

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014792.D
 Acq On : 25 Jul 2023 11:24
 Operator : SY/MD
 Sample : 03719-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P11ARE

Quant Time: Jul 25 14:13:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

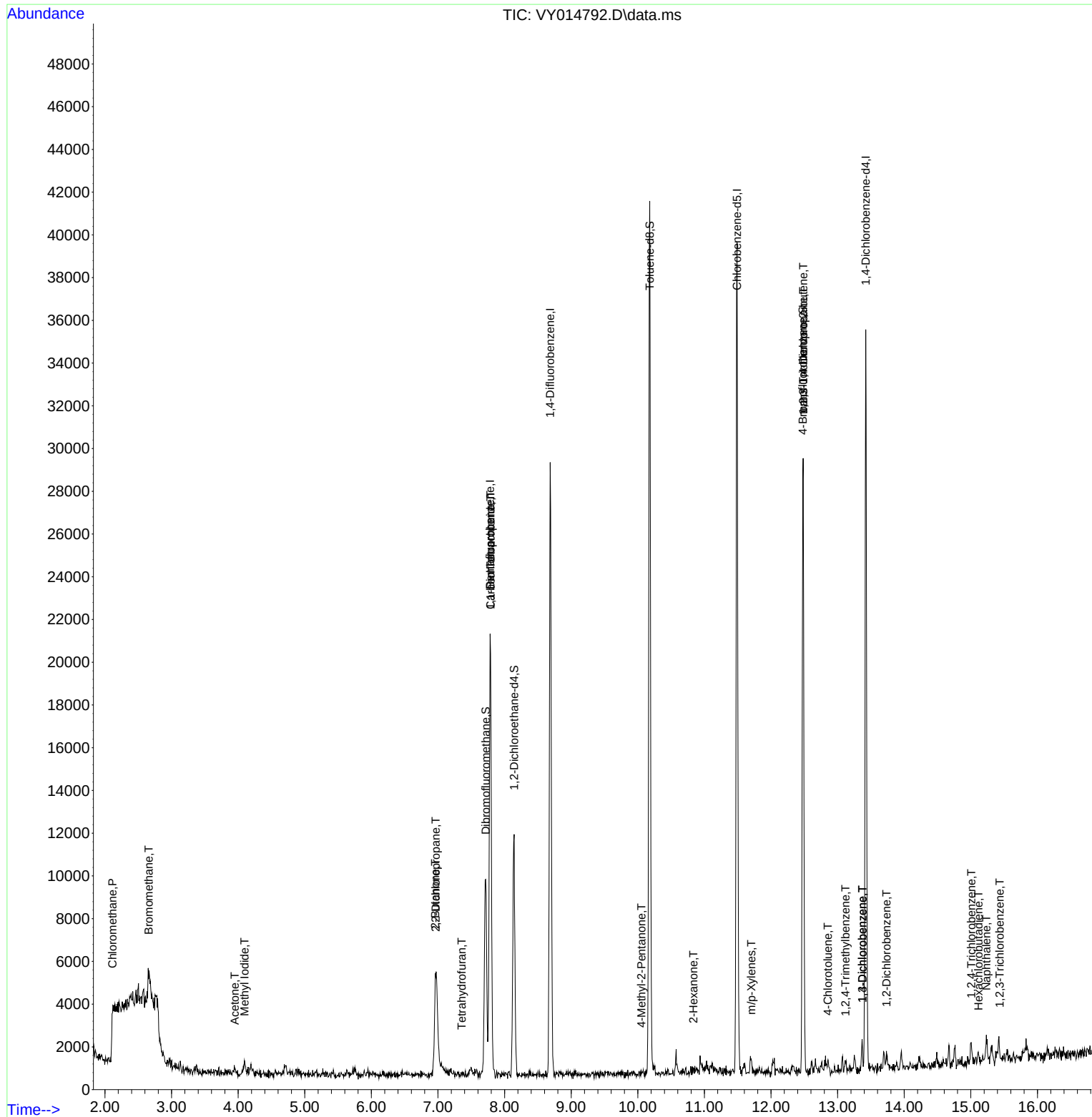
Internal Standards						
1) Pentafluorobenzene	7.782	168	16596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	21779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8607	45.511	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.020%		
35) Dibromofluoromethane	7.715	113	6867	43.593	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.180%		
50) Toluene-d8	10.178	98	28531	49.126	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.260%		
62) 4-Bromofluorobenzene	12.477	95	8942	40.155	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.300%		
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	394	2.592	ug/l #	79
5) Bromomethane	2.655	94	823	7.332	ug/l #	57
10) Methyl Iodide	4.094	142	876	6.871	ug/l #	71
11) Tert butyl alcohol	4.923	59	25	Below Cal	#	89
16) Acetone	3.948	43	320	5.340	ug/l #	46
20) Methylene Chloride	4.704	84	357	Below Cal	#	49
25) 2-Butanone	6.959	43	227	2.589	ug/l #	49
26) 2,2-Dichloropropane	6.965	77	504	1.567	ug/l #	54
29) Tetrahydrofuran	7.356	42	56	1.037	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	1225	5.200	ug/l #	45
38) Carbon Tetrachloride	7.789	117	1734	6.963	ug/l #	12
51) 4-Methyl-2-Pentanone	10.056	43	267	1.646	ug/l #	39
59) 2-Hexanone	10.837	43	143	1.209	ug/l	83
68) m/p-Xylenes	11.702	106	367	1.147	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	4561	40.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4561	78.749	ug/l #	10
82) 4-Chlorotoluene	12.855	91	584	1.175	ug/l	71
84) 1,2,4-Trimethylbenzene	13.117	105	591	1.037	ug/l	80
87) 1,3-Dichlorobenzene	13.373	146	347	1.123	ug/l	83
88) 1,4-Dichlorobenzene	13.373	146	347	1.121	ug/l	82
91) 1,2-Dichlorobenzene	13.733	146	438	1.548	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	357	1.987	ug/l	93
94) Hexachlorobutadiene	15.116	225	174	1.763	ug/l #	74
95) Naphthalene	15.232	128	1252	2.992	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.433	180	447	2.800	ug/l	95

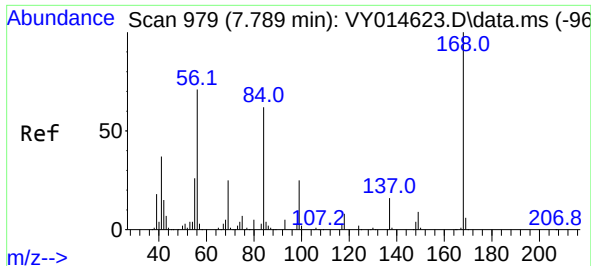
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
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Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

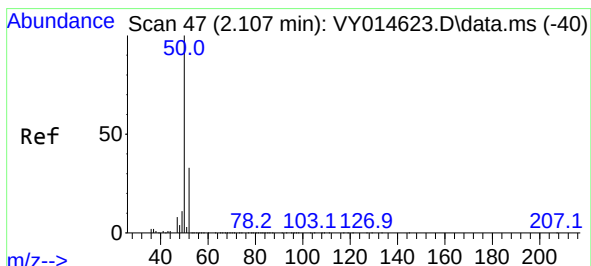
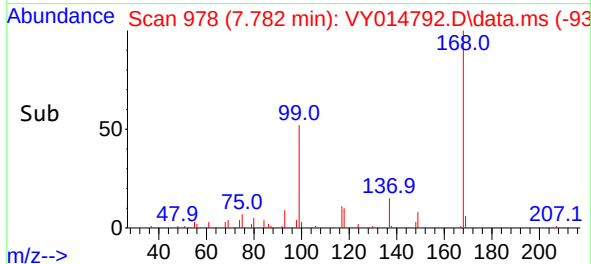
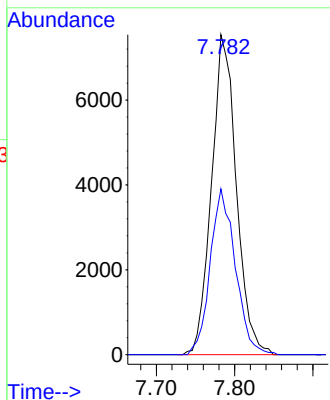
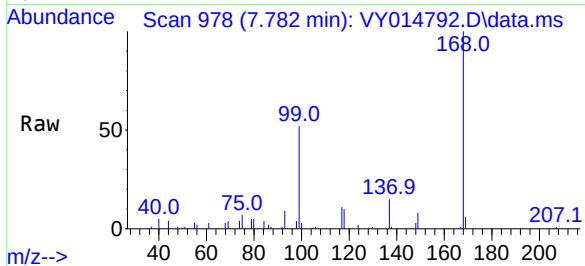




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

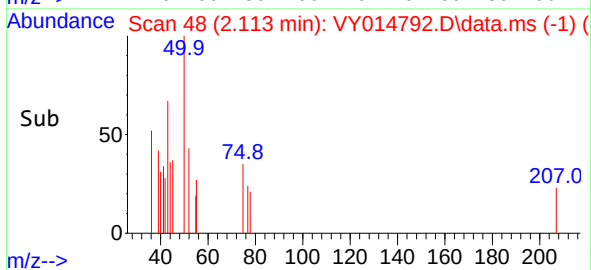
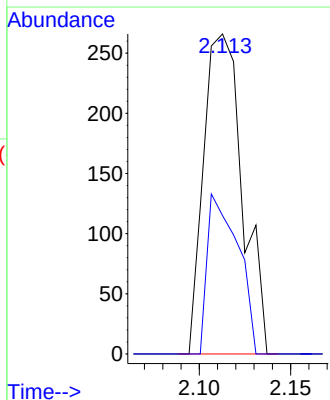
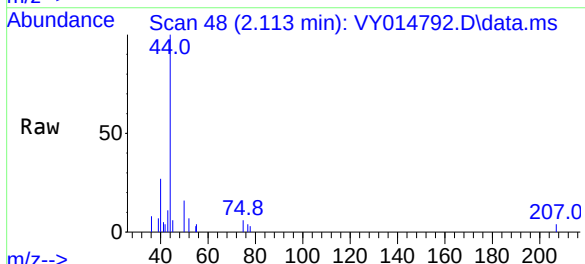
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

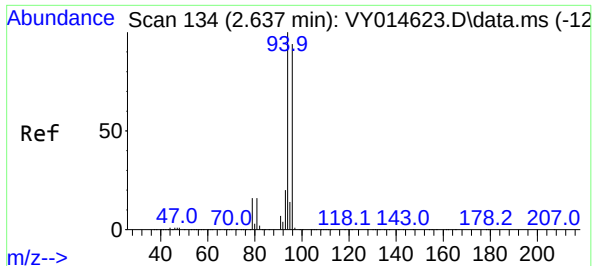
Tgt Ion:168 Resp: 16596
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#3
Chloromethane
Concen: 2.592 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 43.2 25.4 38.2#

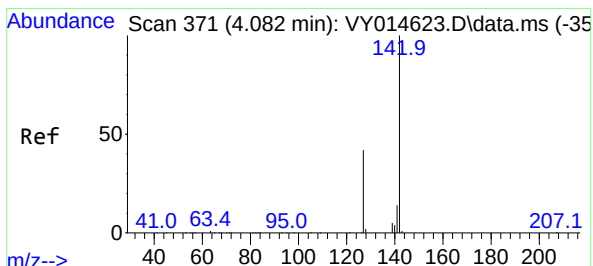
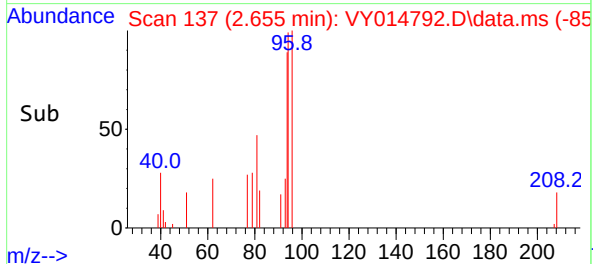
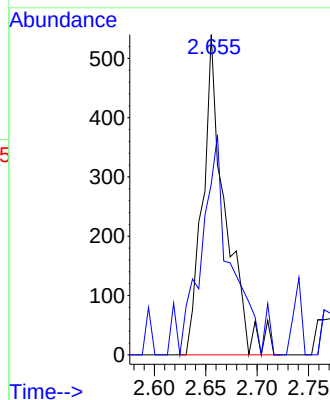
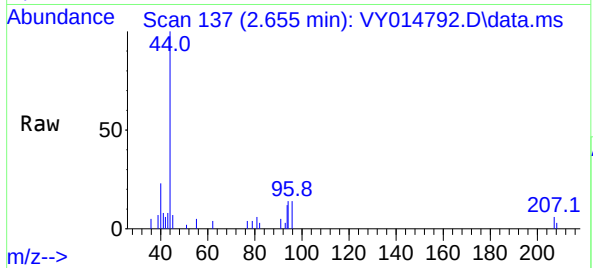




#5
Bromomethane
Concen: 7.332 ug/l
RT: 2.655 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

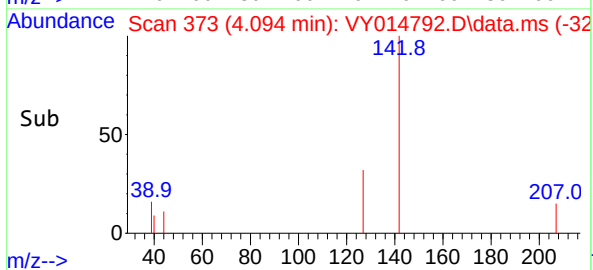
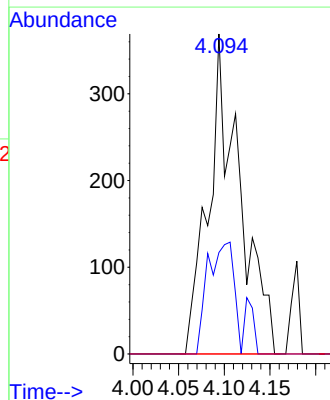
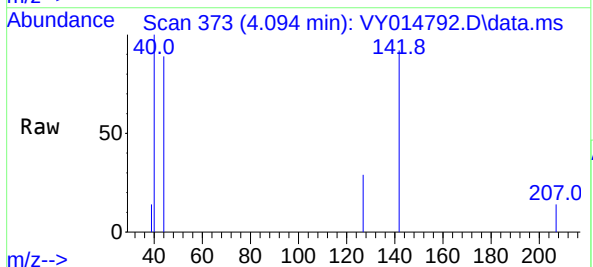
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

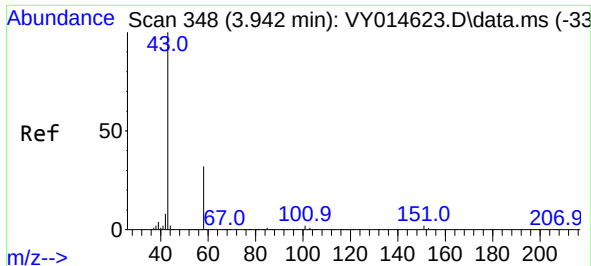
Tgt Ion: 94 Resp: 823
Ion Ratio Lower Upper
94 100
96 53.3 75.8 113.6#



#10
Methyl Iodide
Concen: 6.871 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:142 Resp: 876
Ion Ratio Lower Upper
142 100
127 29.2 37.6 56.4#
141 0.0 11.8 17.8#

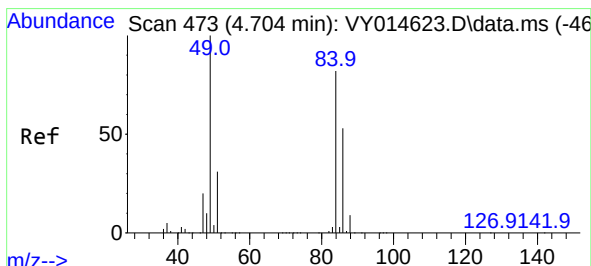
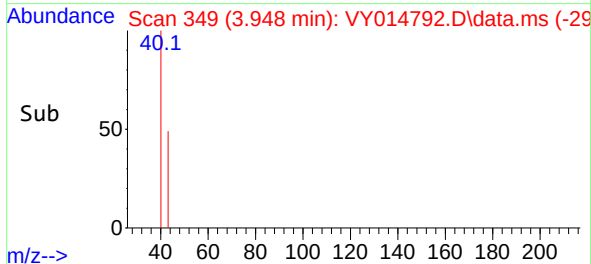
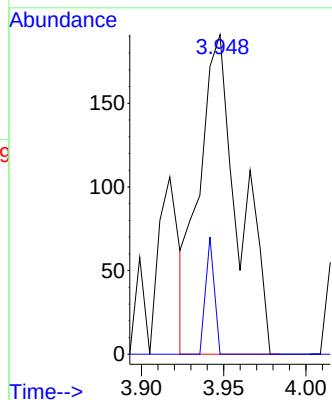
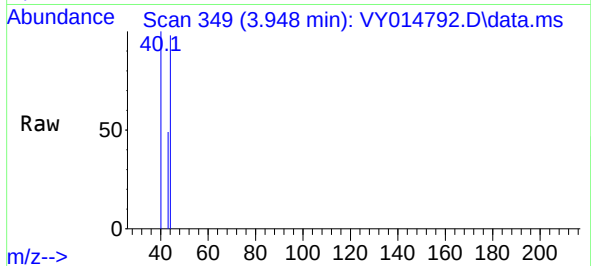




#16
Acetone
Concen: 5.340 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

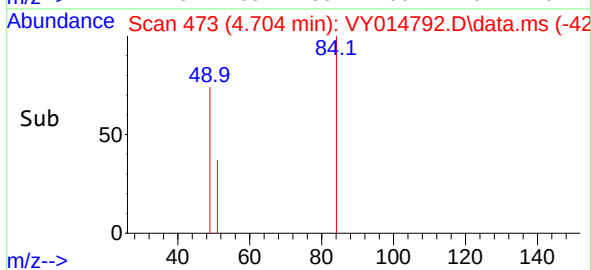
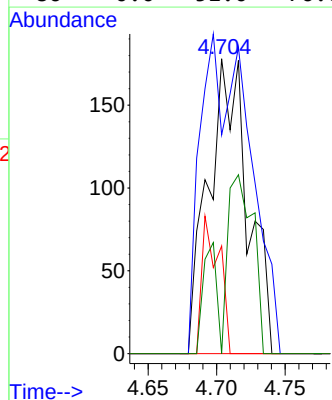
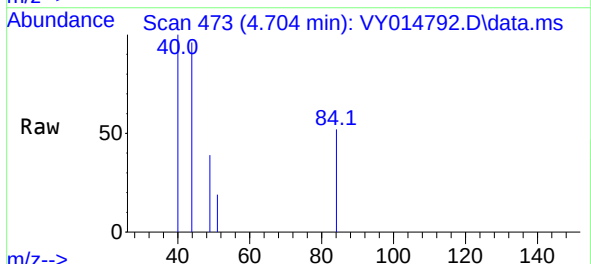
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

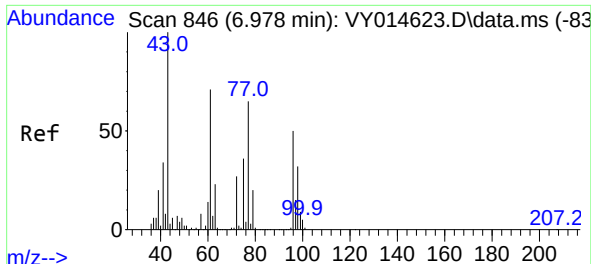
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 84 Resp: 357
Ion Ratio Lower Upper
84 100
49 74.2 106.9 160.3#
51 36.5 33.2 49.8
86 0.0 51.0 76.6#

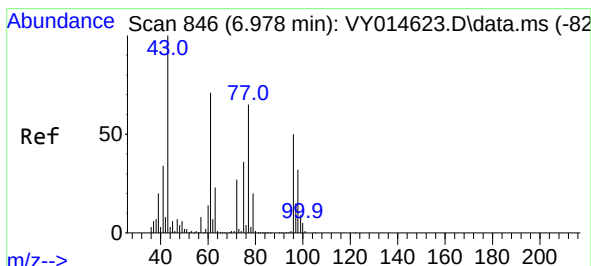
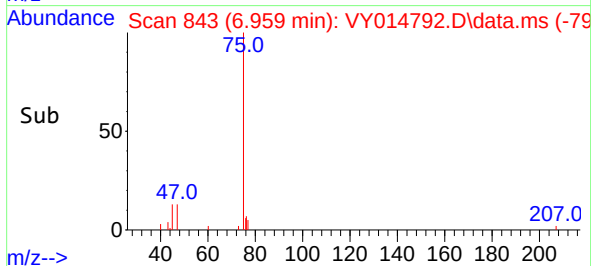
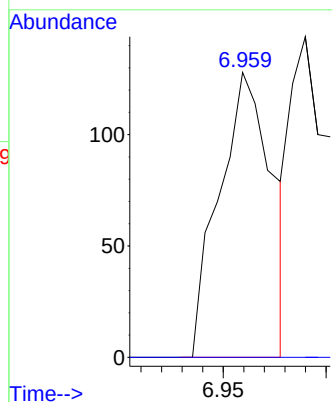
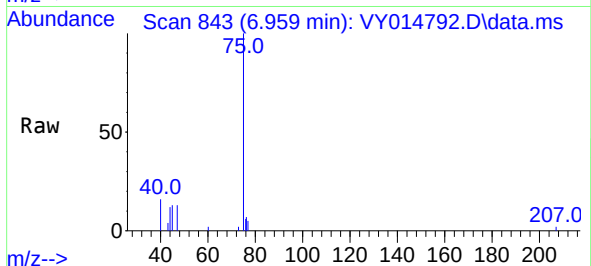




#25
2-Butanone
Concen: 2.589 ug/l
RT: 6.959 min Scan# 843
Delta R.T. -0.019 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

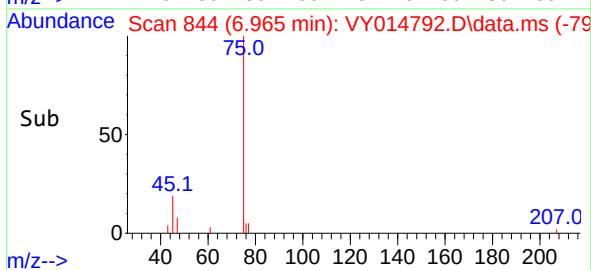
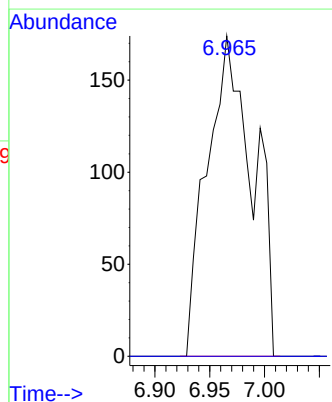
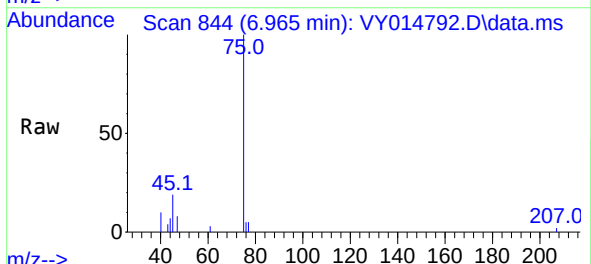
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

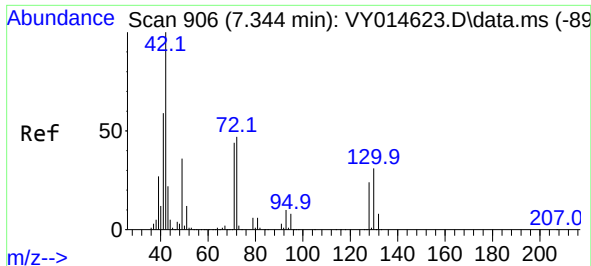
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.567 ug/l
RT: 6.965 min Scan# 844
Delta R.T. -0.013 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 77 Resp: 504
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.037 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY014792.D

Acq: 25 Jul 2023 11:24

Instrument :

MSVOA_Y

ClientSampleId :

B-P11ARE

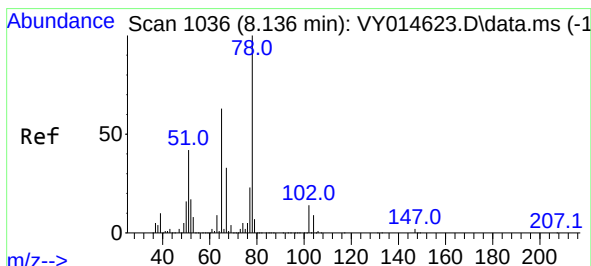
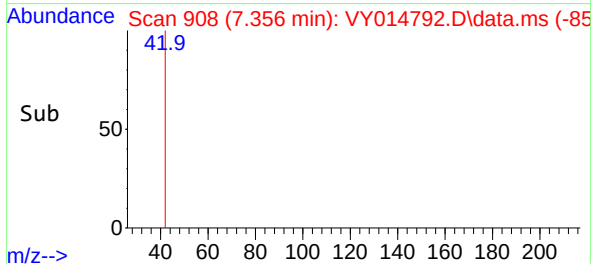
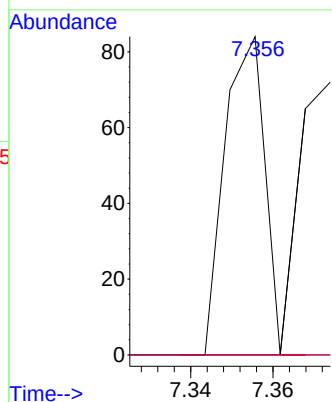
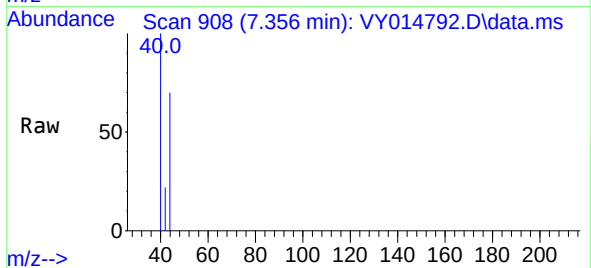
Tgt Ion: 42 Resp: 56

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 45.511 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY014792.D

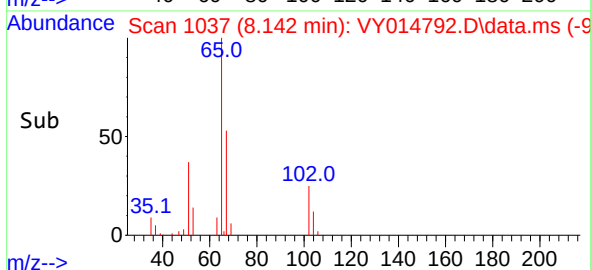
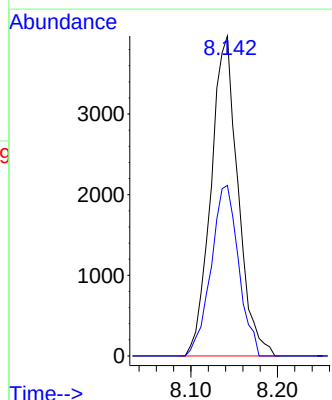
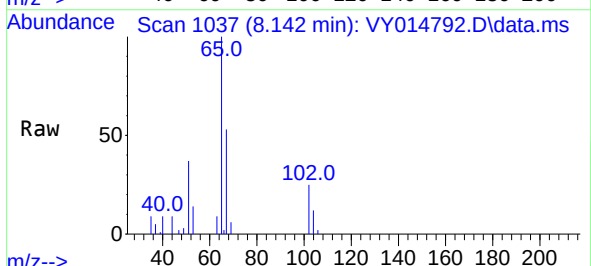
Acq: 25 Jul 2023 11:24

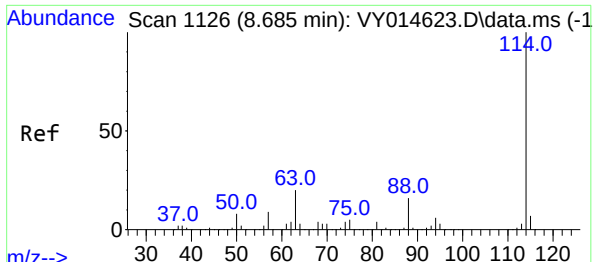
Tgt Ion: 65 Resp: 8607

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.8



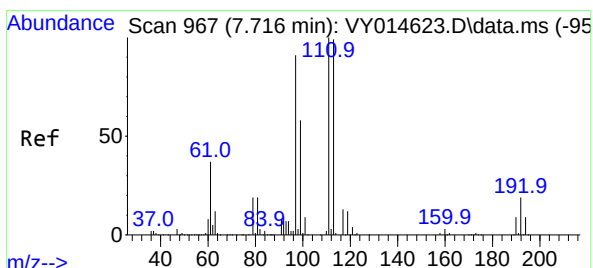
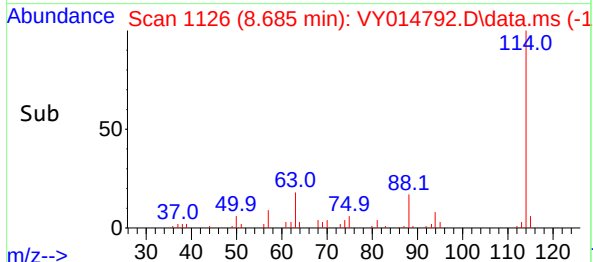
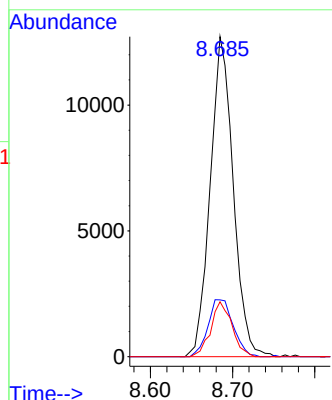
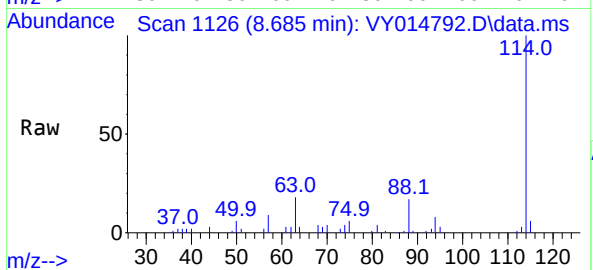


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

Tgt Ion:114 Resp: 24746

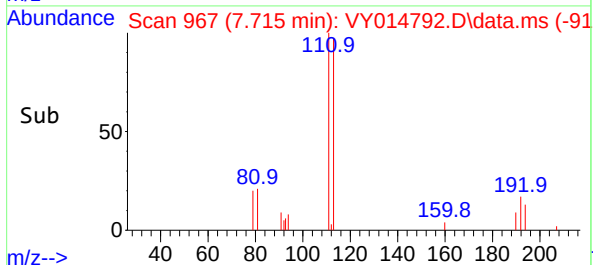
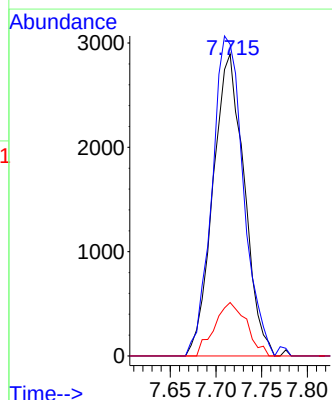
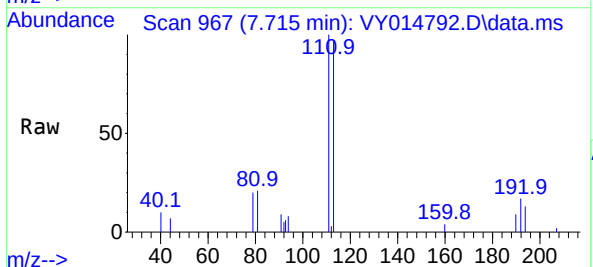
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	42.4
88	17.1	0.0	30.6

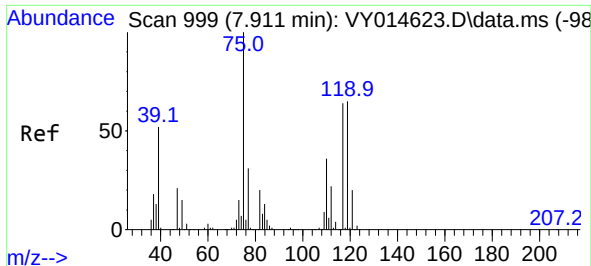


#35
Dibromofluoromethane
Concen: 43.593 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:113 Resp: 6867

Ion	Ratio	Lower	Upper
113	100		
111	106.7	81.3	121.9
192	18.3	16.9	25.3

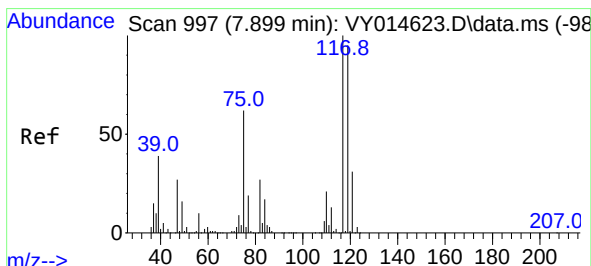
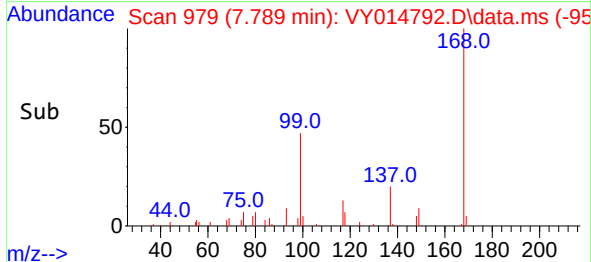
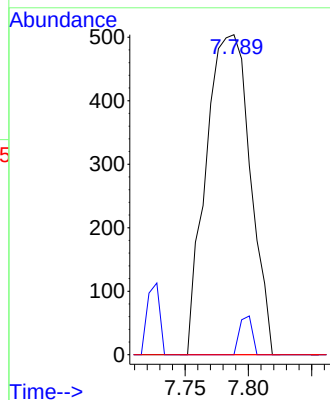
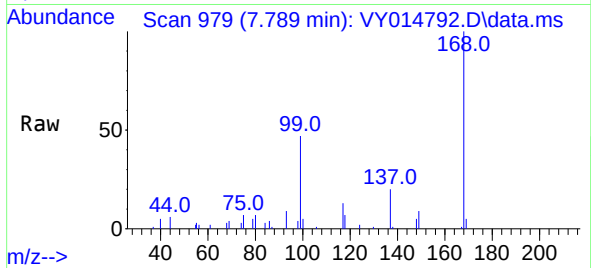




#36
1,1-Dichloropropene
Concen: 5.200 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.122 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

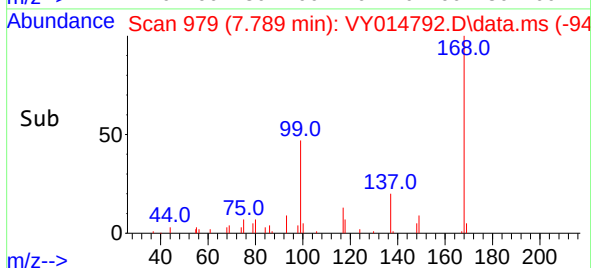
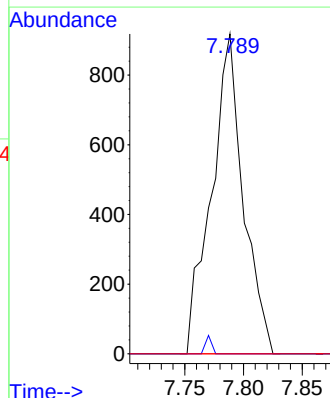
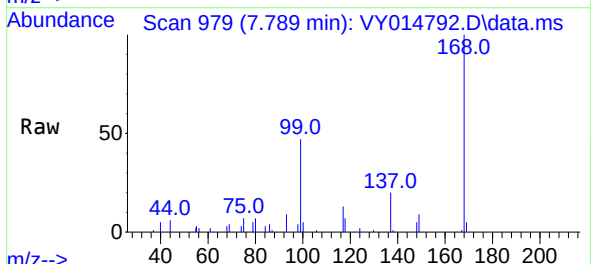
Instrument :
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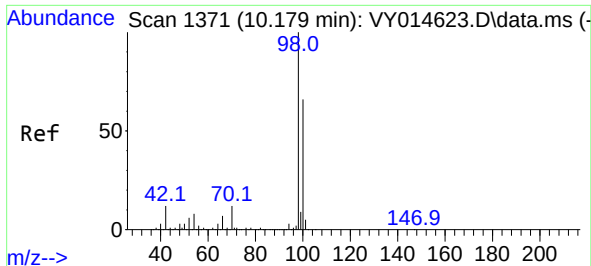
Tgt Ion: 75 Resp: 1225
Ion Ratio Lower Upper
75 100
110 3.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.963 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.111 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 117 Resp: 1734
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

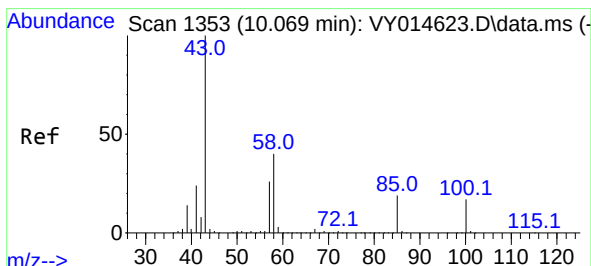
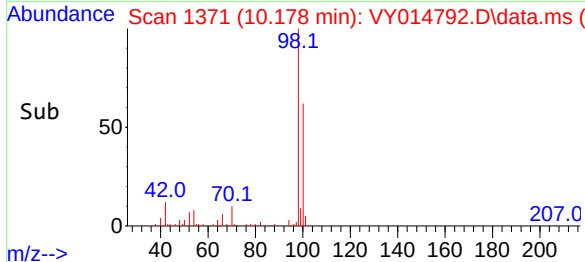
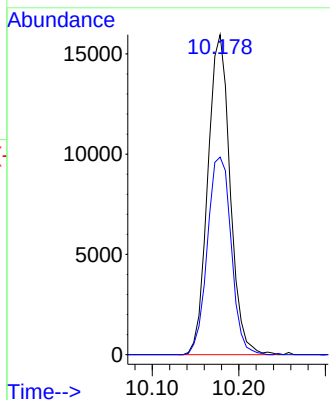
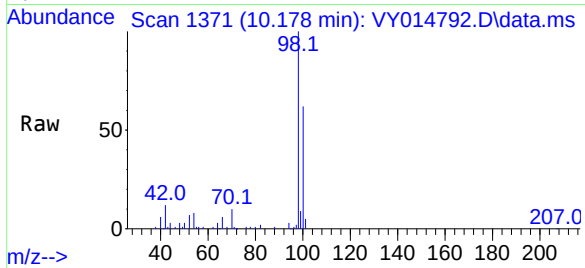




#50
Toluene-d8
Concen: 49.126 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

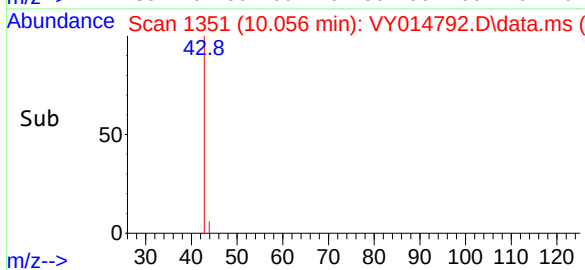
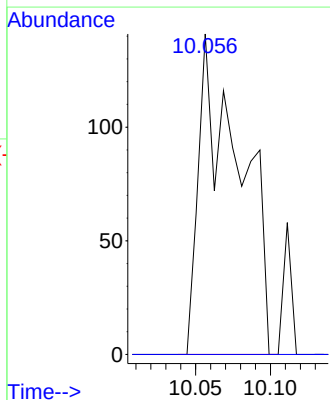
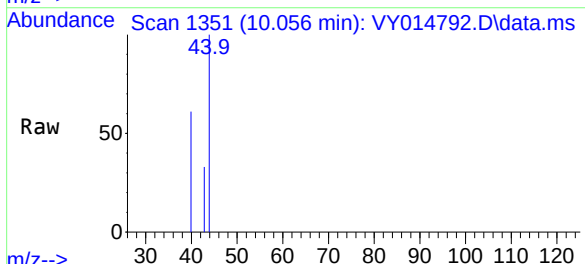
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

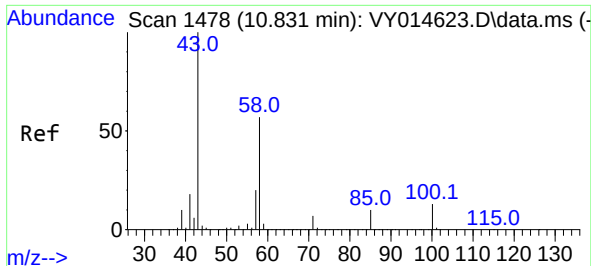
Tgt Ion: 98 Resp: 28531
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.646 ug/l
RT: 10.056 min Scan# 1351
Delta R.T. -0.013 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

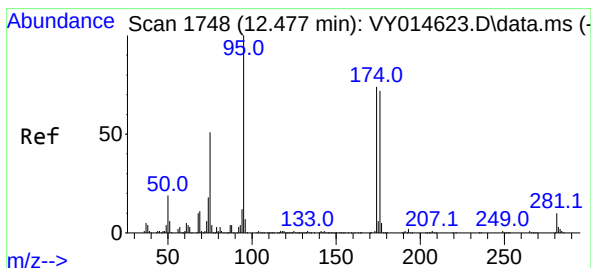
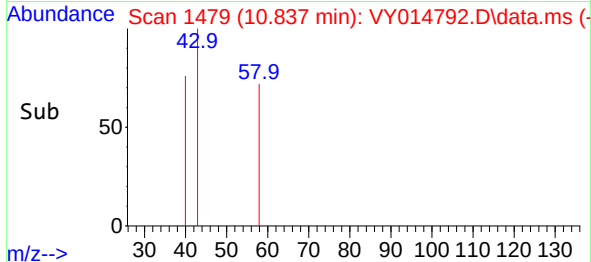
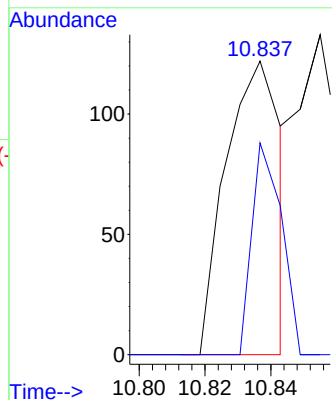
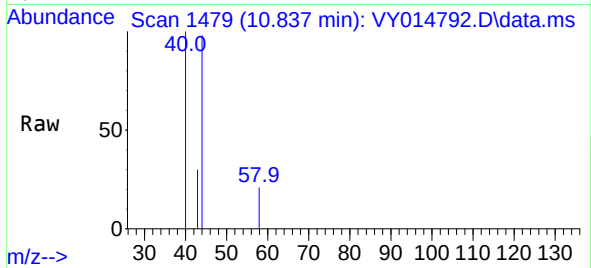




#59
2-Hexanone
Concen: 1.209 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

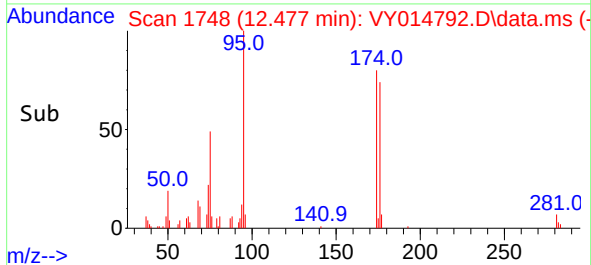
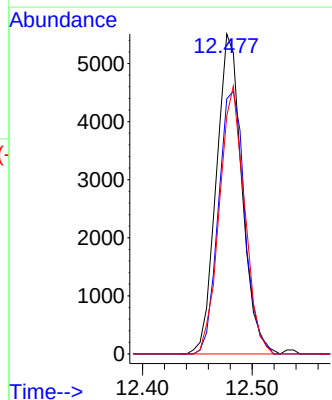
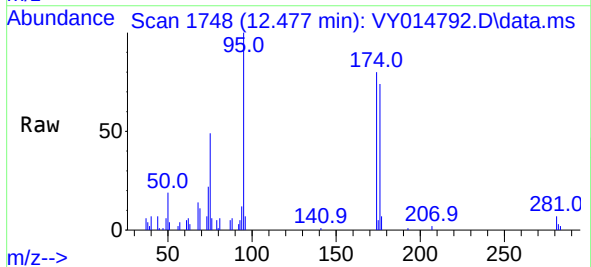
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

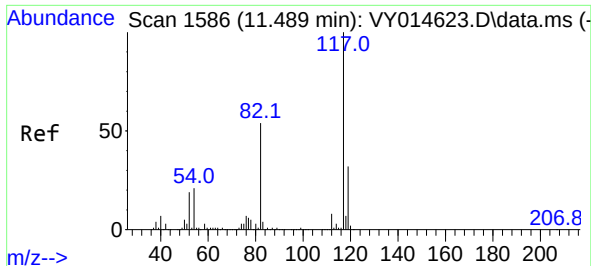
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 38.5 25.1 75.3



#62
4-Bromofluorobenzene
Concen: 40.155 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 95 Resp: 8942
Ion Ratio Lower Upper
95 100
174 84.2 0.0 178.2
176 81.9 0.0 173.8

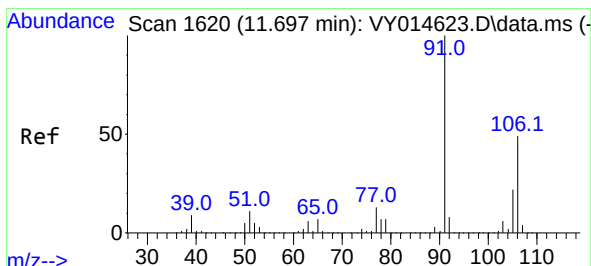
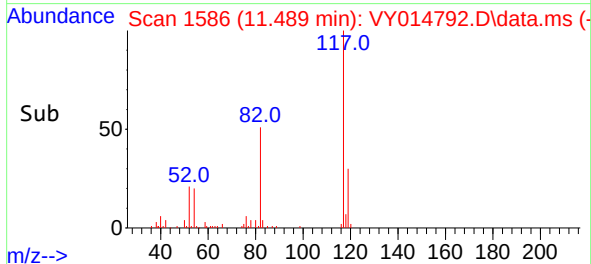
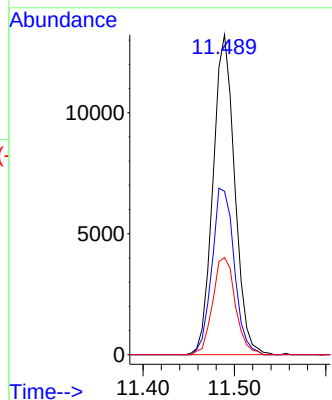
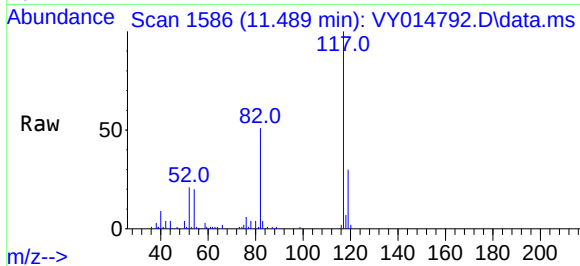




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

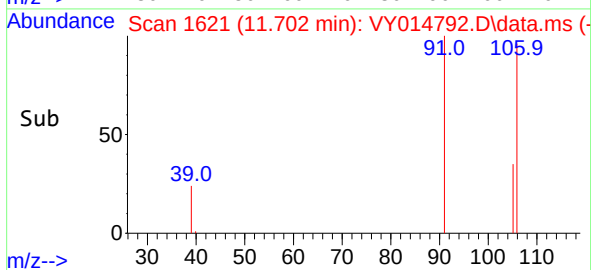
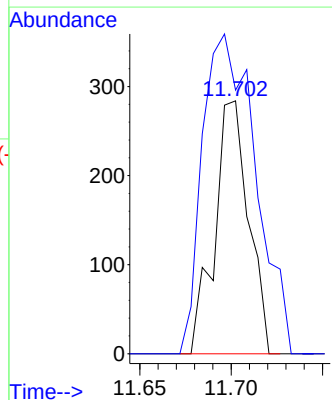
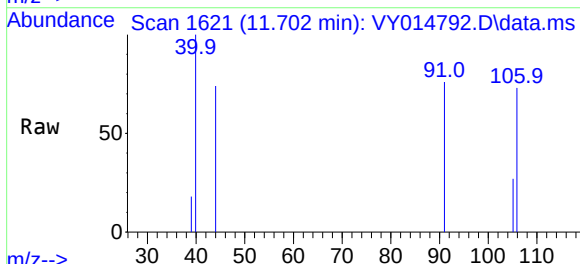
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

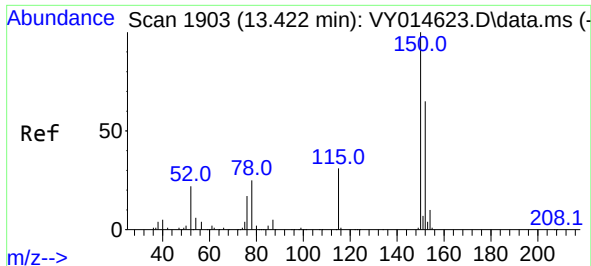
Tgt Ion:117 Resp: 21779
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 30.3 26.3 39.5



#68
m/p-Xylenes
Concen: 1.147 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. 0.005 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:106 Resp: 367
Ion Ratio Lower Upper
106 100
91 197.5 166.1 249.1

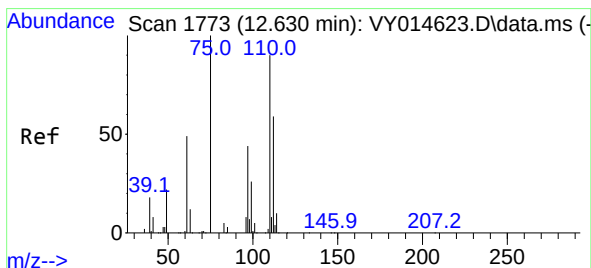
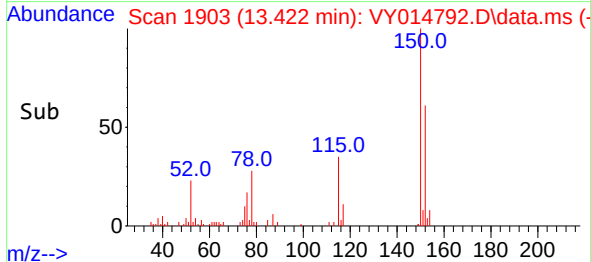
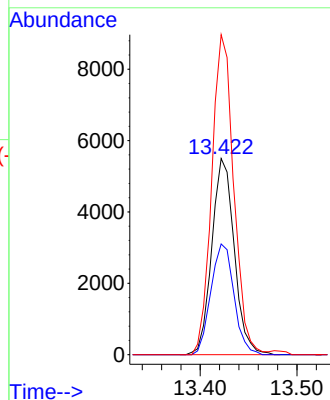
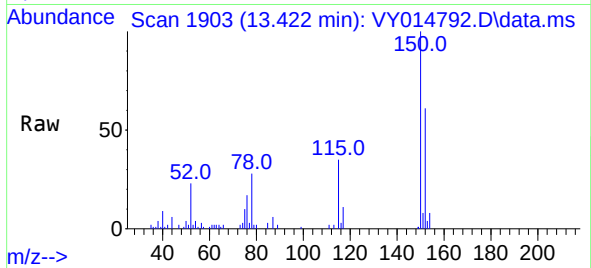




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

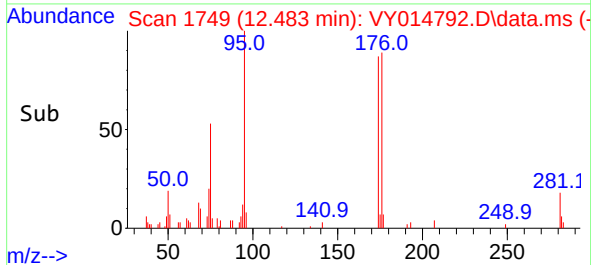
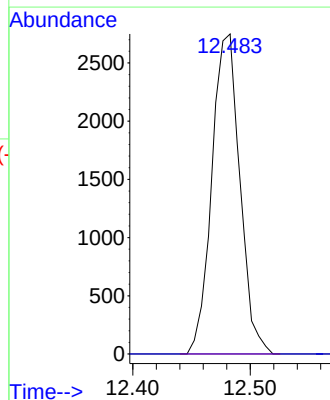
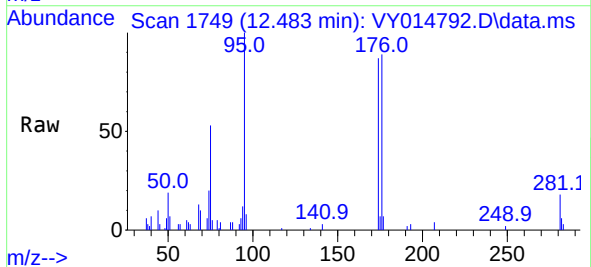
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

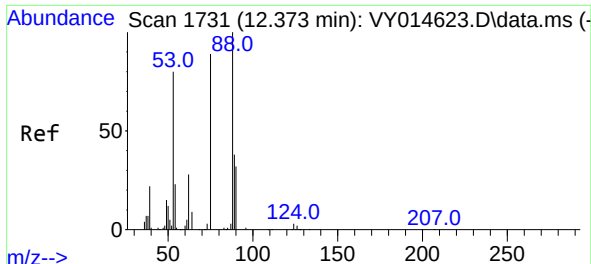
Tgt Ion:152 Resp: 8879
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 159.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.673 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 75 Resp: 4561
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

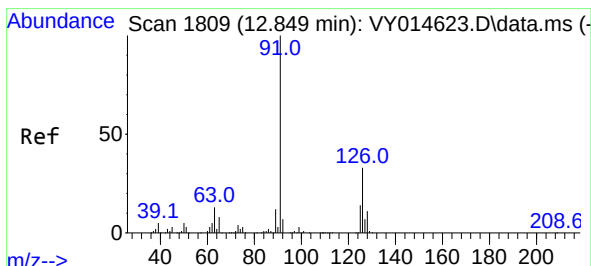
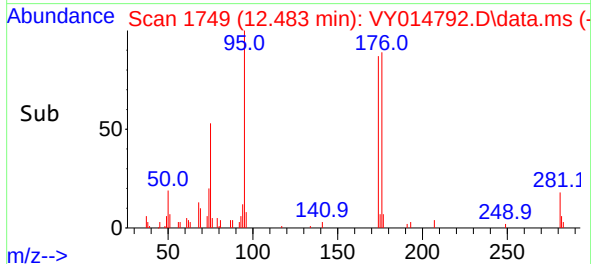
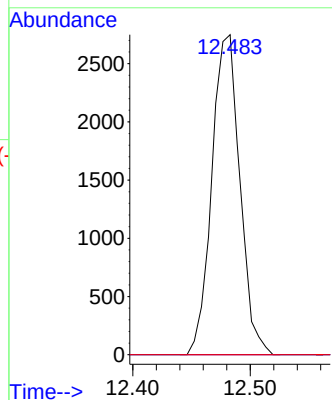
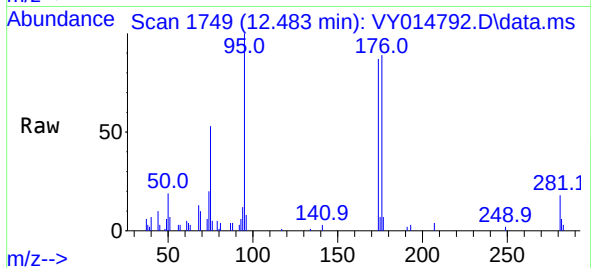




#81
trans-1,4-Dichloro-2-butene
Concen: 78.749 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

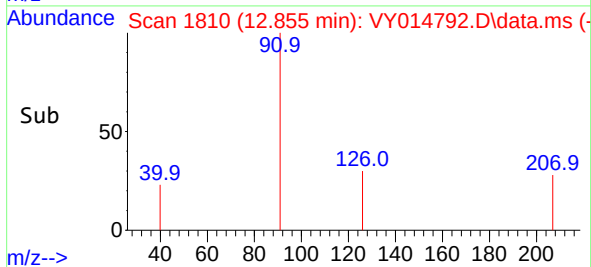
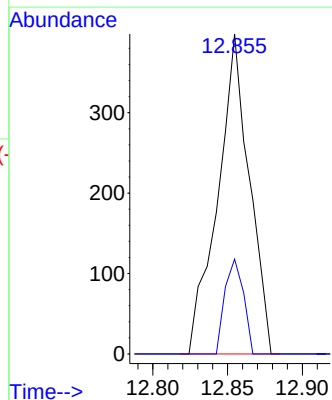
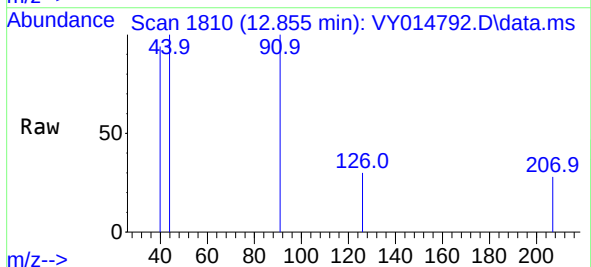
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

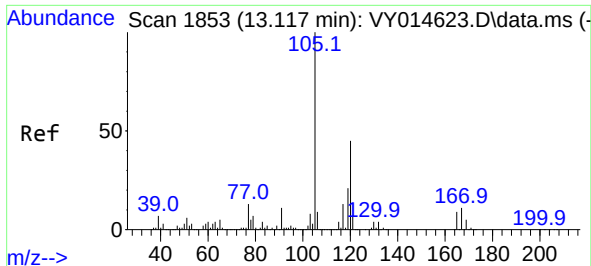
Tgt Ion: 75 Resp: 4561
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 1.175 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion: 91 Resp: 584
Ion Ratio Lower Upper
91 100
126 17.5 17.2 51.6

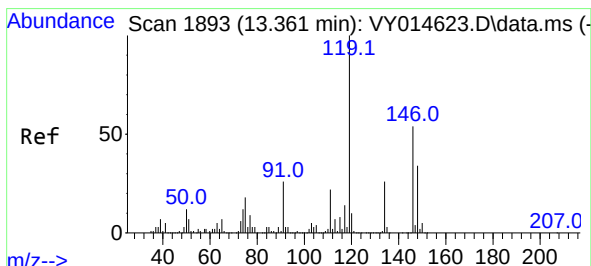
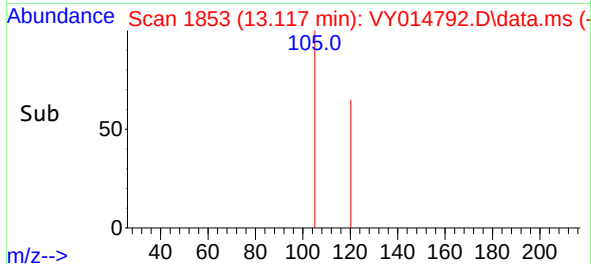
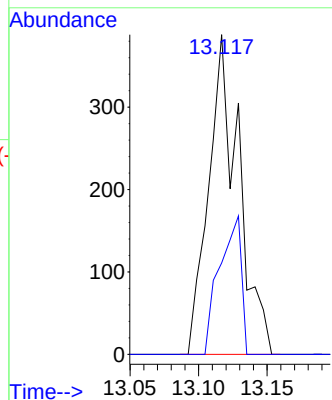
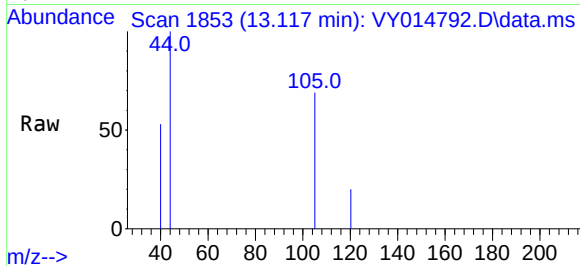




#84
1,2,4-Trimethylbenzene
Concen: 1.037 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

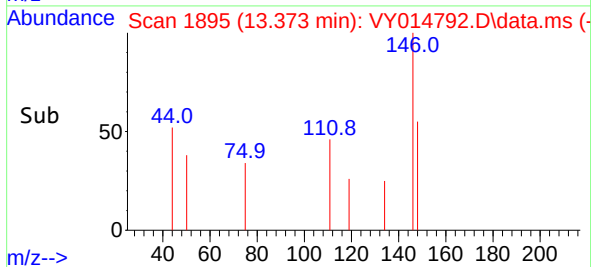
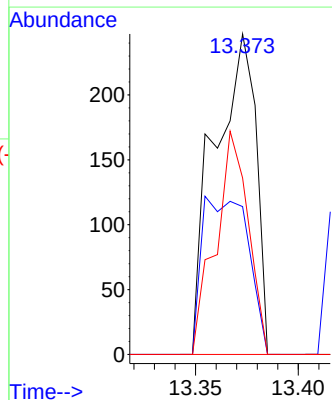
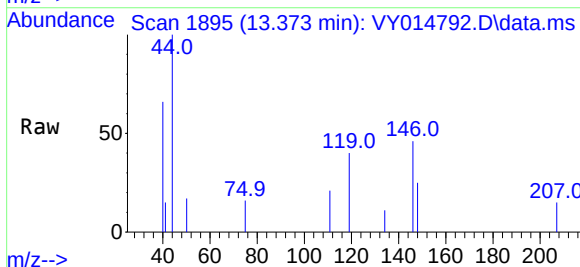
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

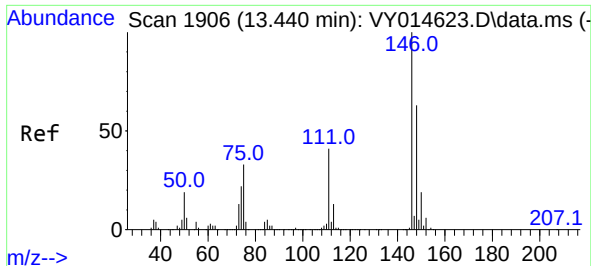
Tgt Ion:105 Resp: 591
Ion Ratio Lower Upper
105 100
120 31.5 22.2 66.6



#87
1,3-Dichlorobenzene
Concen: 1.123 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.012 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:146 Resp: 347
Ion Ratio Lower Upper
146 100
111 54.5 19.4 58.2
148 55.0 31.9 95.5

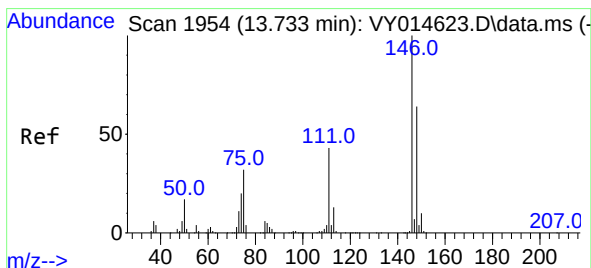
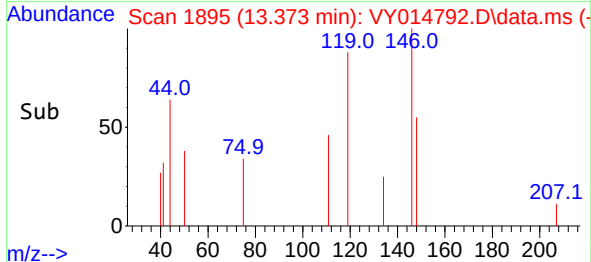
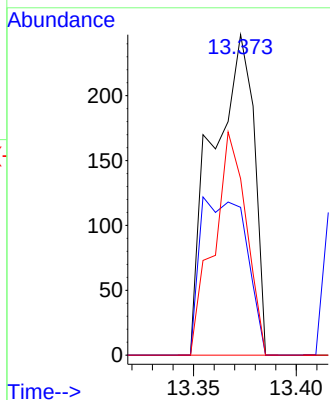
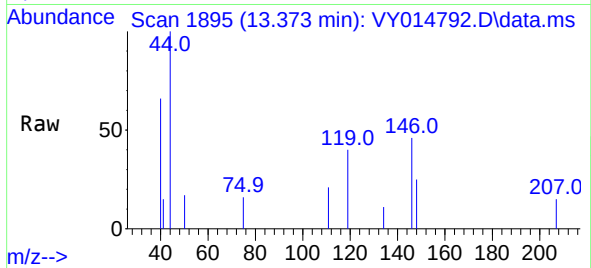




#88
1,4-Dichlorobenzene
Concen: 1.121 ug/l
RT: 13.373 min Scan# 11
Delta R.T. -0.067 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

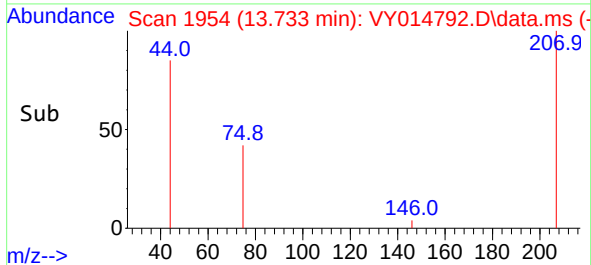
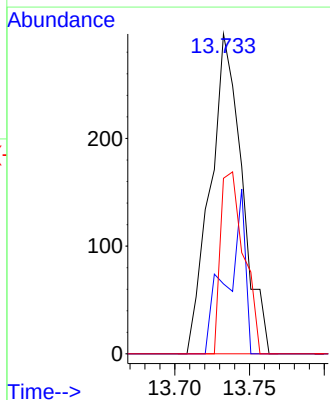
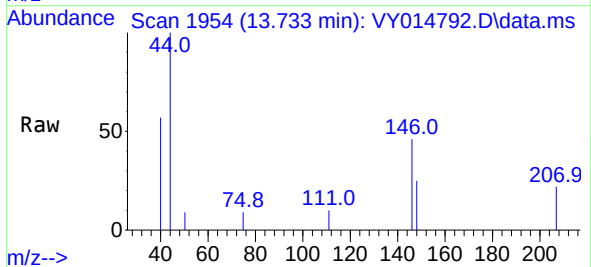
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

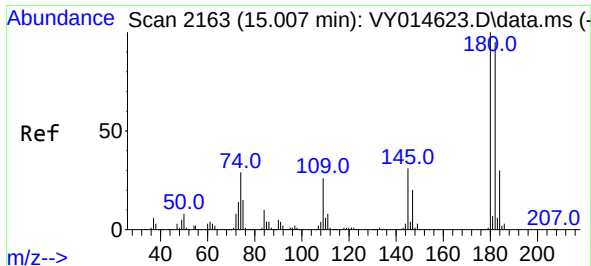
Tgt Ion:146 Resp: 347
Ion Ratio Lower Upper
146 100
111 54.5 18.9 56.7
148 55.0 32.1 96.5



#91
1,2-Dichlorobenzene
Concen: 1.548 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:146 Resp: 438
Ion Ratio Lower Upper
146 100
111 29.2 19.7 59.0
148 42.0 32.0 96.2

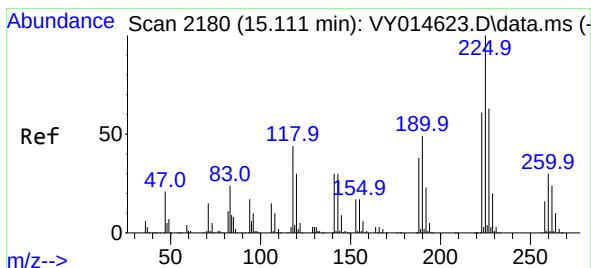
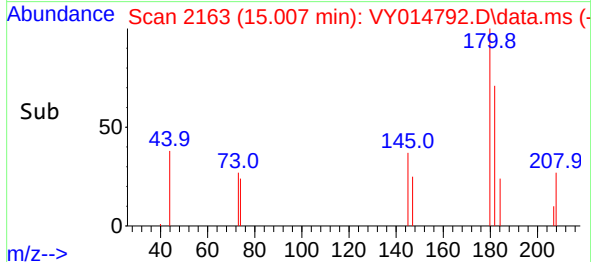
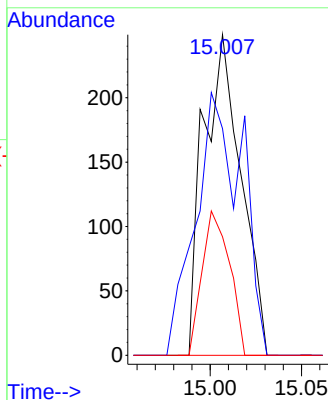
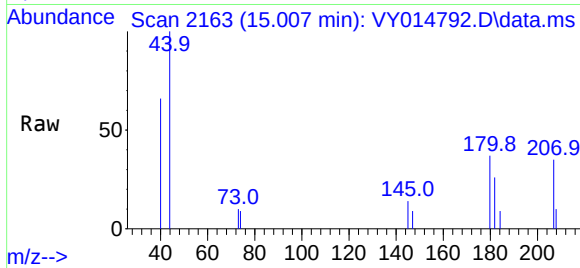




#93
1,2,4-Trichlorobenzene
Concen: 1.987 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

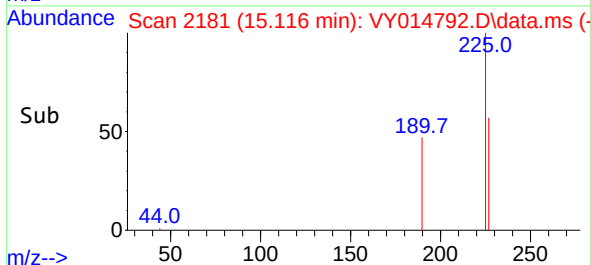
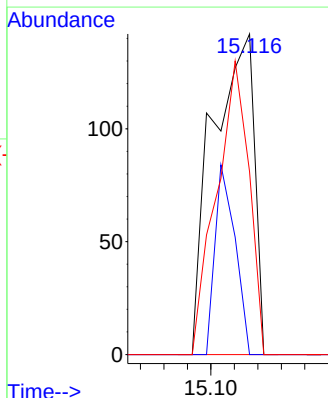
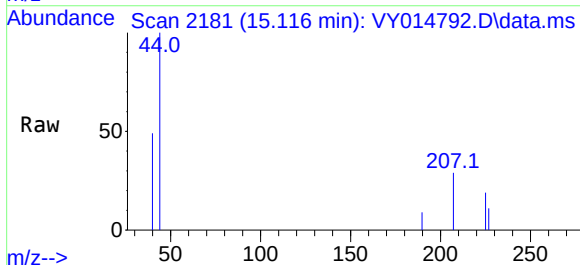
Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

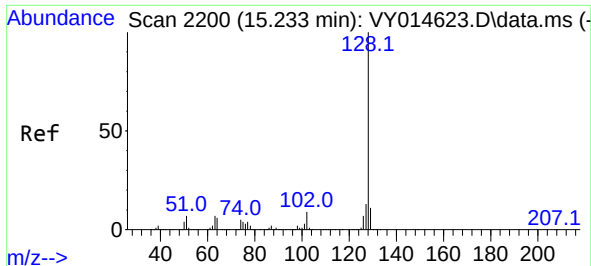
Tgt Ion:	180	Resp:	357
Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.0	141.2
145	32.8	14.5	43.5



#94
Hexachlorobutadiene
Concen: 1.763 ug/l
RT: 15.116 min Scan# 2181
Delta R.T. 0.005 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:	225	Resp:	174
Ion	Ratio	Lower	Upper
225	100		
223	28.7	31.9	95.9#
227	71.8	33.0	98.9

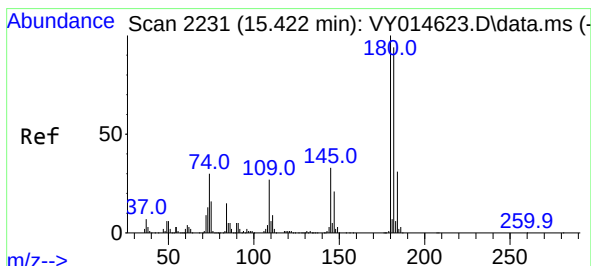
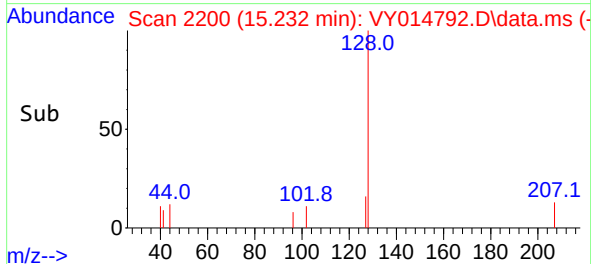
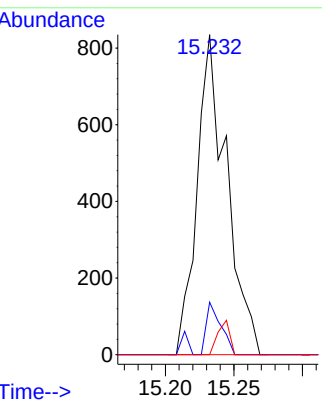
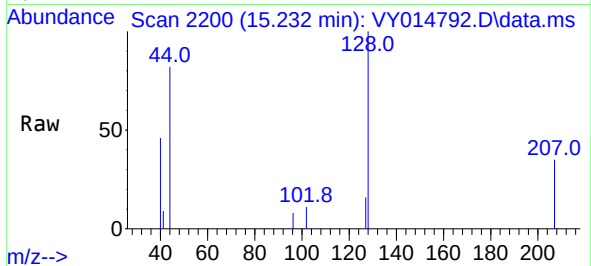




#95
Naphthalene
Concen: 2.992 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Instrument :
MSVOA_Y
ClientSampleId :
B-P11ARE

Tgt Ion:	128	Resp:	1252
Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.8	16.2#
129	4.4	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.800 ug/l
RT: 15.433 min Scan# 2233
Delta R.T. 0.011 min
Lab File: VY014792.D
Acq: 25 Jul 2023 11:24

Tgt Ion:	180	Resp:	447
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.8
145	20.8	15.4	46.2

