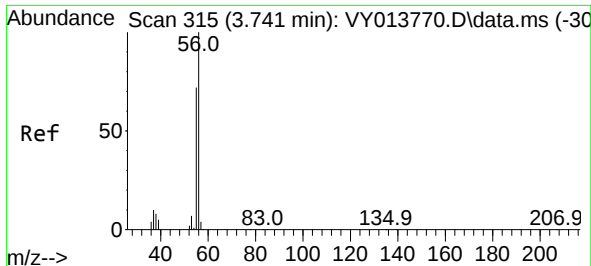
Tgt Ion: 59 Resp: 66623
Ion Ratio Lower Upper
59 100
57 9.1 8.0 12.0



#12
1,1-Dichloroethene
Concen: 51.954 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 96 Resp: 117449
Ion Ratio Lower Upper
96 100
61 165.8 139.8 209.6
98 61.8 49.7 74.5

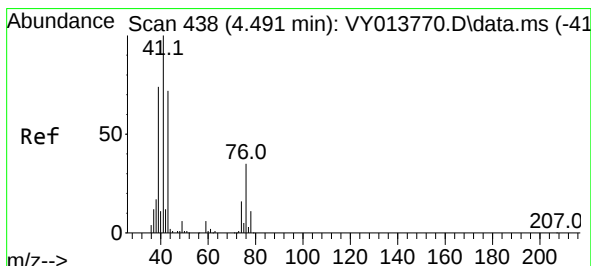
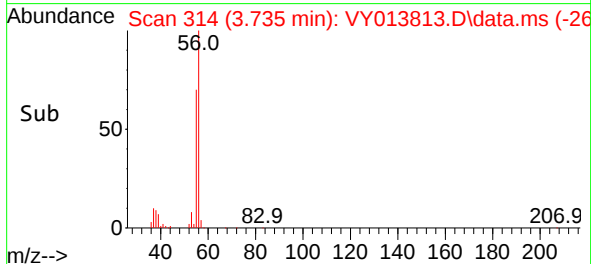
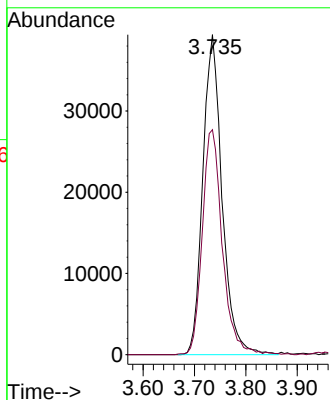
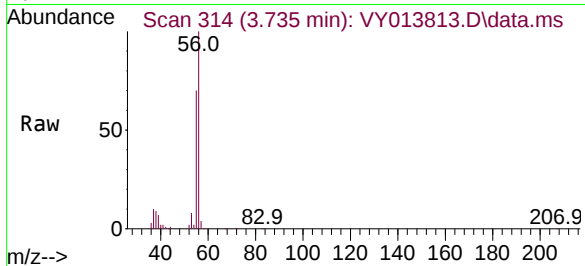




#13
Acrolein
Concen: 226.443 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

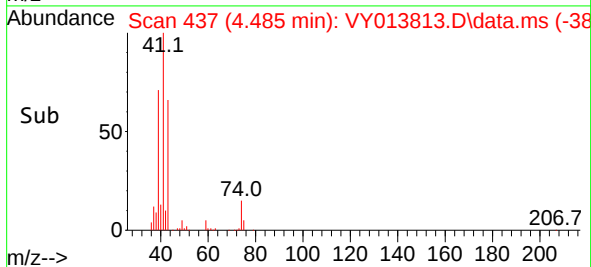
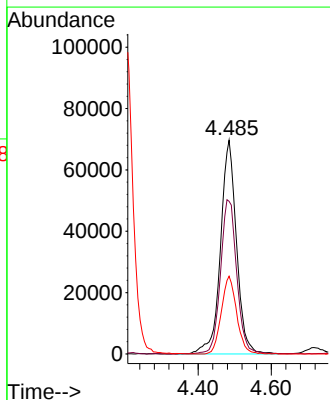
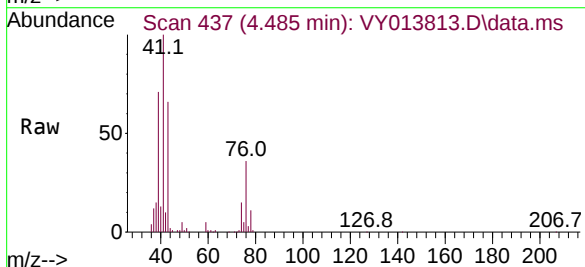
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

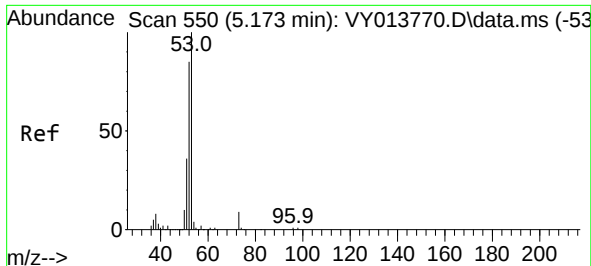
Tgt Ion: 56 Resp: 102553
Ion Ratio Lower Upper
56 100
55 73.1 57.5 86.3



#14
Allyl chloride
Concen: 47.704 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 41 Resp: 212438
Ion Ratio Lower Upper
41 100
39 72.8 55.8 83.6
76 34.7 26.2 39.2

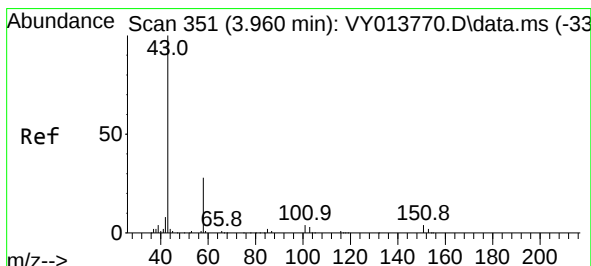
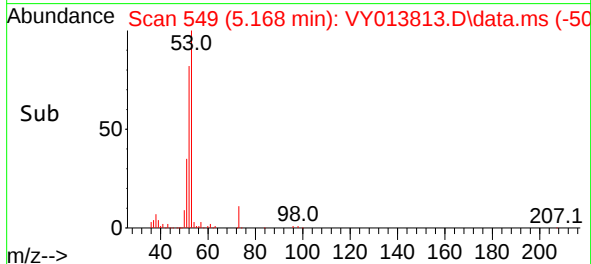
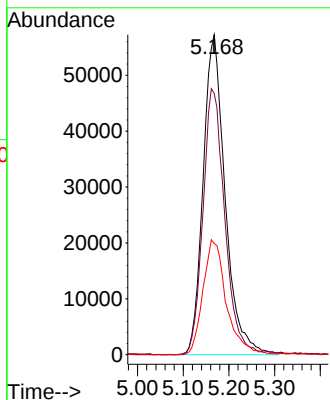
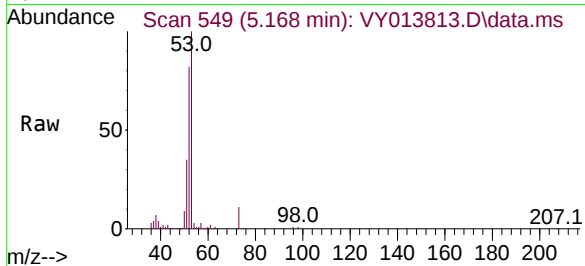




#15
Acrylonitrile
Concen: 229.192 ug/l
RT: 5.168 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

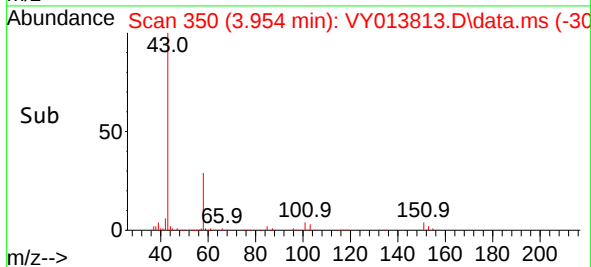
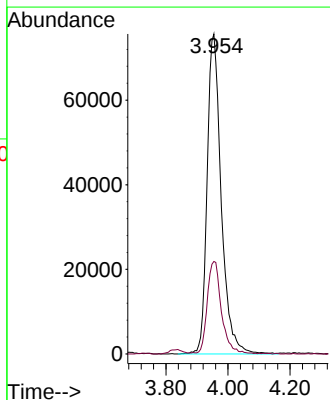
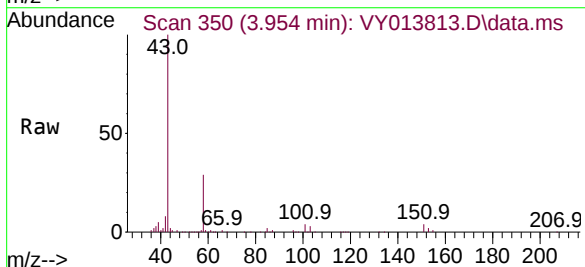
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

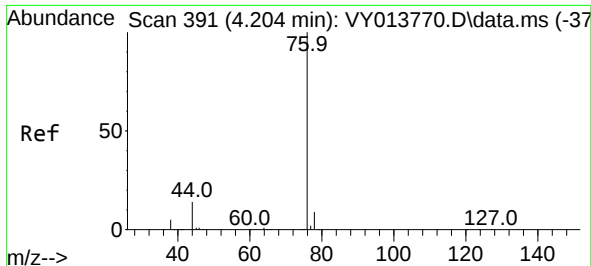
Tgt Ion: 53 Resp: 191658
Ion Ratio Lower Upper
53 100
52 82.3 66.5 99.7
51 38.1 30.1 45.1



#16
Acetone
Concen: 252.920 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 43 Resp: 238794
Ion Ratio Lower Upper
43 100
58 28.8 23.7 35.5





#17

Carbon Disulfide

Concen: 47.246 ug/l

RT: 4.198 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

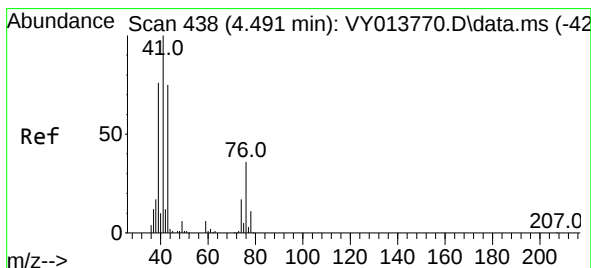
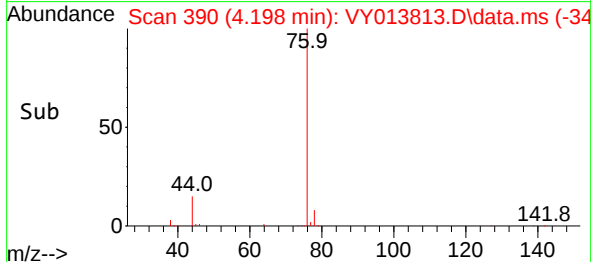
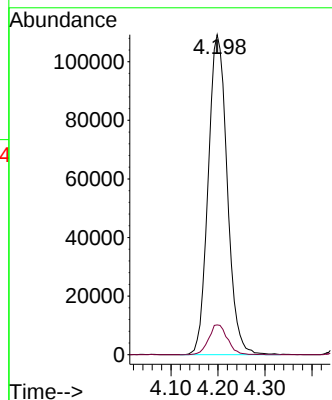
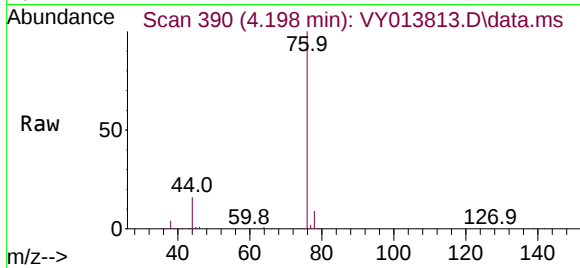
VSTDCCC050

Tgt Ion: 76 Resp: 306913

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



#18

Methyl Acetate

Concen: 43.727 ug/l

RT: 4.485 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY013813.D

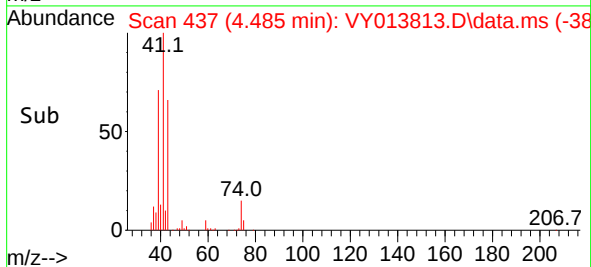
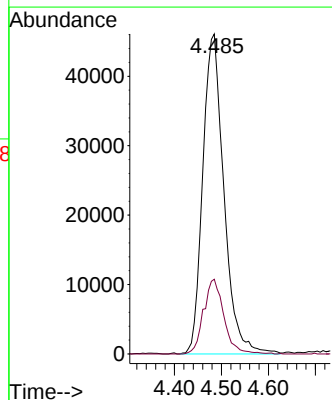
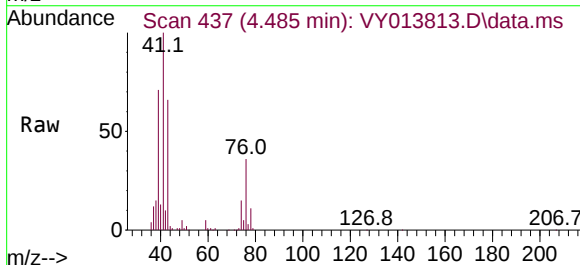
Acq: 19 May 2023 11:31

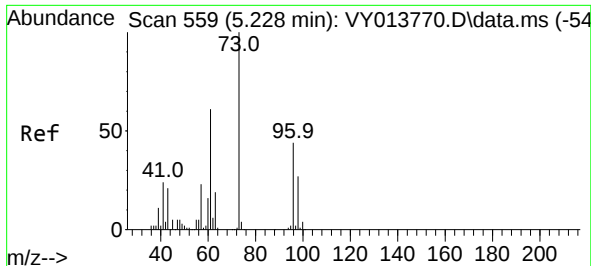
Tgt Ion: 43 Resp: 143932

Ion Ratio Lower Upper

43 100

74 22.5 16.6 25.0

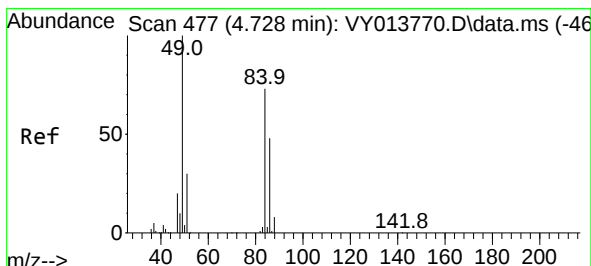
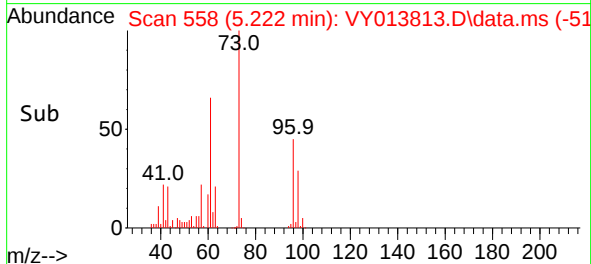
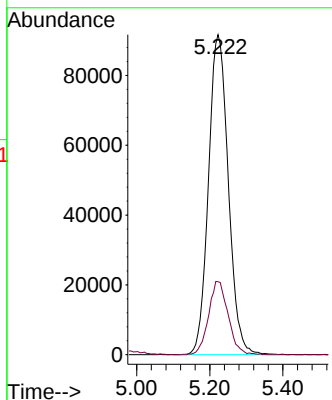
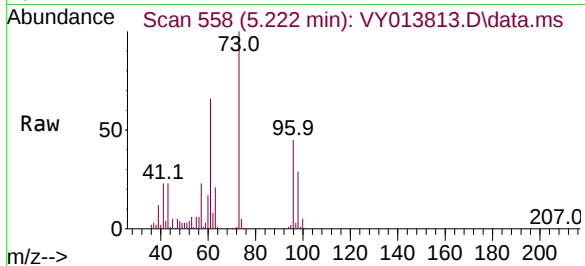




#19
Methyl tert-butyl Ether
Concen: 50.310 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

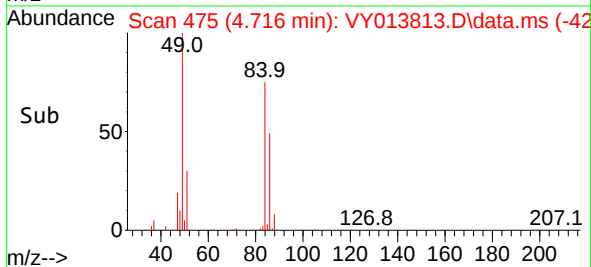
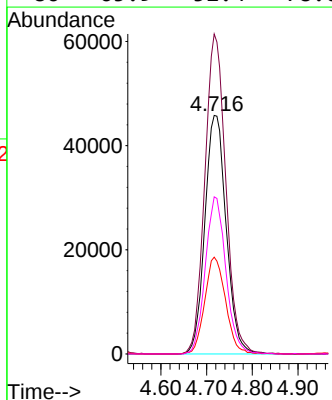
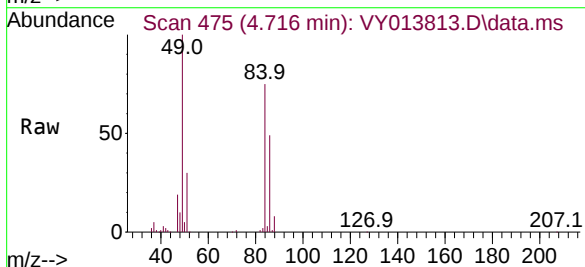
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

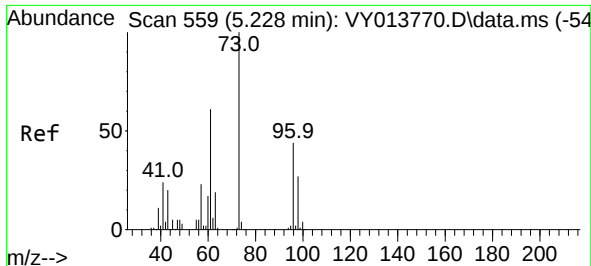
Tgt Ion: 73 Resp: 345060
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8



#20
Methylene Chloride
Concen: 52.521 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 84 Resp: 148614
Ion Ratio Lower Upper
84 100
49 134.1 109.4 164.0
51 40.6 32.8 49.2
86 65.9 52.4 78.6

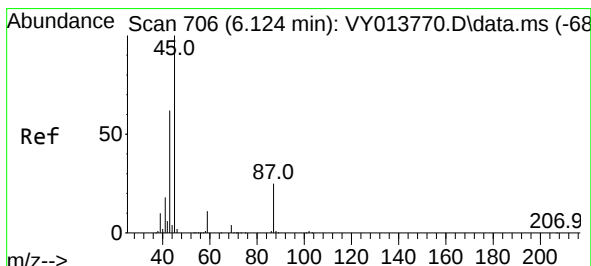
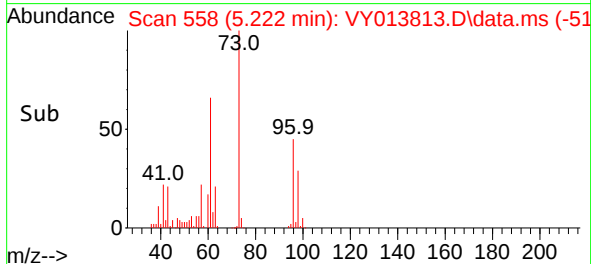
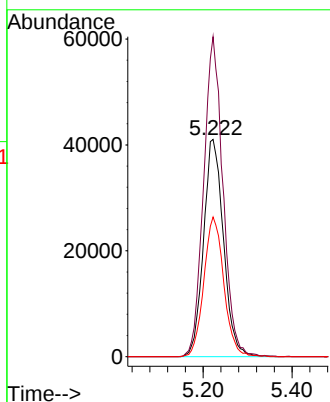
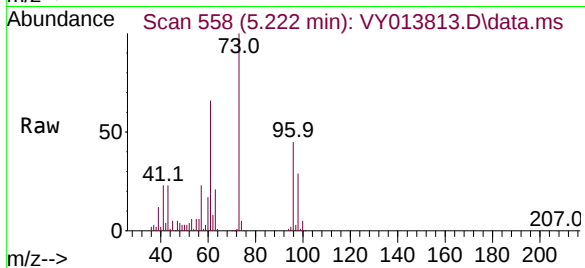




#21
trans-1,2-Dichloroethene
Concen: 50.370 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

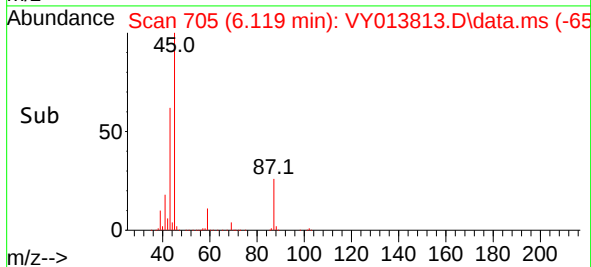
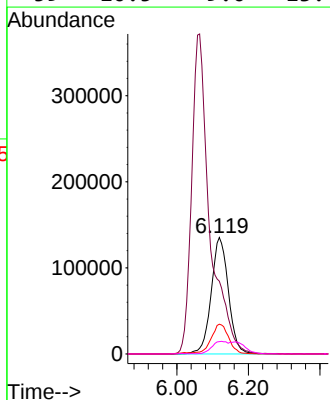
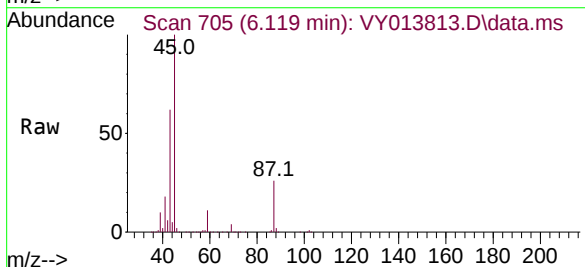
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

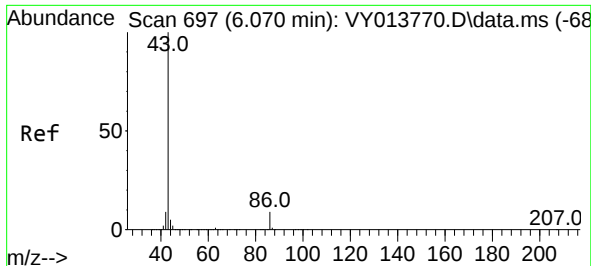
Tgt Ion: 96 Resp: 128217
Ion Ratio Lower Upper
96 100
61 147.3 110.8 166.2
98 64.3 48.6 72.8



#22
Diisopropyl ether
Concen: 47.694 ug/l
RT: 6.119 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 45 Resp: 451780
Ion Ratio Lower Upper
45 100
43 62.1 49.7 74.5
87 25.6 19.9 29.9
59 10.5 9.0 13.4

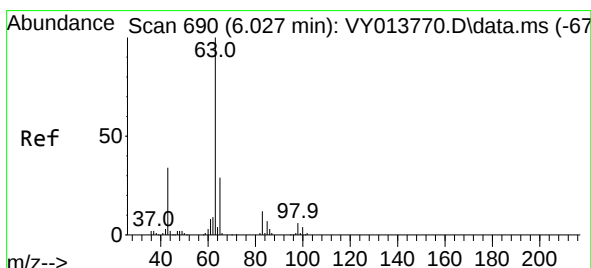
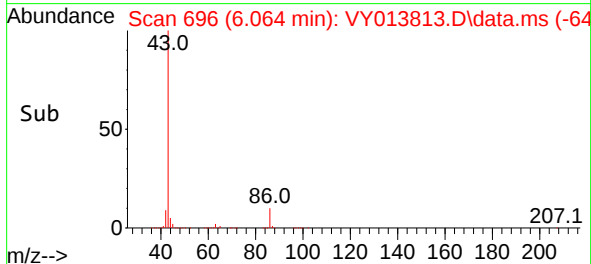
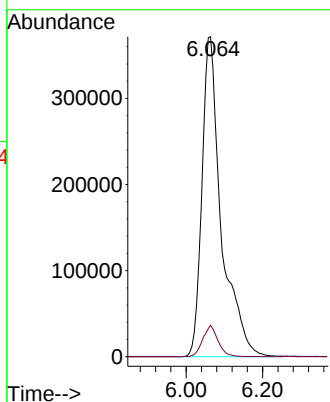
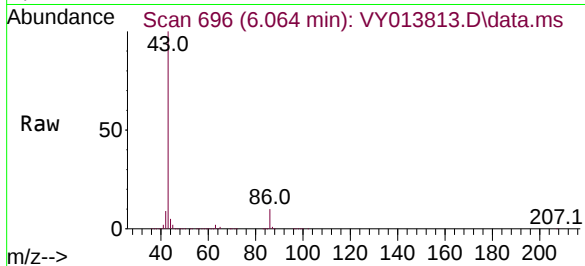




#23
 Vinyl Acetate
 Concen: 237.828 ug/l
 RT: 6.064 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY013813.D
 Acq: 19 May 2023 11:31

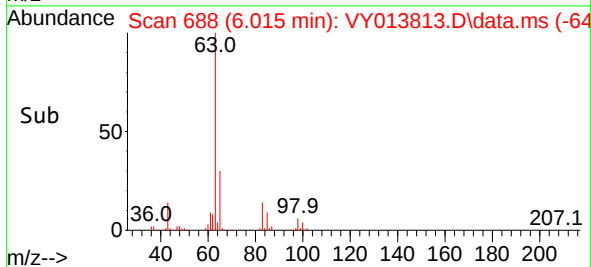
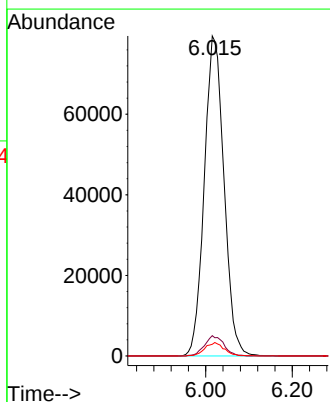
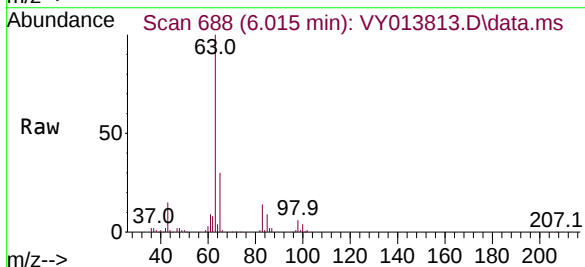
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

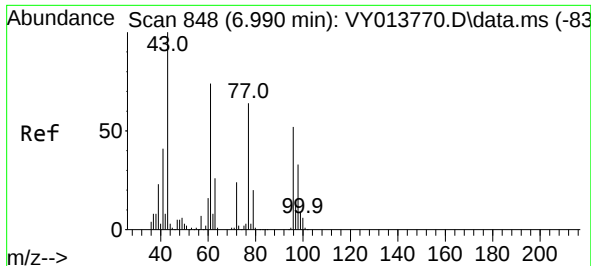
Tgt Ion: 43 Resp: 1303641
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 48.459 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.012 min
 Lab File: VY013813.D
 Acq: 19 May 2023 11:31

Tgt Ion: 63 Resp: 250935
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 230.274 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

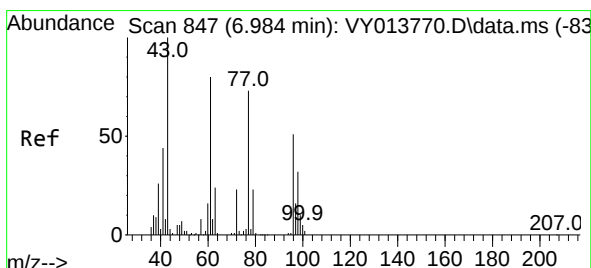
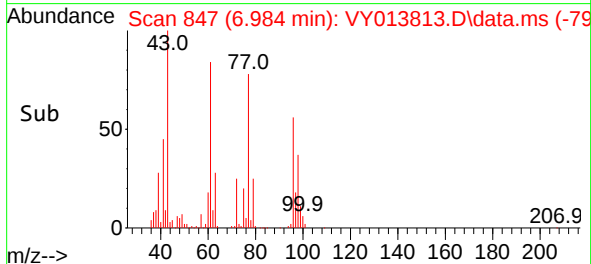
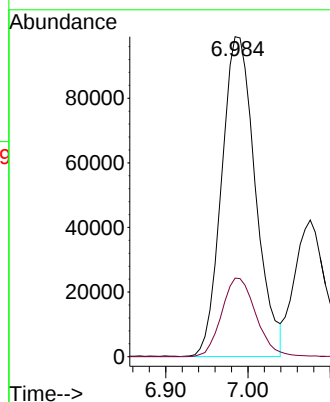
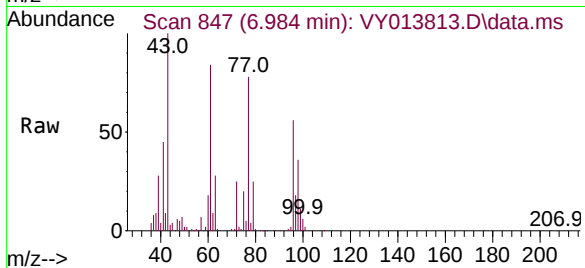
VSTDCCC050

Tgt Ion: 43 Resp: 282625

Ion Ratio Lower Upper

43 100

72 24.6 19.0 28.6



#26

2,2-Dichloropropane

Concen: 53.170 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013813.D

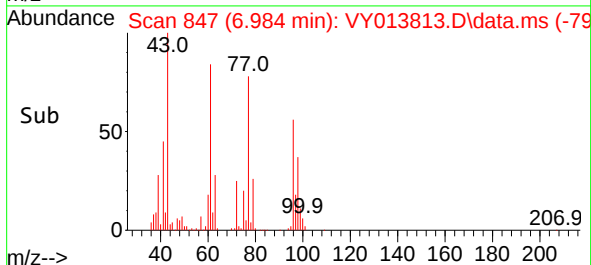
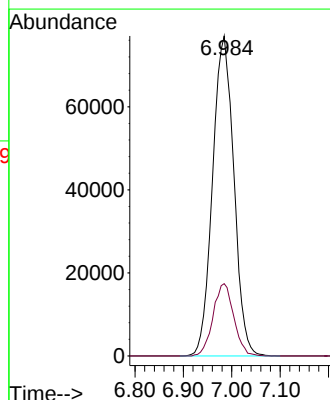
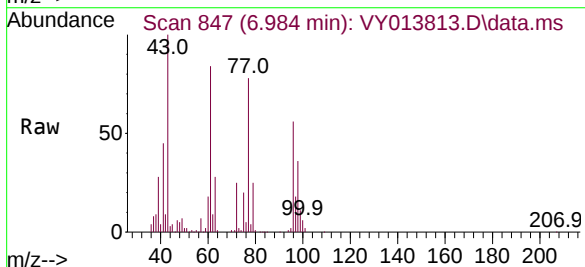
Acq: 19 May 2023 11:31

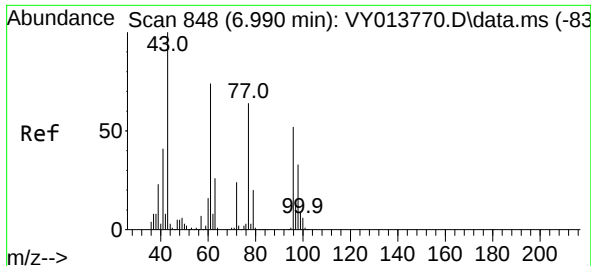
Tgt Ion: 77 Resp: 235179

Ion Ratio Lower Upper

77 100

97 22.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 50.516 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

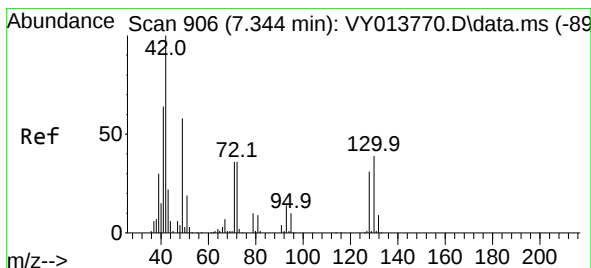
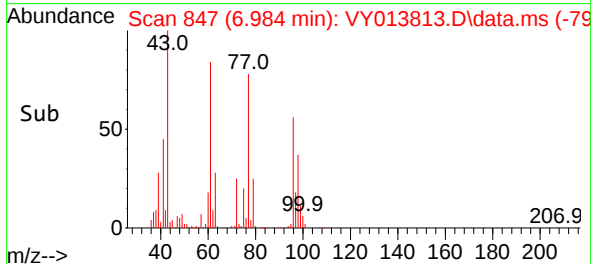
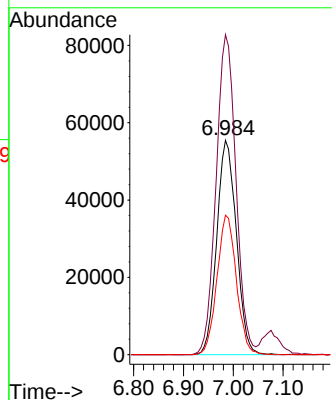
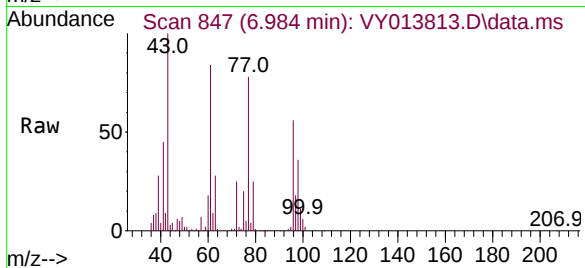
Tgt Ion: 96 Resp: 151520

Ion Ratio Lower Upper

96 100

61 151.4 0.0 300.6

98 64.4 0.0 127.8



#28

Bromochloromethane

Concen: 42.485 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

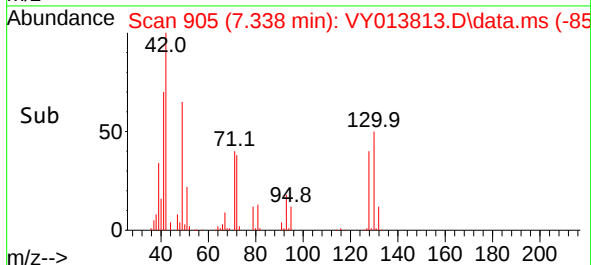
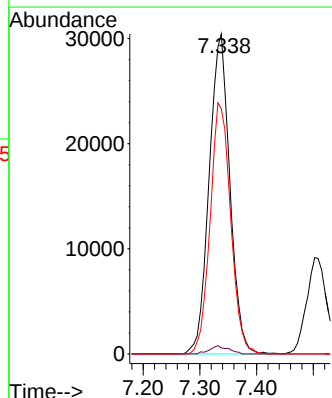
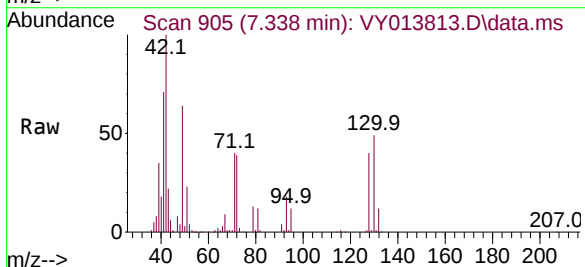
Tgt Ion: 49 Resp: 76975

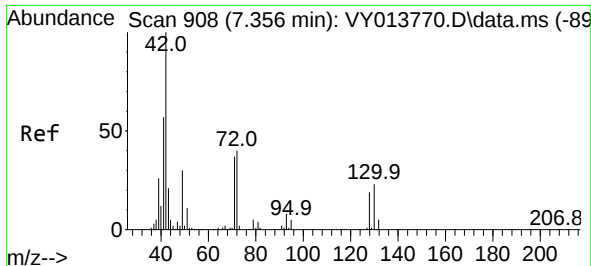
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

130 77.8 54.4 81.6





#29

Tetrahydrofuran

Concen: 220.688 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

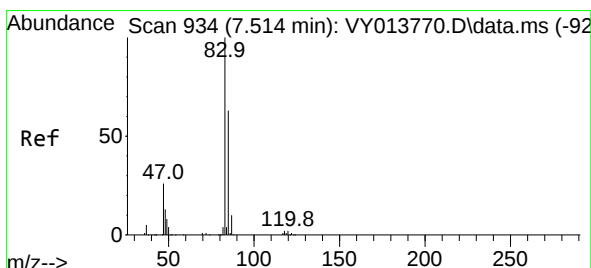
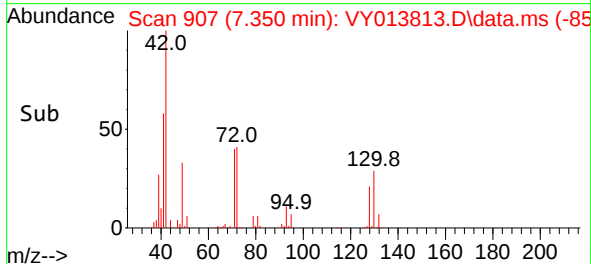
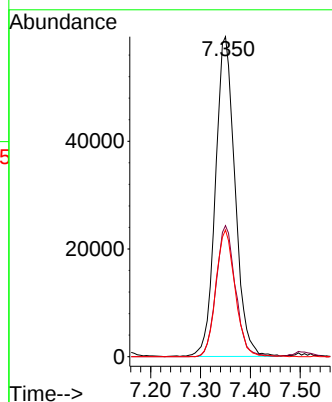
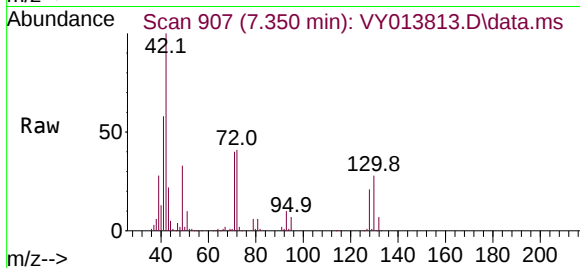
Tgt Ion: 42 Resp: 162068

Ion Ratio Lower Upper

42 100

72 40.4 30.7 46.1

71 39.0 29.0 43.6



#30

Chloroform

Concen: 51.054 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.012 min

Lab File: VY013813.D

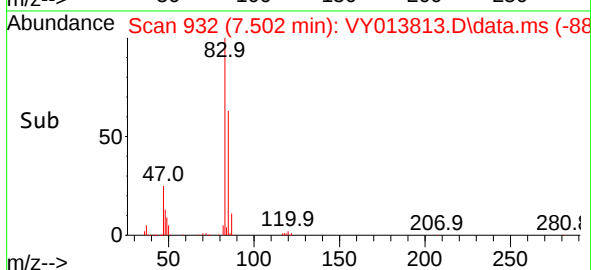
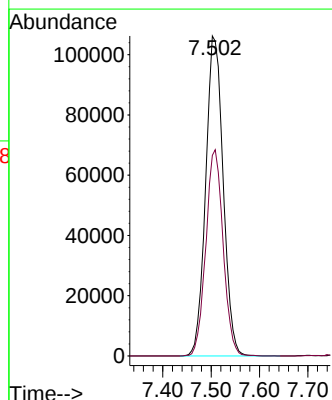
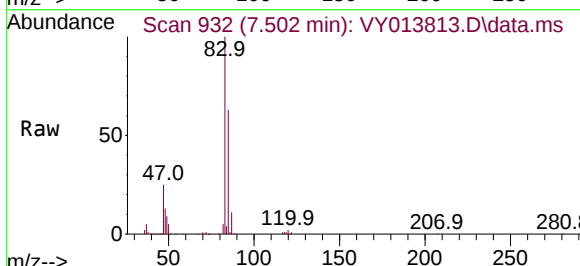
Acq: 19 May 2023 11:31

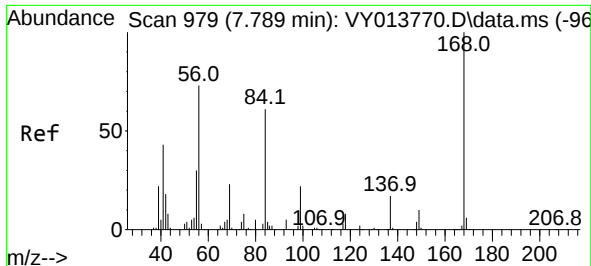
Tgt Ion: 83 Resp: 266409

Ion Ratio Lower Upper

83 100

85 62.7 50.5 75.7

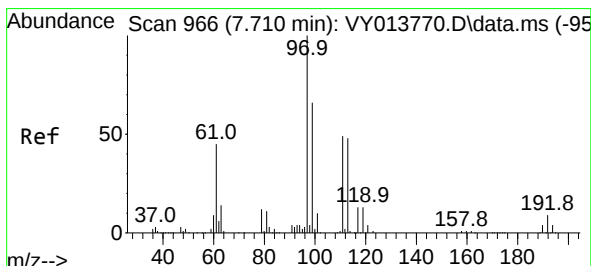
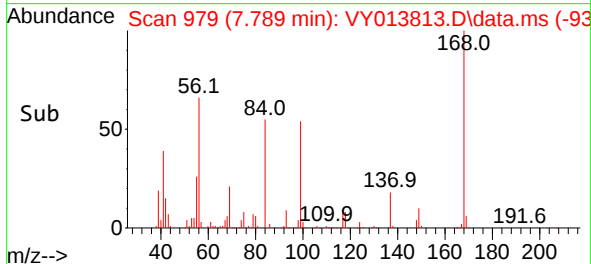
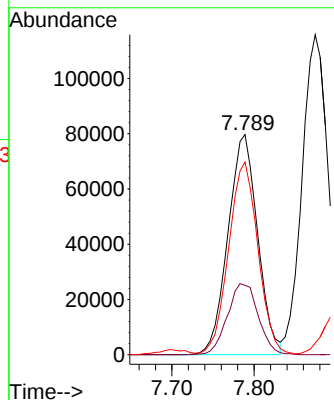
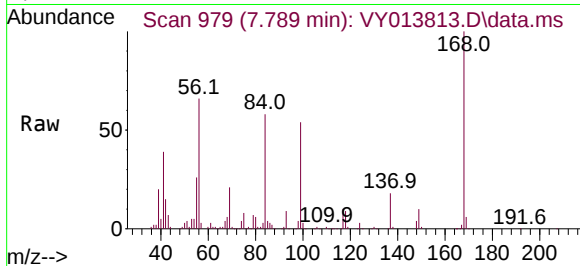




#31
Cyclohexane
Concen: 44.514 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

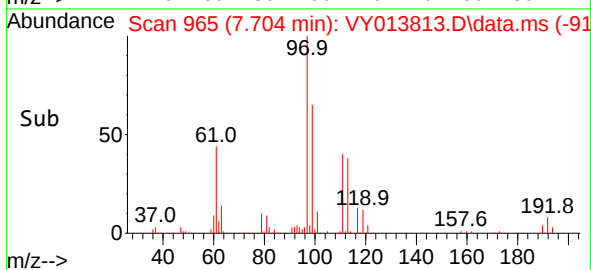
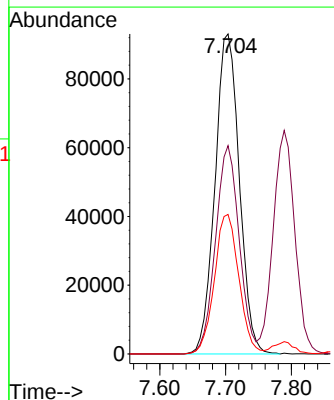
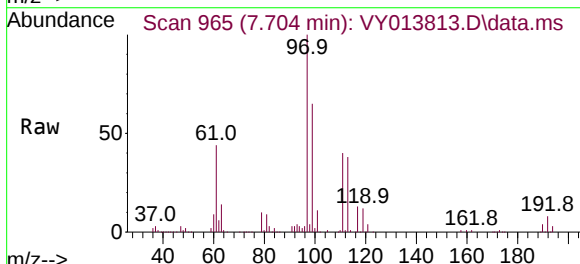
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

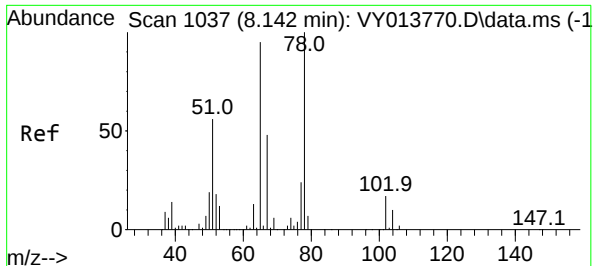
Tgt Ion: 56 Resp: 199724
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.6
84 85.8 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 53.822 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 97 Resp: 239737
Ion Ratio Lower Upper
97 100
99 63.4 51.7 77.5
61 43.9 36.6 54.8





#33

1,2-Dichloroethane-d4

Concen: 48.839 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

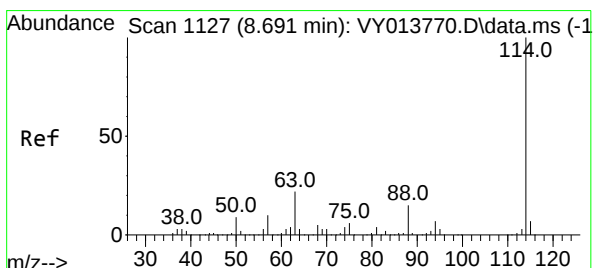
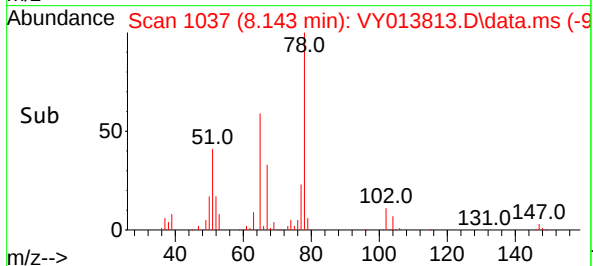
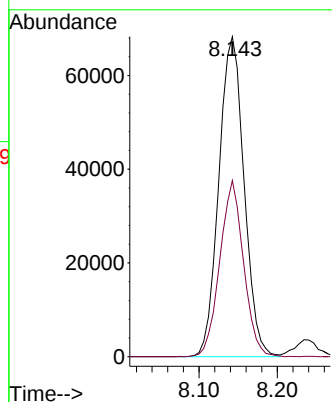
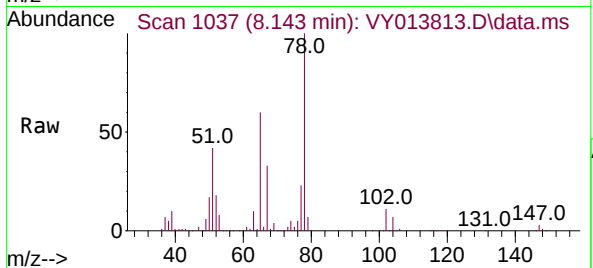
VSTDCCC050

Tgt Ion: 65 Resp: 152837

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

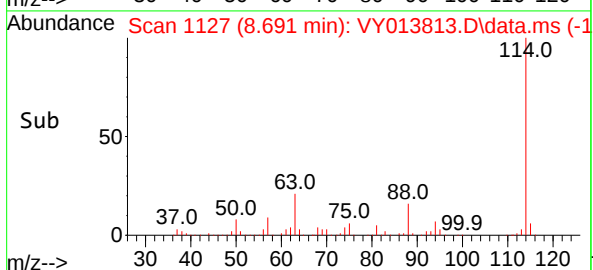
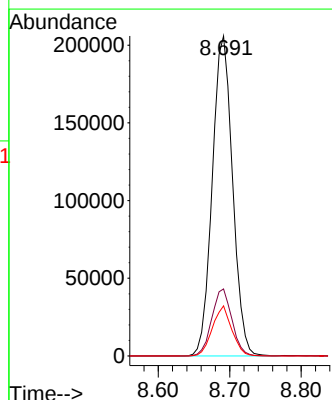
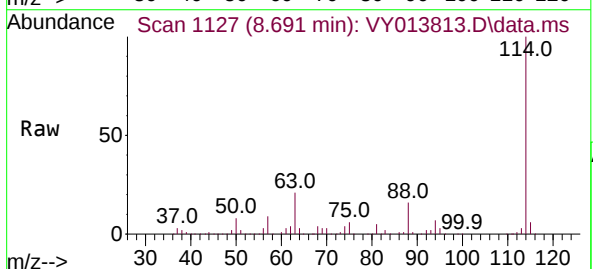
Tgt Ion: 114 Resp: 406341

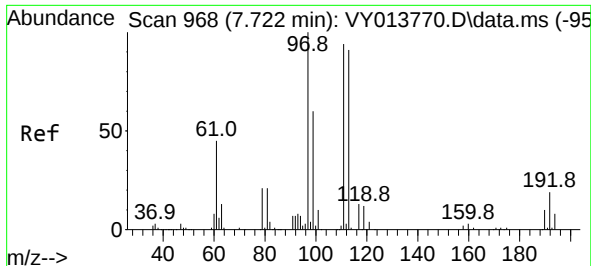
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

88 15.6 0.0 30.8

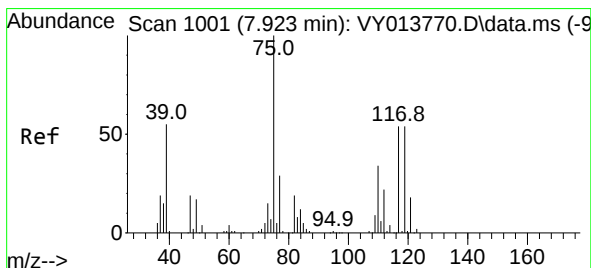
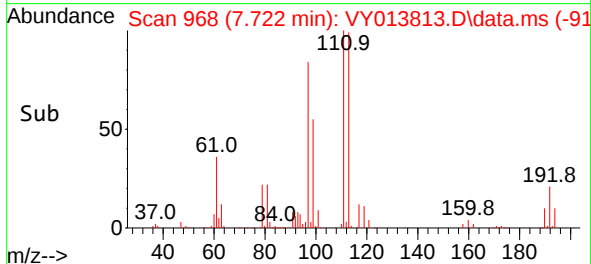
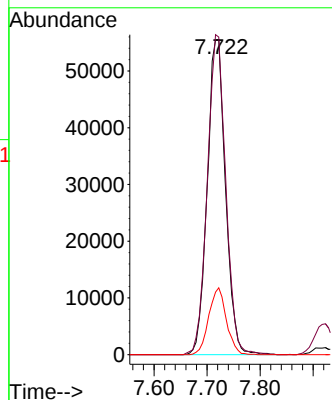
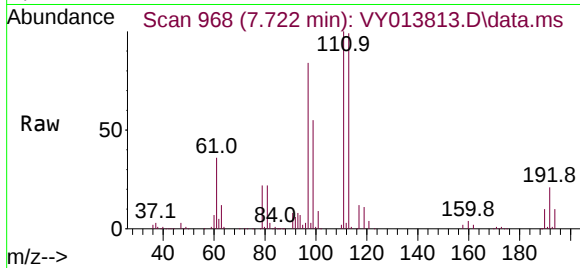




#35
Dibromofluoromethane
Concen: 51.003 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

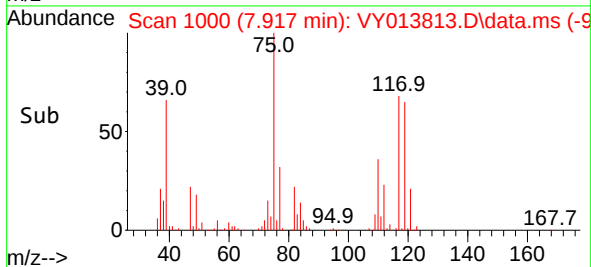
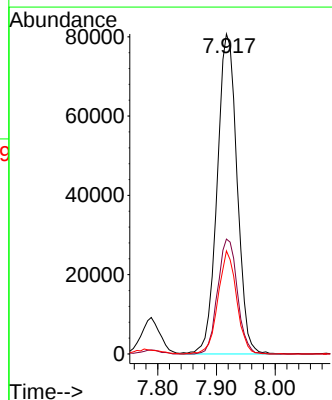
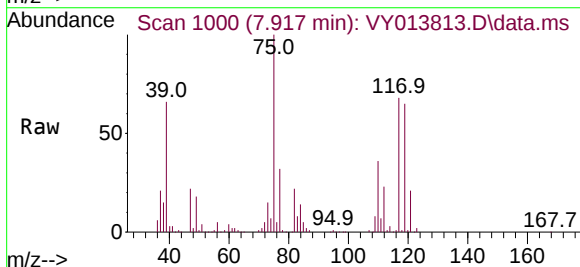
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

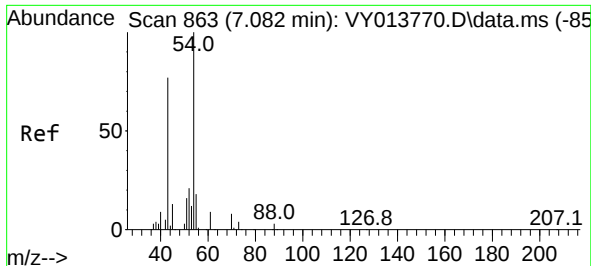
Tgt Ion:113 Resp: 132897
Ion Ratio Lower Upper
113 100
111 102.4 82.3 123.5
192 20.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 52.753 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 75 Resp: 189923
Ion Ratio Lower Upper
75 100
110 35.5 17.3 51.7
77 30.1 24.6 36.8

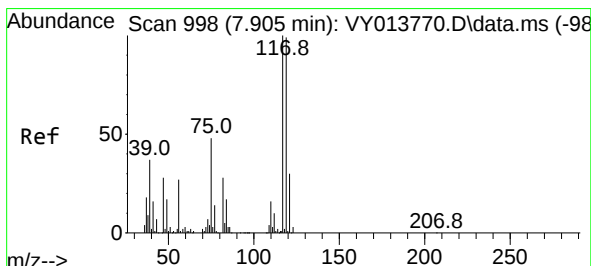
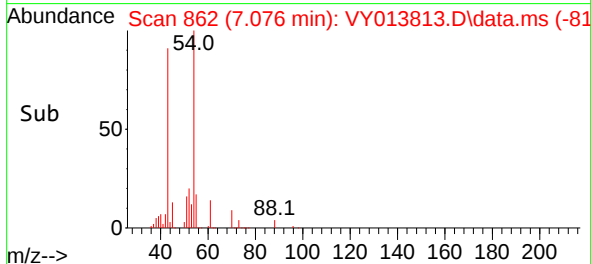
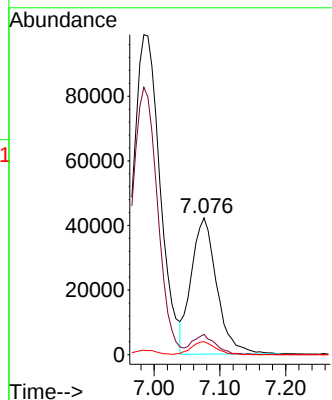
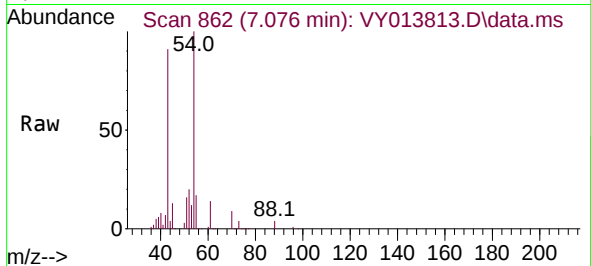




#37
Ethyl Acetate
Concen: 45.797 ug/l
RT: 7.076 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

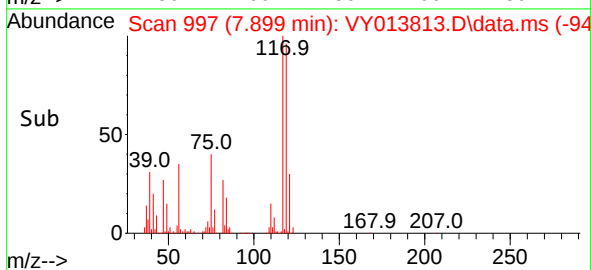
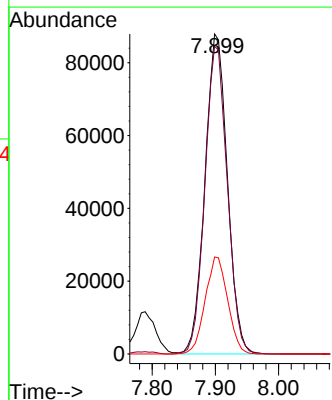
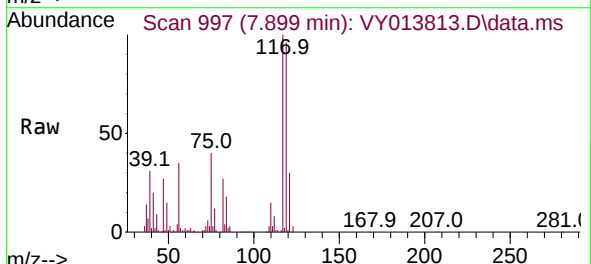
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

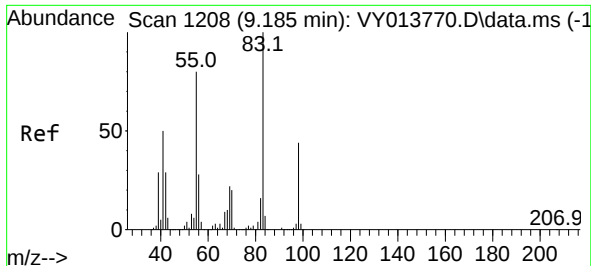
Tgt Ion: 43 Resp: 113417
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 57.123 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 117 Resp: 216959
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.6
121 30.3 24.1 36.1





#39

Methylcyclohexane

Concen: 51.504 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

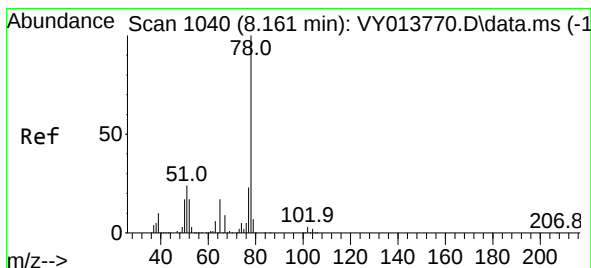
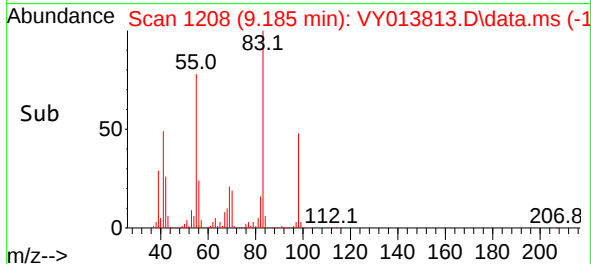
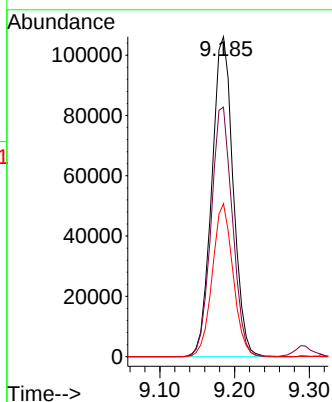
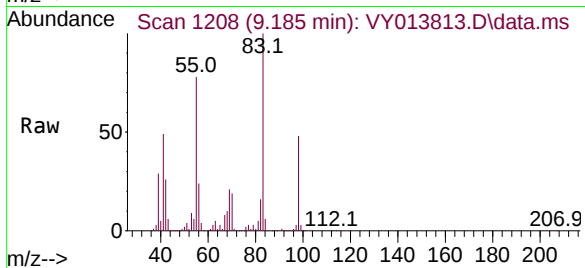
Tgt Ion: 83 Resp: 210757

Ion Ratio Lower Upper

83 100

55 78.0 63.7 95.5

98 47.8 35.0 52.6



#40

Benzene

Concen: 51.727 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY013813.D

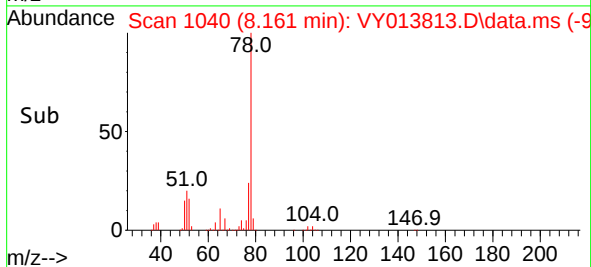
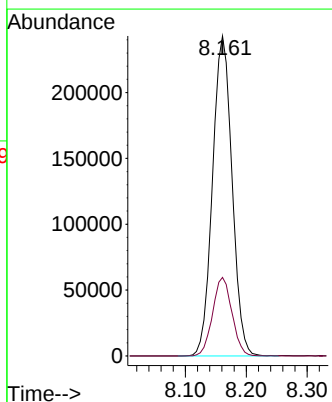
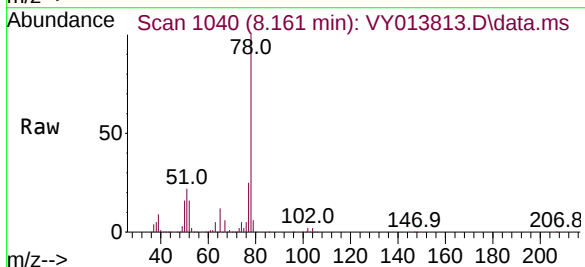
Acq: 19 May 2023 11:31

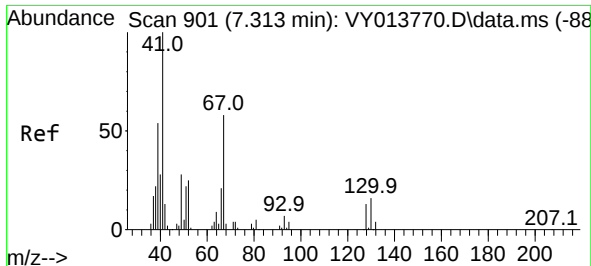
Tgt Ion: 78 Resp: 541192

Ion Ratio Lower Upper

78 100

77 24.6 18.6 27.8

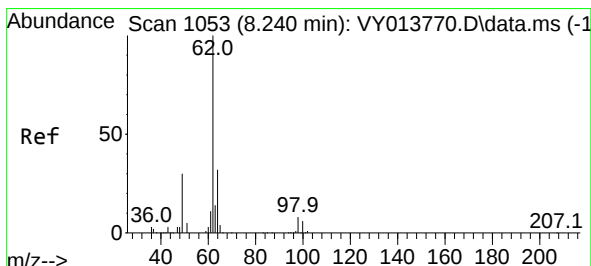
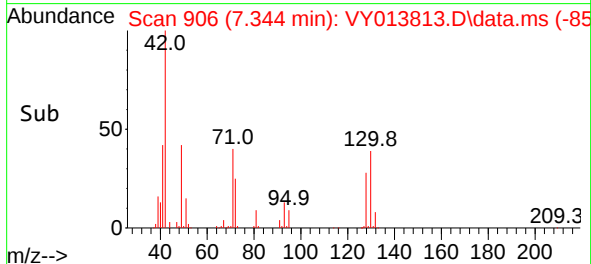
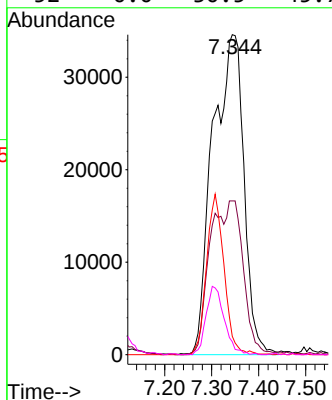
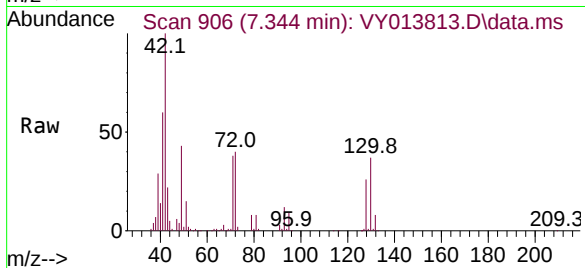




#41
Methacrylonitrile
Concen: 129.066 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.031 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

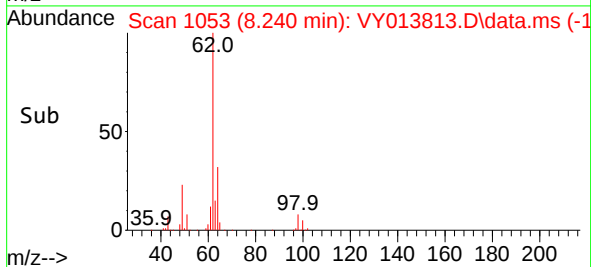
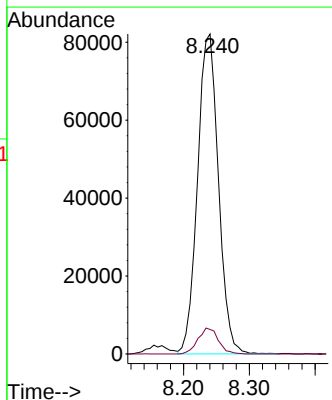
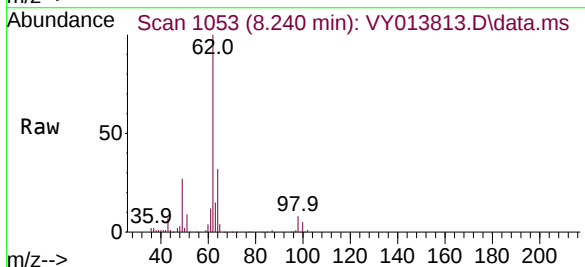
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

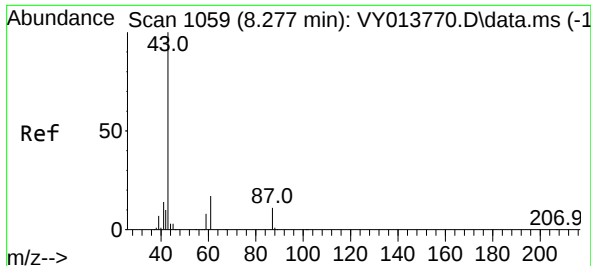
Tgt Ion: 41 Resp: 158838
Ion Ratio Lower Upper
41 100
39 0.0 59.5 89.3#
67 0.0 69.1 103.7#
52 0.0 30.5 45.7#



#42
1,2-Dichloroethane
Concen: 53.703 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 62 Resp: 181539
Ion Ratio Lower Upper
62 100
98 7.9 0.0 16.8

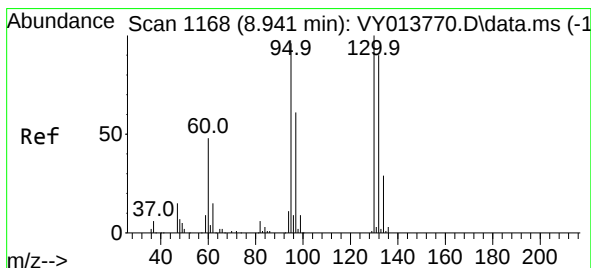
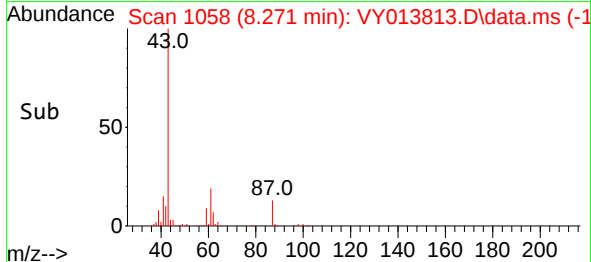
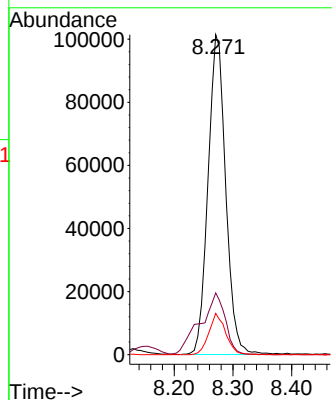
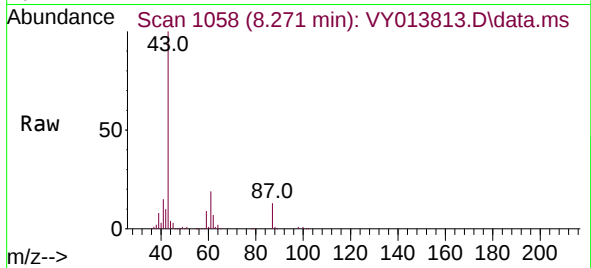




#43
Isopropyl Acetate
Concen: 47.203 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

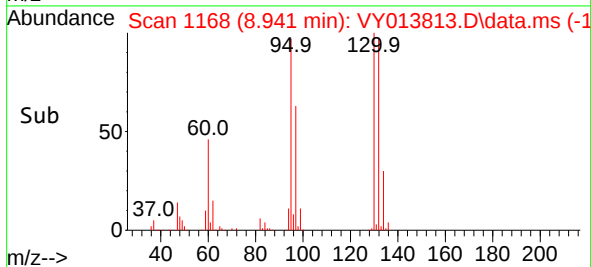
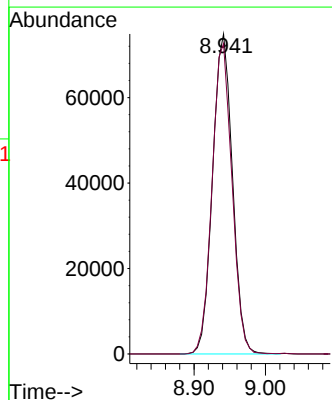
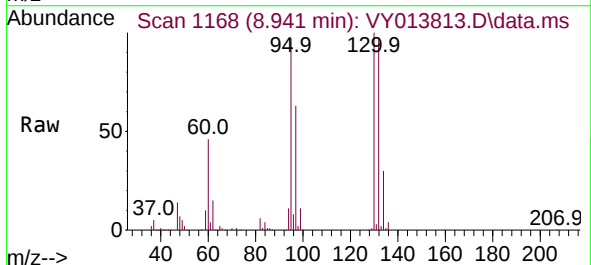
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

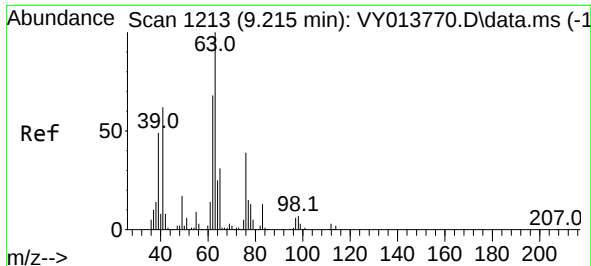
Tgt Ion: 43 Resp: 212178
Ion Ratio Lower Upper
43 100
61 27.5 20.6 31.0
87 12.3 9.0 13.6



#44
Trichloroethene
Concen: 52.808 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion:130 Resp: 144431
Ion Ratio Lower Upper
130 100
95 97.0 0.0 193.0





#45

1,2-Dichloropropane

Concen: 49.523 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

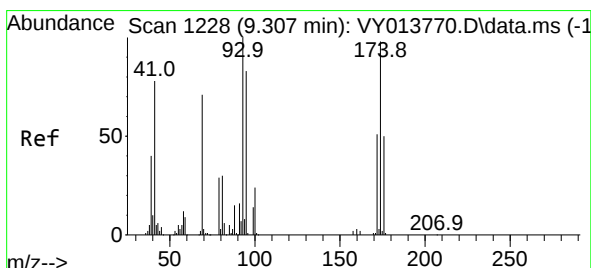
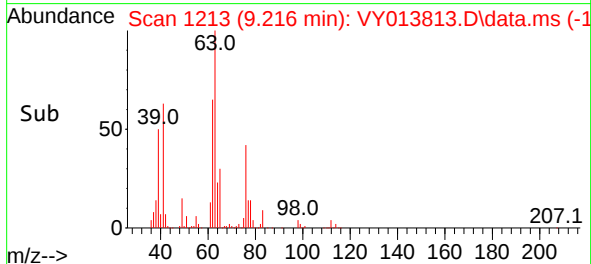
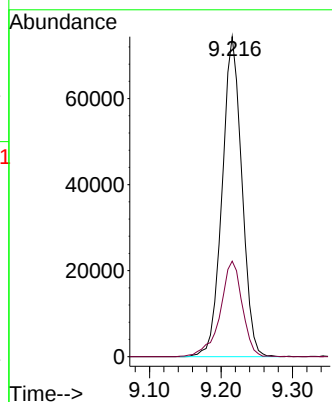
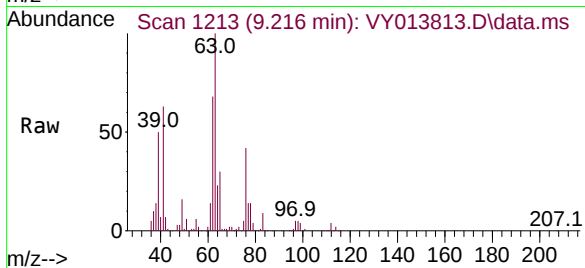
VSTDCCC050

Tgt Ion: 63 Resp: 142378

Ion Ratio Lower Upper

63 100

65 29.8 24.9 37.3



#46

Dibromomethane

Concen: 50.377 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

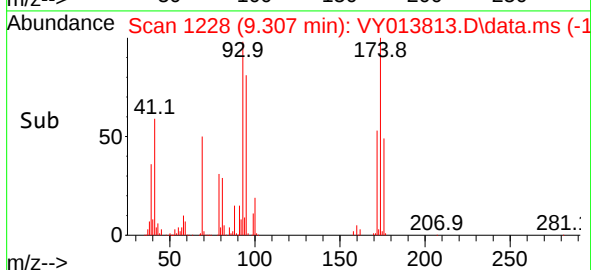
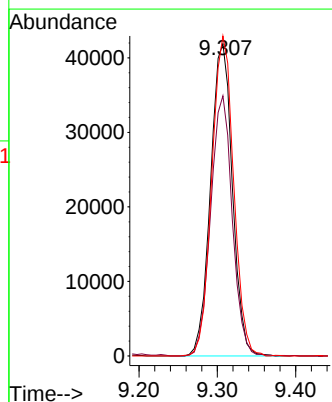
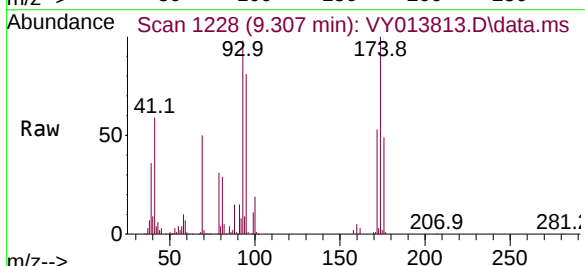
Tgt Ion: 93 Resp: 81115

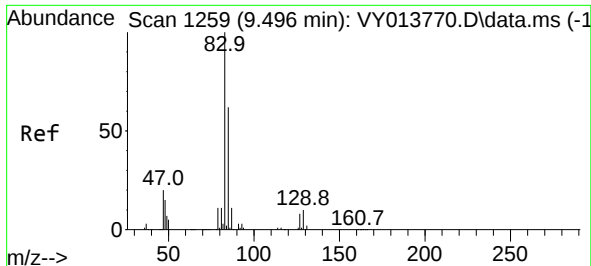
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

174 102.5 79.5 119.3

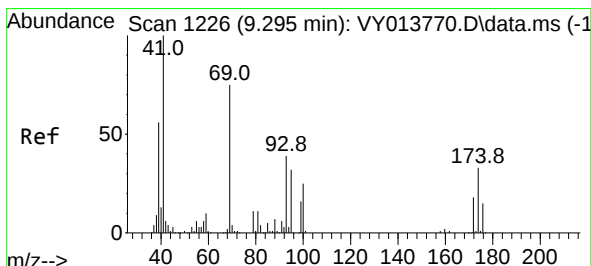
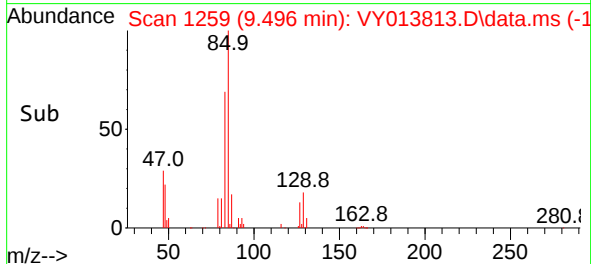
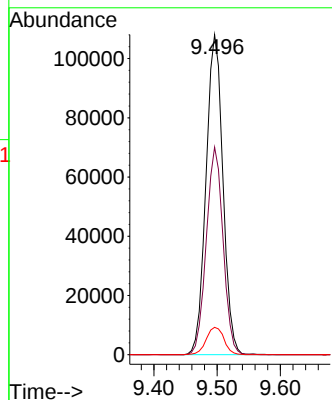
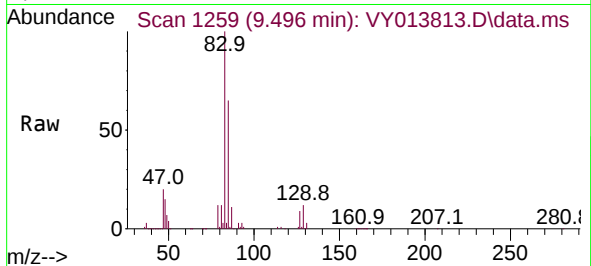




#47
Bromodichloromethane
Concen: 52.689 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

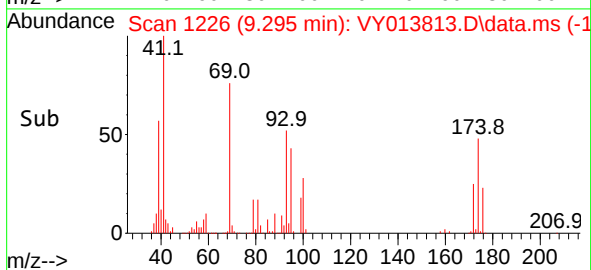
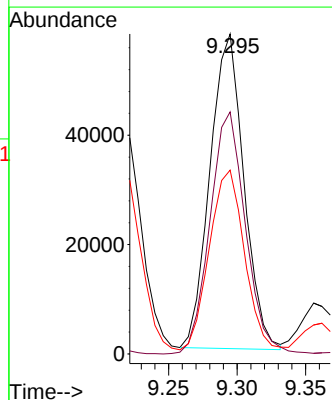
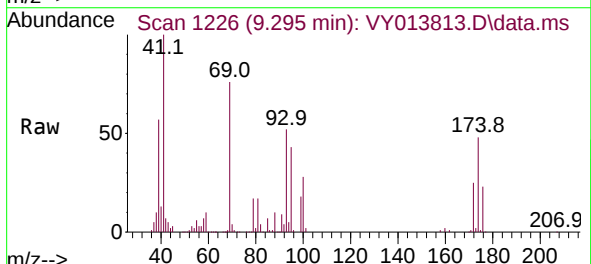
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

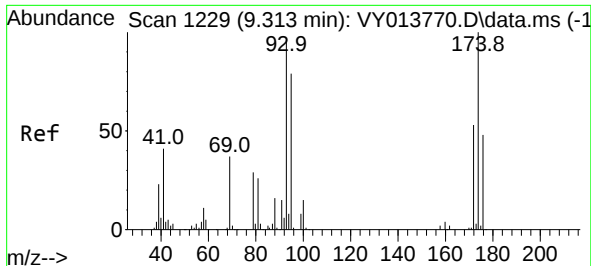
Tgt Ion: 83 Resp: 200914
Ion Ratio Lower Upper
83 100
85 64.8 49.6 74.4
127 8.6 6.3 9.5



#48
Methyl methacrylate
Concen: 47.919 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 41 Resp: 98942
Ion Ratio Lower Upper
41 100
69 80.6 63.0 94.6
39 62.2 46.2 69.2





#49

1,4-Dioxane

Concen: 937.271 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

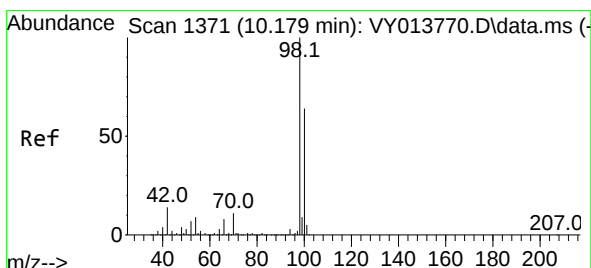
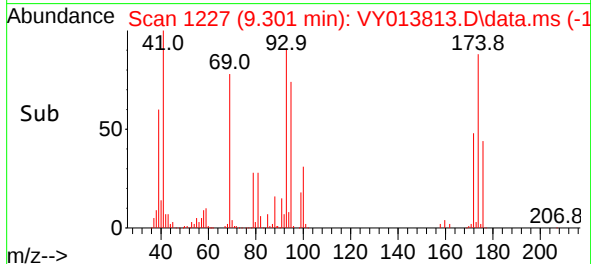
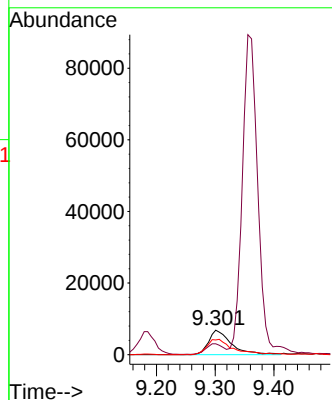
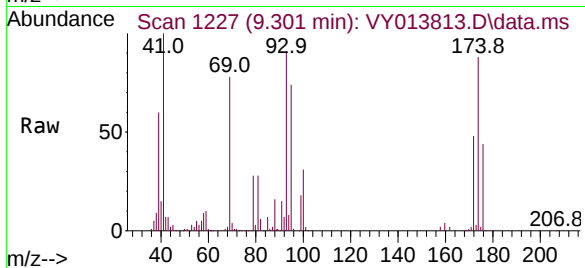
Tgt Ion: 88 Resp: 18522

Ion Ratio Lower Upper

88 100

43 32.6 26.1 39.1

58 69.6 62.2 93.2



#50

Toluene-d8

Concen: 50.697 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013813.D

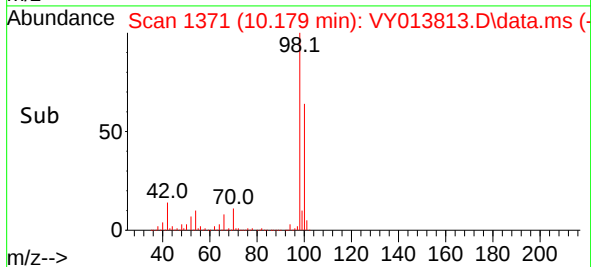
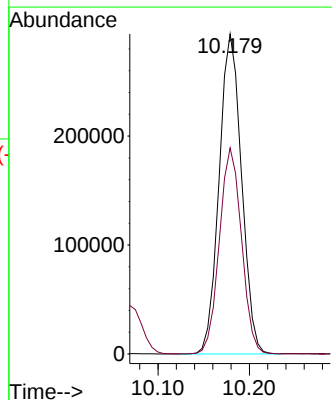
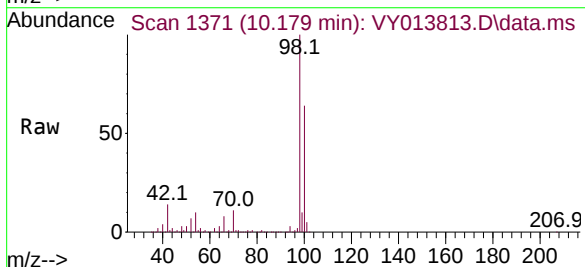
Acq: 19 May 2023 11:31

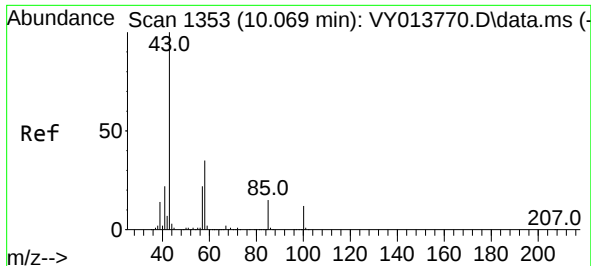
Tgt Ion: 98 Resp: 500814

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6

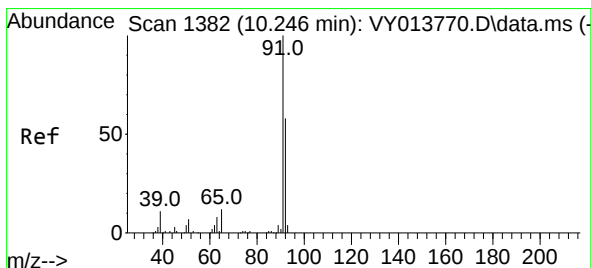
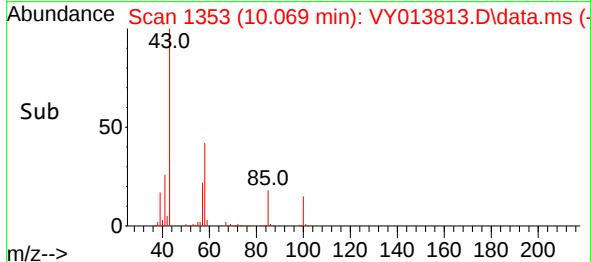
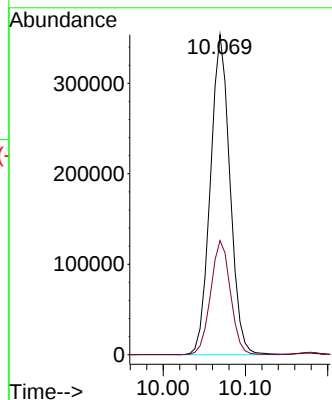
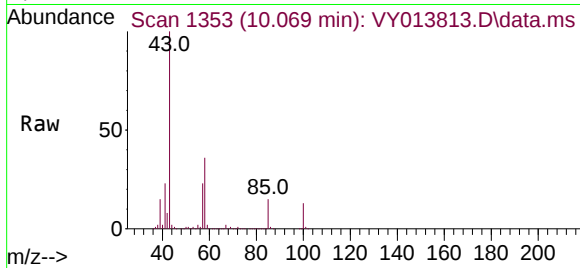




#51
4-Methyl-2-Pentanone
Concen: 233.782 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

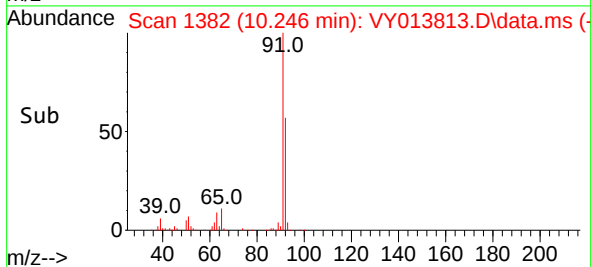
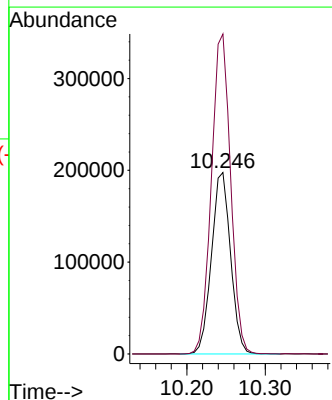
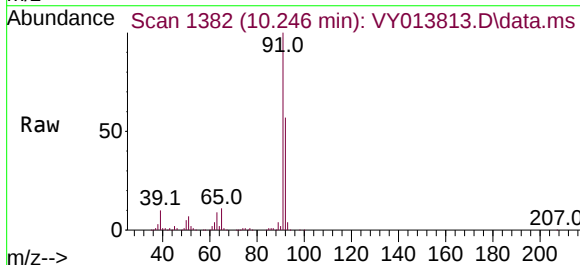
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

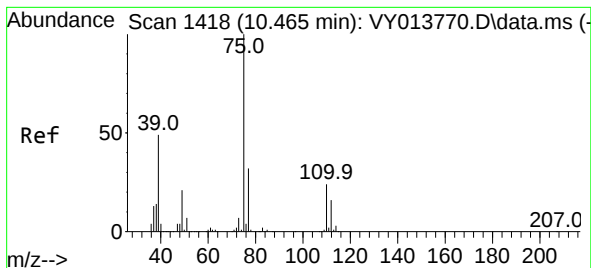
Tgt Ion: 43 Resp: 585181
Ion Ratio Lower Upper
43 100
58 36.0 28.2 42.2



#52
Toluene
Concen: 52.713 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 92 Resp: 334341
Ion Ratio Lower Upper
92 100
91 177.6 141.0 211.4

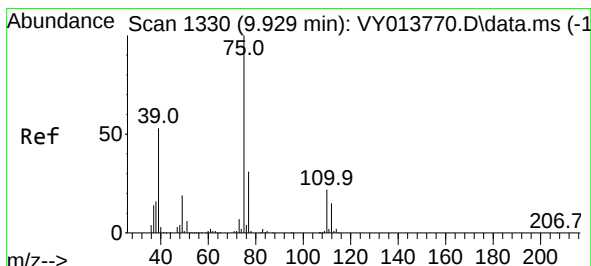
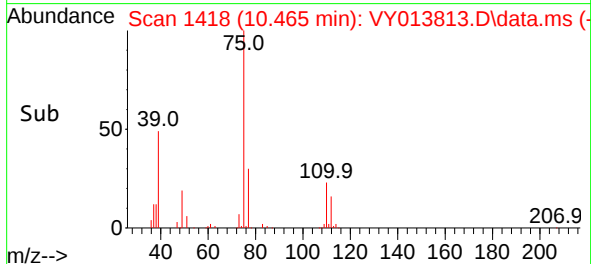
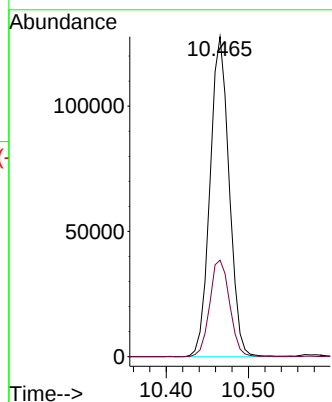
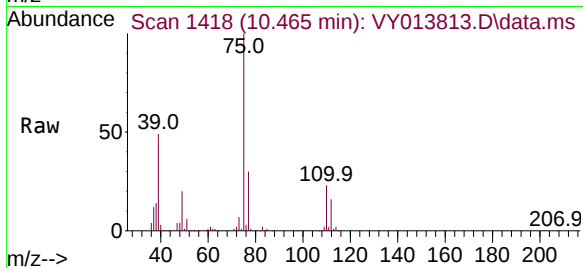




#53
t-1,3-Dichloropropene
Concen: 52.527 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

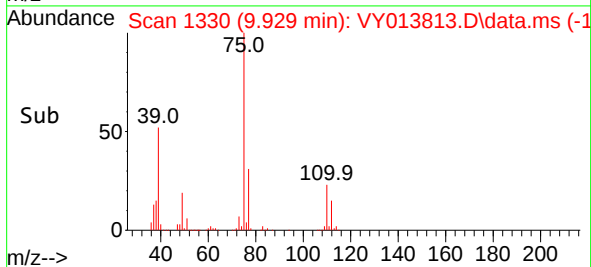
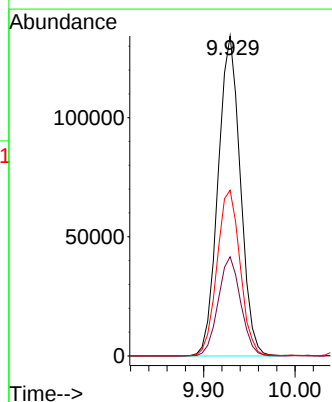
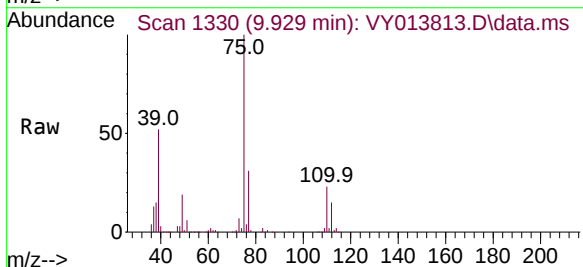
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

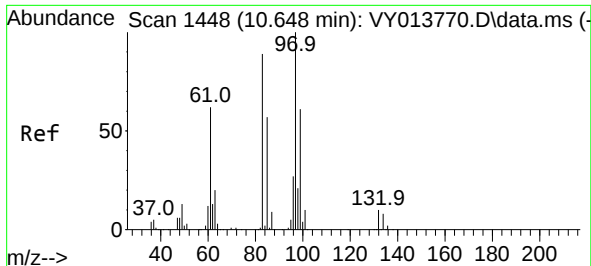
Tgt Ion: 75 Resp: 206515
Ion Ratio Lower Upper
75 100
77 30.2 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 51.869 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 75 Resp: 227531
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 51.7 42.6 63.8



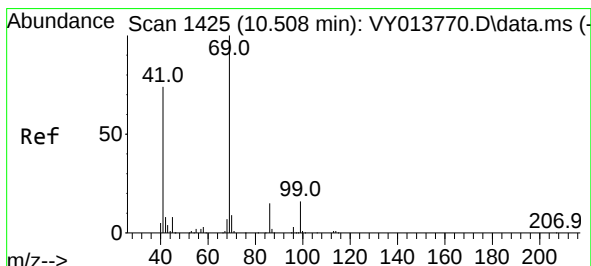
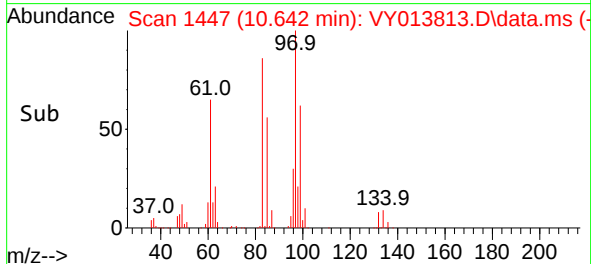
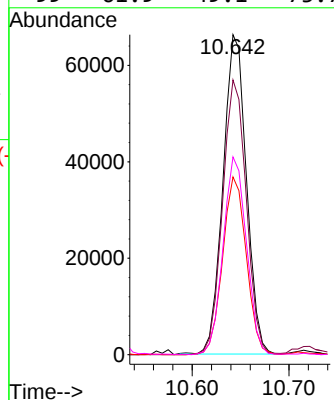
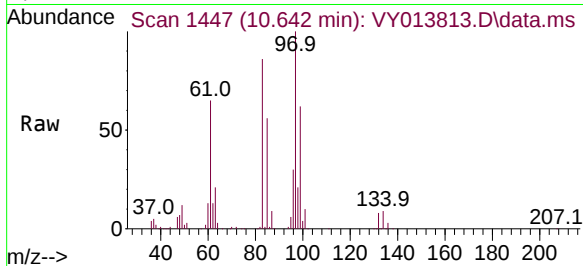


#55
1,1,2-Trichloroethane
Concen: 50.673 ug/l
RT: 10.642 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 110972

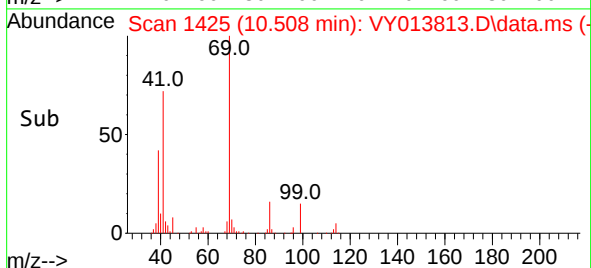
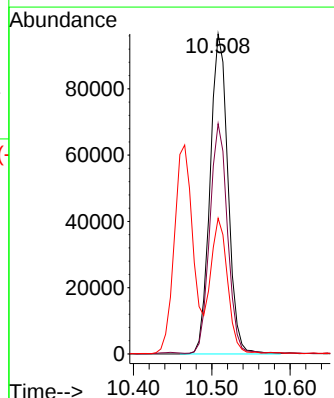
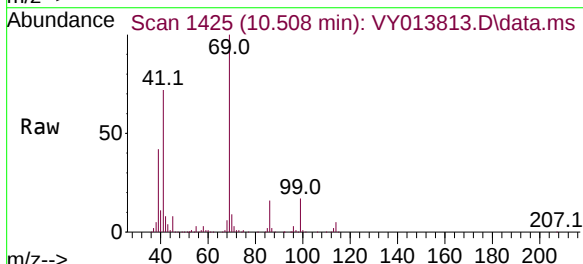
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.1	106.7
85	55.7	45.7	68.5
99	61.9	49.1	73.7

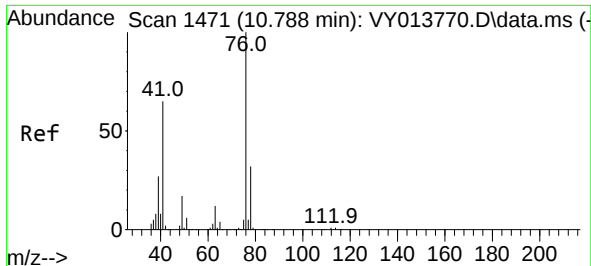


#56
Ethyl methacrylate
Concen: 52.347 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 69 Resp: 152985

Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.3	87.5
39	39.0	31.8	47.8





#57

1,3-Dichloropropane

Concen: 49.957 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

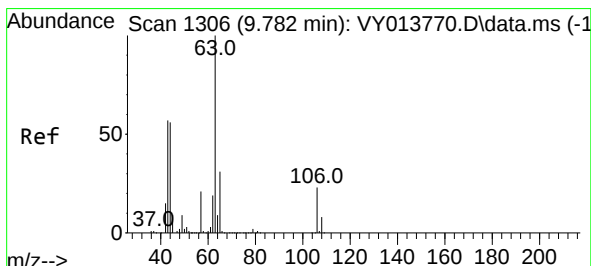
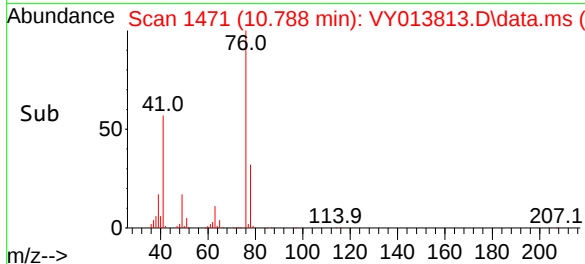
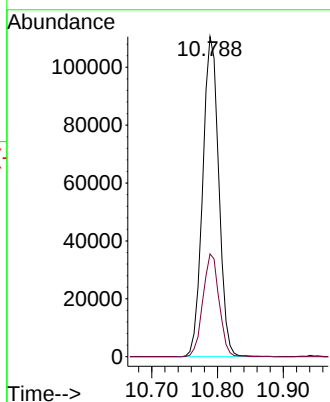
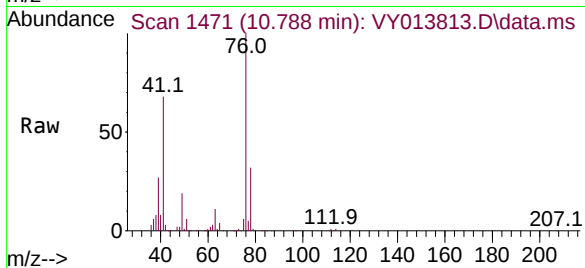
VSTDCCC050

Tgt Ion: 76 Resp: 188217

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 215.994 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013813.D

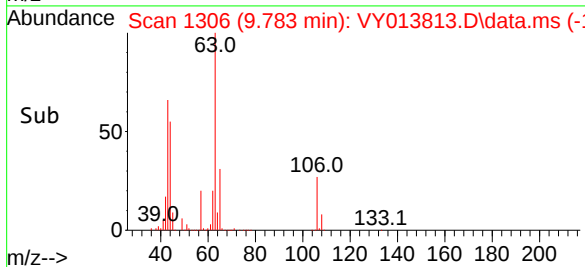
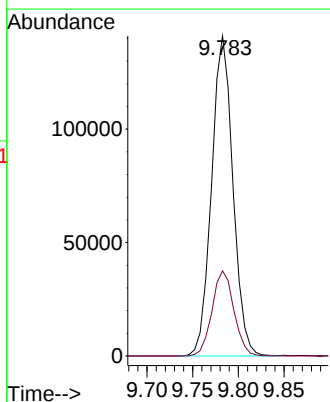
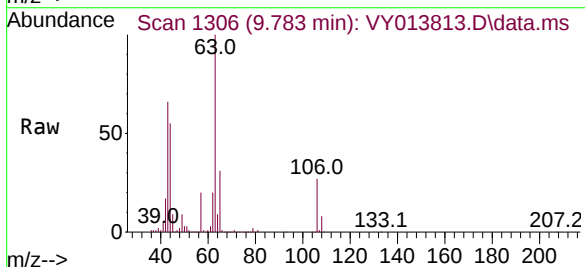
Acq: 19 May 2023 11:31

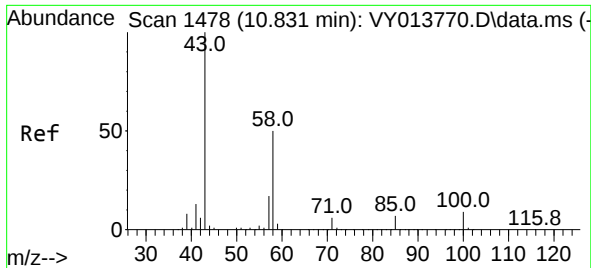
Tgt Ion: 63 Resp: 228699

Ion Ratio Lower Upper

63 100

106 27.2 19.7 29.5

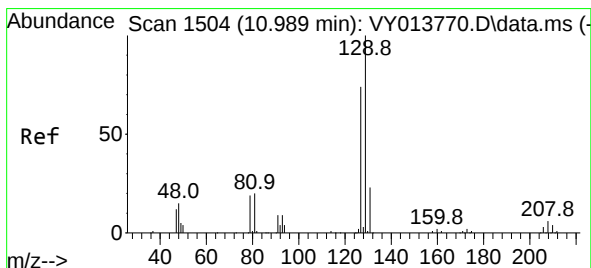
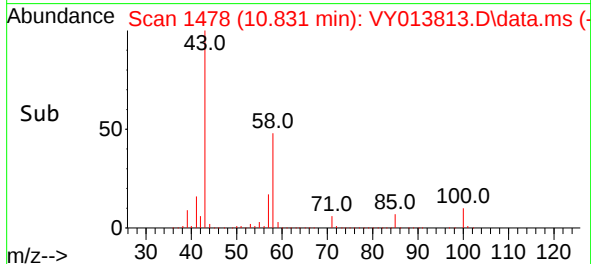
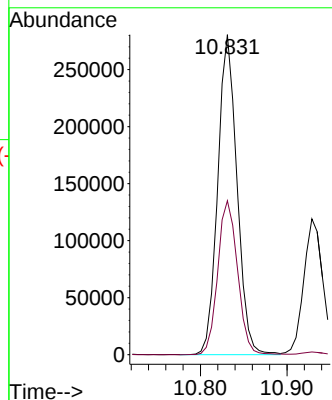
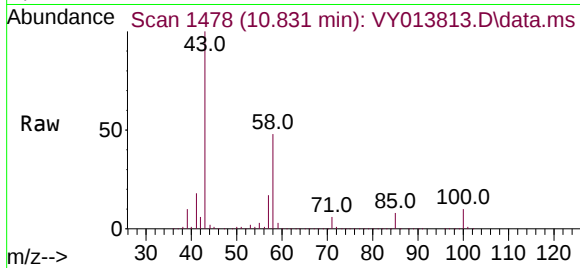




#59
2-Hexanone
Concen: 243.317 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

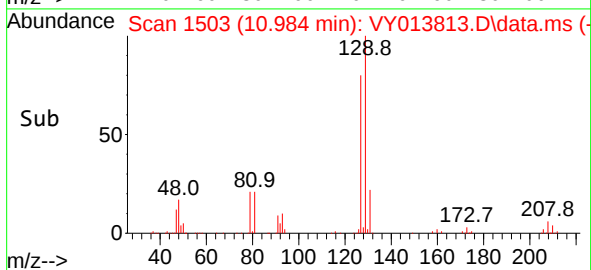
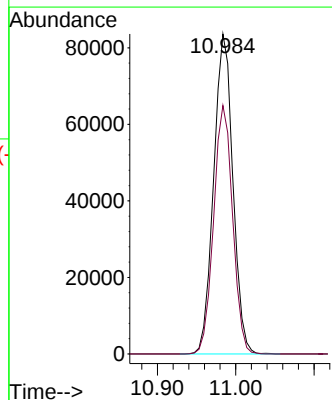
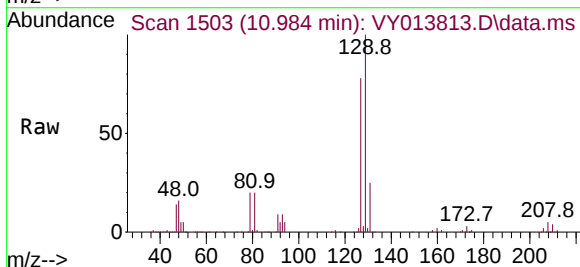
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

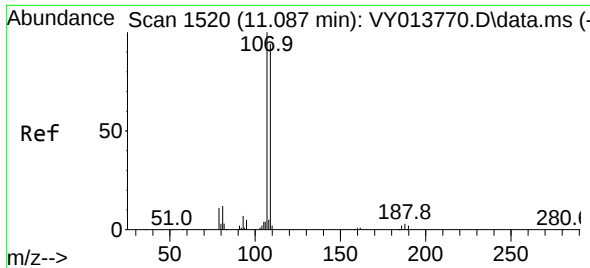
Tgt Ion: 43 Resp: 432923
Ion Ratio Lower Upper
43 100
58 49.5 24.8 74.4



#60
Dibromochloromethane
Concen: 53.677 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. -0.006 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion:129 Resp: 142436
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7

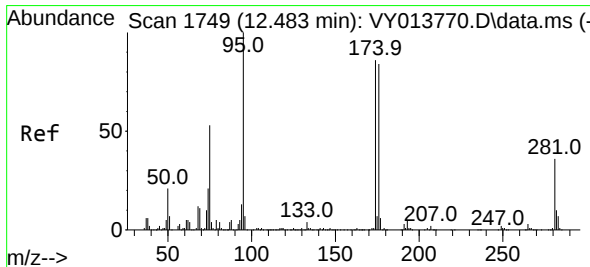
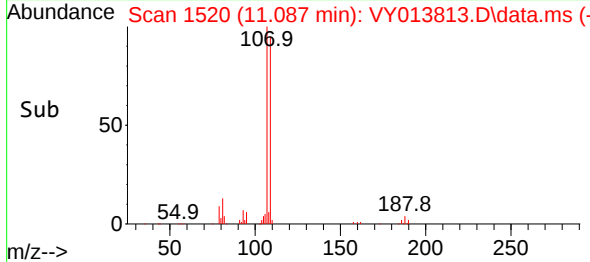
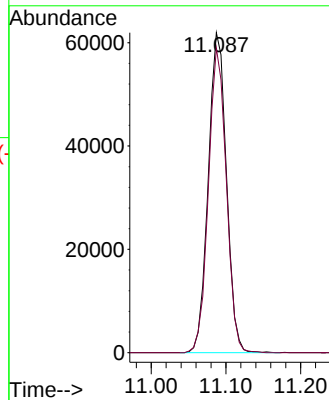
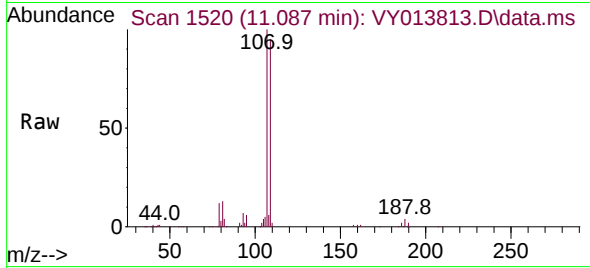




#61
1,2-Dibromoethane
Concen: 50.611 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

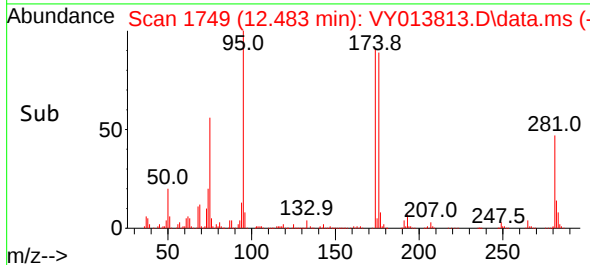
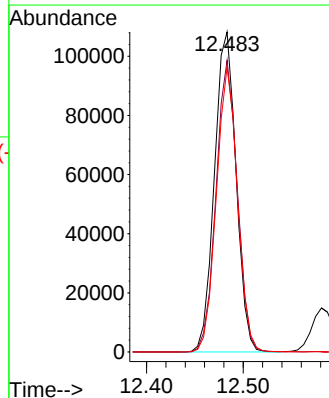
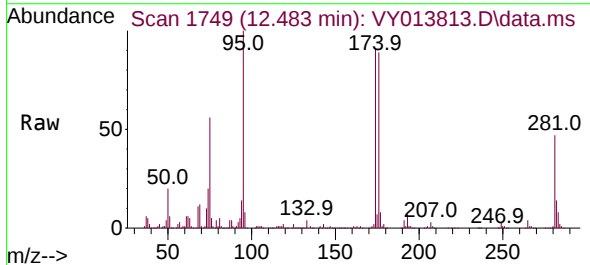
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

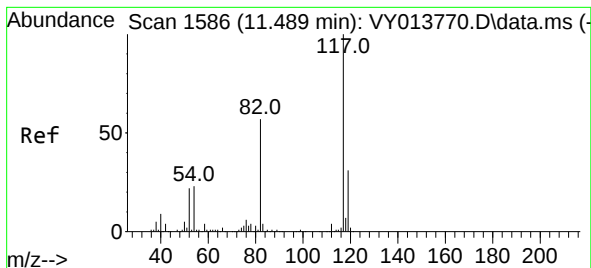
Tgt Ion:107 Resp: 104515
Ion Ratio Lower Upper
107 100
109 93.7 76.2 114.4



#62
4-Bromofluorobenzene
Concen: 51.253 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 95 Resp: 168172
Ion Ratio Lower Upper
95 100
174 89.6 0.0 168.8
176 86.8 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

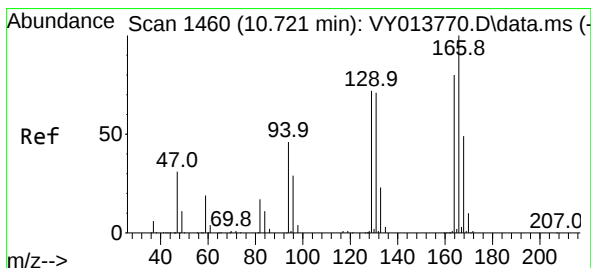
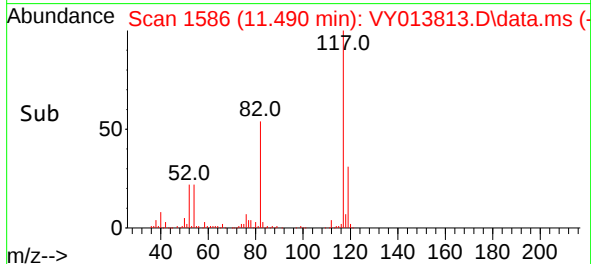
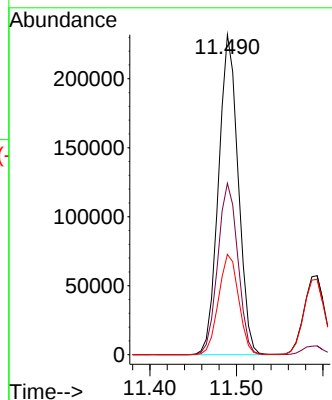
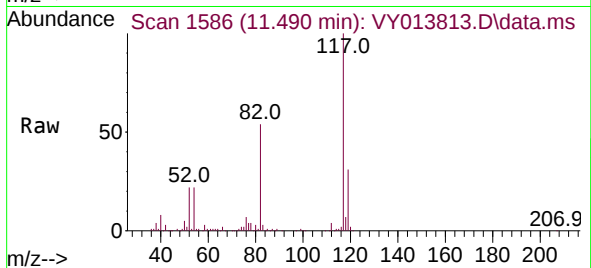
Tgt Ion:117 Resp: 365838

Ion Ratio Lower Upper

117 100

82 53.6 45.5 68.3

119 31.3 24.8 37.2



#64

Tetrachloroethene

Concen: 52.998 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Tgt Ion:164 Resp: 122996

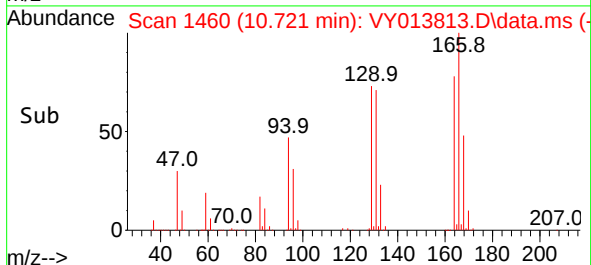
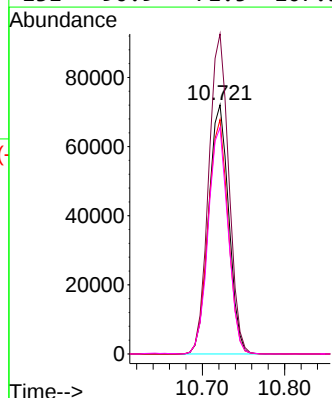
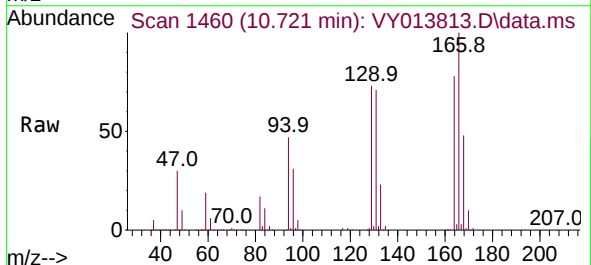
Ion Ratio Lower Upper

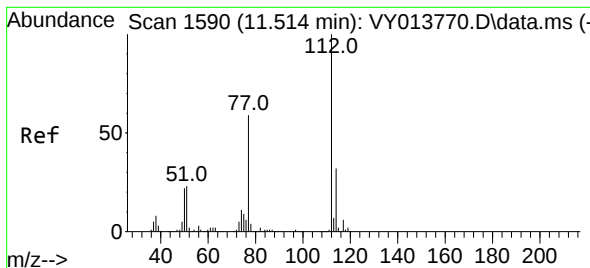
164 100

166 128.5 100.5 150.7

129 94.1 72.5 108.7

131 90.9 71.5 107.3





#65

Chlorobenzene

Concen: 52.492 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

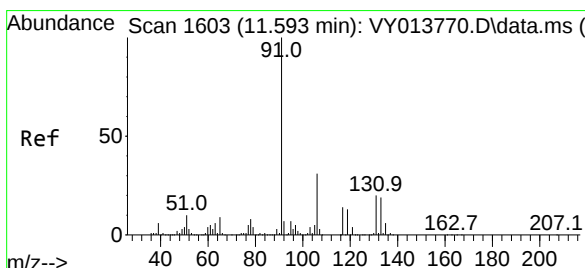
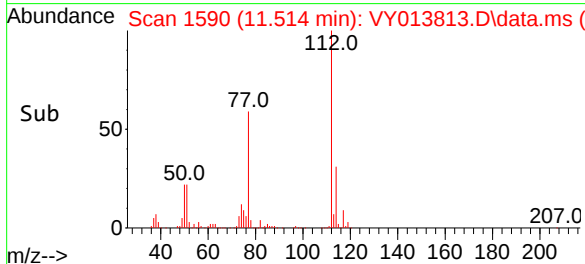
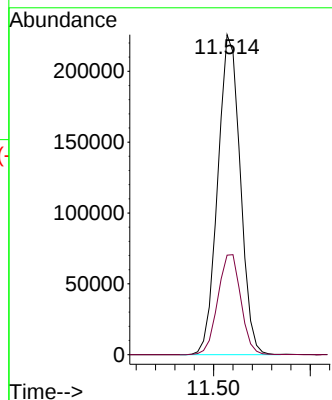
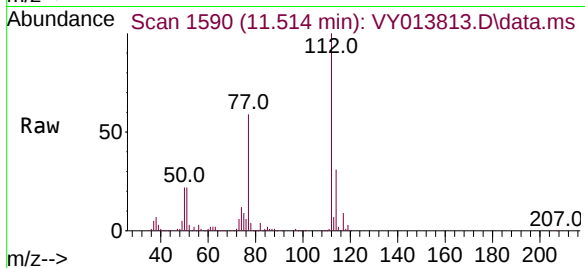
VSTDCCC050

Tgt Ion:112 Resp: 363478

Ion Ratio Lower Upper

112 100

114 31.1 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 53.642 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

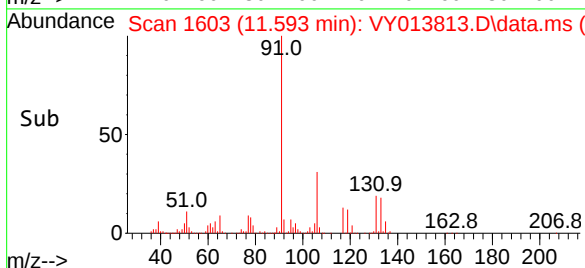
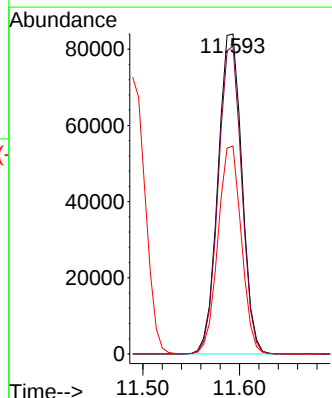
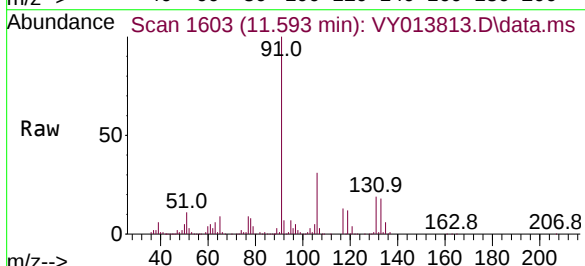
Tgt Ion:131 Resp: 144328

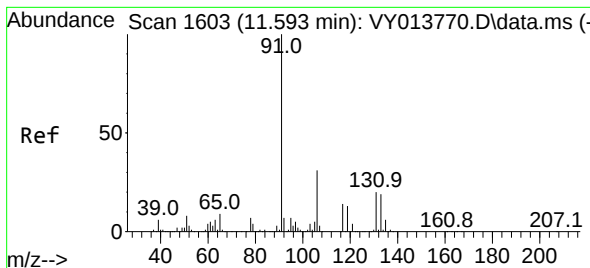
Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.4

119 63.6 32.9 98.7





#67

Ethyl Benzene

Concen: 53.810 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

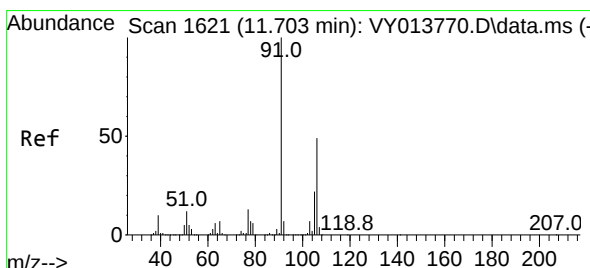
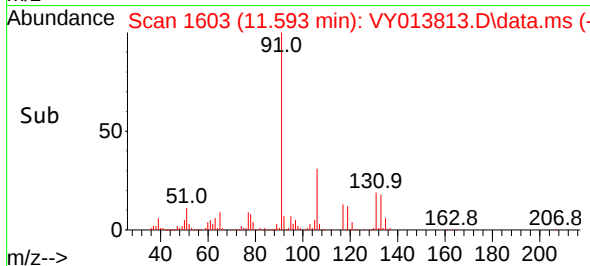
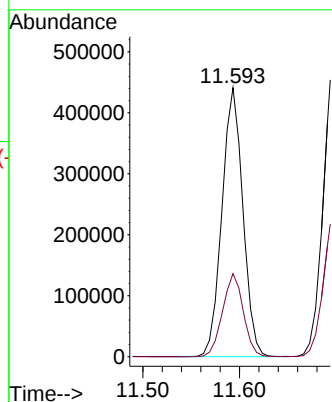
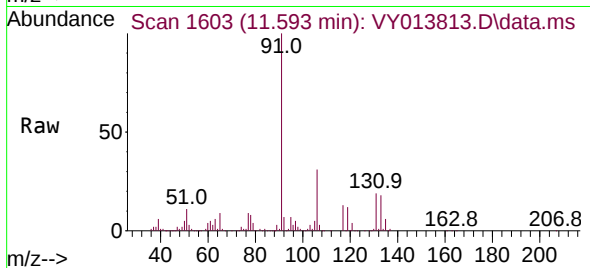
VSTDCCC050

Tgt Ion: 91 Resp: 662113

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6



#68

m/p-Xylenes

Concen: 108.504 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY013813.D

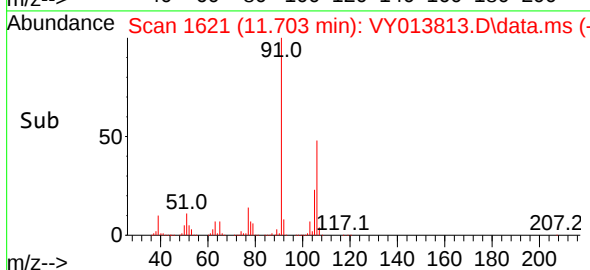
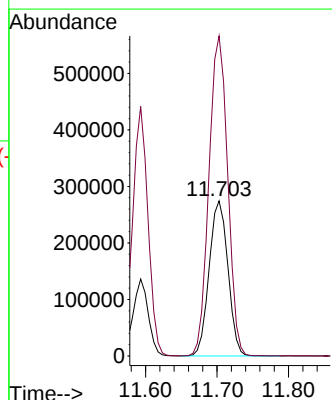
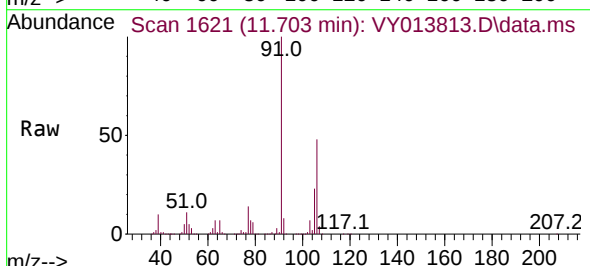
Acq: 19 May 2023 11:31

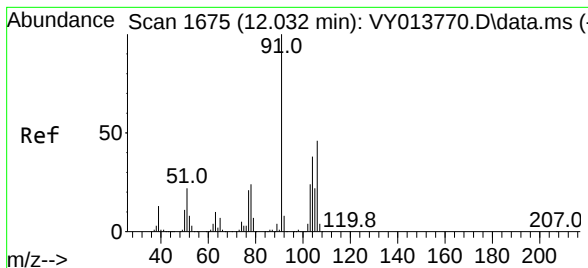
Tgt Ion: 106 Resp: 500057

Ion Ratio Lower Upper

106 100

91 205.8 164.0 246.0





#69

o-Xylene

Concen: 53.684 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

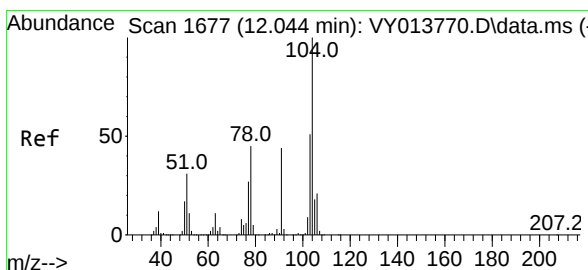
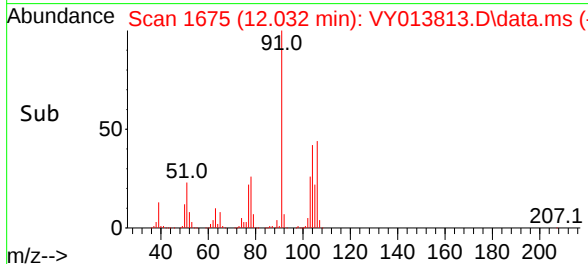
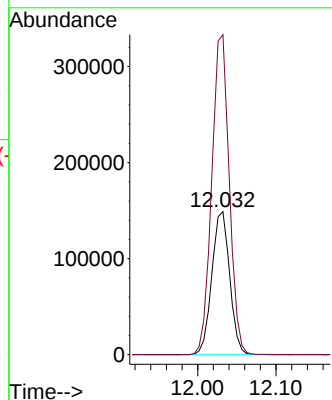
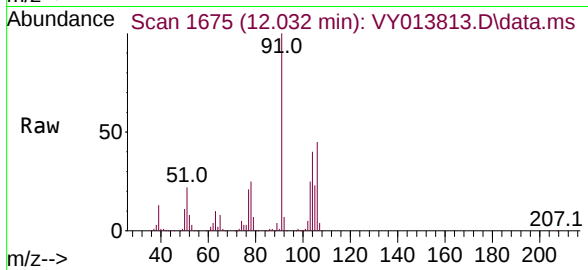
VSTDCCC050

Tgt Ion:106 Resp: 235355

Ion Ratio Lower Upper

106 100

91 220.1 108.4 325.2



#70

Styrene

Concen: 54.573 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

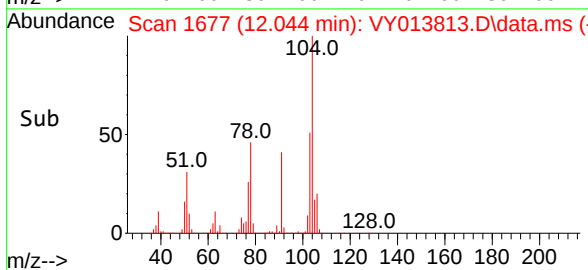
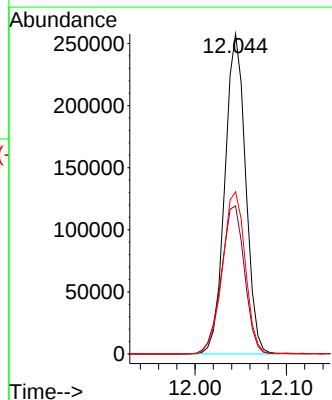
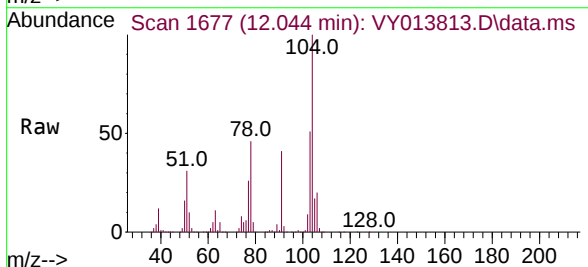
Tgt Ion:104 Resp: 406356

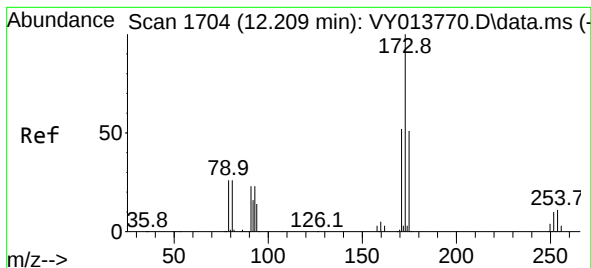
Ion Ratio Lower Upper

104 100

78 52.1 40.6 61.0

103 55.9 44.6 66.8





#71

Bromoform

Concen: 54.173 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

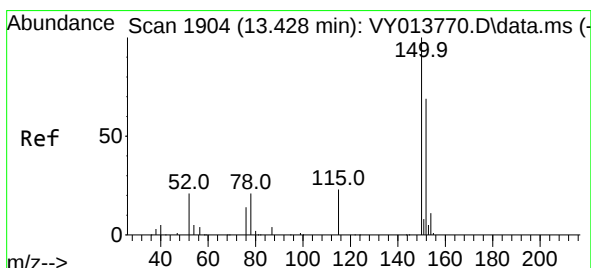
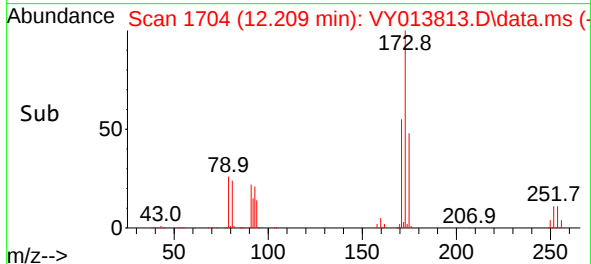
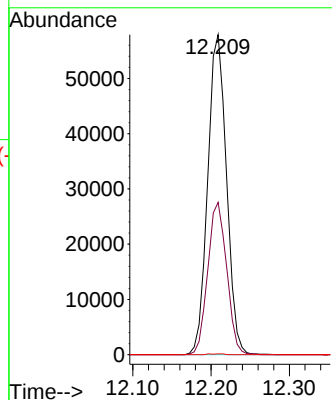
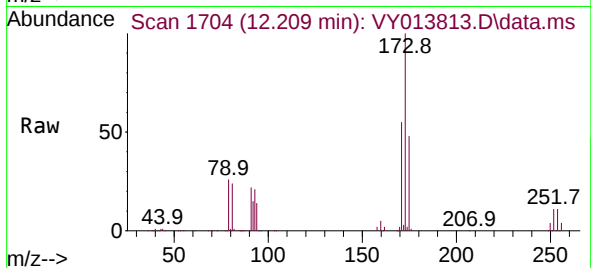
Tgt Ion:173 Resp: 96292

Ion Ratio Lower Upper

173 100

175 48.0 24.9 74.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

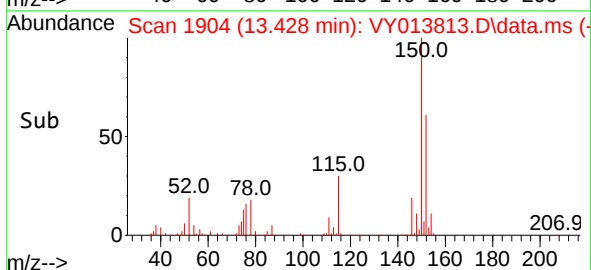
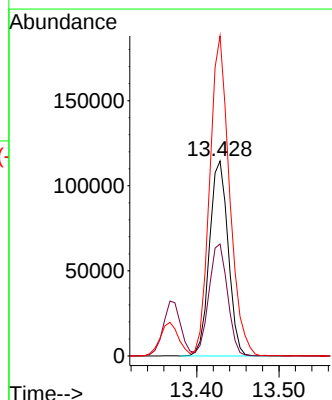
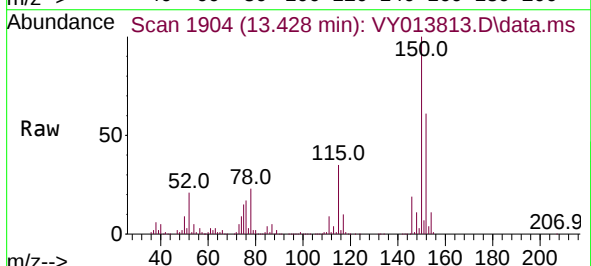
Tgt Ion:152 Resp: 180438

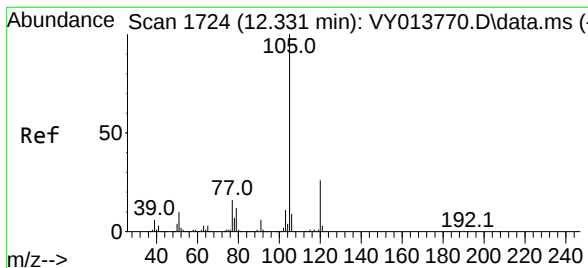
Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.5

150 174.3 0.0 347.0





#73

Isopropylbenzene

Concen: 52.293 ug/l

RT: 12.331 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

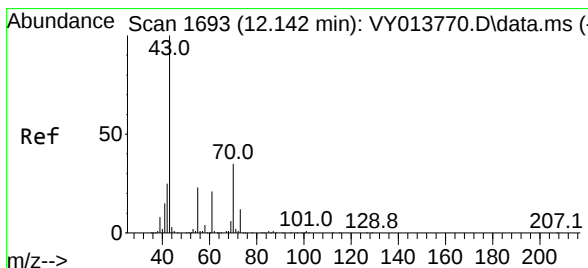
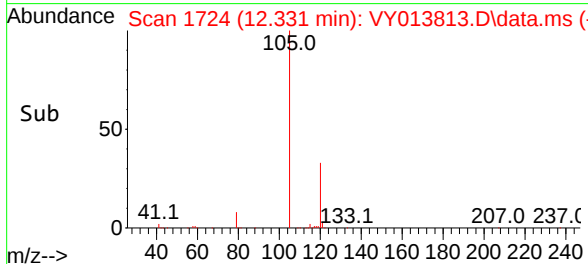
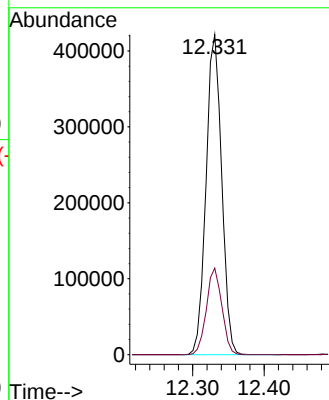
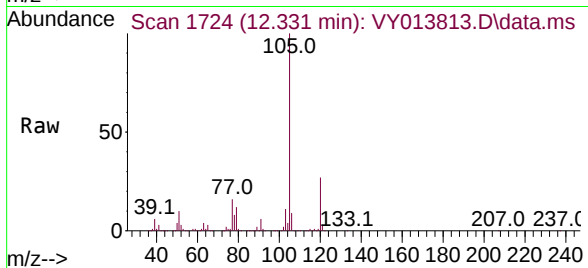
VSTDCCC050

Tgt Ion:105 Resp: 638786

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 46.355 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Tgt Ion: 43 Resp: 192160

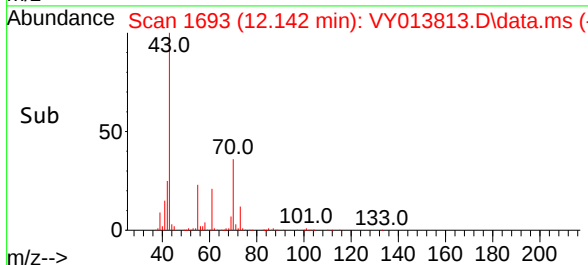
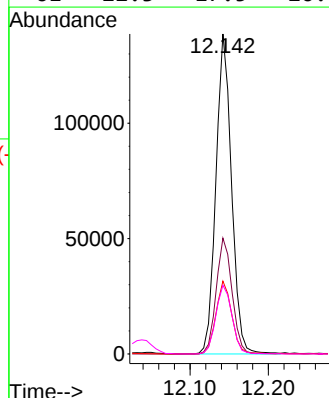
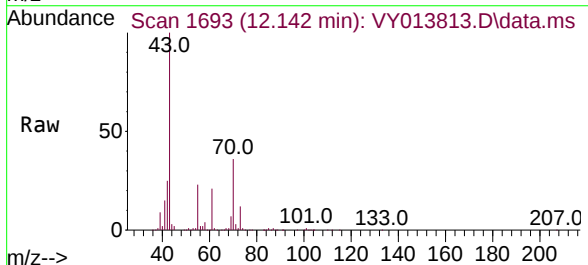
Ion Ratio Lower Upper

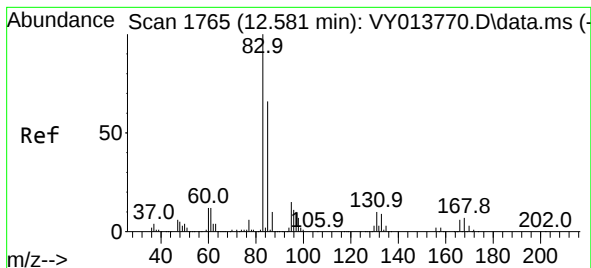
43 100

70 36.8 28.8 43.2

55 23.2 18.5 27.7

61 22.3 17.5 26.3





#75

1,1,2-Tetrachloroethane

Concen: 47.011 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

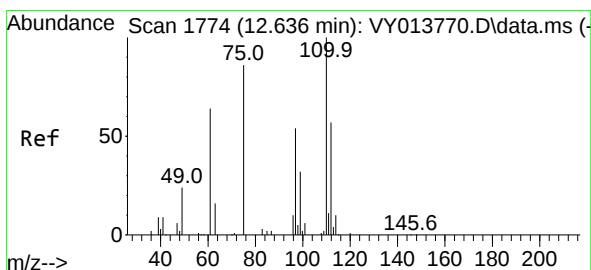
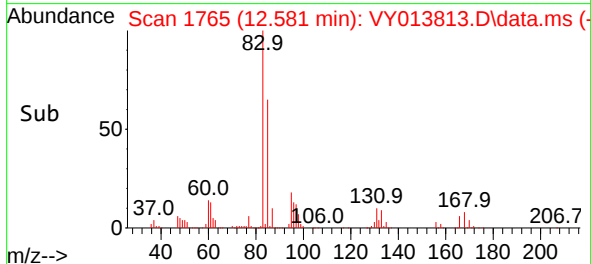
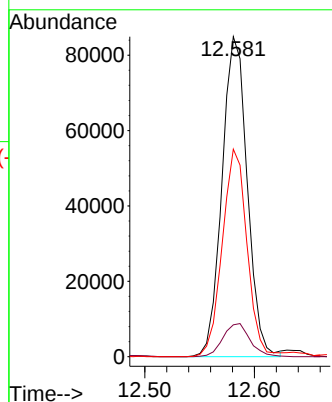
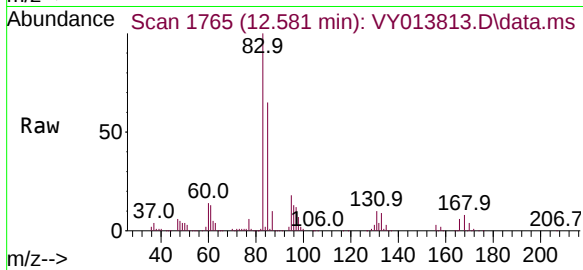
Tgt Ion: 83 Resp: 136040

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.2

85 63.5 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 81.459 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY013813.D

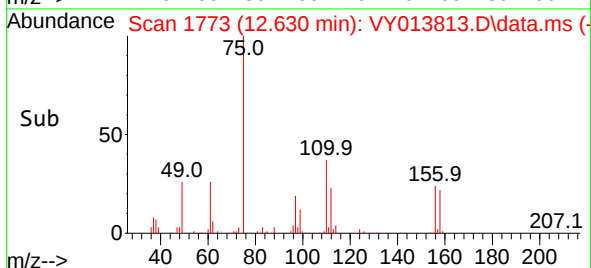
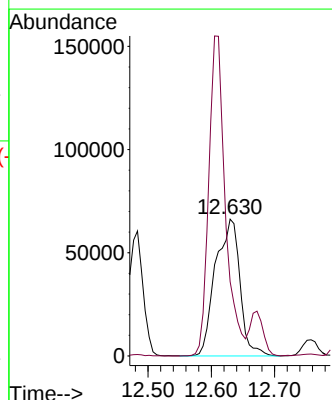
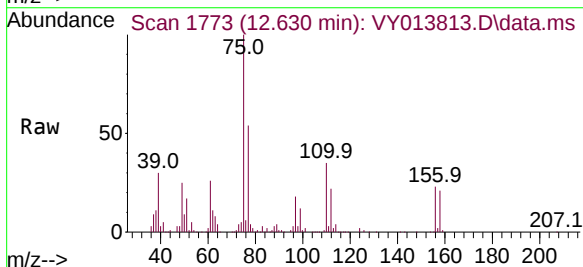
Acq: 19 May 2023 11:31

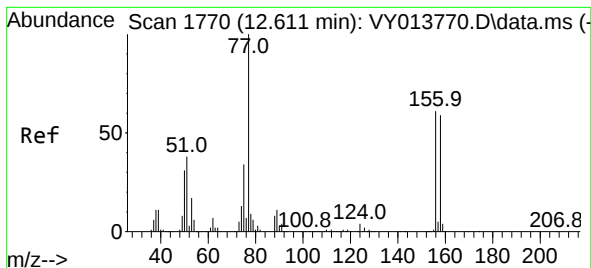
Tgt Ion: 75 Resp: 177888

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.764 ug/l

RT: 12.611 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

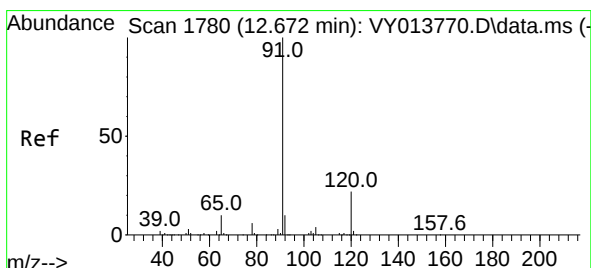
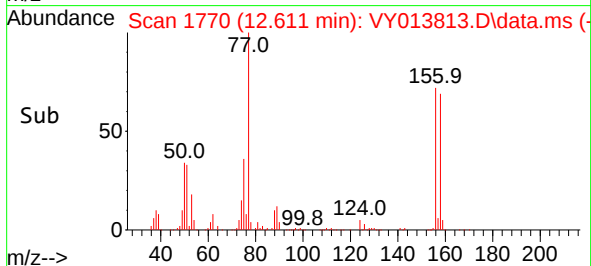
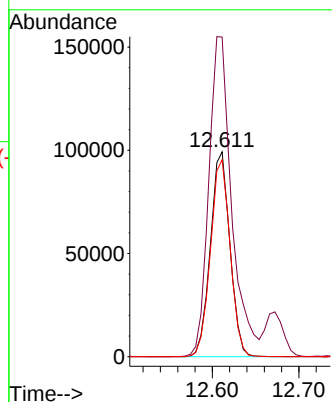
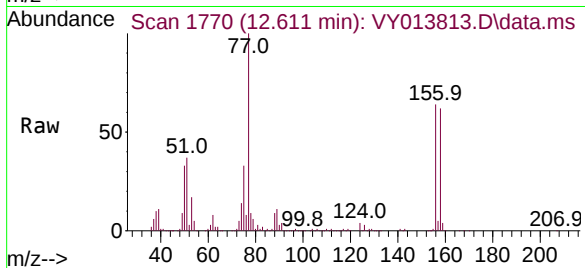
Tgt Ion:156 Resp: 155483

Ion Ratio Lower Upper

156 100

77 183.0 97.1 291.3

158 96.6 49.1 147.3



#78

n-propylbenzene

Concen: 52.666 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013813.D

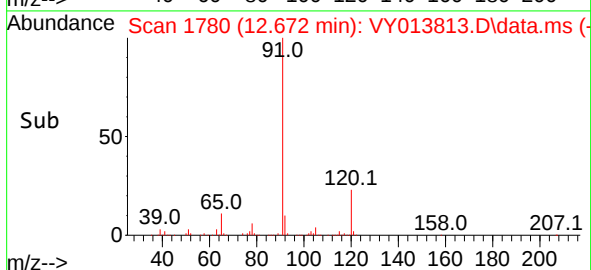
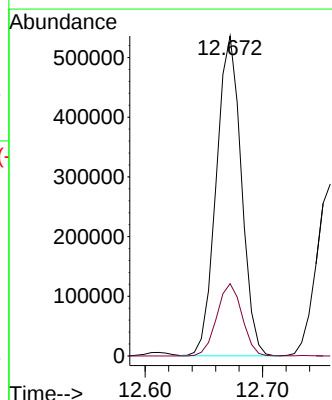
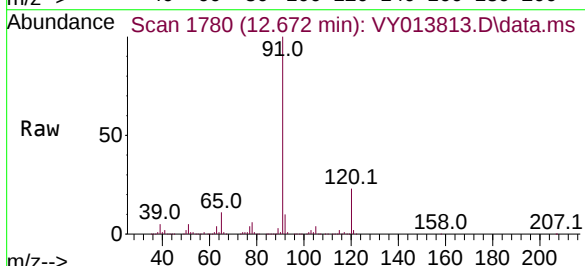
Acq: 19 May 2023 11:31

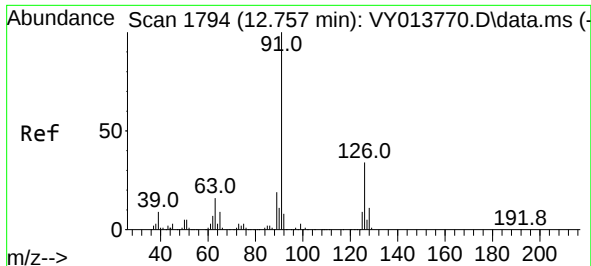
Tgt Ion: 91 Resp: 792501

Ion Ratio Lower Upper

91 100

120 22.7 10.9 32.9





#79

2-Chlorotoluene

Concen: 51.961 ug/l

RT: 12.758 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

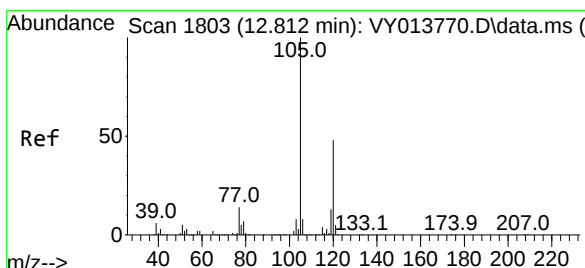
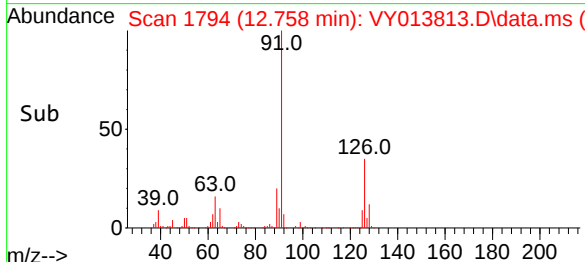
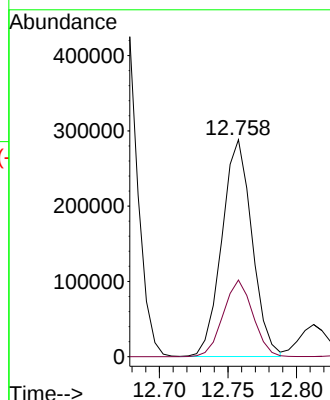
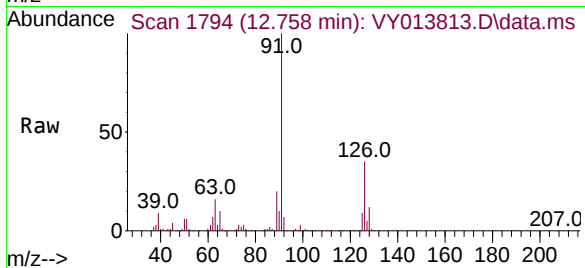
VSTDCCC050

Tgt Ion: 91 Resp: 441277

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 53.863 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013813.D

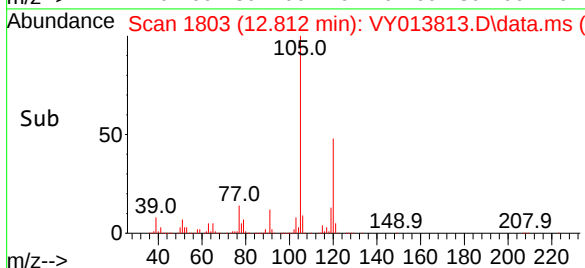
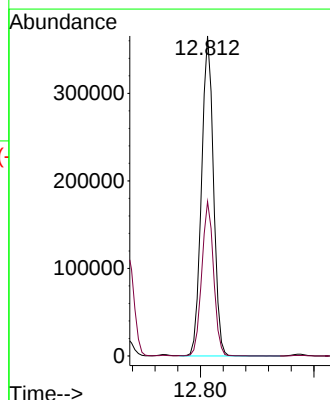
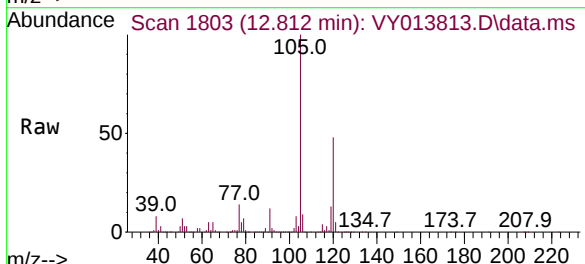
Acq: 19 May 2023 11:31

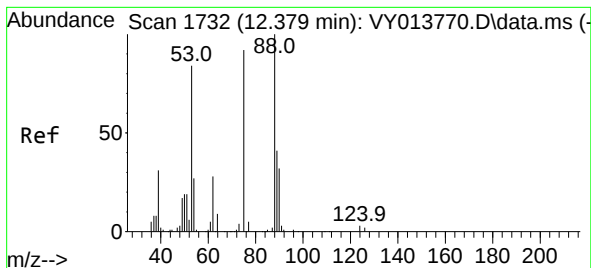
Tgt Ion:105 Resp: 536509

Ion Ratio Lower Upper

105 100

120 47.6 23.8 71.5

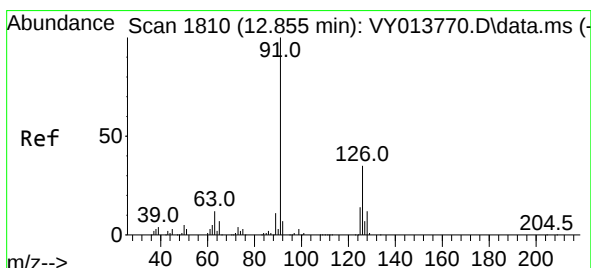
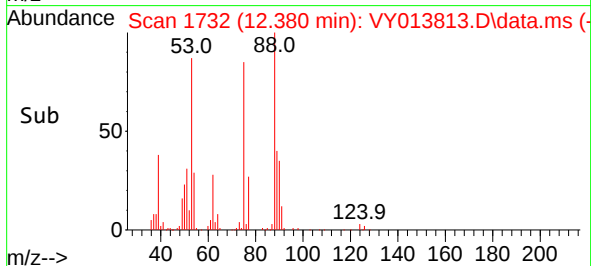
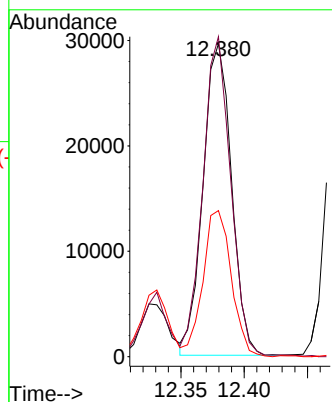
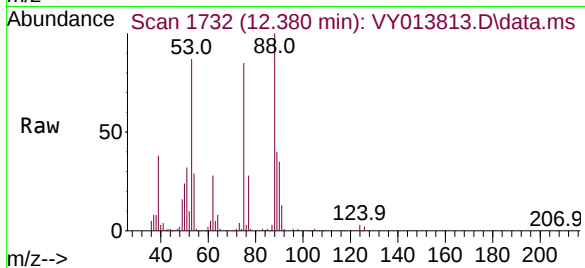




#81
trans-1,4-Dichloro-2-butene
Concen: 47.131 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

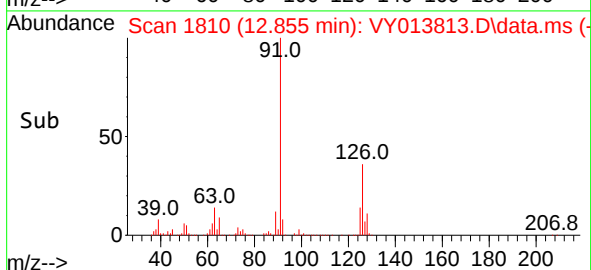
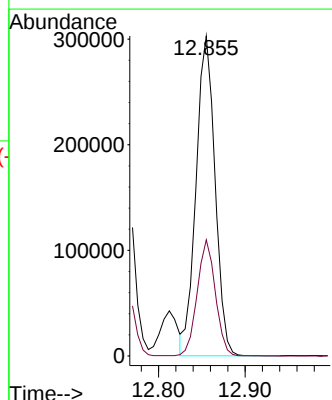
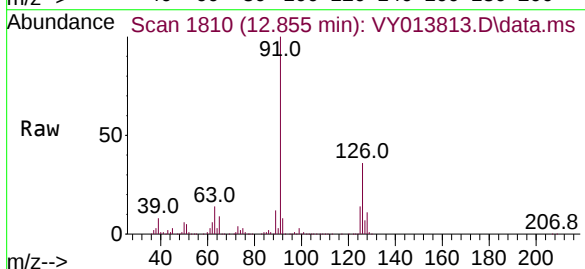
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

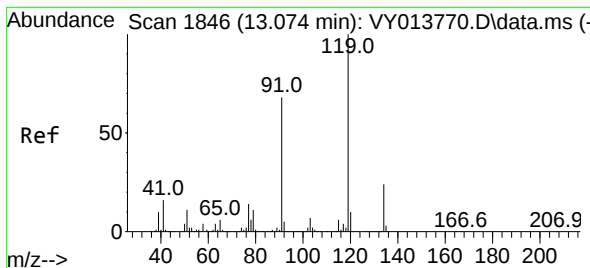
Tgt Ion: 75 Resp: 46229
Ion Ratio Lower Upper
75 100
53 101.2 75.3 112.9
89 47.0 35.4 53.2



#82
4-Chlorotoluene
Concen: 52.045 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion: 91 Resp: 460412
Ion Ratio Lower Upper
91 100
126 34.8 16.8 50.4





#83

tert-Butylbenzene

Concen: 53.558 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

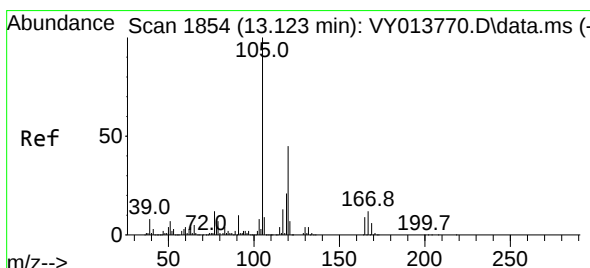
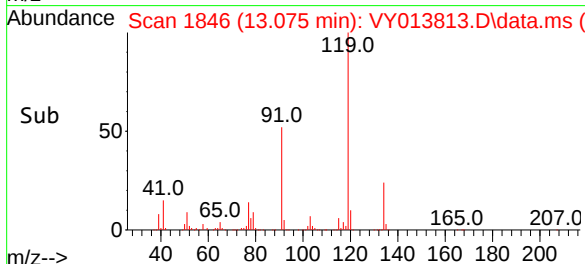
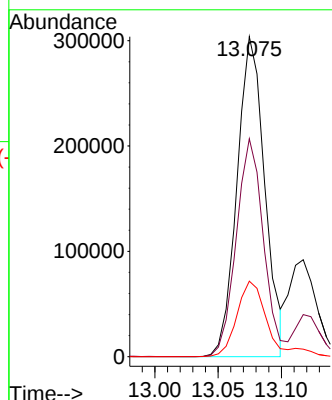
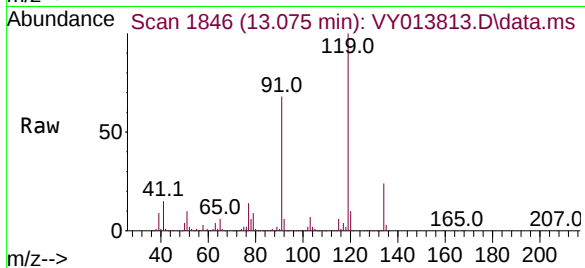
Tgt Ion:119 Resp: 464565

Ion Ratio Lower Upper

119 100

91 67.2 33.3 99.9

134 26.0 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 54.337 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY013813.D

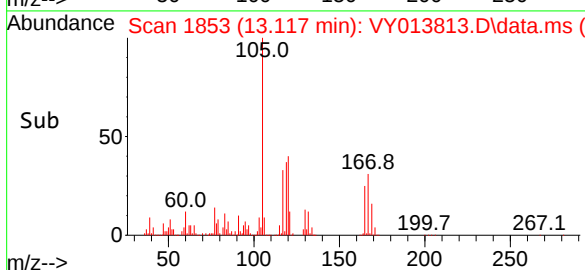
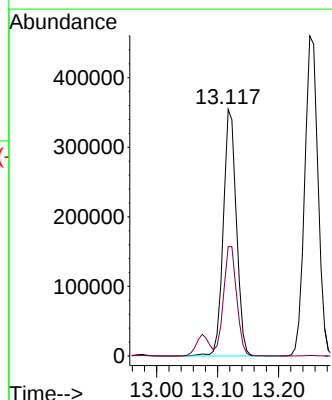
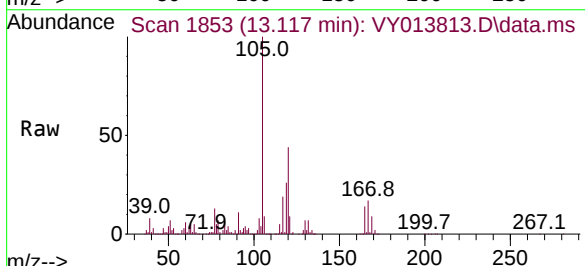
Acq: 19 May 2023 11:31

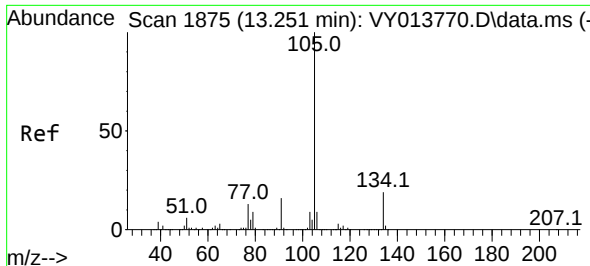
Tgt Ion:105 Resp: 530470

Ion Ratio Lower Upper

105 100

120 44.6 22.2 66.6

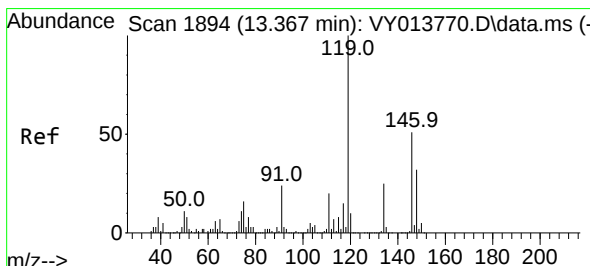
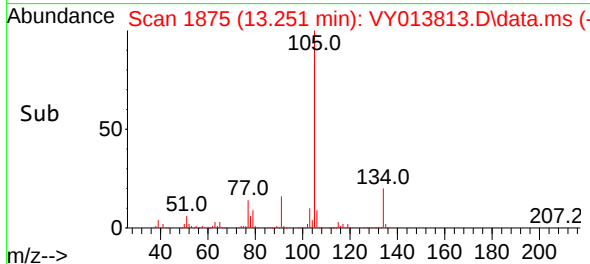
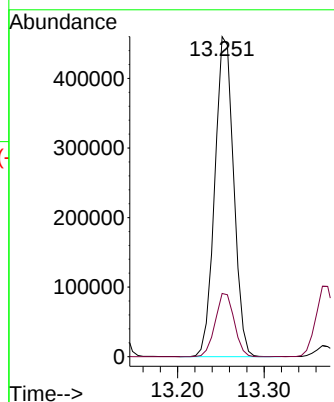
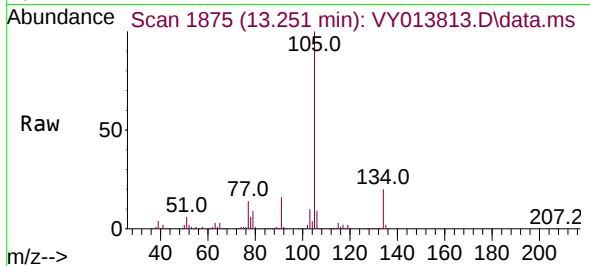




#85
 sec-Butylbenzene
 Concen: 53.146 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY013813.D
 Acq: 19 May 2023 11:31

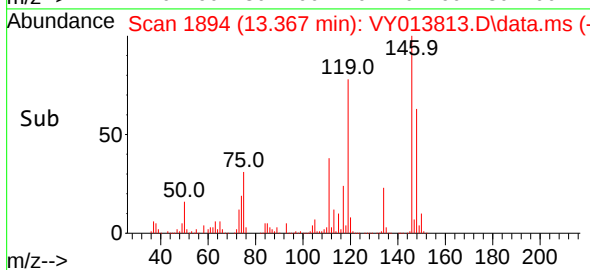
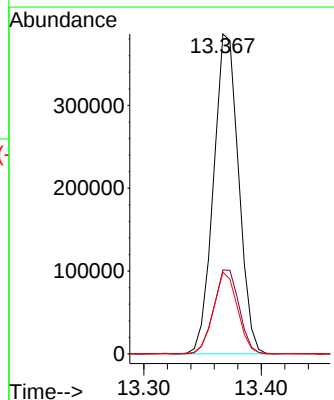
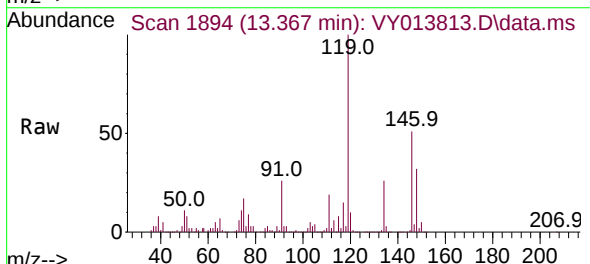
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

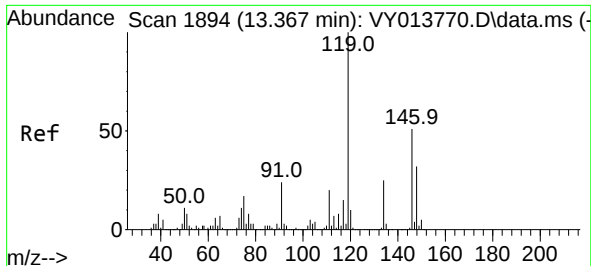
Tgt Ion:105 Resp: 695558
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 54.184 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013813.D
 Acq: 19 May 2023 11:31

Tgt Ion:119 Resp: 572627
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.3
 91 24.4 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 52.603 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

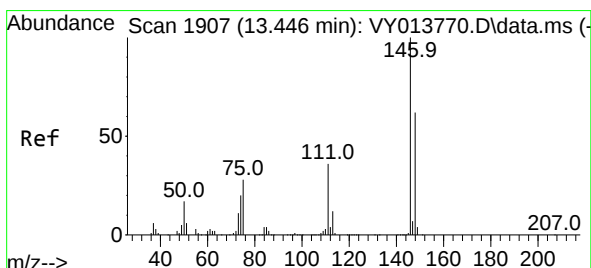
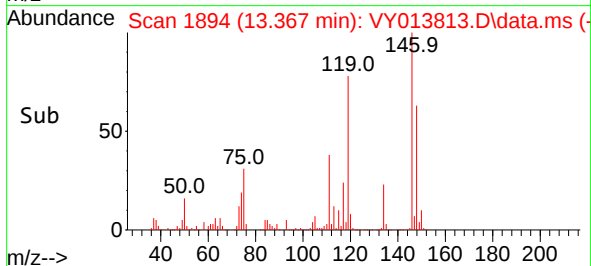
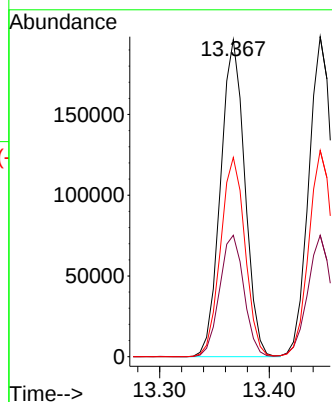
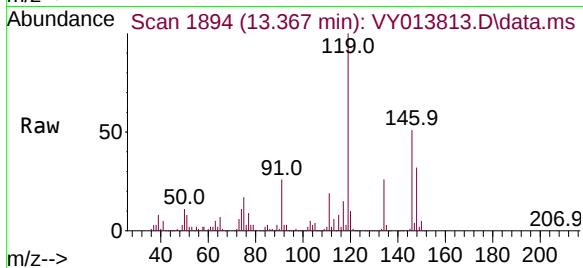
Tgt Ion:146 Resp: 301766

Ion Ratio Lower Upper

146 100

111 38.4 19.7 59.0

148 63.5 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 52.030 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

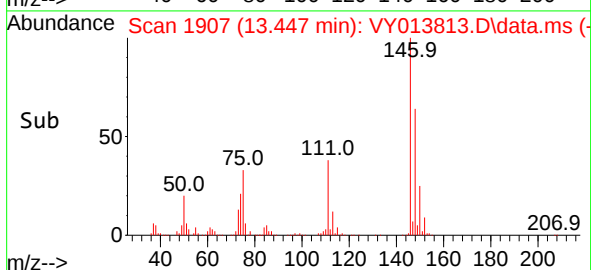
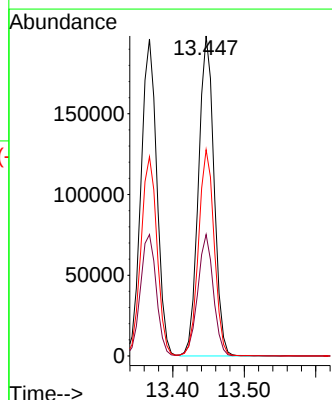
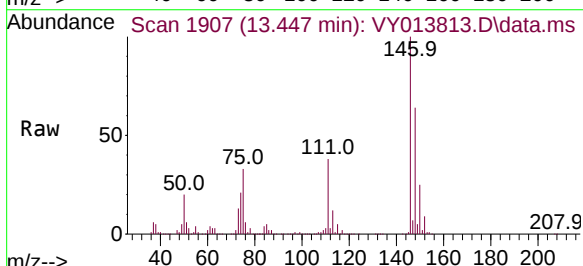
Tgt Ion:146 Resp: 300126

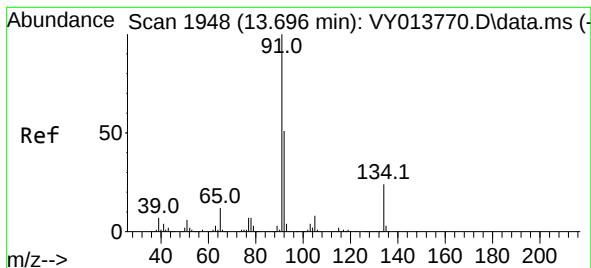
Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.7

148 64.7 31.6 94.7





#89

n-Butylbenzene

Concen: 53.037 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

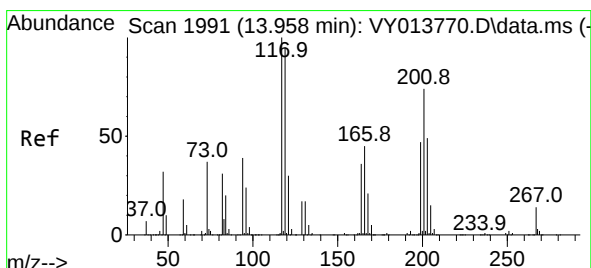
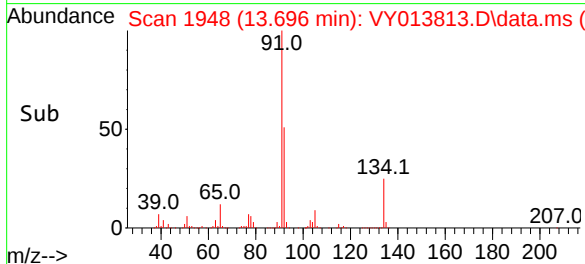
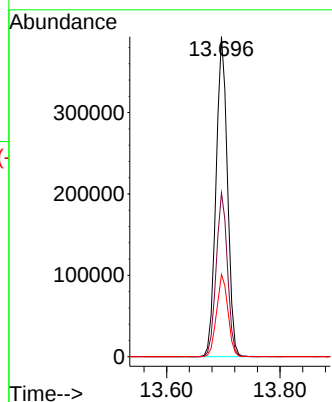
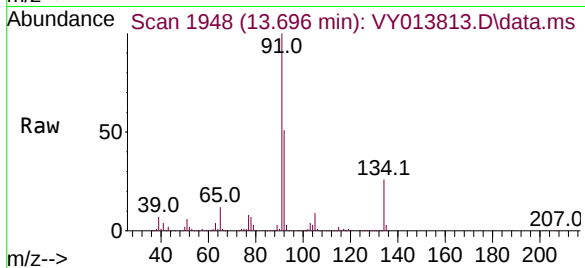
Tgt Ion: 91 Resp: 549526

Ion Ratio Lower Upper

91 100

92 50.6 25.4 76.4

134 25.5 12.2 36.6



#90

Hexachloroethane

Concen: 51.087 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY013813.D

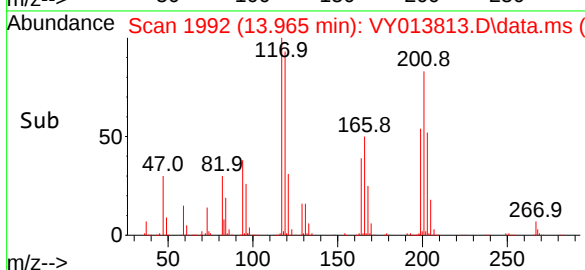
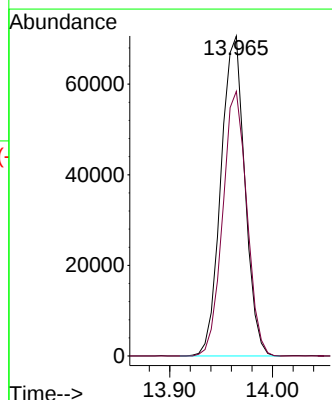
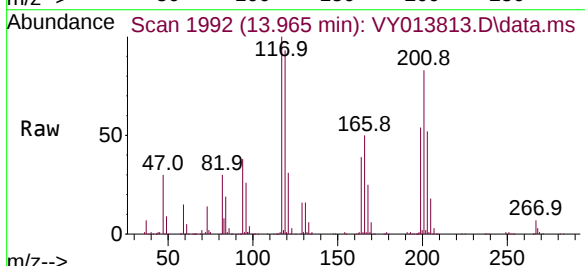
Acq: 19 May 2023 11:31

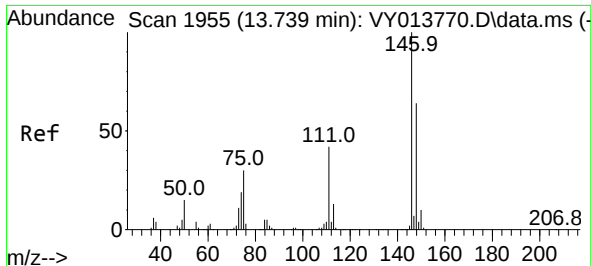
Tgt Ion: 117 Resp: 114091

Ion Ratio Lower Upper

117 100

201 83.3 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 53.631 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

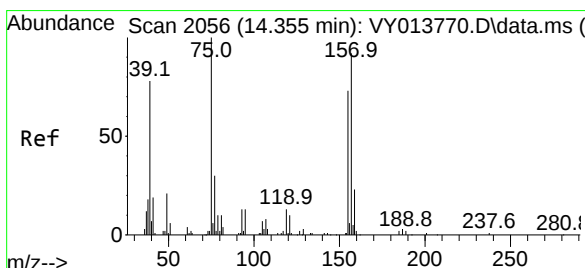
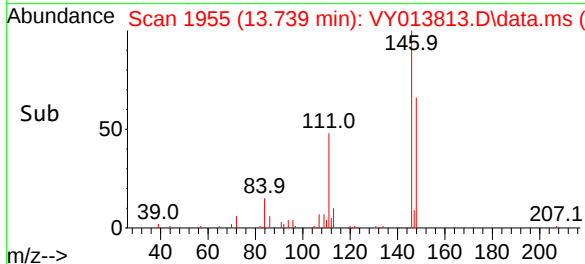
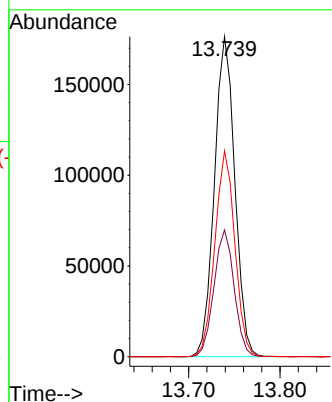
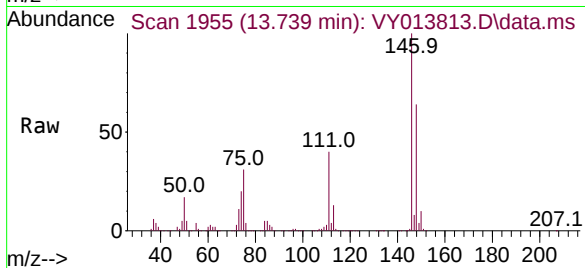
Tgt Ion:146 Resp: 273967

Ion Ratio Lower Upper

146 100

111 39.1 20.0 59.9

148 63.0 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.450 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

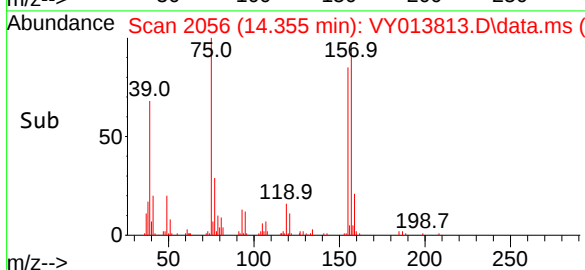
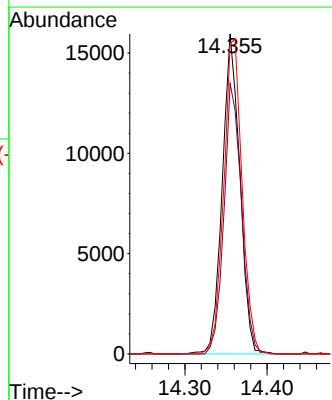
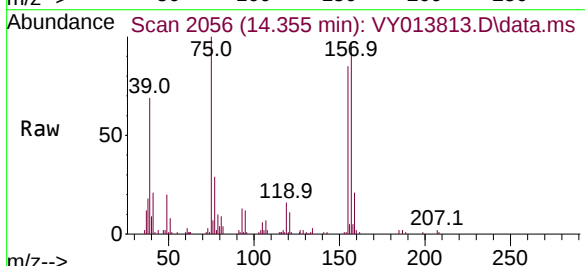
Tgt Ion: 75 Resp: 23655

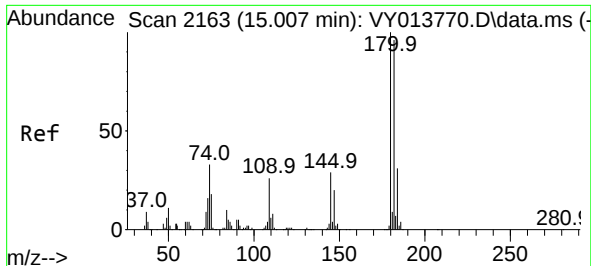
Ion Ratio Lower Upper

75 100

155 84.3 39.1 117.3

157 103.2 50.2 150.7

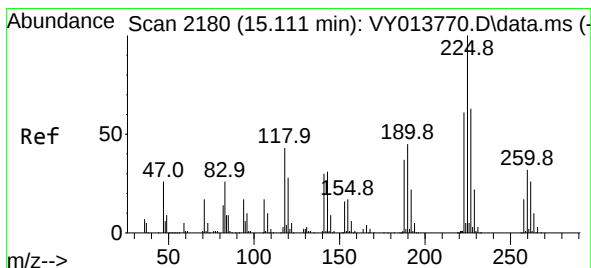
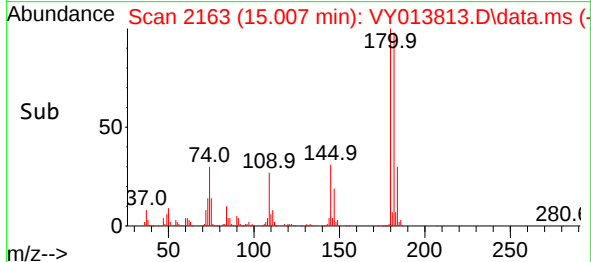
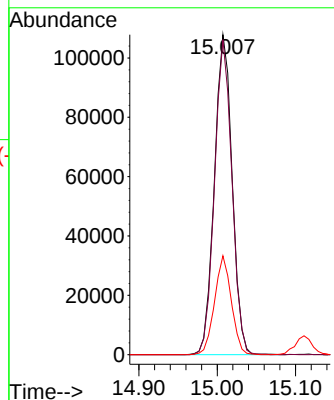
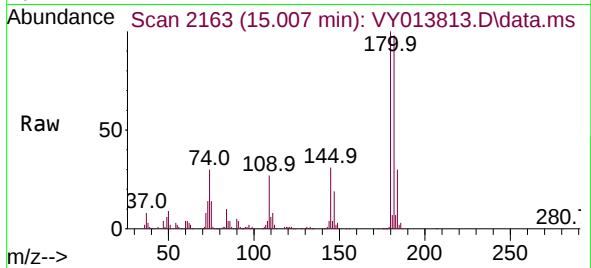




#93
1,2,4-Trichlorobenzene
Concen: 56.025 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

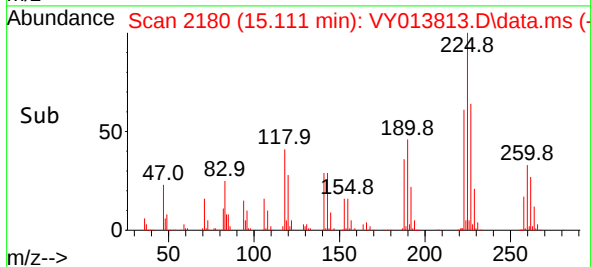
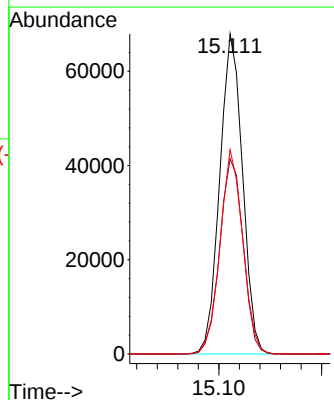
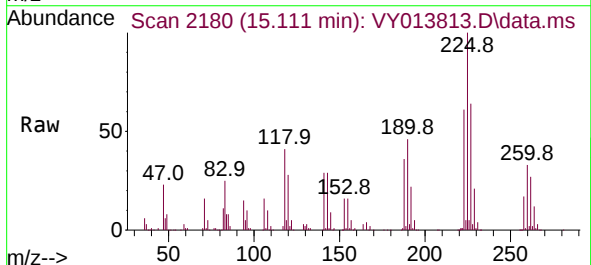
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

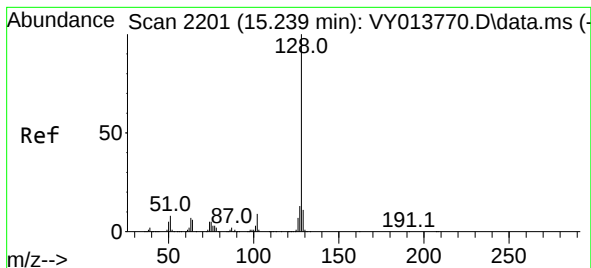
Tgt Ion:180 Resp: 169834
Ion Ratio Lower Upper
180 100
182 96.4 47.4 142.3
145 29.2 14.9 44.9



#94
Hexachlorobutadiene
Concen: 55.445 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VY013813.D
Acq: 19 May 2023 11:31

Tgt Ion:225 Resp: 104412
Ion Ratio Lower Upper
225 100
223 62.7 30.6 91.6
227 63.6 31.6 94.7





#95

Naphthalene

Concen: 54.934 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

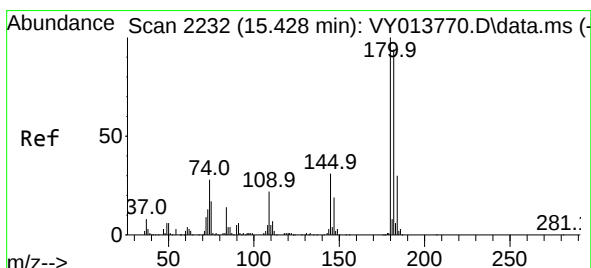
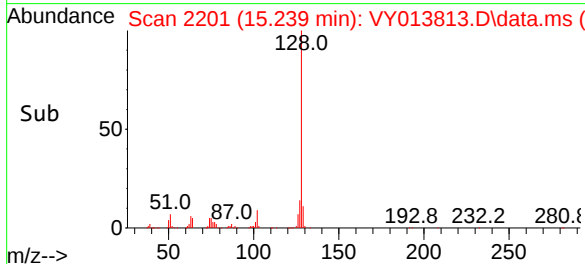
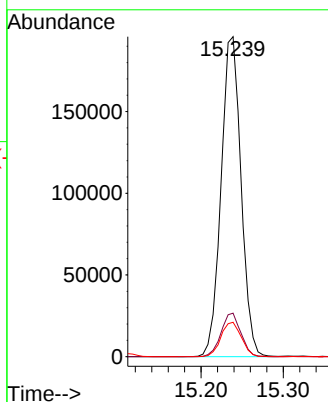
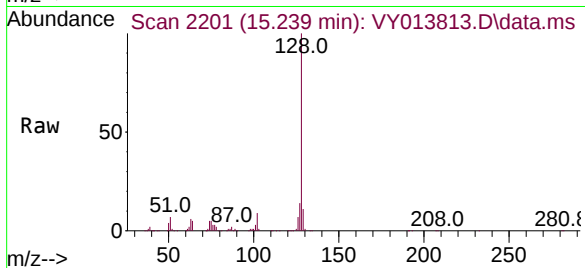
Tgt Ion:128 Resp: 330516

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 55.427 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY013813.D

Acq: 19 May 2023 11:31

Tgt Ion:180 Resp: 151173

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.4

145 30.7 15.6 46.7

