

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012110.D
 Acq On : 09 Jan 2023 15:00
 Operator : KP/MD
 Sample : 01064-02
 Misc : 6.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-02

Quant Time: Jan 10 01:47:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

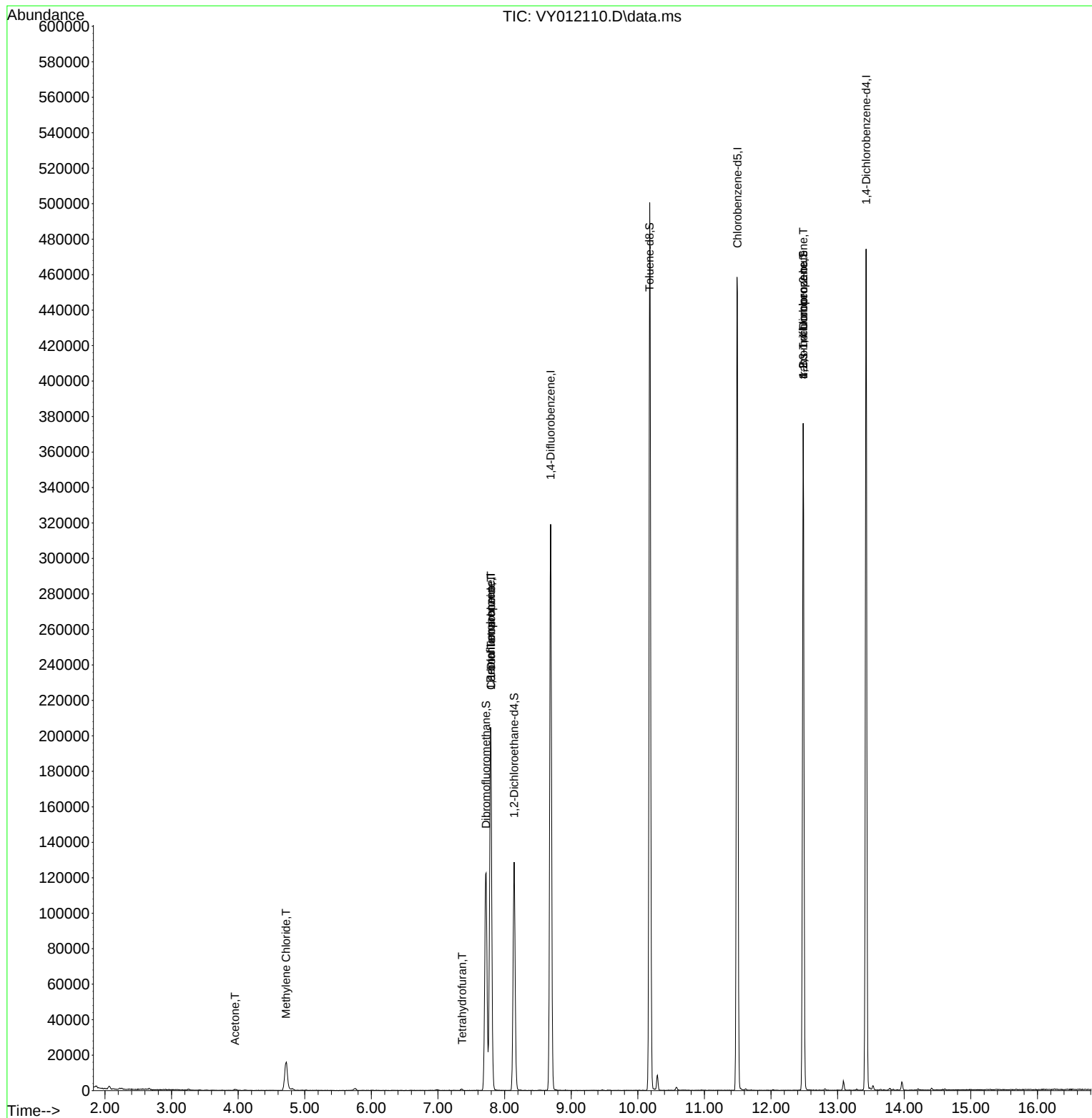
Internal Standards						
1) Pentafluorobenzene	7.789	168	162171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	264718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	104505	57.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.700%	
35) Dibromofluoromethane	7.722	113	84943	46.660	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.320%	
50) Toluene-d8	10.178	98	330607	46.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.020%	
62) 4-Bromofluorobenzene	12.483	95	107918	42.967	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	28	Below Cal	#	41
3) Chloromethane	2.125	50	183	Below Cal	#	41
5) Bromomethane	2.662	94	170	Below Cal		97
11) Tert butyl alcohol	4.942	59	44	Below Cal	#	74
16) Acetone	3.954	43	948	2.212	ug/l	91
20) Methylene Chloride	4.716	84	12561	1.150	ug/l	91
29) Tetrahydrofuran	7.362	42	480	1.454	ug/l	94
31) Cyclohexane	7.795	56	2996	Below Cal	#	7
36) 1,1-Dichloropropene	7.795	75	11305	4.093	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16066	4.583	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	59200	42.213	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59200	93.748	ug/l #	13

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

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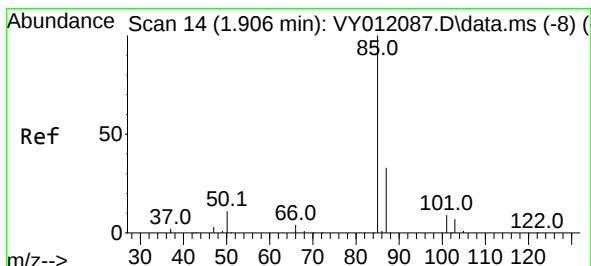
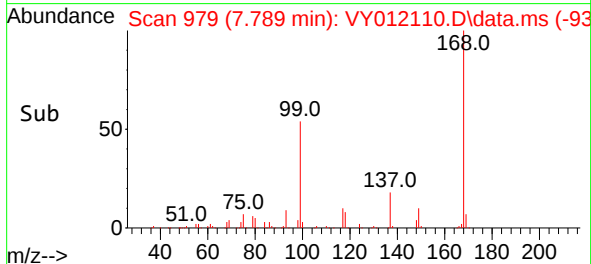
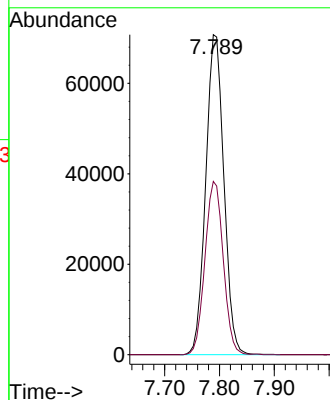
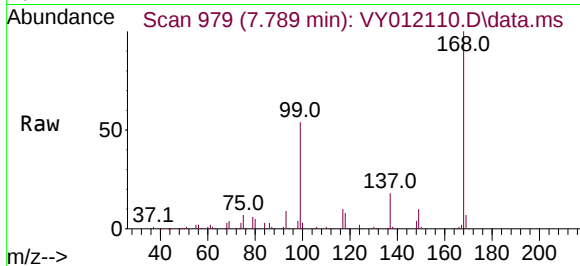




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

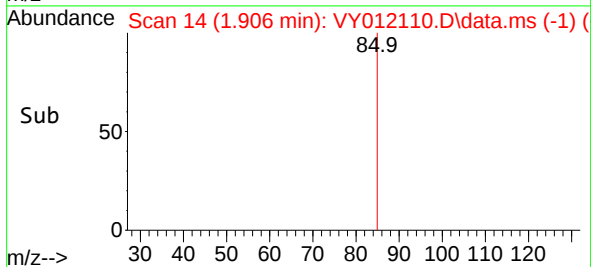
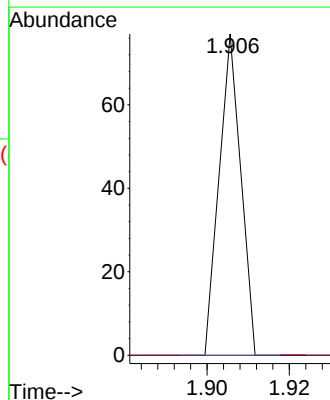
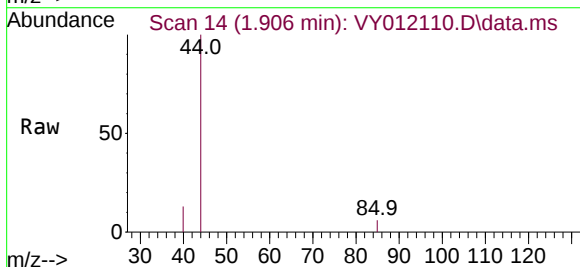
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

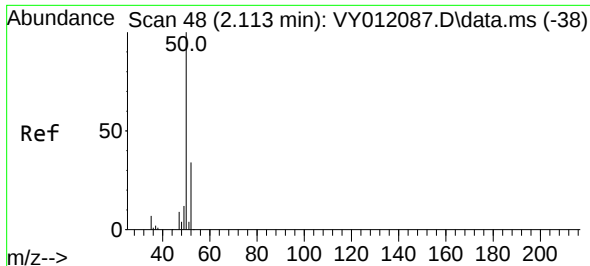
Tgt Ion:168 Resp: 162171
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 85 Resp: 28
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

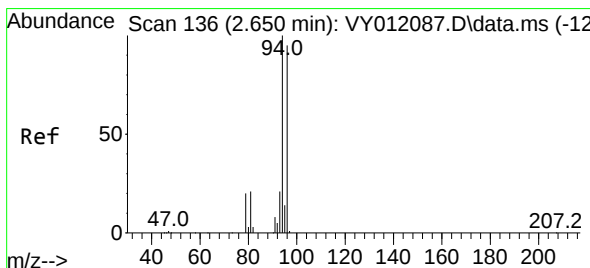
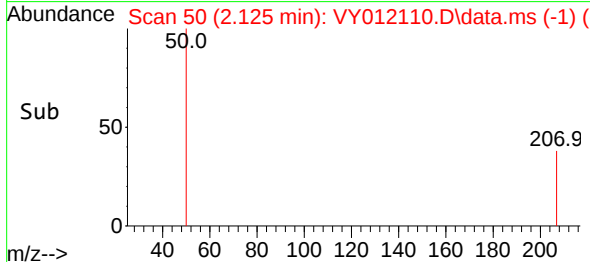
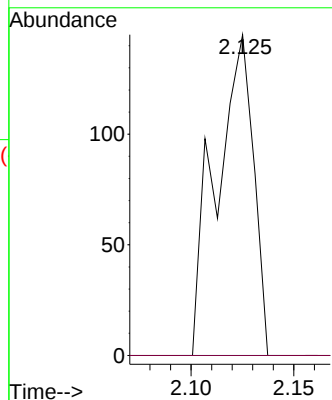
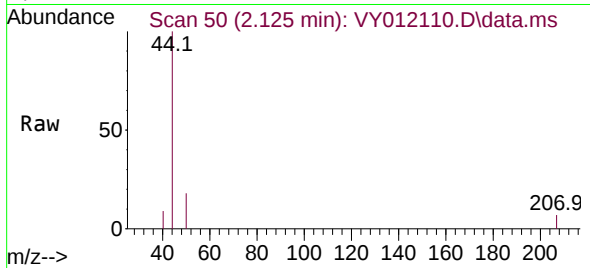




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

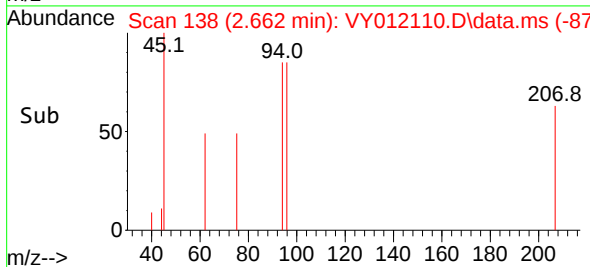
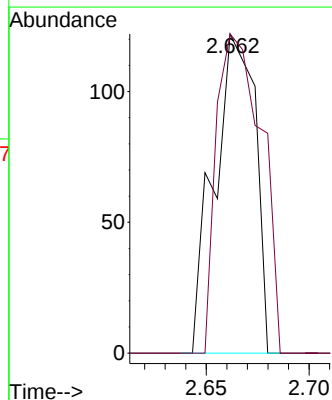
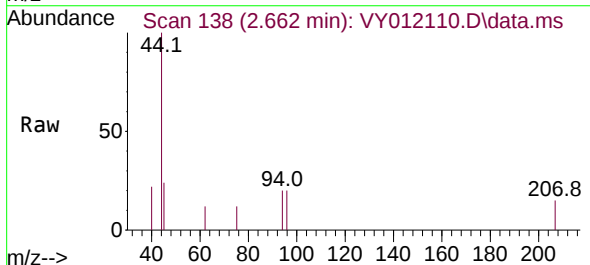
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

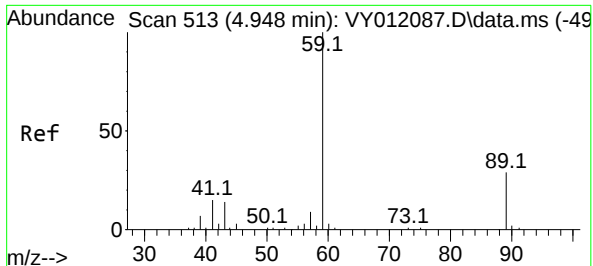
Tgt Ion: 50 Resp: 183
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 100.0 77.4 116.2

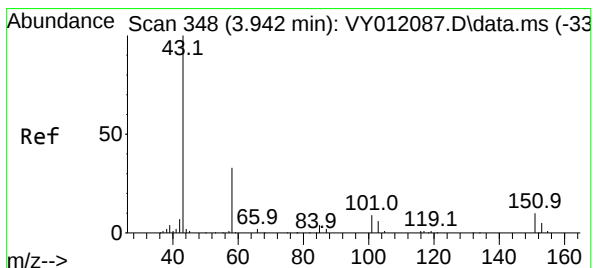
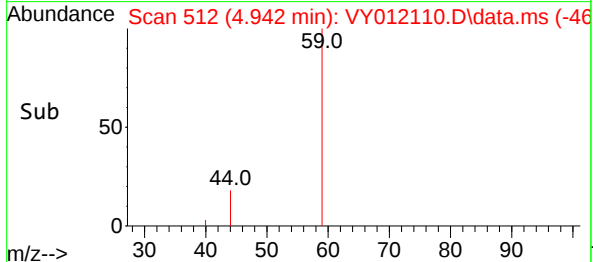
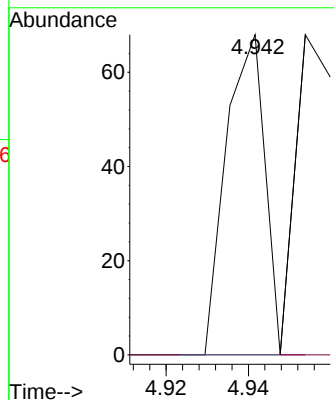
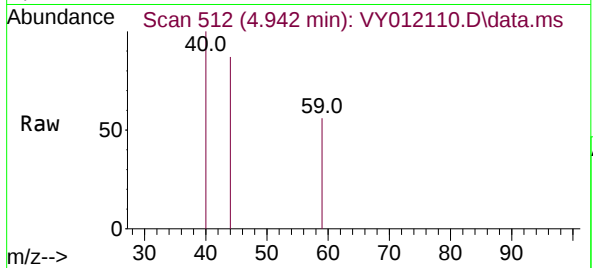




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

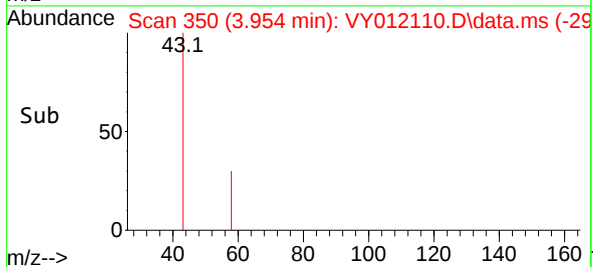
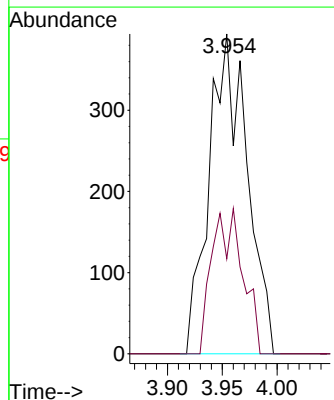
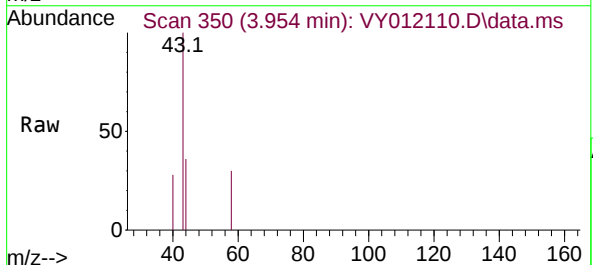
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

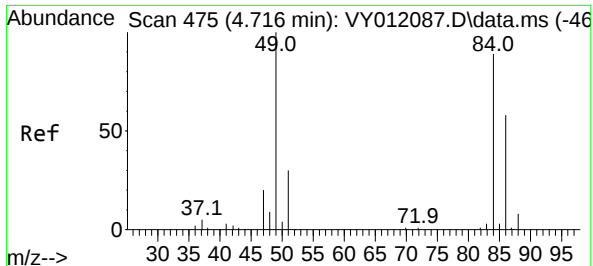
Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 2.212 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
58 29.7 27.9 41.9



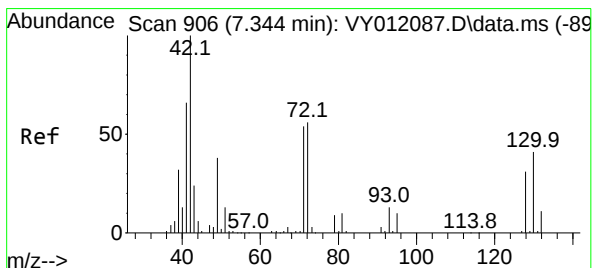
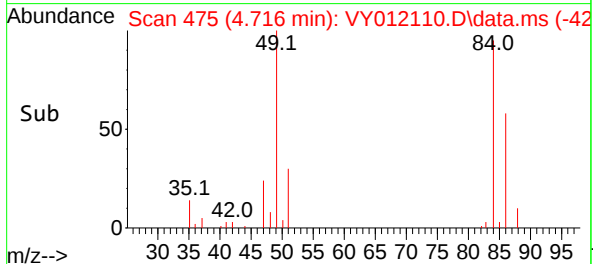
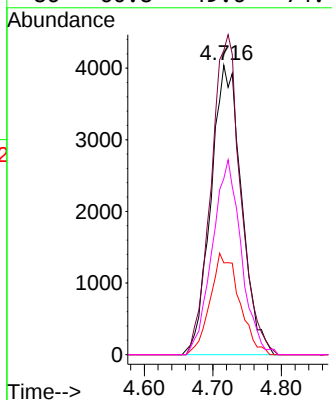
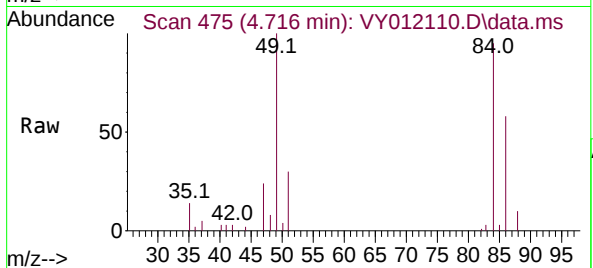


#20
Methylene Chloride
Concen: 1.150 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Instrument :
MSVOA_Y
ClientSampleId :
S4-02

Tgt Ion: 84 Resp: 12561

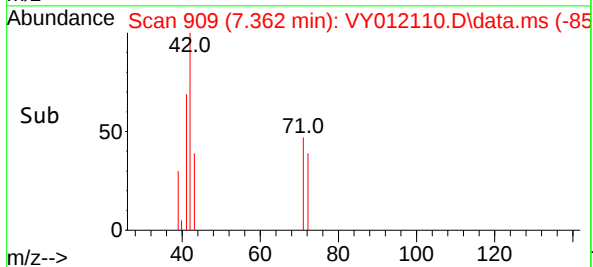
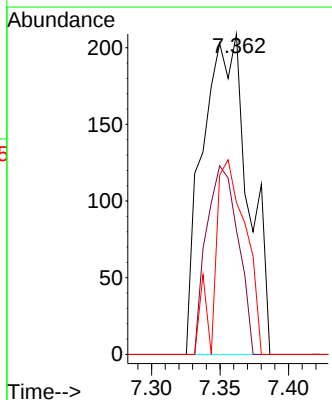
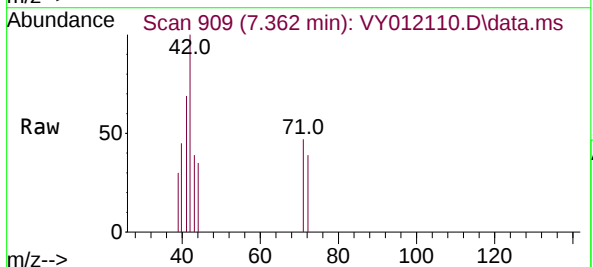
Ion	Ratio	Lower	Upper
84	100		
49	105.1	95.4	143.2
51	31.7	29.9	44.9
86	60.8	49.6	74.4

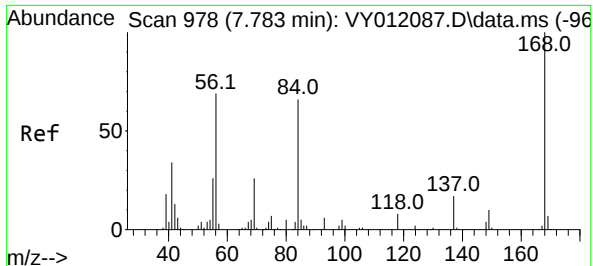


#29
Tetrahydrofuran
Concen: 1.454 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 42 Resp: 480

Ion	Ratio	Lower	Upper
42	100		
72	41.0	37.0	55.6
71	41.5	34.9	52.3

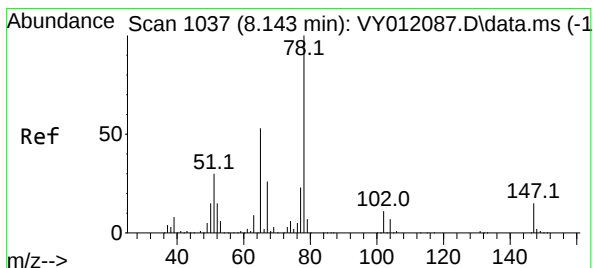
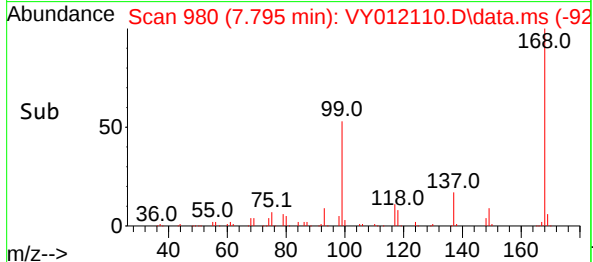
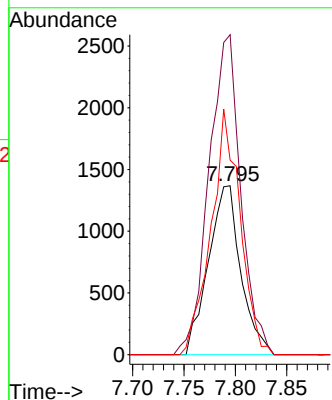
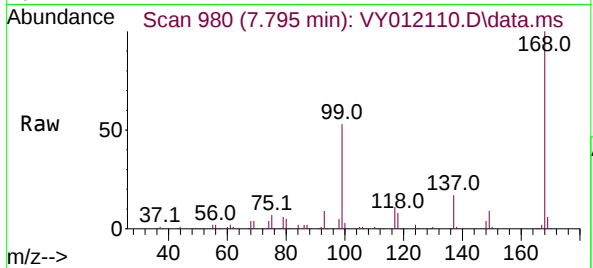




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

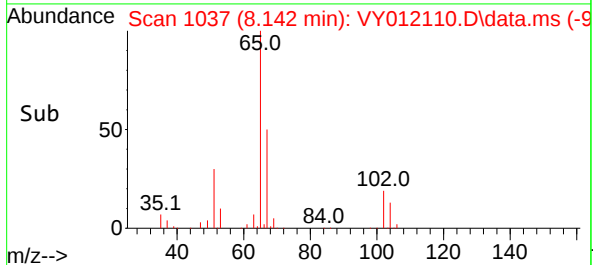
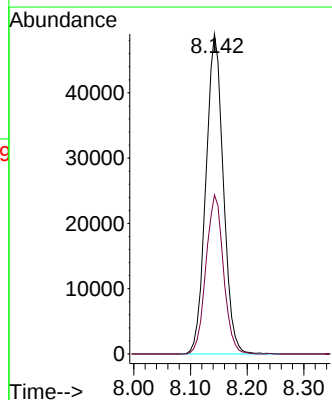
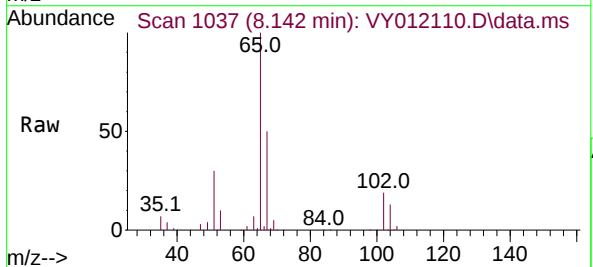
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

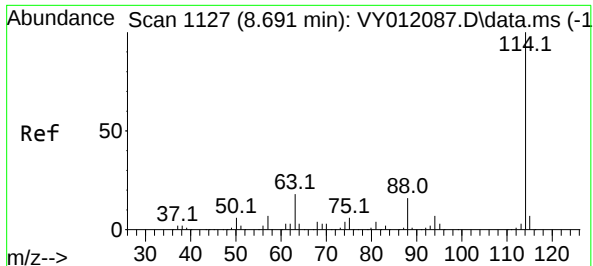
Tgt Ion: 56 Resp: 2996
Ion Ratio Lower Upper
56 100
69 189.3 29.2 43.8#
84 115.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.349 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 65 Resp: 104505
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012110.D

Acq: 09 Jan 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

S4-02

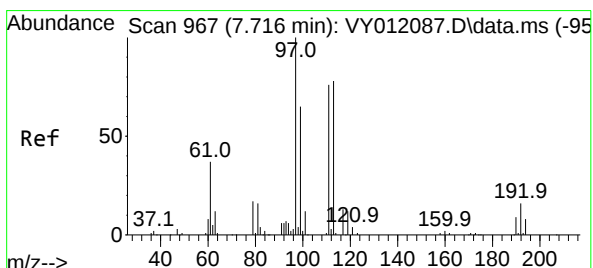
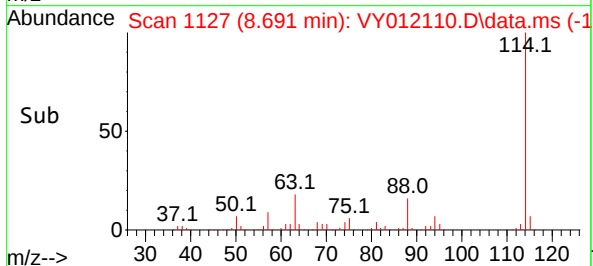
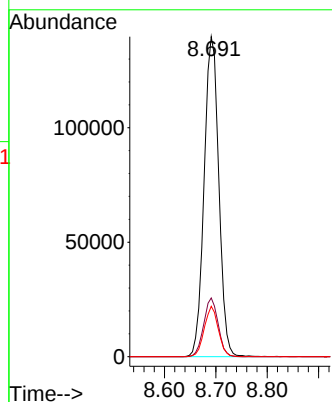
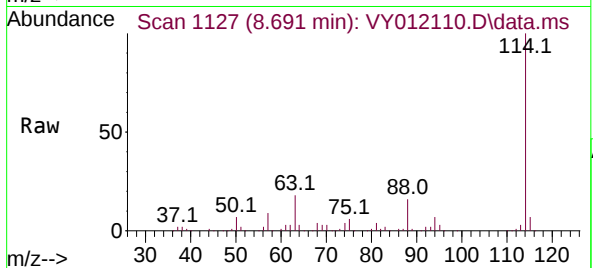
Tgt Ion:114 Resp: 276970

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.660 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012110.D

Acq: 09 Jan 2023 15:00

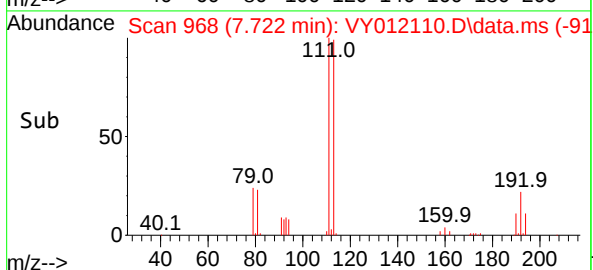
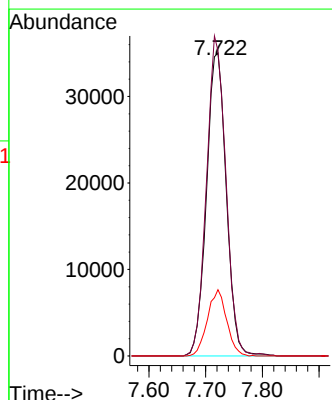
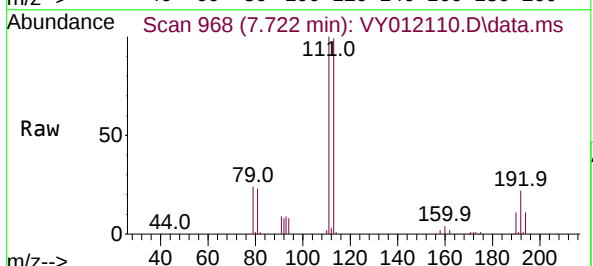
Tgt Ion:113 Resp: 84943

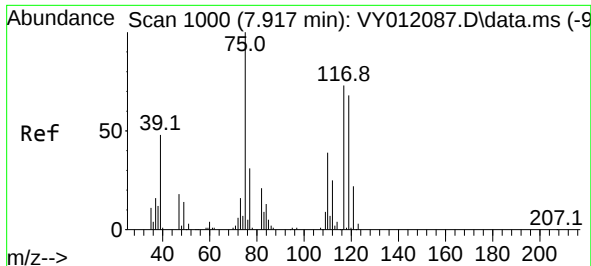
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 21.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.093 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY012110.D

Acq: 09 Jan 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

S4-02

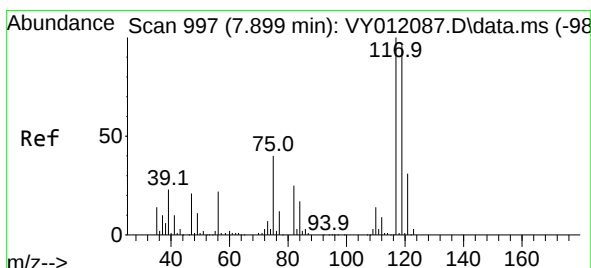
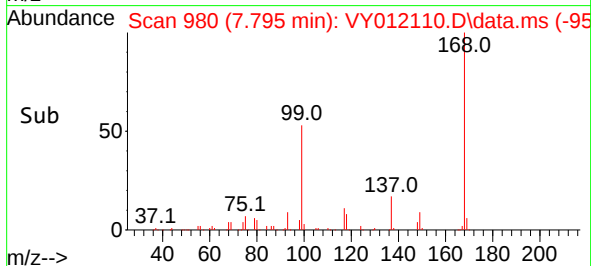
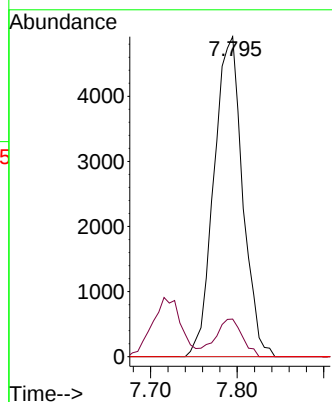
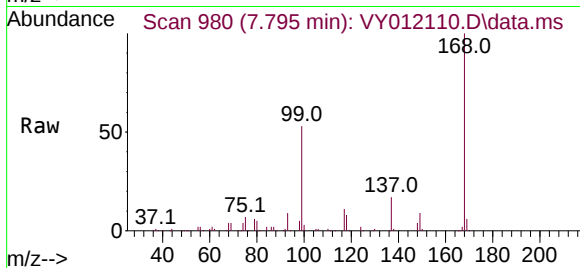
Tgt Ion: 75 Resp: 11305

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.583 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012110.D

Acq: 09 Jan 2023 15:00

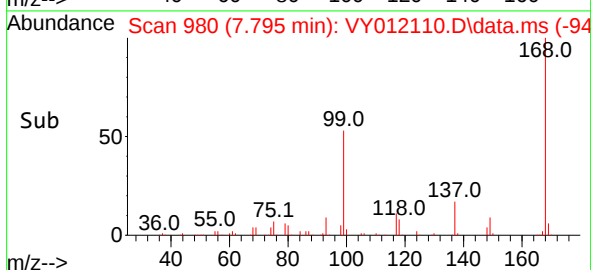
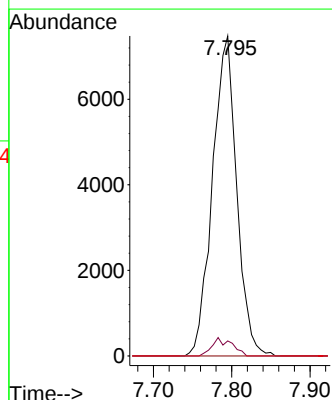
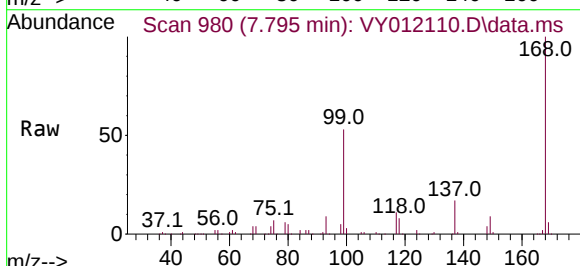
Tgt Ion: 117 Resp: 16066

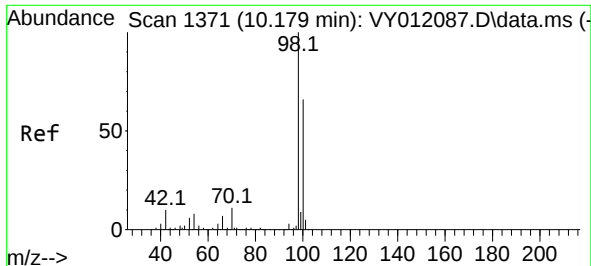
Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

121 0.0 25.2 37.8#

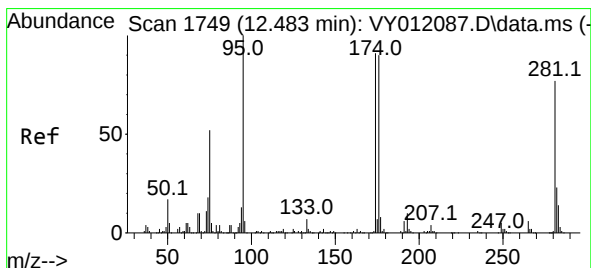
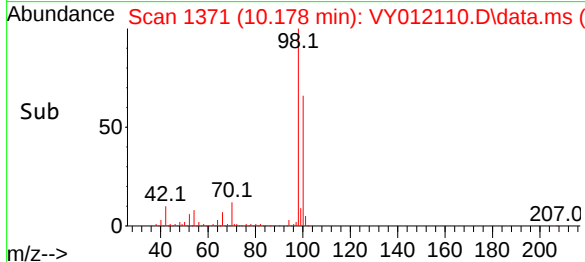
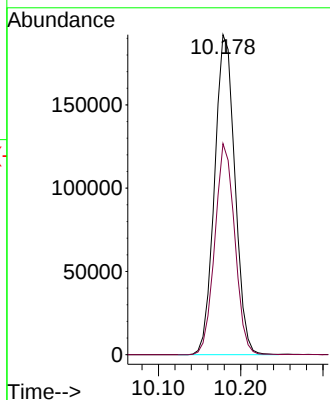
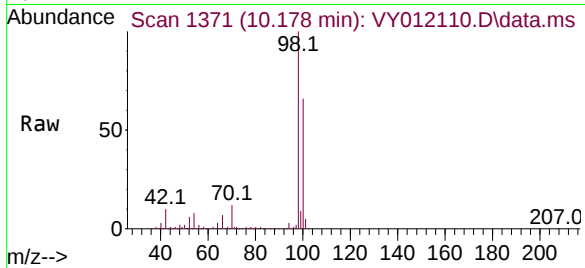




#50
Toluene-d8
Concen: 46.010 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

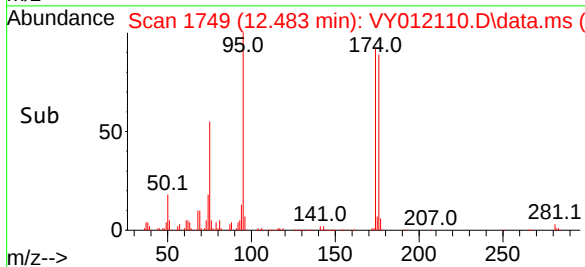
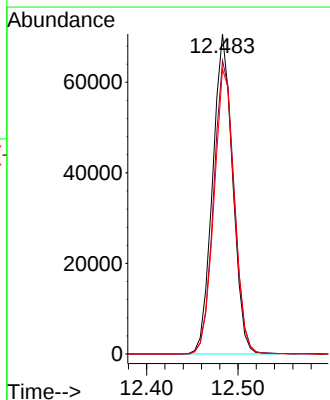
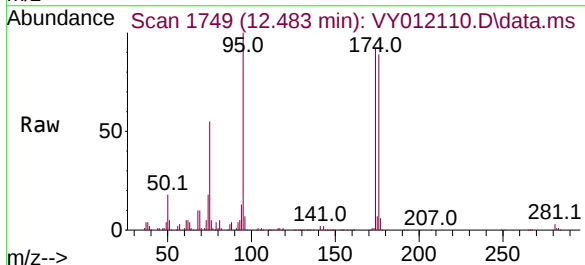
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

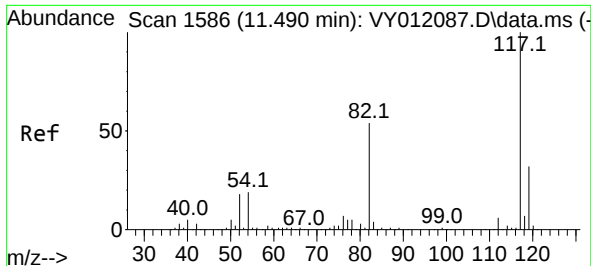
Tgt Ion: 98 Resp: 330607
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.967 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 95 Resp: 107918
Ion Ratio Lower Upper
95 100
174 93.7 0.0 172.0
176 89.9 0.0 167.6

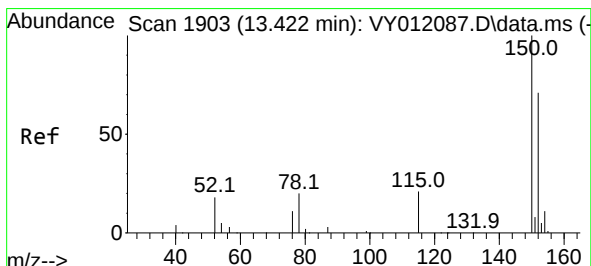
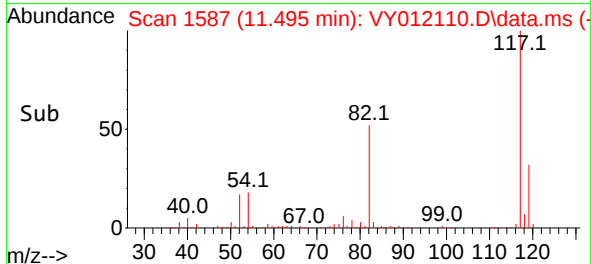
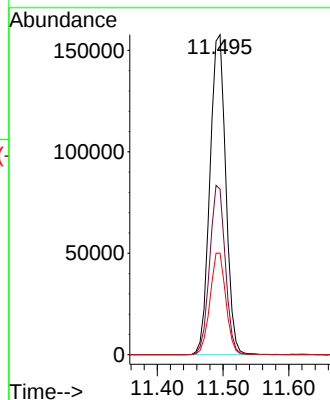
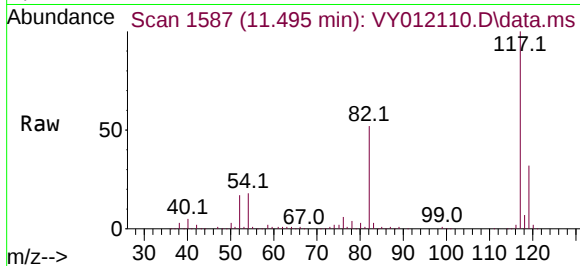




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

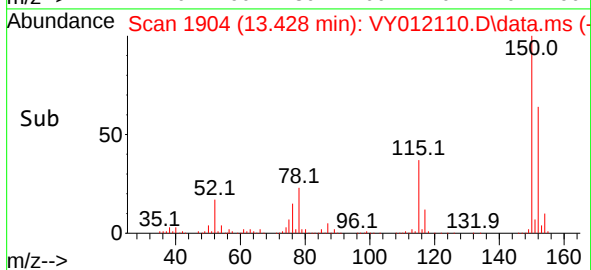
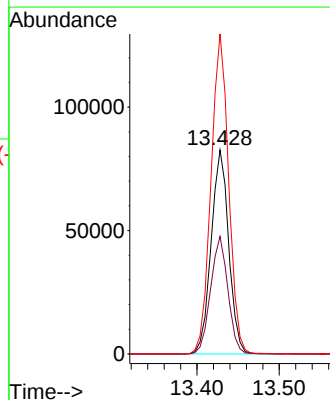
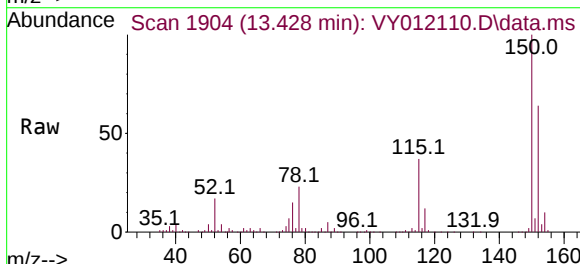
Instrument :
MSVOA_Y
ClientSampleId :
S4-02

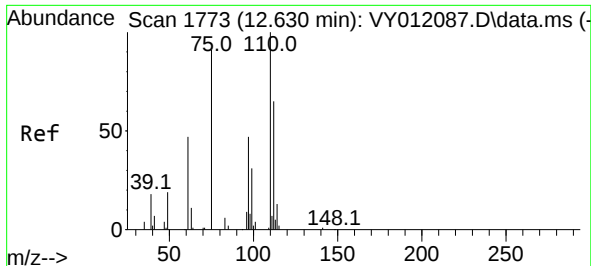
Tgt Ion:117 Resp: 264718
Ion Ratio Lower Upper
117 100
82 51.8 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion:152 Resp: 122825
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 157.3 0.0 342.6

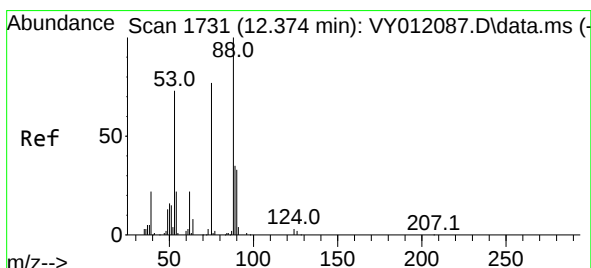
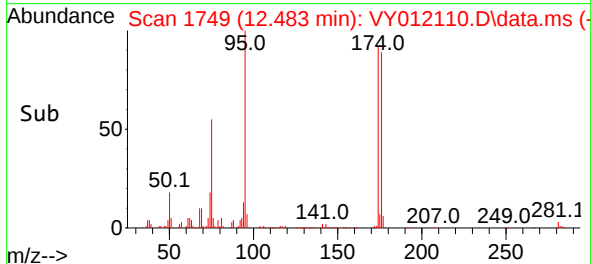
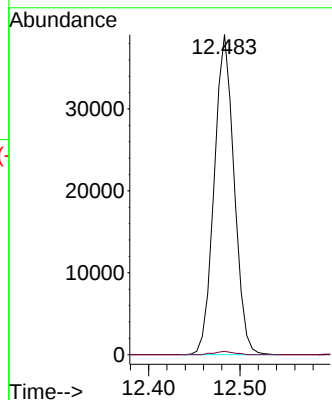
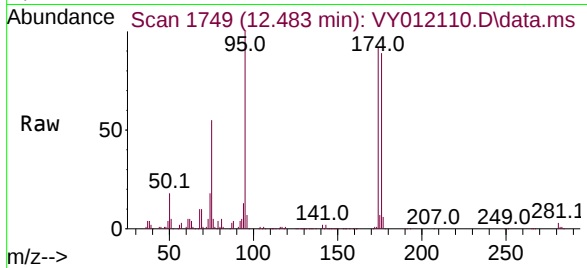




#76
1,2,3-Trichloropropane
Concen: 42.213 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Instrument :
MSVOA_Y
ClientSampleId :
S4-02

Tgt Ion: 75 Resp: 59200
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012110.D
Acq: 09 Jan 2023 15:00

Tgt Ion: 75 Resp: 59200
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

