

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015809.D
 Acq On : 03 Oct 2023 16:31
 Operator : SY/MD
 Sample : 04685-12
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:12:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	139129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	225759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105283	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89700	58.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.200%	
35) Dibromofluoromethane	7.710	113	74726	51.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.120%	
50) Toluene-d8	10.173	98	285673	58.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.260%	
62) 4-Bromofluorobenzene	12.477	95	100534	52.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.260%	

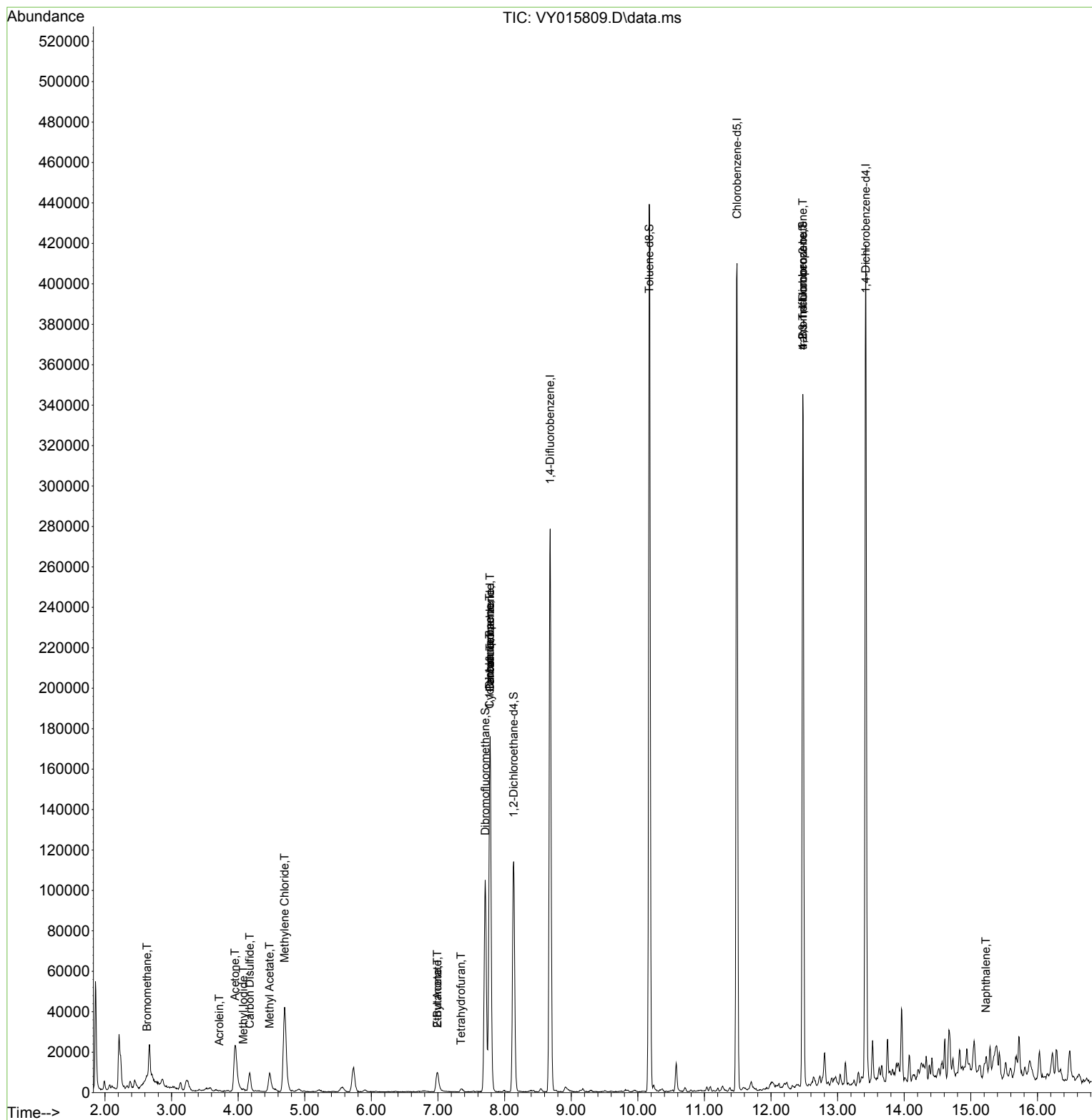
Target Compounds			Qvalue			
5) Bromomethane	2.631	94	600	2.990	ug/l	97
10) Methyl Iodide	4.076	142	991	3.302	ug/l #	79
11) Tert butyl alcohol	4.917	59	1444	Below Cal	#	89
13) Acrolein	3.716	56	237	1.011	ug/l	95
16) Acetone	3.954	43	51743	63.161	ug/l	93
17) Carbon Disulfide	4.174	76	18297	7.695	ug/l	99
18) Methyl Acetate	4.472	43	18537	6.744	ug/l	96
20) Methylene Chloride	4.698	84	32378	14.622	ug/l	90
25) 2-Butanone	6.990	43	18293	15.798	ug/l	92
29) Tetrahydrofuran	7.344	42	1138	1.739	ug/l	95
31) Cyclohexane	7.777	56	3153	1.487	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	10840	5.058	ug/l #	50
37) Ethyl Acetate	6.990	43	18293	8.557	ug/l #	71
38) Carbon Tetrachloride	7.783	117	13884	5.968	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	53476	31.838	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53476	71.697	ug/l #	11
95) Naphthalene	15.227	128	6907	1.185	ug/l #	92

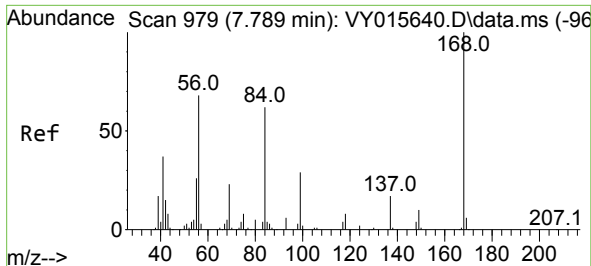
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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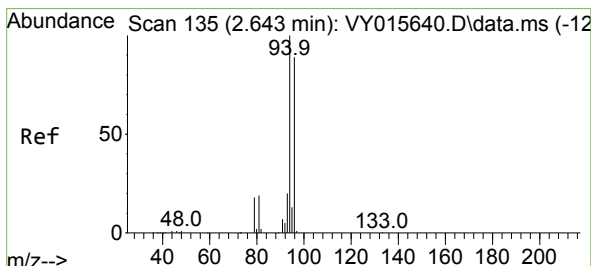
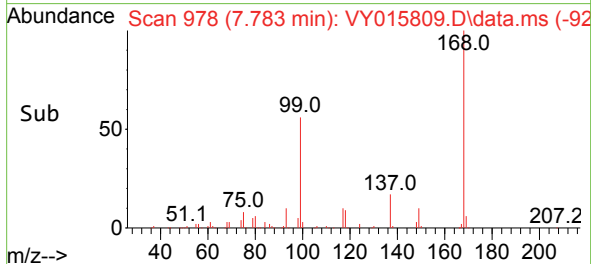
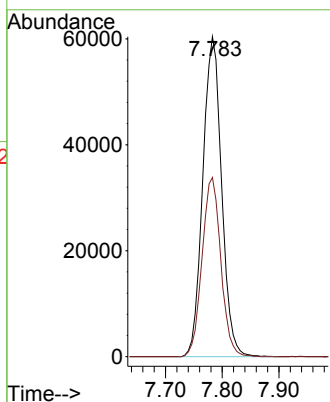
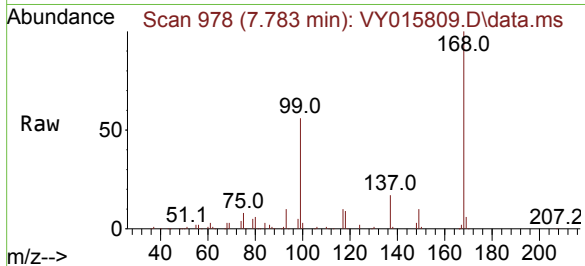




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

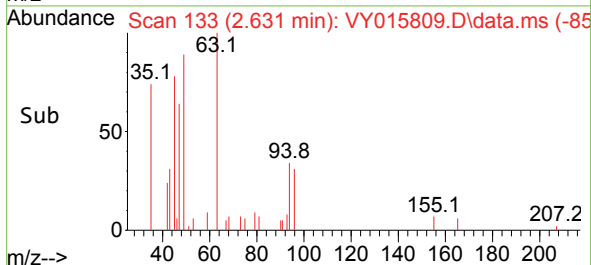
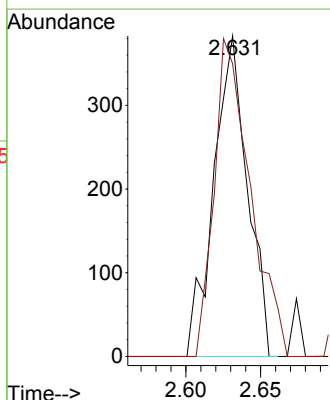
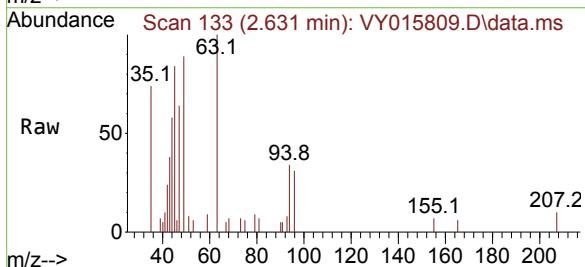
Instrument :
MSVOA_Y
ClientSampleId :

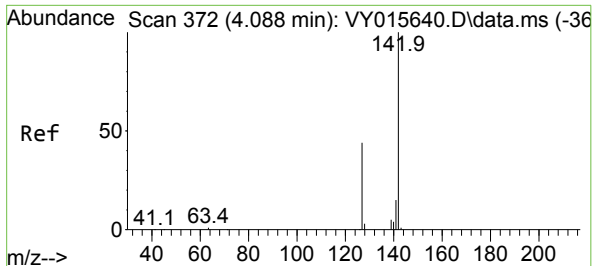
Tgt Ion:168 Resp: 139129
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#5
Bromomethane
Concen: 2.990 ug/l
RT: 2.631 min Scan# 133
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 91.4 75.8 113.6





#10

Methyl Iodide

Concen: 3.302 ug/l

RT: 4.076 min Scan# 311

Delta R.T. -0.006 min

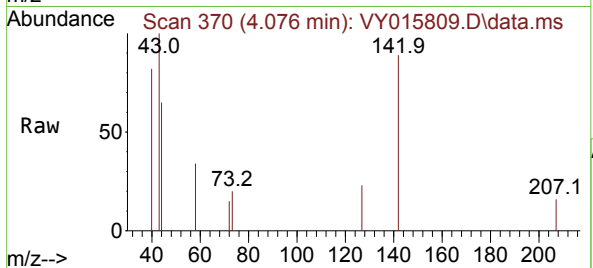
Lab File: VY015809.D

Acq: 03 Oct 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :



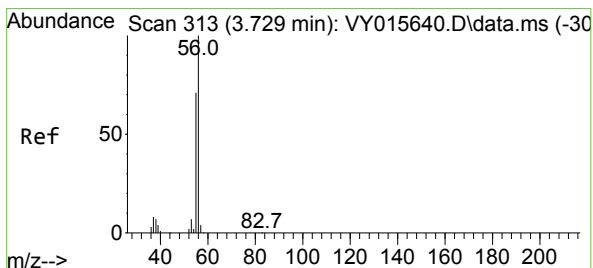
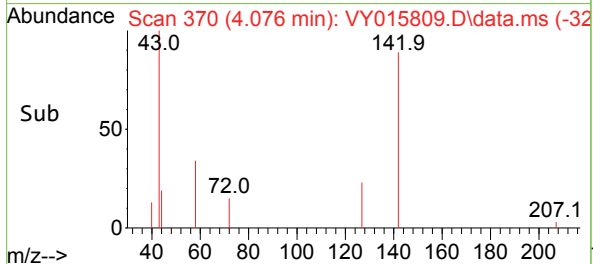
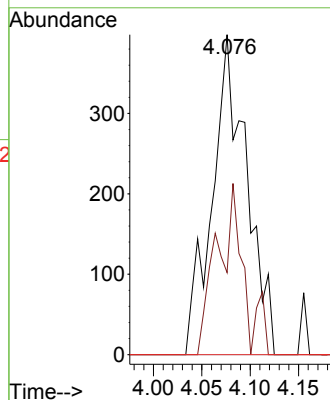
Tgt Ion:142 Resp: 991

Ion Ratio Lower Upper

142 100

127 36.3 37.6 56.4#

141 0.0 11.8 17.8#



#13

Acrolein

Concen: 1.011 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY015809.D

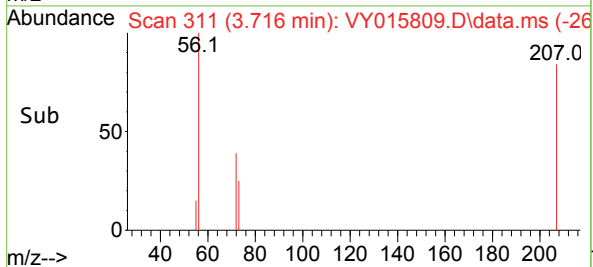
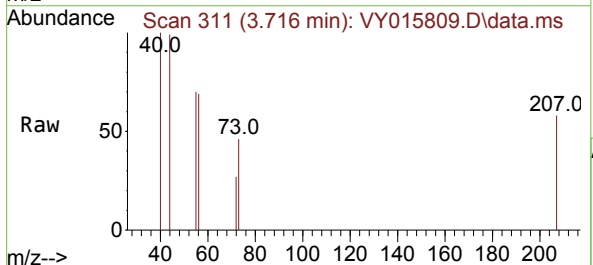
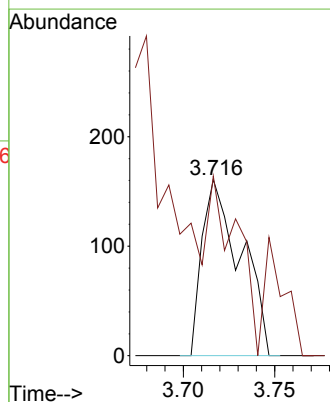
Acq: 03 Oct 2023 16:31

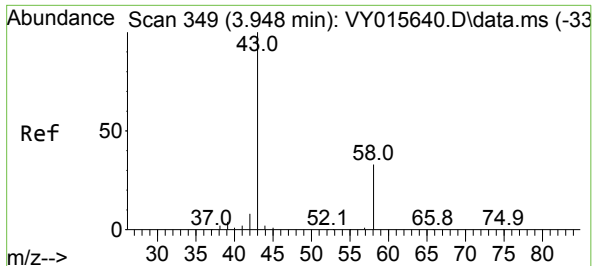
Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 75.5 57.0 85.4

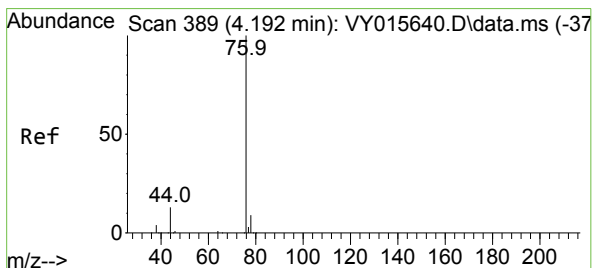
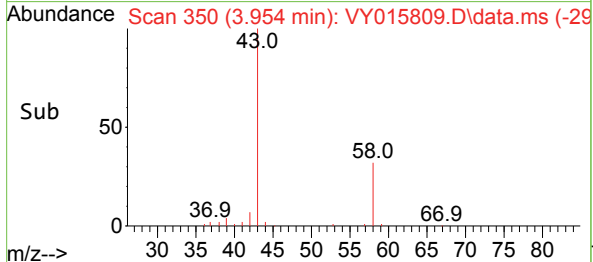
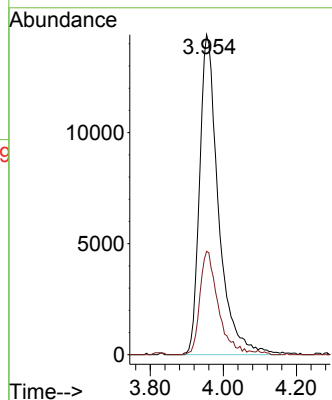
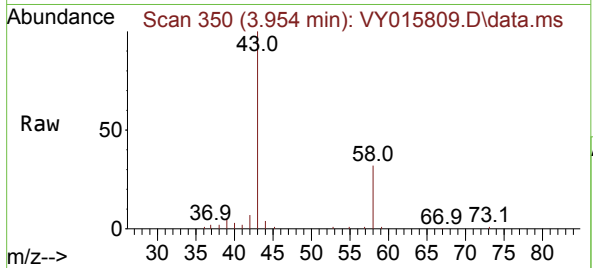




#16
Acetone
Concen: 63.161 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

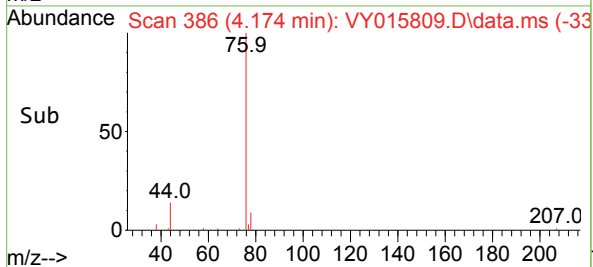
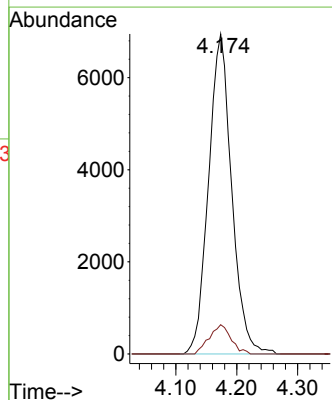
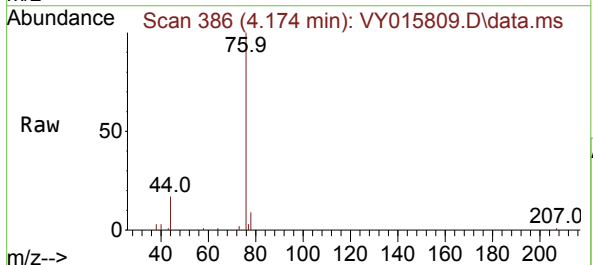
Instrument :
MSVOA_Y
ClientSampleId :

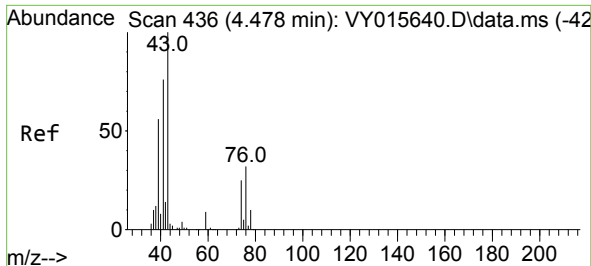
Tgt Ion: 43 Resp: 51743
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1



#17
Carbon Disulfide
Concen: 7.695 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 76 Resp: 18297
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

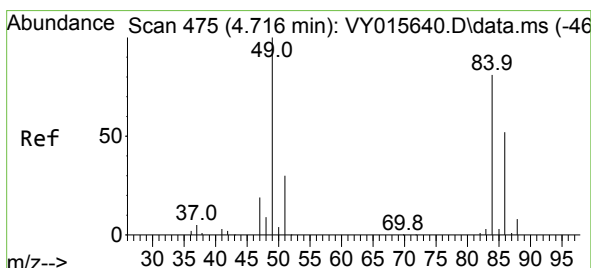
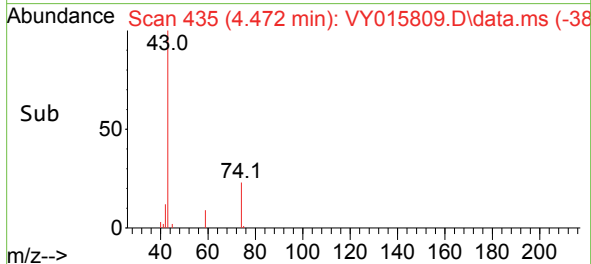
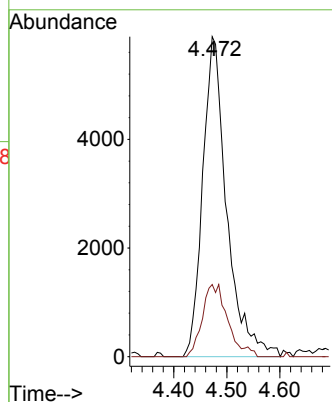
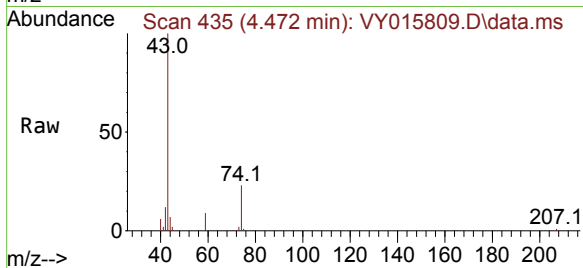




#18
Methyl Acetate
Concen: 6.744 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

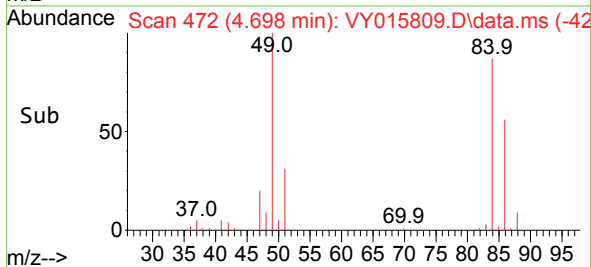
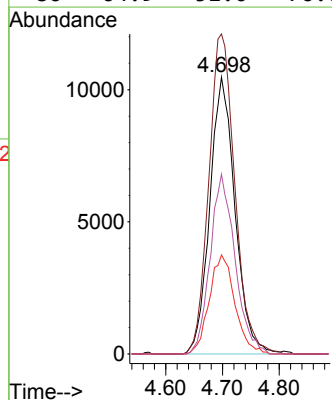
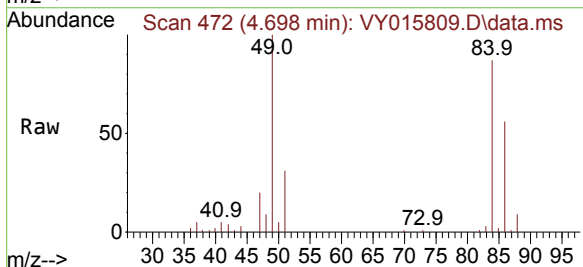
Instrument :
MSVOA_Y
ClientSampleId :

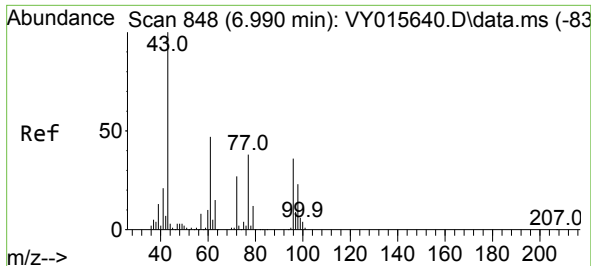
Tgt Ion: 43 Resp: 18537
Ion Ratio Lower Upper
43 100
74 23.8 17.4 26.0



#20
Methylene Chloride
Concen: 14.622 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

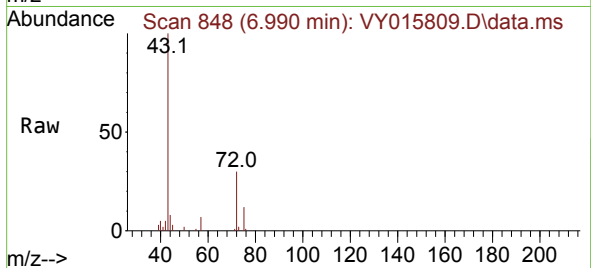
Tgt Ion: 84 Resp: 32378
Ion Ratio Lower Upper
84 100
49 115.6 106.9 160.3
51 35.8 33.2 49.8
86 64.9 51.0 76.6



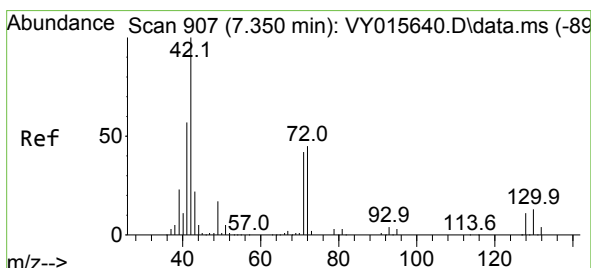
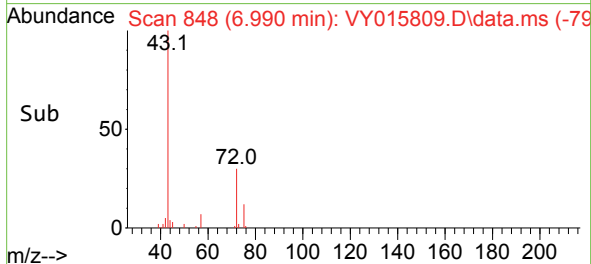
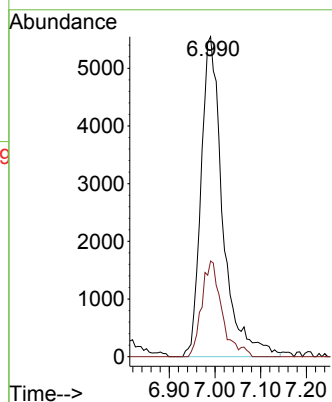


#25
2-Butanone
Concen: 15.798 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :

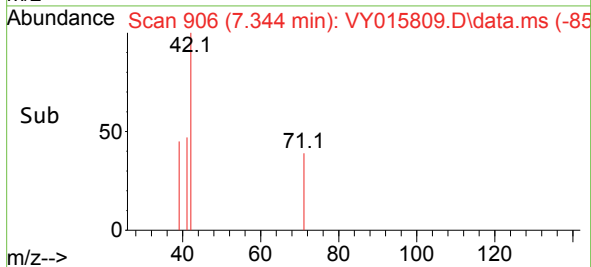
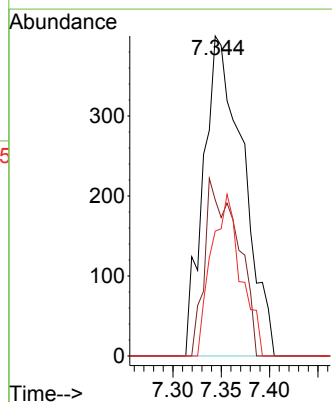
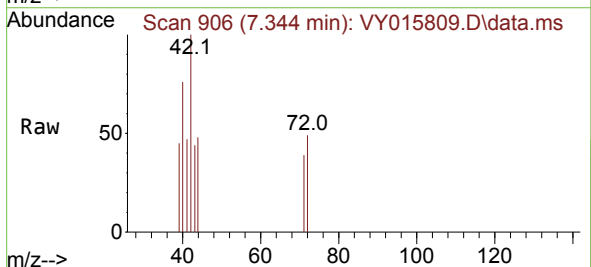


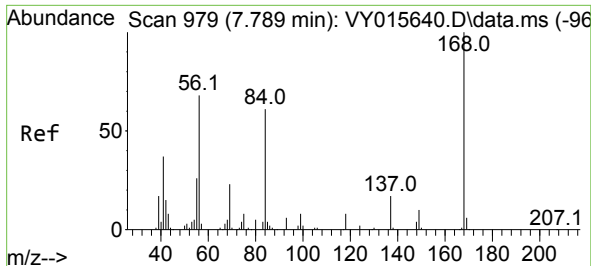
Tgt Ion: 43 Resp: 18293
Ion Ratio Lower Upper
43 100
72 29.9 20.5 30.7



#29
Tetrahydrofuran
Concen: 1.739 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

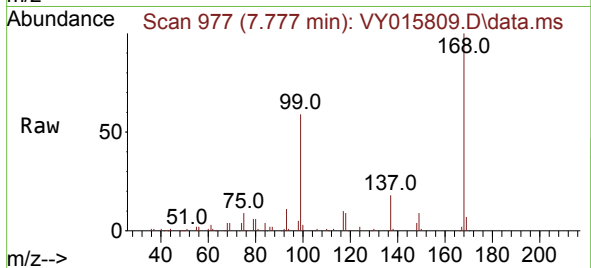
Tgt Ion: 42 Resp: 1138
Ion Ratio Lower Upper
42 100
72 46.0 32.8 49.2
71 37.9 31.0 46.4



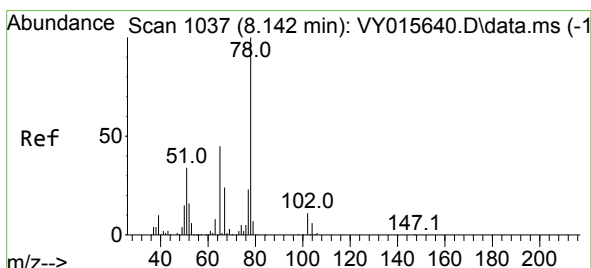
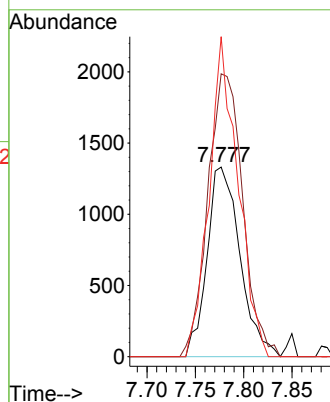
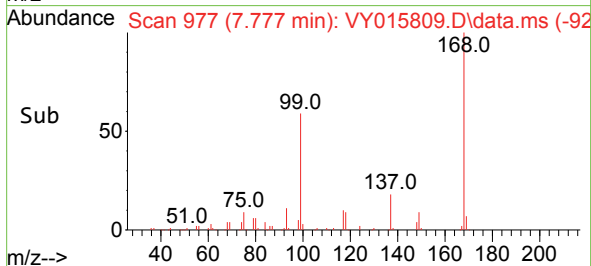


#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :

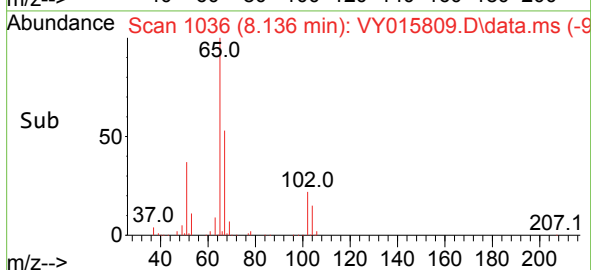
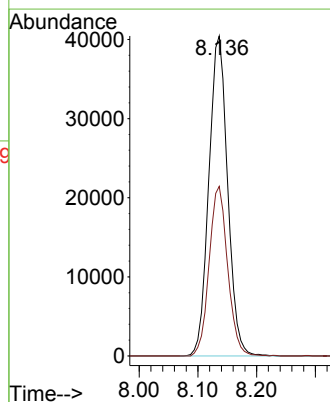
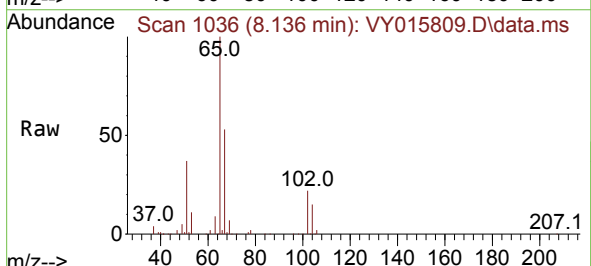


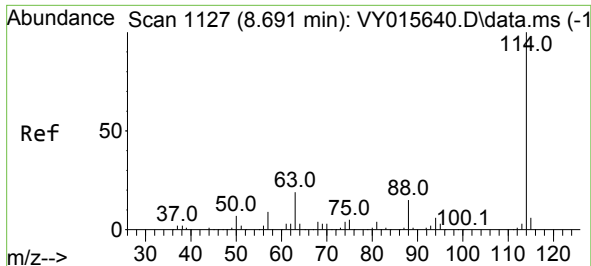
Tgt Ion: 56 Resp: 3153
Ion Ratio Lower Upper
56 100
69 149.2 27.8 41.6#
84 168.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.597 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 65 Resp: 89700
Ion Ratio Lower Upper
65 100
67 52.2 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: VY015809.D

Acq: 03 Oct 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

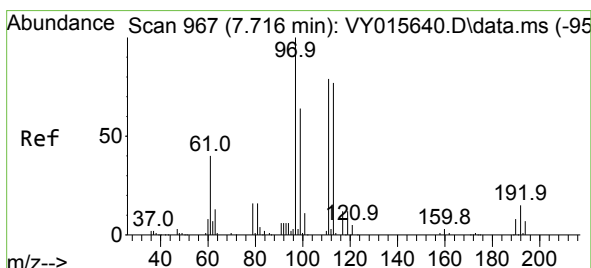
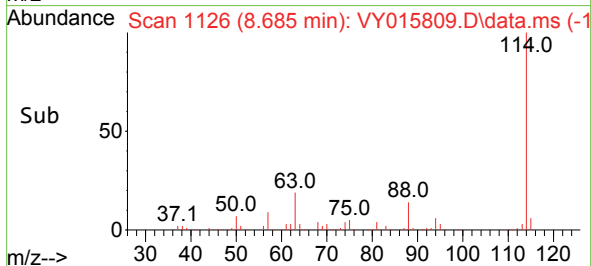
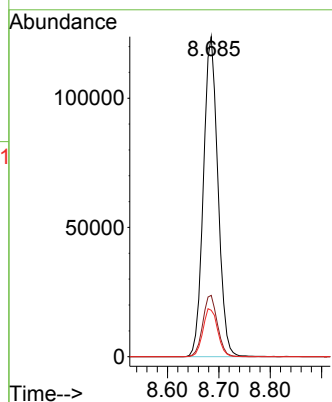
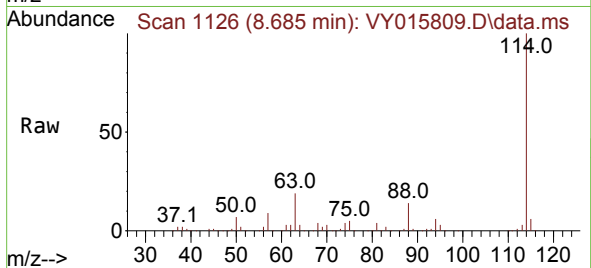
Tgt Ion:114 Resp: 242165

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.555 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015809.D

Acq: 03 Oct 2023 16:31

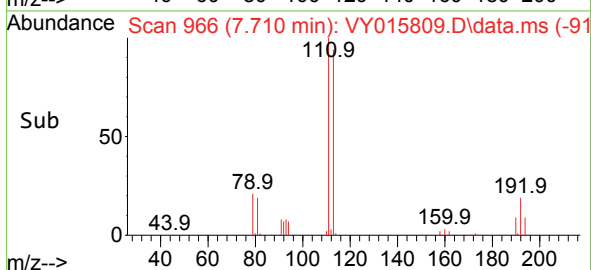
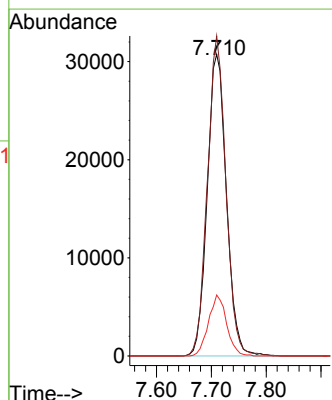
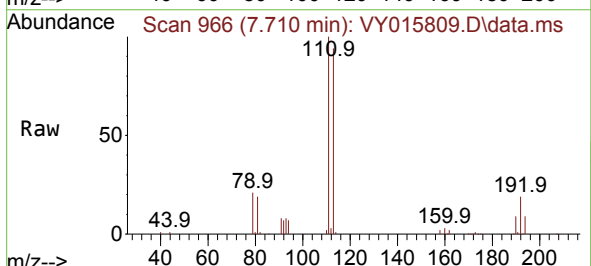
Tgt Ion:113 Resp: 74726

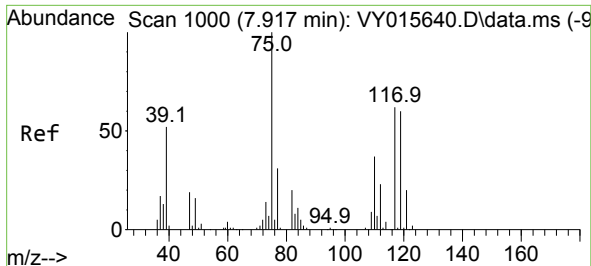
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

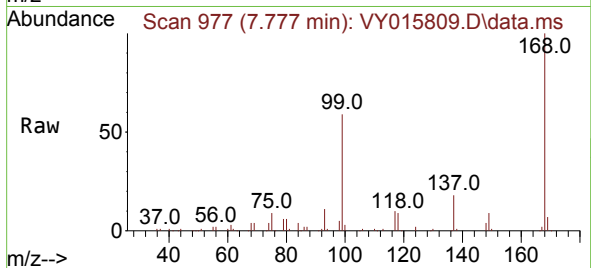
192 19.1 16.9 25.3



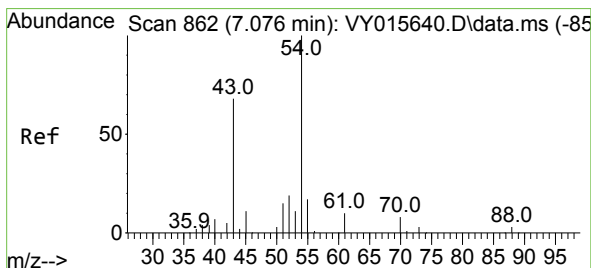
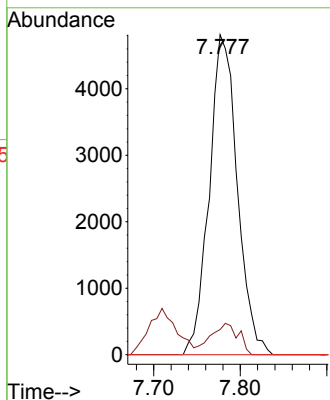
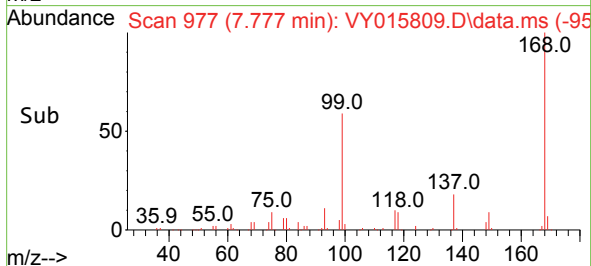


#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :

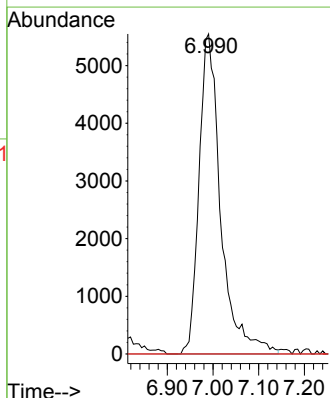
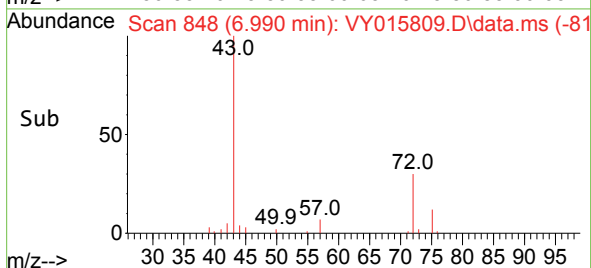
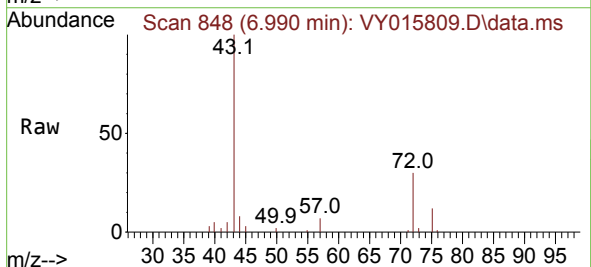


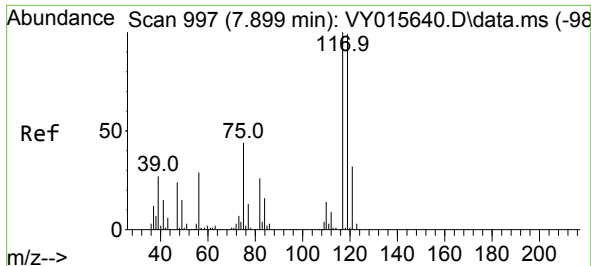
Tgt Ion: 75 Resp: 10840
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 8.557 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.073 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

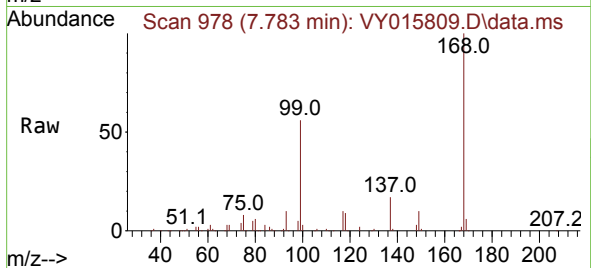
Tgt Ion: 43 Resp: 18293
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



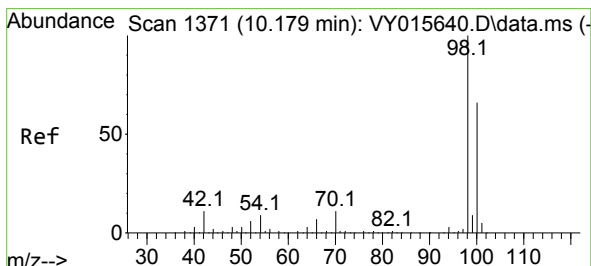
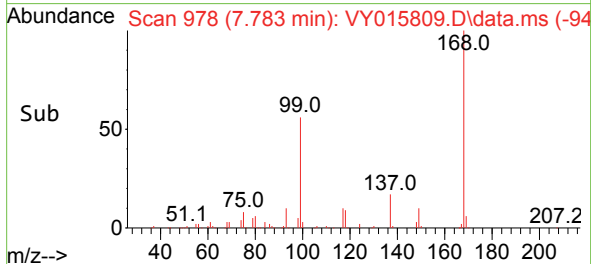
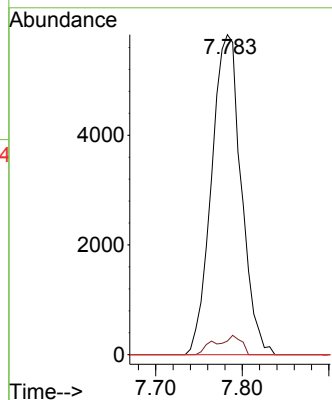


#38
Carbon Tetrachloride
Concen: 5.968 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :

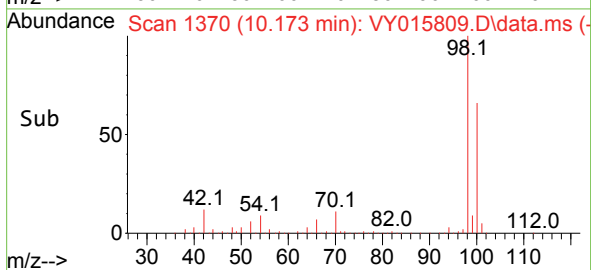
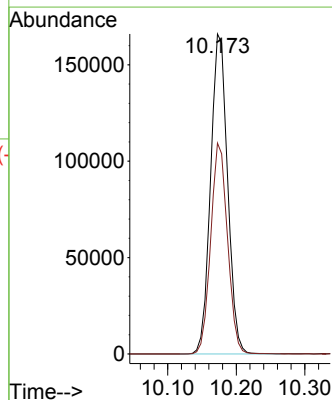
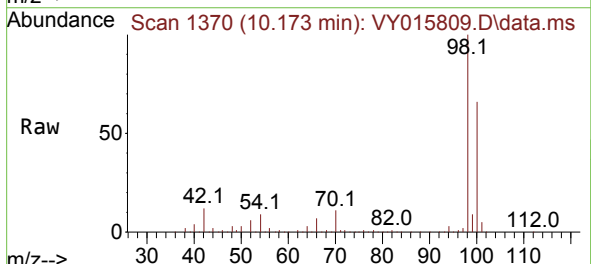


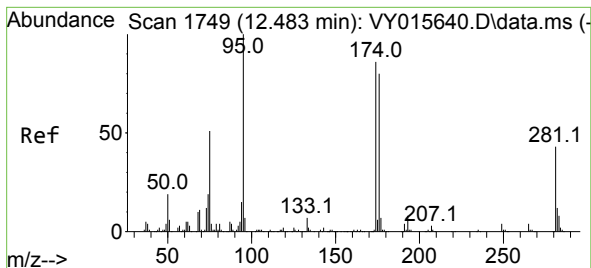
Tgt Ion:117 Resp: 13884
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.128 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion: 98 Resp: 285673
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

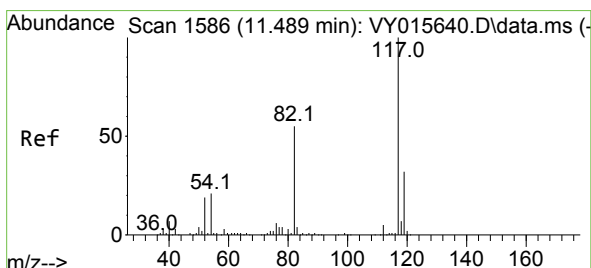
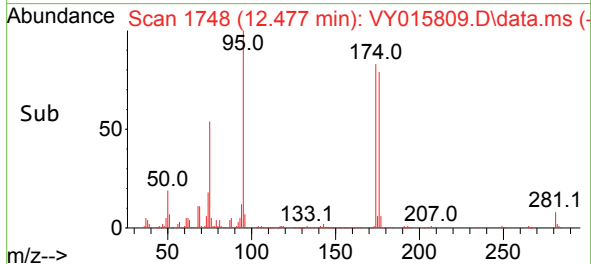
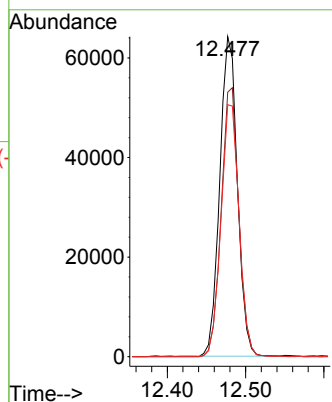
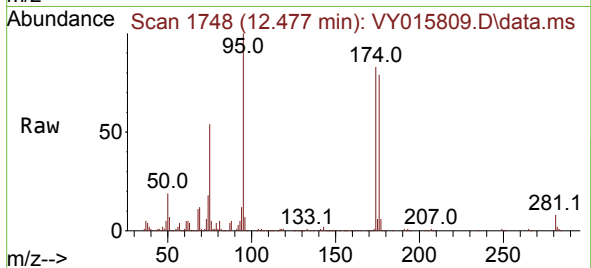




#62
4-Bromofluorobenzene
Concen: 52.127 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

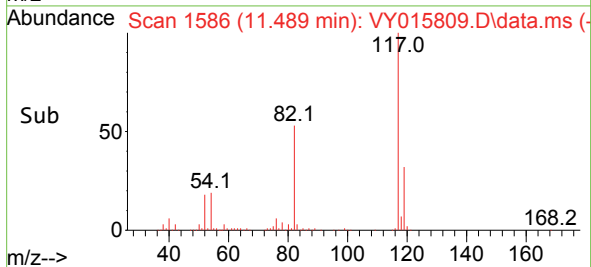
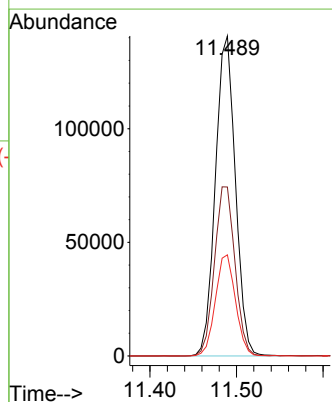
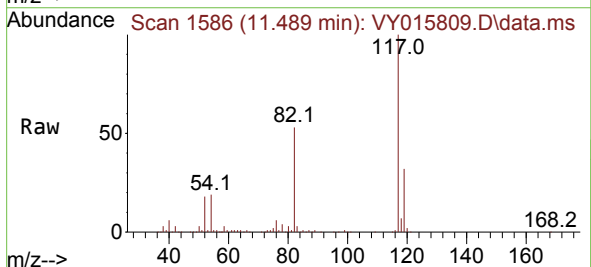
Instrument :
MSVOA_Y
ClientSampleId :

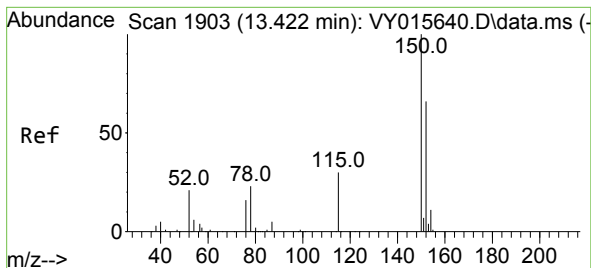
Tgt Ion: 95 Resp: 100534
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

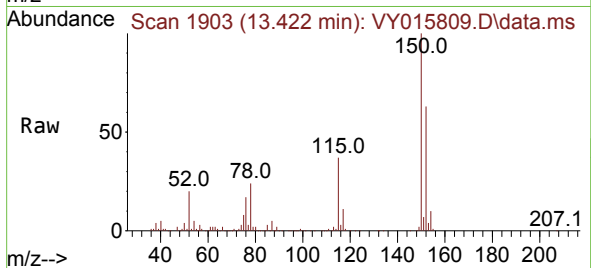
Tgt Ion: 117 Resp: 225759
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 26.3 39.5



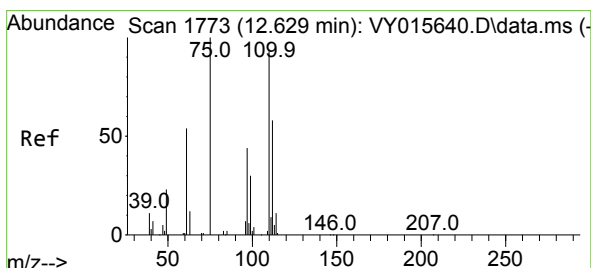
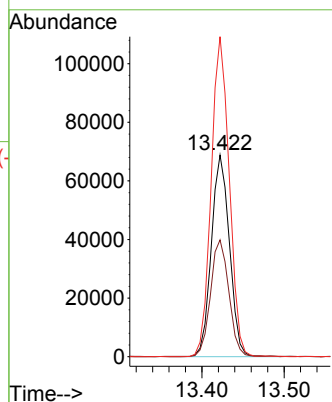
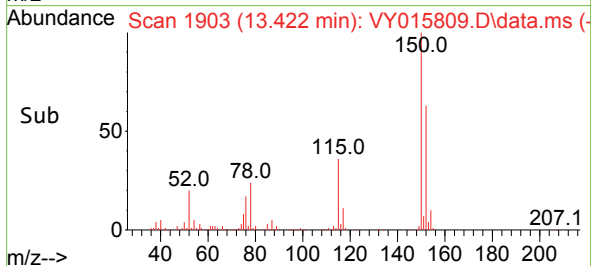


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015809.D
 Acq: 03 Oct 2023 16:31

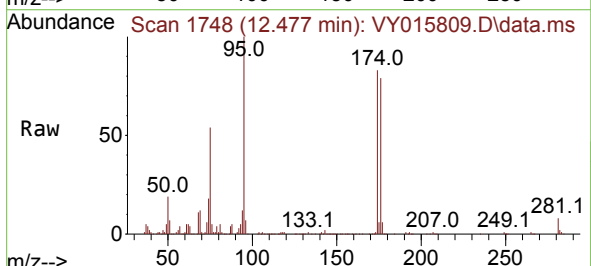
Instrument :
 MSVOA_Y
 ClientSampleId :



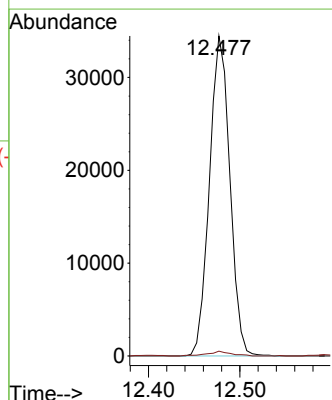
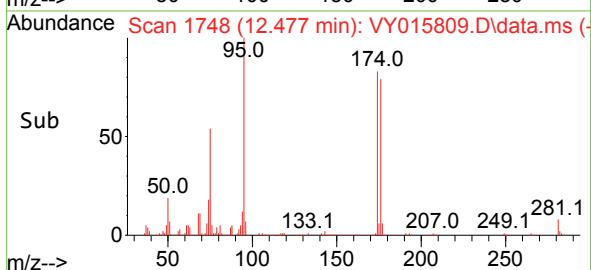
Tgt Ion:152 Resp: 105283
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.8 86.5
 150 158.2 0.0 348.8

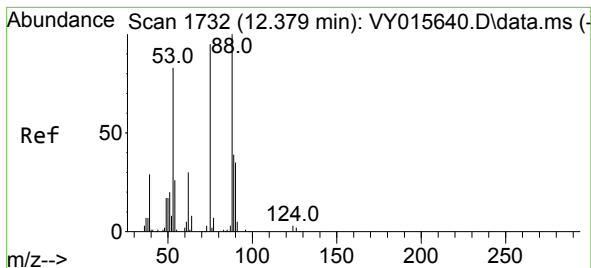


#76
 1,2,3-Trichloropropane
 Concen: 31.838 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015809.D
 Acq: 03 Oct 2023 16:31



Tgt Ion: 75 Resp: 53476
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

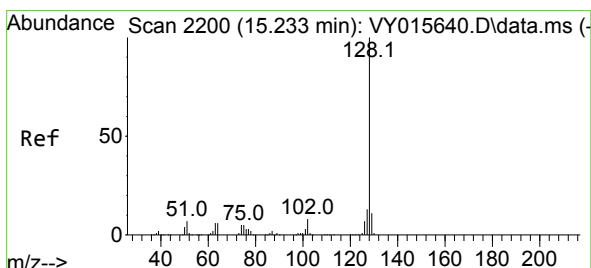
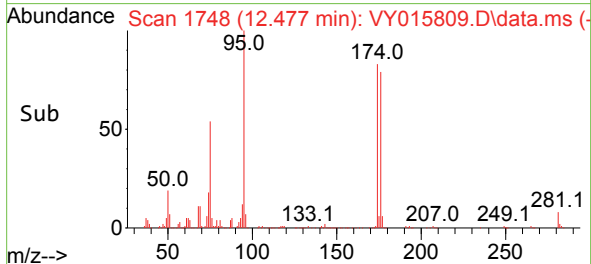
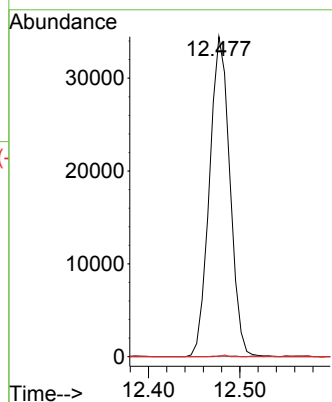
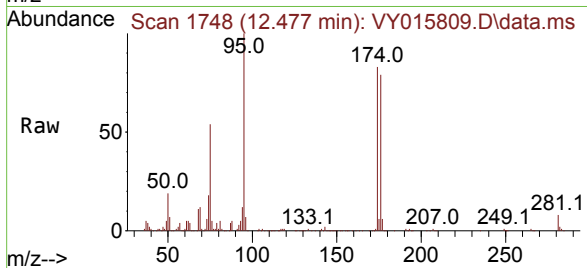




#81
trans-1,4-Dichloro-2-butene
Concen: 71.697 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 53476
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 1.185 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY015809.D
Acq: 03 Oct 2023 16:31

Tgt Ion:128 Resp: 6907
Ion Ratio Lower Upper
128 100
127 19.1 10.8 16.2#
129 11.0 8.6 13.0

