

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011223\
 Data File : VY012172.D
 Acq On : 12 Jan 2023 12:50
 Operator : KP/MD
 Sample : 01081-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31965

Quant Time: Jan 12 13:36:52 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	236342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	400489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	371331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171493	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	128454	48.370	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.740%
35) Dibromofluoromethane	7.716	113	120395	45.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.480%
50) Toluene-d8	10.179	98	472743	45.500	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.000%
62) 4-Bromofluorobenzene	12.483	95	155843	42.911	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.820%

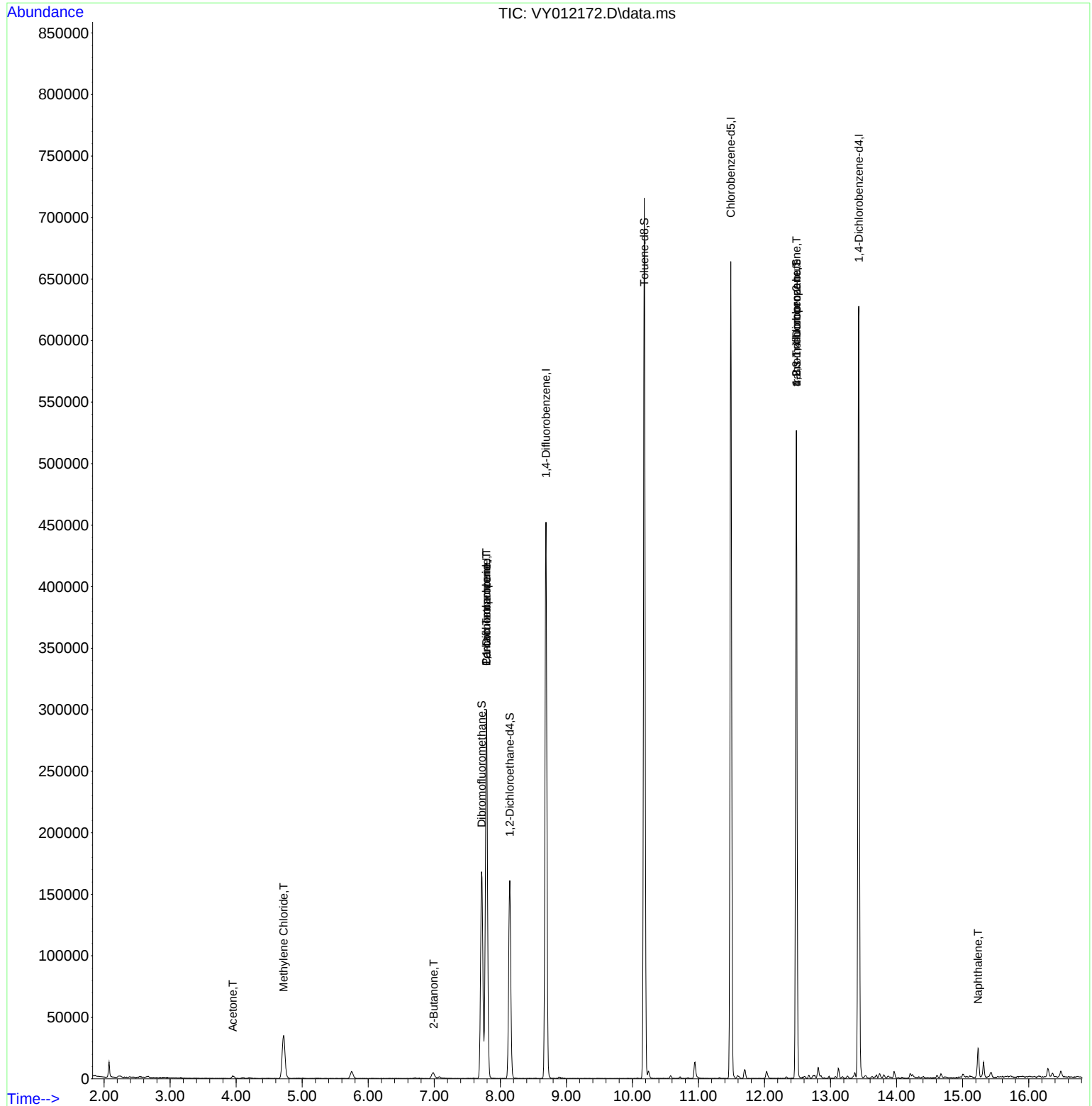
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.912	85	69	Below Cal	#	41
3) Chloromethane	2.113	50	419	Below Cal	#	74
5) Bromomethane	2.668	94	500	Below Cal		99
11) Tert butyl alcohol	4.936	59	260	Below Cal	#	74
16) Acetone	3.948	43	3396	5.436	ug/l	92
17) Carbon Disulfide	4.192	76	322	Below Cal	#	75
20) Methylene Chloride	4.716	84	28958	5.725	ug/l	89
25) 2-Butanone	6.990	43	1512	1.834	ug/l	95
31) Cyclohexane	7.789	56	4404	Below Cal	#	3
36) 1,1-Dichloropropene	7.789	75	16500	4.132	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	23103	4.558	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	79376	40.537	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	79376	90.027	ug/l	# 13
95) Naphthalene	15.233	128	21548	3.022	ug/l	99

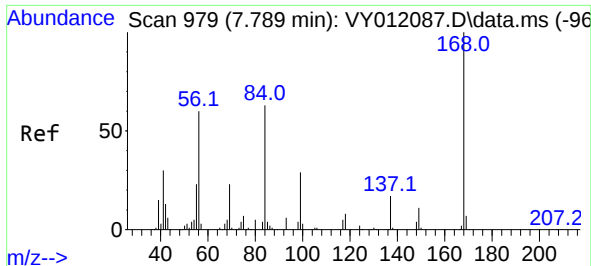
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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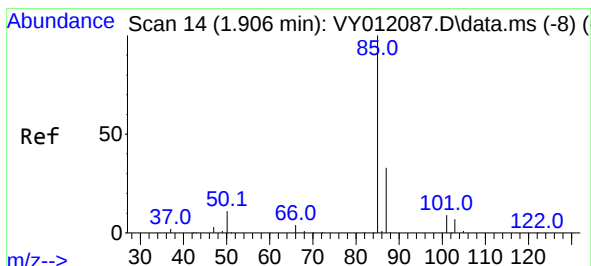
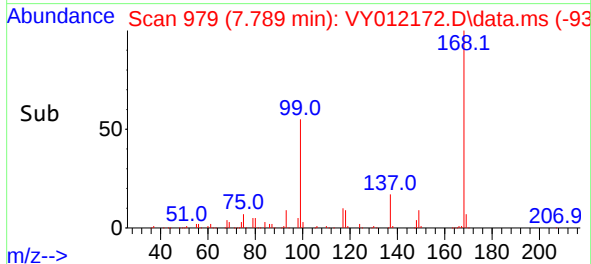
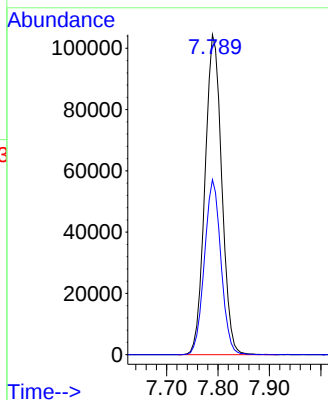
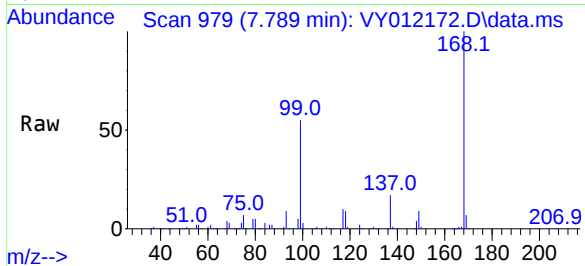




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

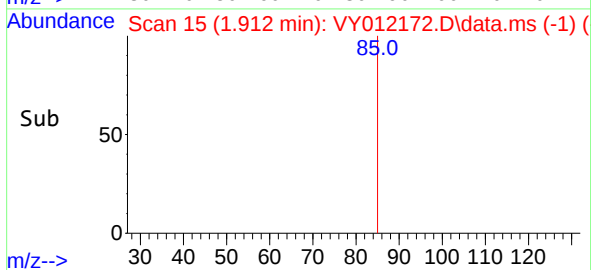
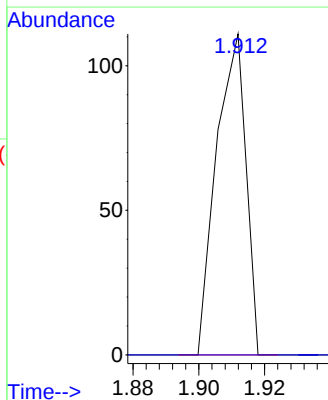
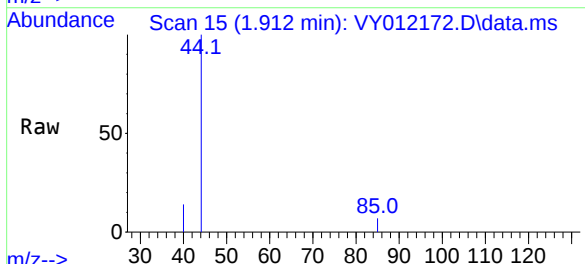
Instrument :
MSVOA_Y
ClientSampleId :
31965

Tgt Ion:168 Resp: 236342
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0

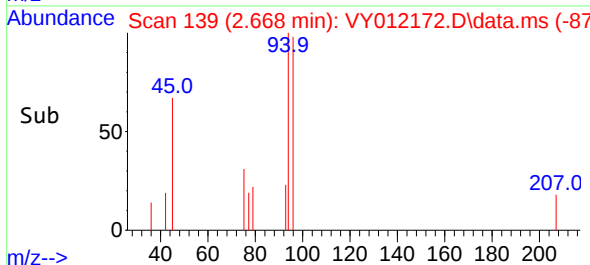
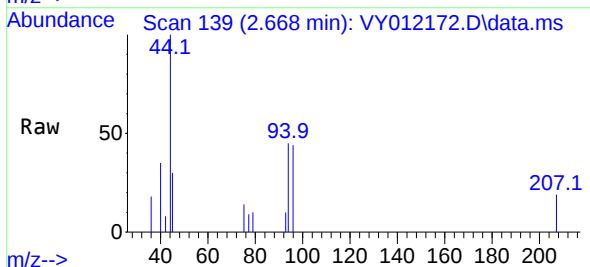
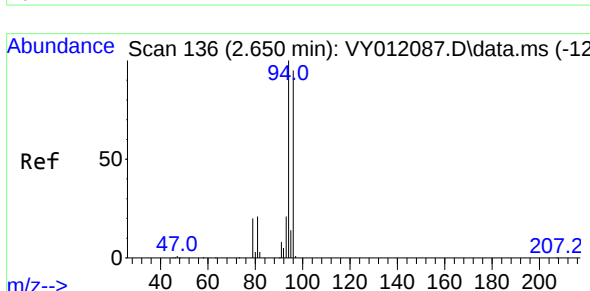
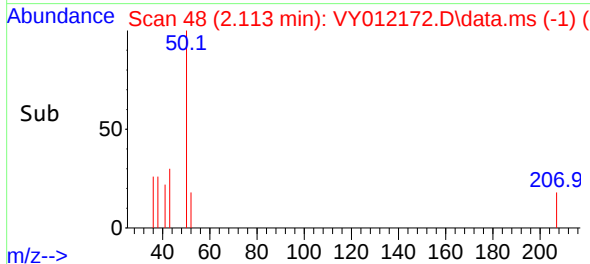
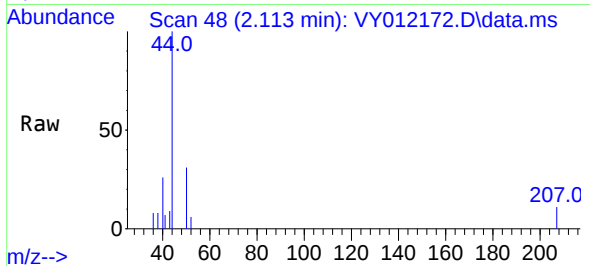
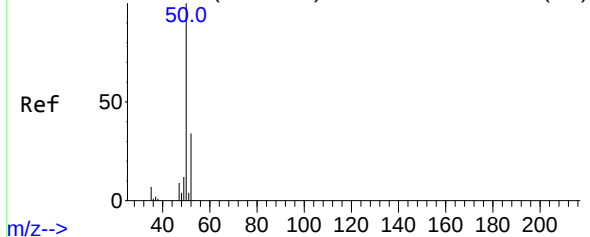


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



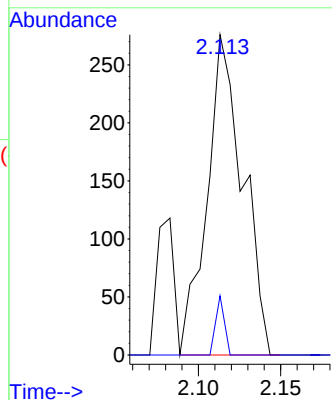
Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

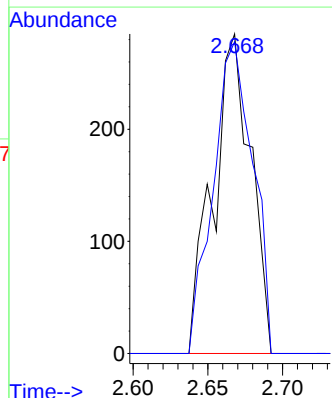
Instrument :
MSVOA_Y
ClientSampleId :
31965

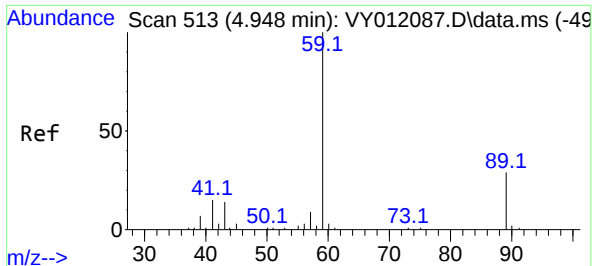
Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 18.5 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 97.5 77.4 116.2

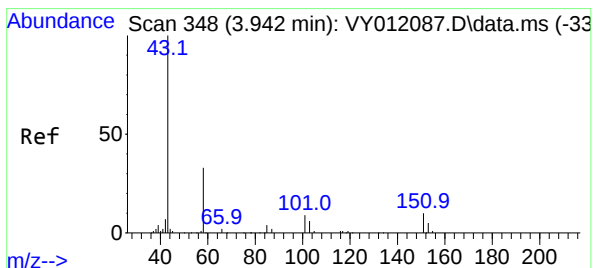
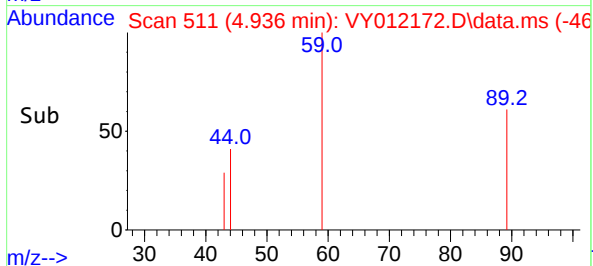
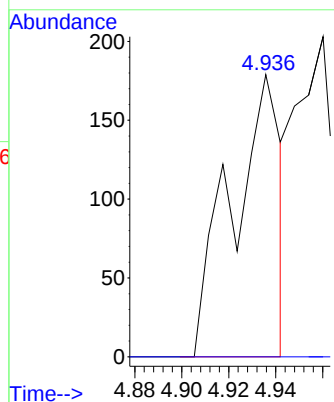
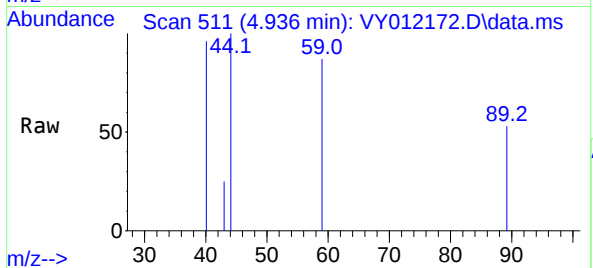




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

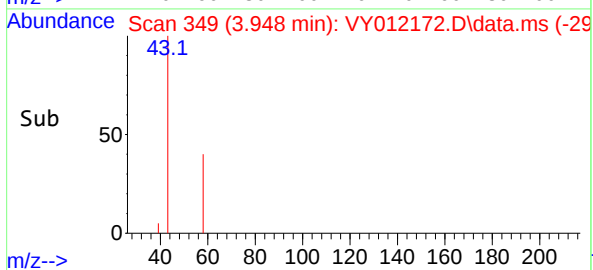
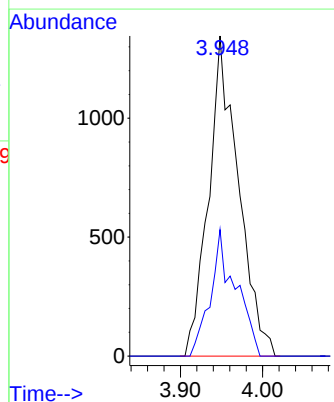
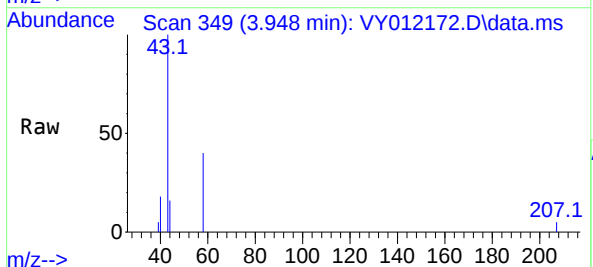
Instrument :
MSVOA_Y
ClientSampleId :
31965

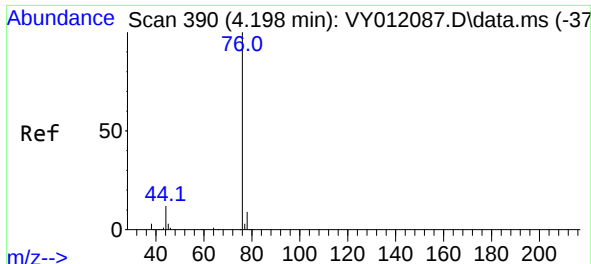
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.436 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 43 Resp: 3396
Ion Ratio Lower Upper
43 100
58 39.5 27.9 41.9

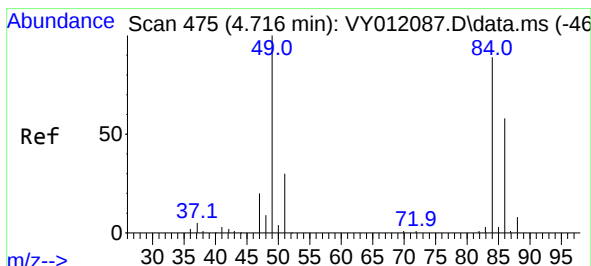
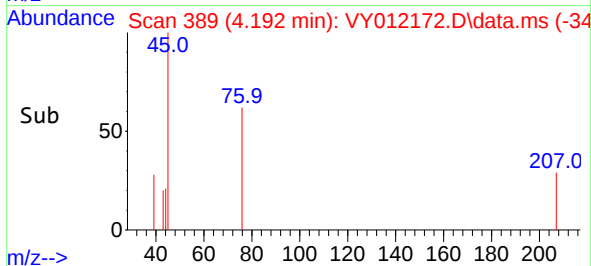
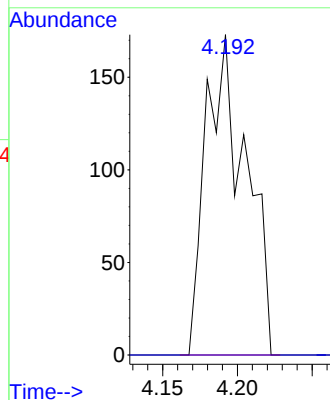
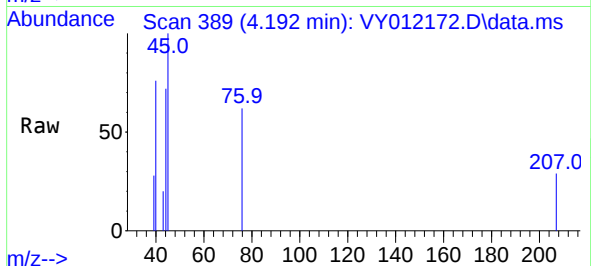




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

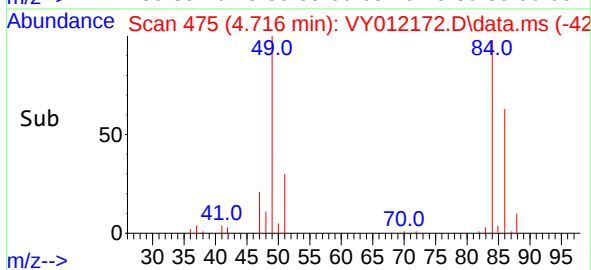
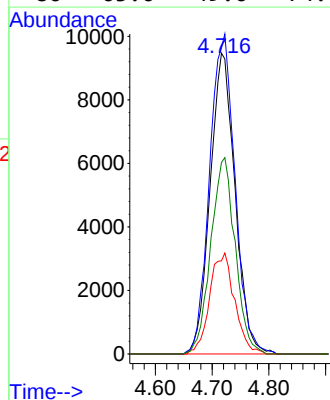
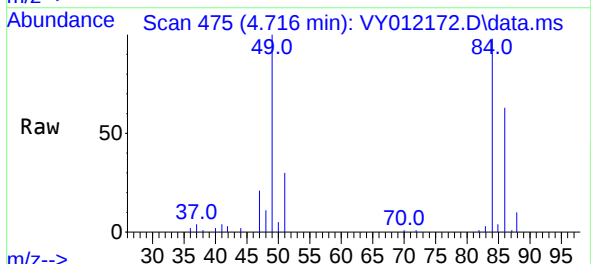
Instrument :
MSVOA_Y
ClientSampleId :
31965

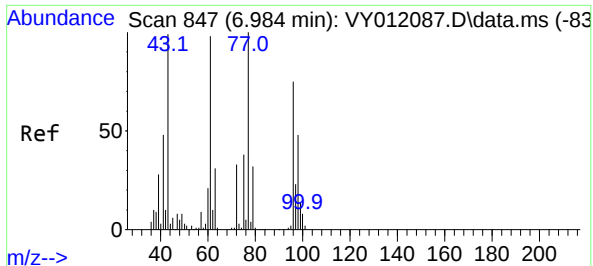
Tgt Ion: 76 Resp: 322
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 5.725 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 84 Resp: 28958
Ion Ratio Lower Upper
84 100
49 101.8 95.4 143.2
51 30.9 29.9 44.9
86 63.6 49.6 74.4

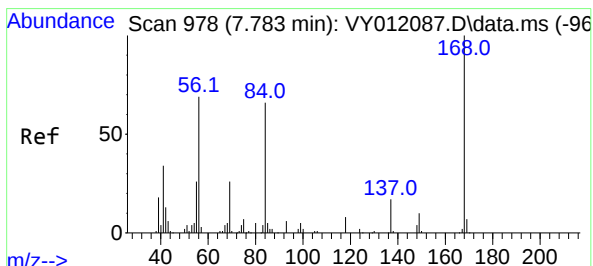
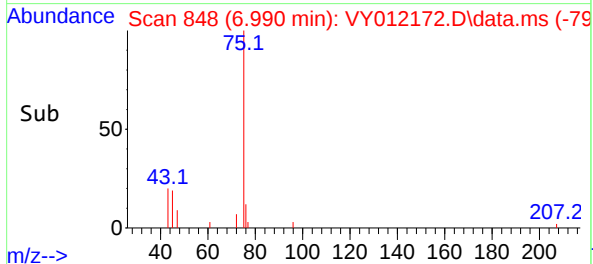
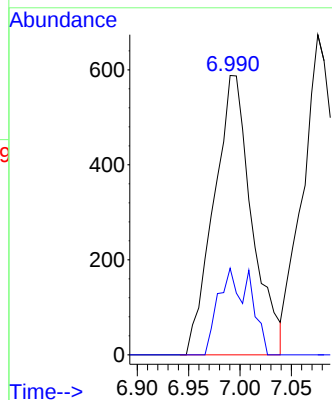
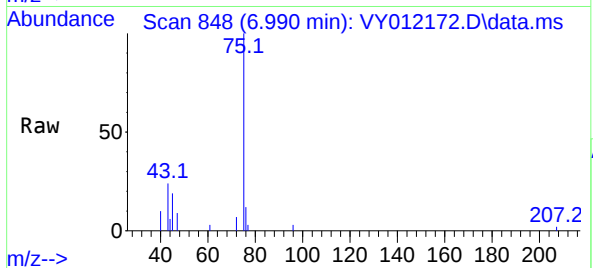




#25
2-Butanone
Concen: 1.834 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

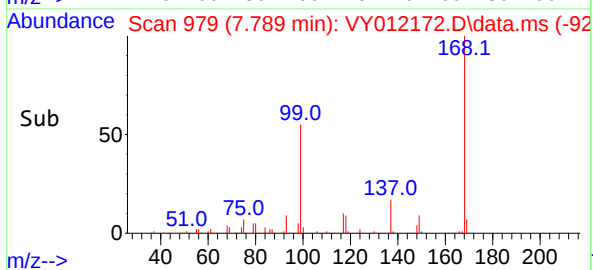
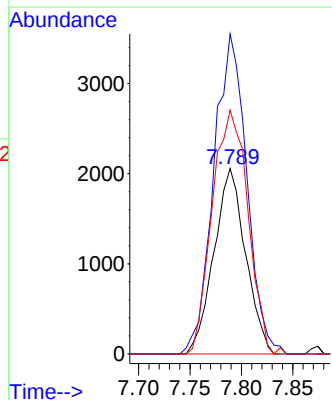
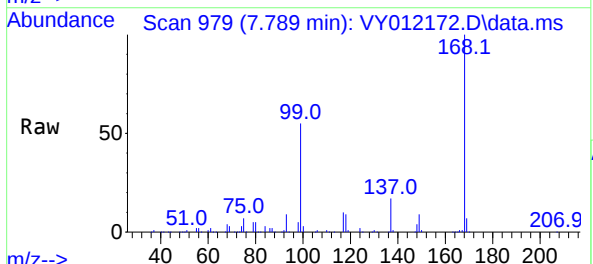
Instrument :
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ClientSampleId :
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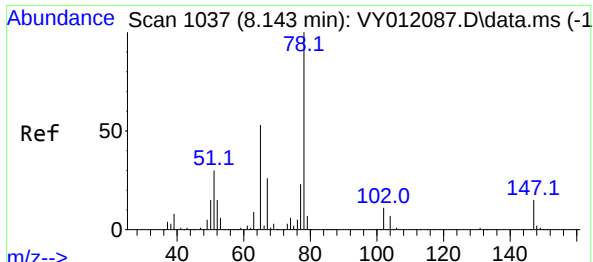
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
72 31.0 22.6 34.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 172.6 29.2 43.8#
84 131.5 72.6 108.8#

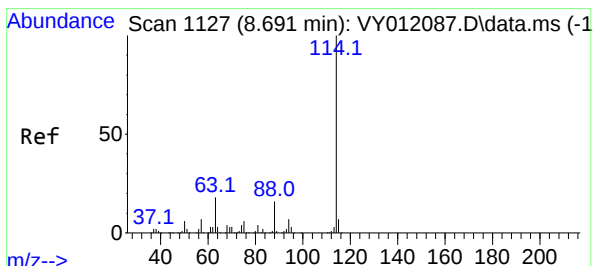
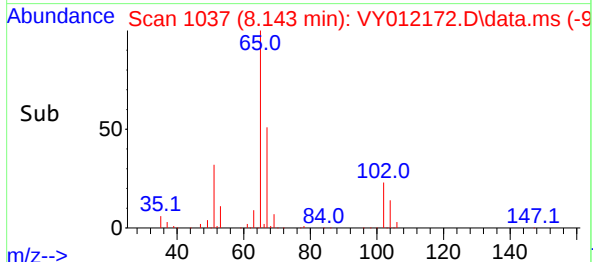
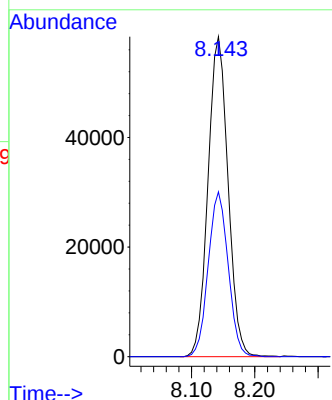
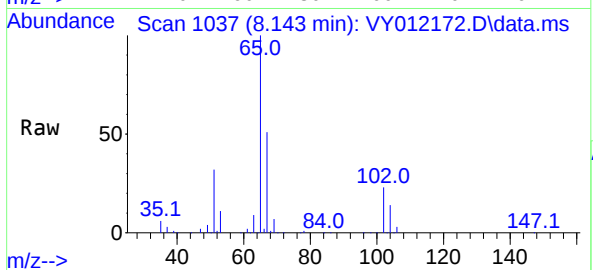




#33
 1,2-Dichloroethane-d4
 Concen: 48.370 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012172.D
 Acq: 12 Jan 2023 12:50

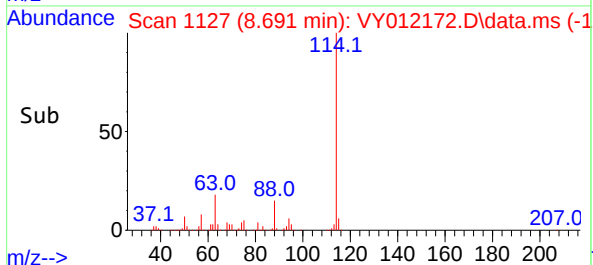
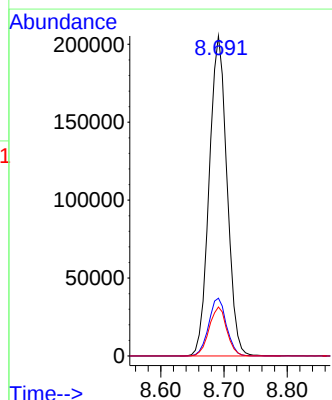
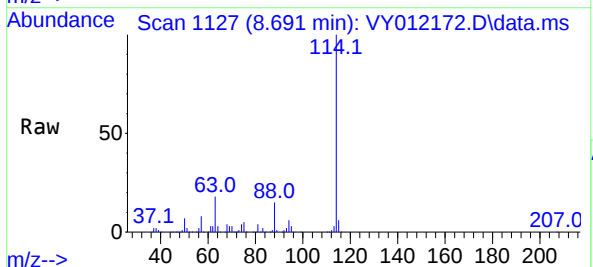
Instrument :
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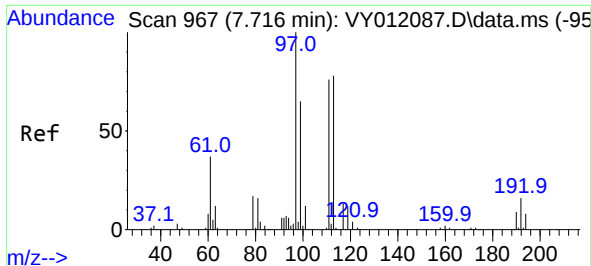
Tgt Ion: 65 Resp: 128454
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012172.D
 Acq: 12 Jan 2023 12:50

Tgt Ion: 114 Resp: 400489
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 15.3 0.0 32.2



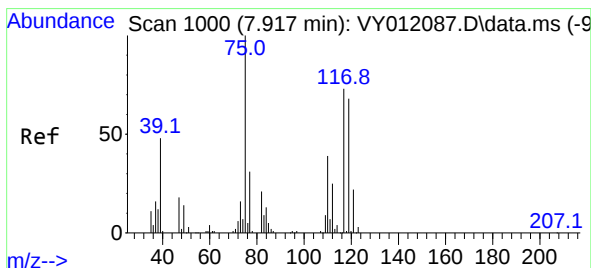
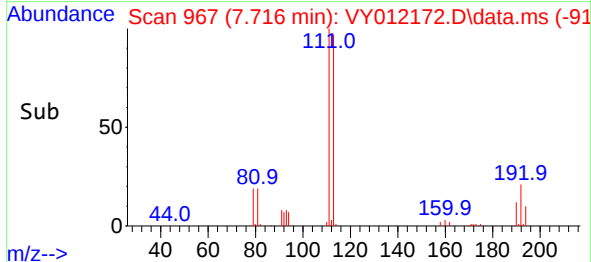
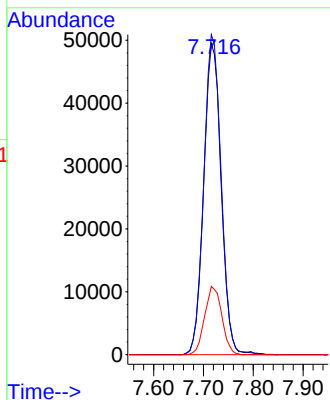
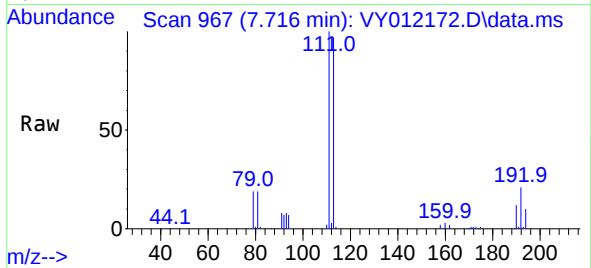


#35
 Dibromofluoromethane
 Concen: 45.737 ug/l
 RT: 7.716 min Scan# 919
 Delta R.T. -0.000 min
 Lab File: VY012172.D
 Acq: 12 Jan 2023 12:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 31965

Tgt Ion:113 Resp: 120395

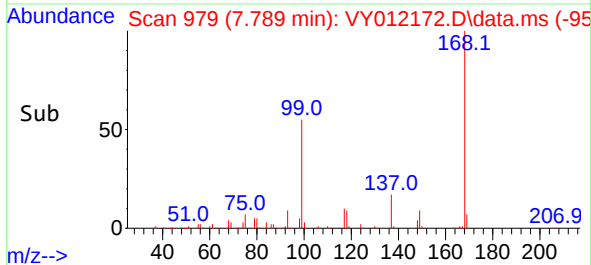
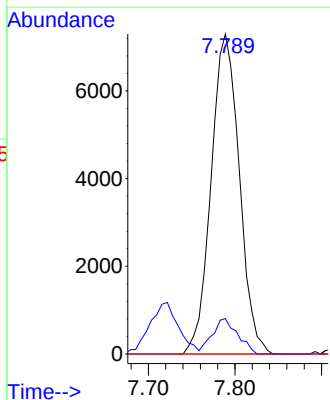
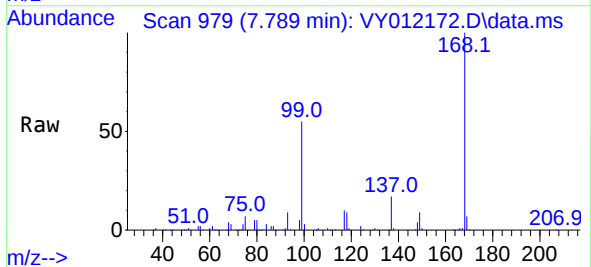
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	21.6	16.0	24.0

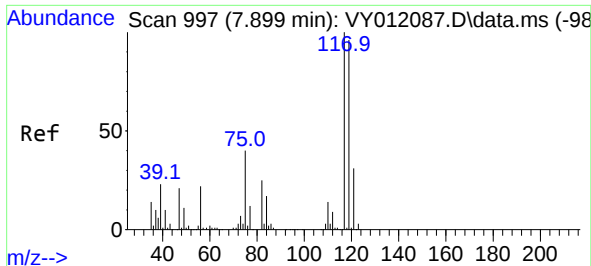


#36
 1,1-Dichloropropene
 Concen: 4.132 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY012172.D
 Acq: 12 Jan 2023 12:50

Tgt Ion: 75 Resp: 16500

Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.0	25.1	37.7#

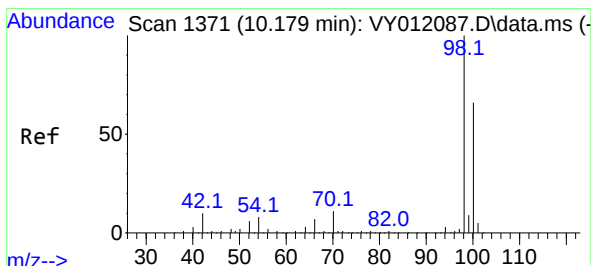
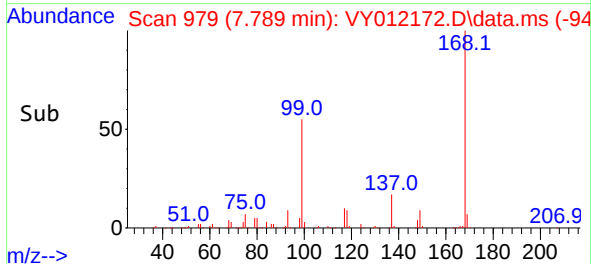
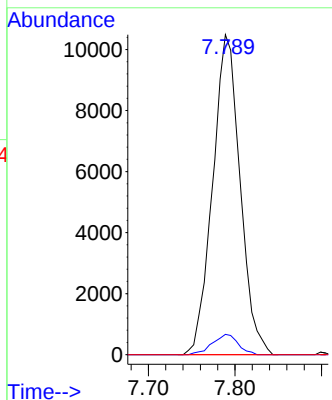
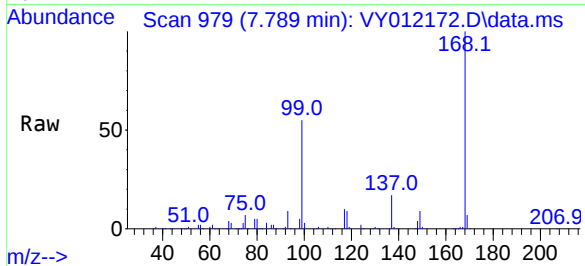




#38
Carbon Tetrachloride
Concen: 4.558 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

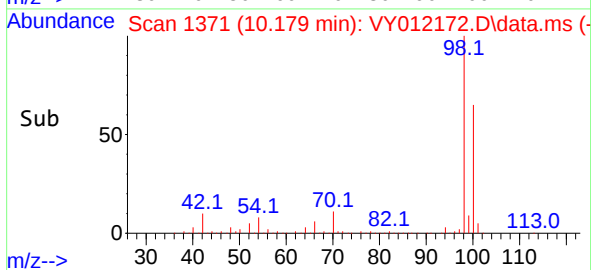
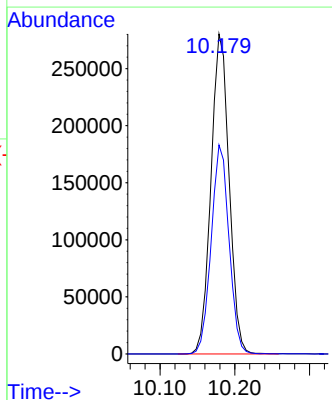
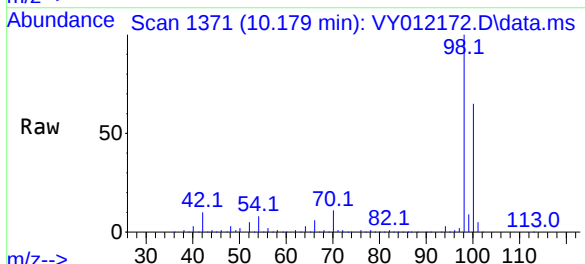
Instrument :
MSVOA_Y
ClientSampleId :
31965

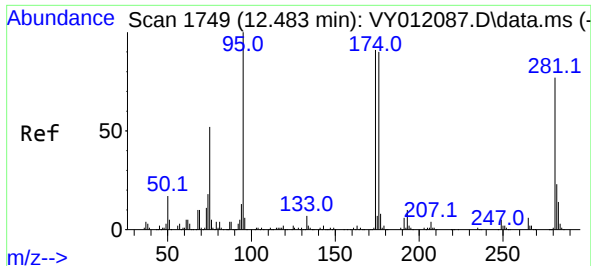
Tgt Ion:117 Resp: 23103
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.500 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 98 Resp: 472743
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

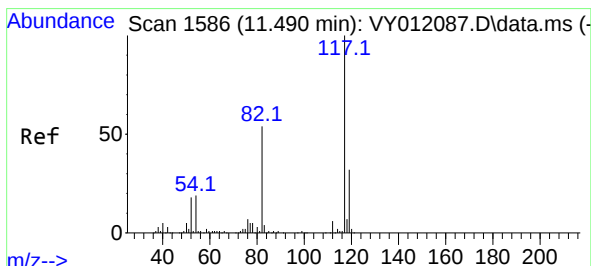
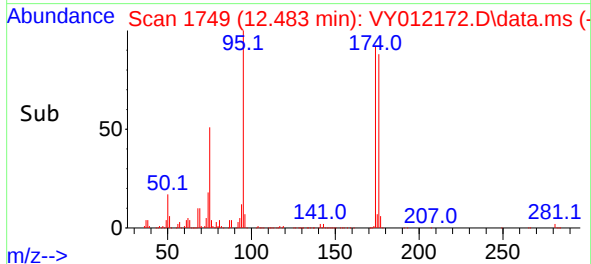
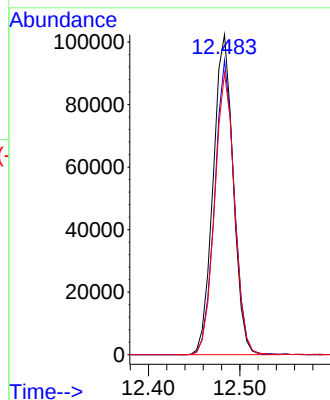
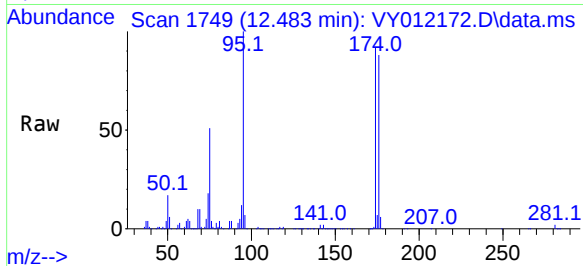




#62
4-Bromofluorobenzene
Concen: 42.911 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

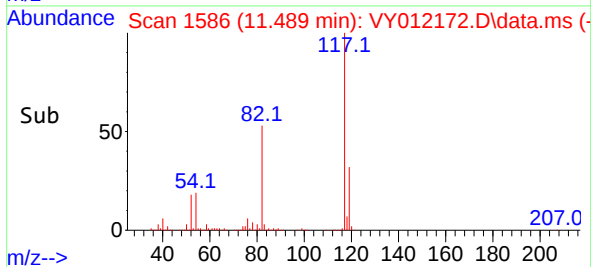
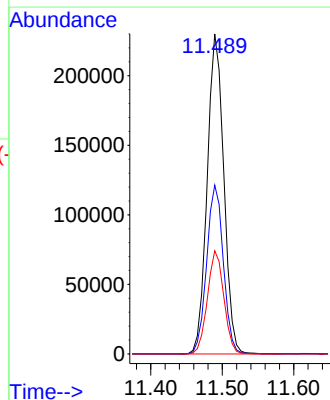
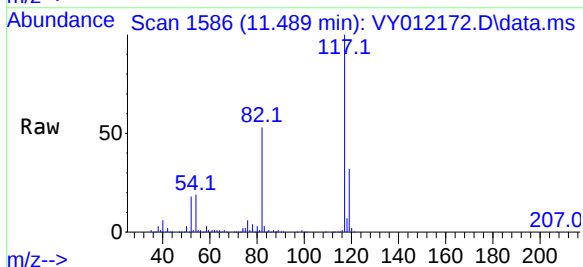
Instrument :
MSVOA_Y
ClientSampleId :
31965

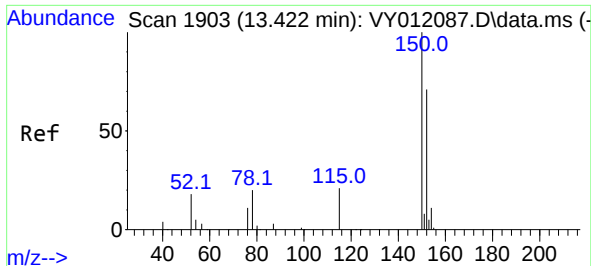
Tgt Ion: 95 Resp: 155843
Ion Ratio Lower Upper
95 100
174 89.8 0.0 172.0
176 87.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 117 Resp: 371331
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 32.3 25.4 38.2

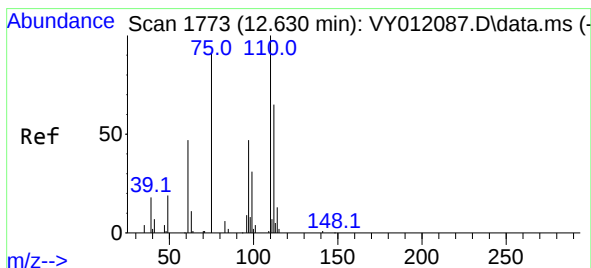
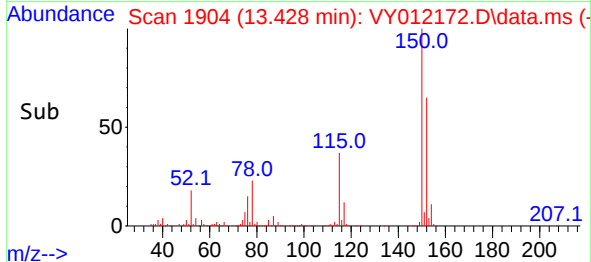
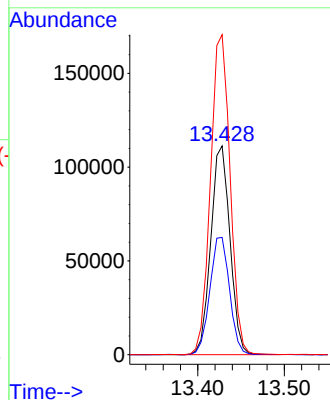
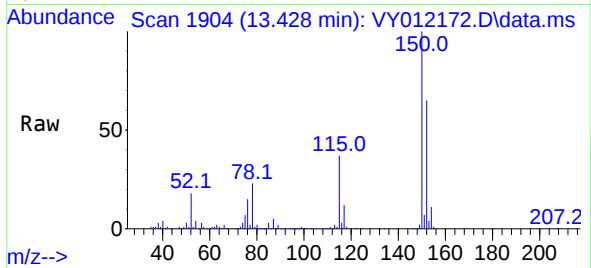




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

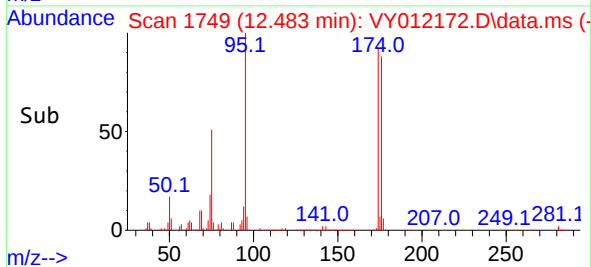
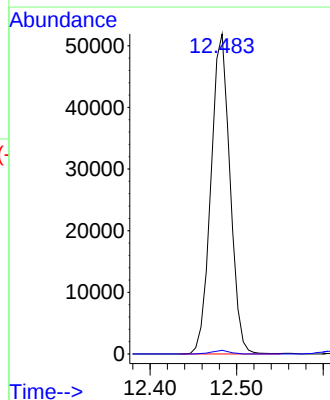
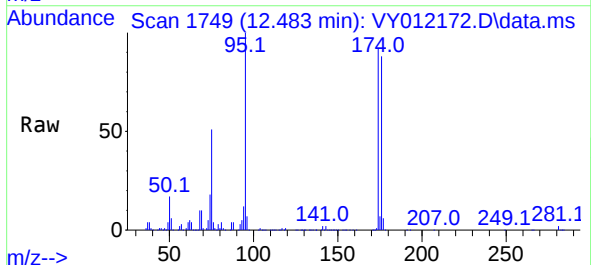
Instrument :
MSVOA_Y
ClientSampleId :
31965

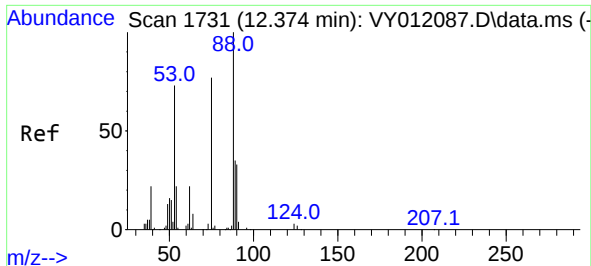
Tgt Ion:152 Resp: 171493
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.3
150 156.5 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 40.537 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion: 75 Resp: 79376
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

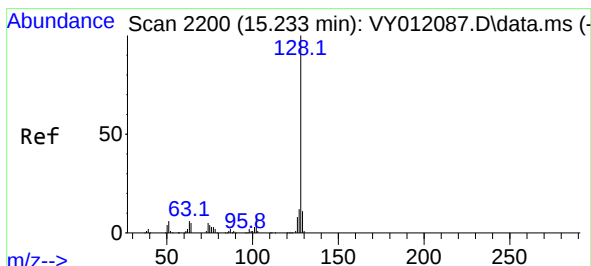
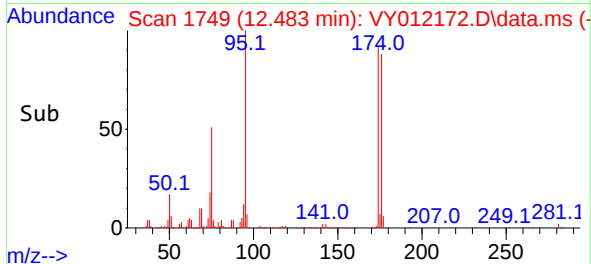
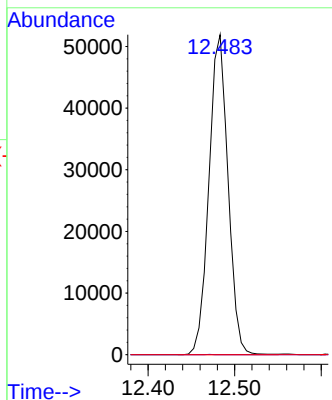
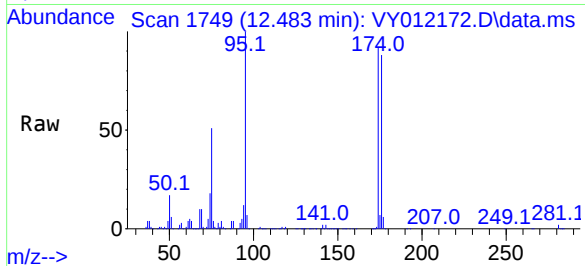




#81
trans-1,4-Dichloro-2-butene
Concen: 90.027 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Instrument :
MSVOA_Y
ClientSampleId :
31965

Tgt Ion: 75 Resp: 79376
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.022 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY012172.D
Acq: 12 Jan 2023 12:50

Tgt Ion:128 Resp: 21548
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.0 8.8 13.2

