

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015863.D
 Acq On : 06 Oct 2023 15:35
 Operator : SY/MD
 Sample : 04733-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 07 07:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

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

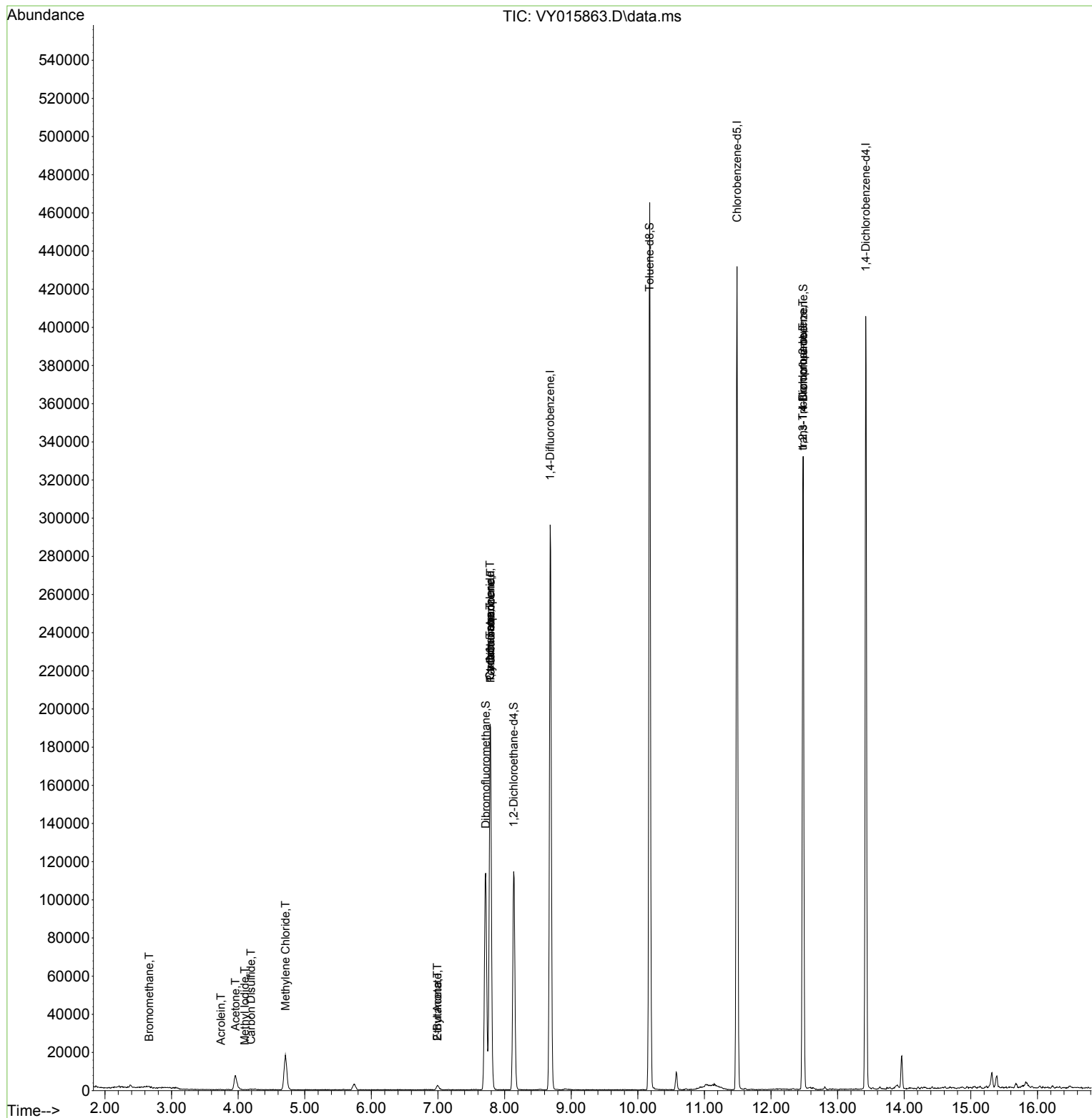
Internal Standards						
1) Pentafluorobenzene	7.789	168	152741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	258717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	103068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88687	59.018	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.040%			
35) Dibromofluoromethane	7.716	113	81574	55.316	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.640%			
50) Toluene-d8	10.179	98	301882	63.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 126.100%			
62) 4-Bromofluorobenzene	12.483	95	98445	50.302	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.600%			
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	253	1.182	ug/l #	72
10) Methyl Iodide	4.100	142	45	3.135	ug/l #	38
13) Acrolein	3.741	56	155	1.337	ug/l #	14
16) Acetone	3.960	43	14719	18.906	ug/l #	75
17) Carbon Disulfide	4.192	76	669	3.321	ug/l #	76
20) Methylene Chloride	4.710	84	13930	1.830	ug/l	83
25) 2-Butanone	6.990	43	4087	3.816	ug/l	96
31) Cyclohexane	7.783	56	2908	1.717	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11706	6.654	ug/l #	50
37) Ethyl Acetate	6.990	43	4087	2.076	ug/l #	71
38) Carbon Tetrachloride	7.783	117	15223	7.359	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	50847	33.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50847	77.145	ug/l #	10

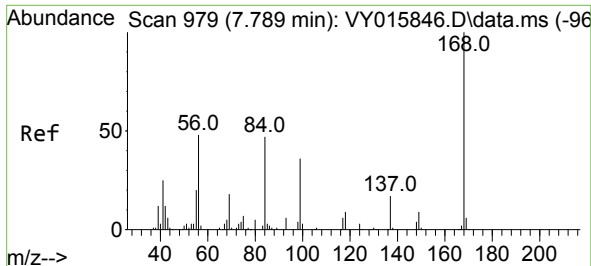
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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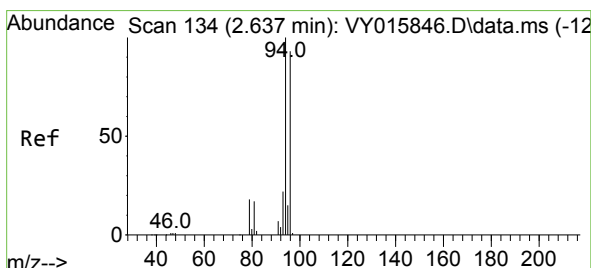
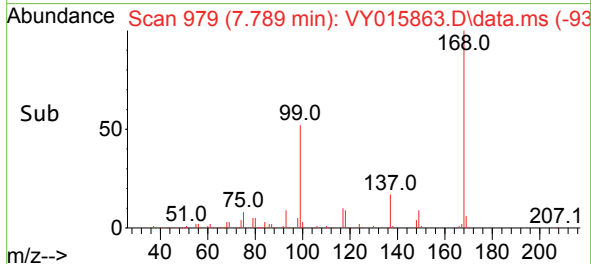
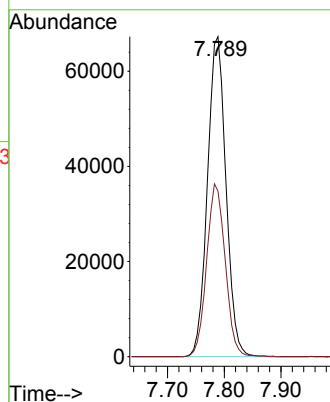
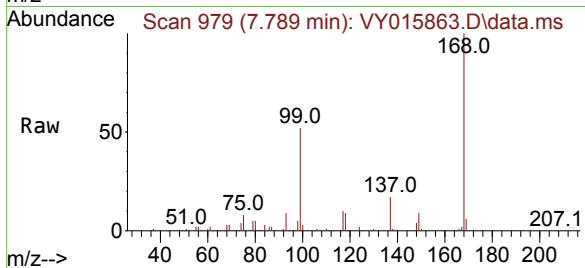




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

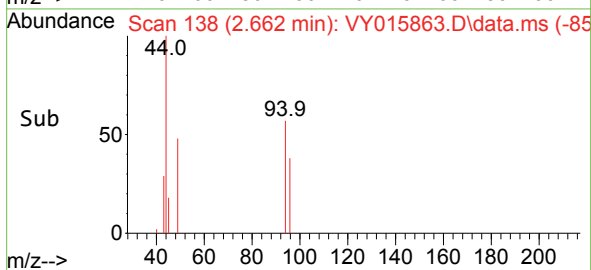
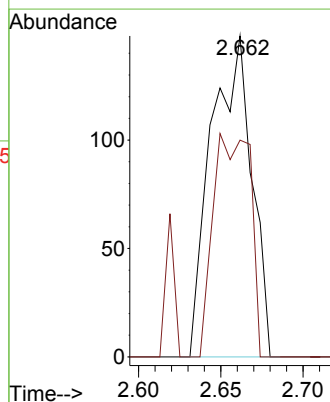
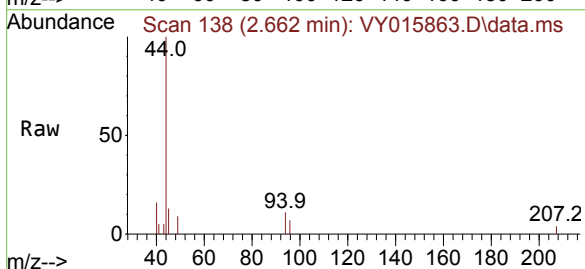
Instrument :
MSVOA_Y
ClientSampleId :

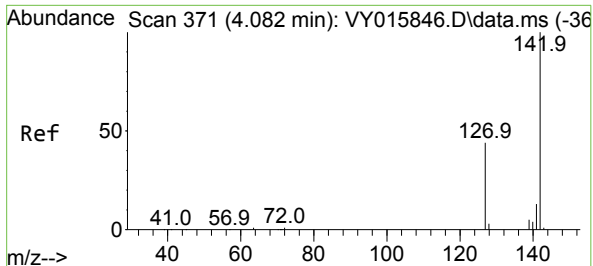
Tgt Ion:168 Resp: 152741
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#5
Bromomethane
Concen: 1.182 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Tgt Ion: 94 Resp: 253
Ion Ratio Lower Upper
94 100
96 67.6 75.8 113.6#

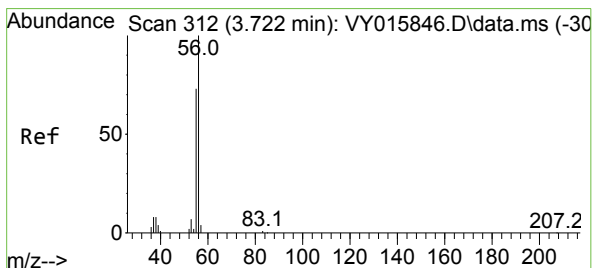
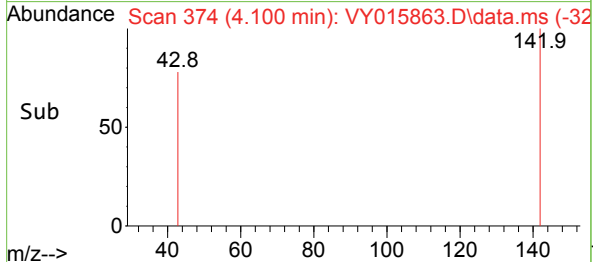
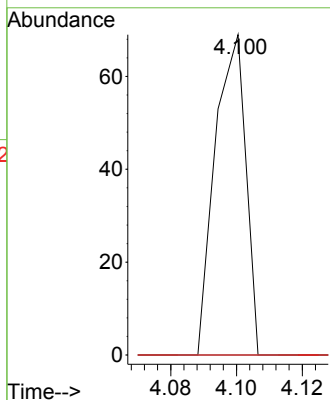
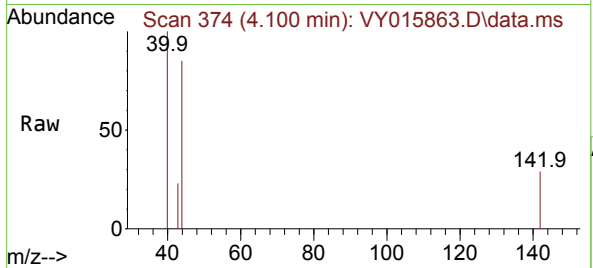




#10
Methyl Iodide
Concen: 3.135 ug/l
RT: 4.100 min Scan# 315
Delta R.T. 0.018 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

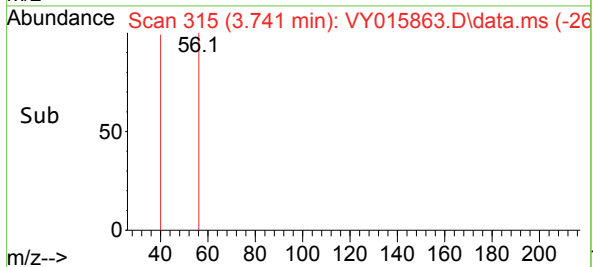
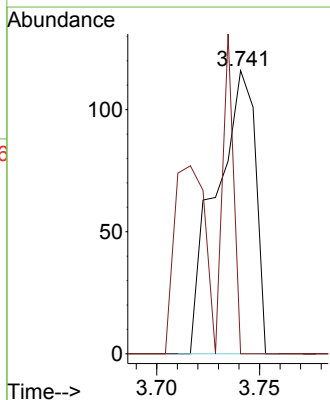
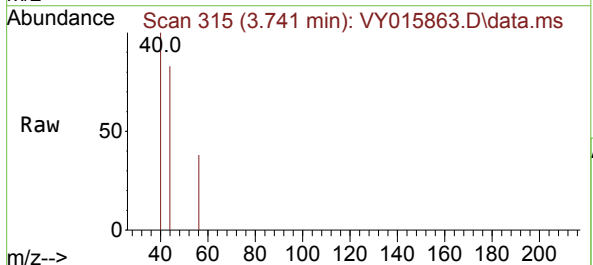
Instrument :
MSVOA_Y
ClientSampleId :

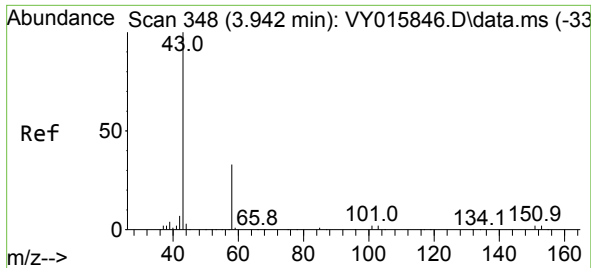
Tgt Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: 1.337 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.018 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

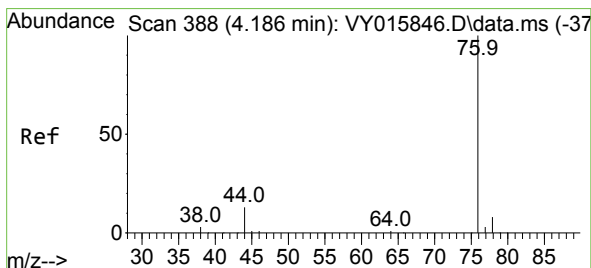
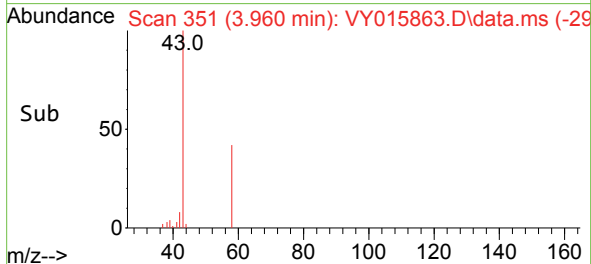
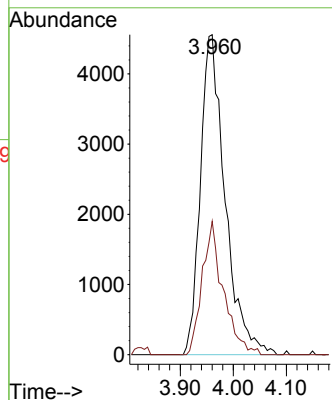
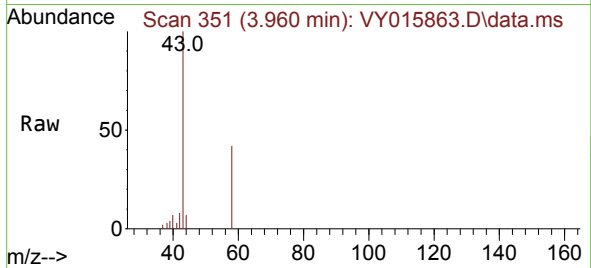




#16
Acetone
Concen: 18.906 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

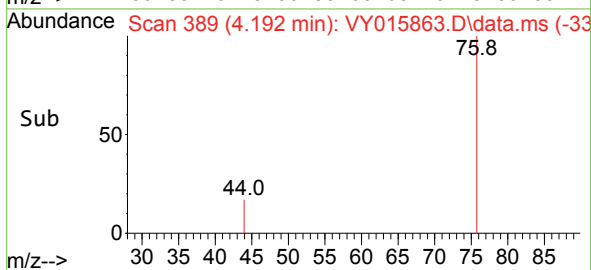
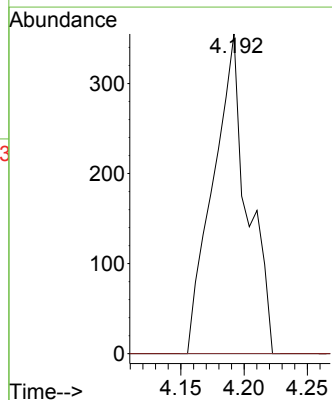
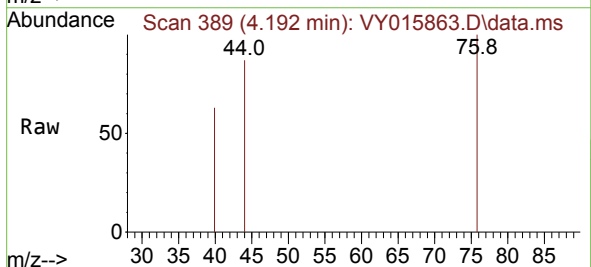
Instrument :
MSVOA_Y
ClientSampleId :

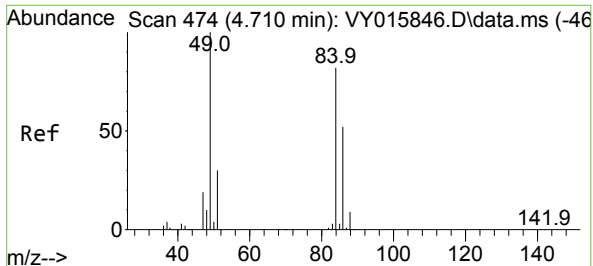
Tgt Ion: 43 Resp: 14719
Ion Ratio Lower Upper
43 100
58 41.6 22.7 34.1#



#17
Carbon Disulfide
Concen: 3.321 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

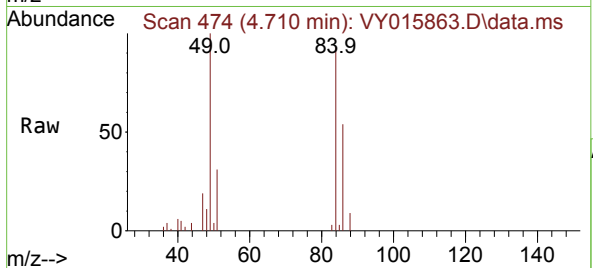
Tgt Ion: 76 Resp: 669
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



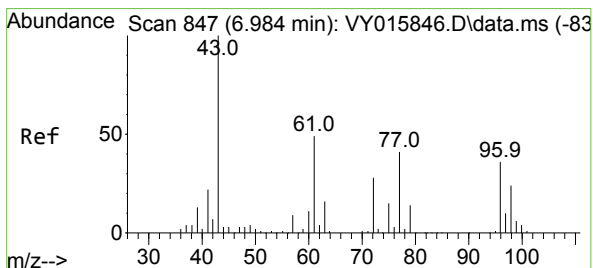
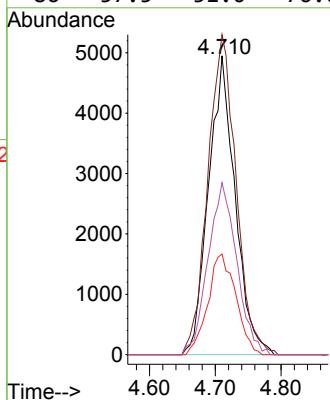
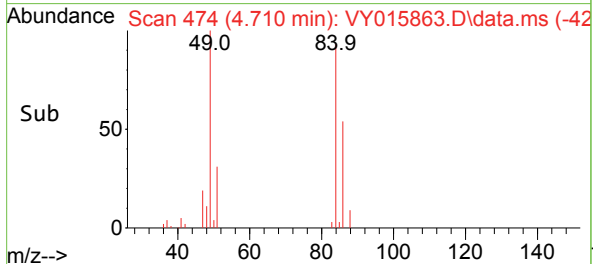


#20
Methylene Chloride
Concen: 1.830 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :

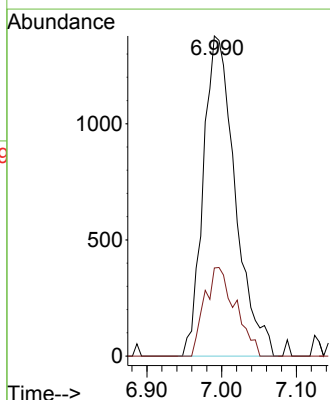
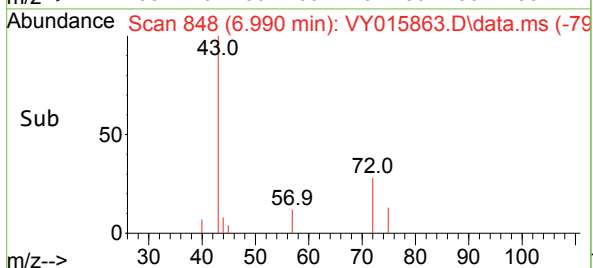
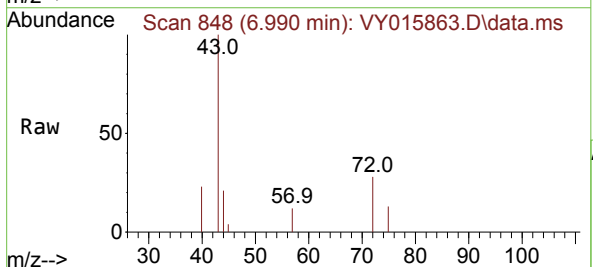


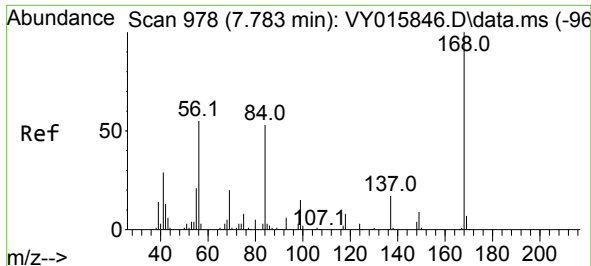
Tgt Ion:	84	Resp:	13930
Ion	Ratio	Lower	Upper
84	100		
49	107.1	106.9	160.3
51	33.7	33.2	49.8
86	57.5	51.0	76.6



#25
2-Butanone
Concen: 3.816 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

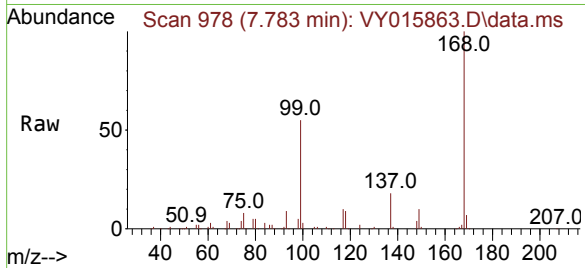
Tgt Ion:	43	Resp:	4087
Ion	Ratio	Lower	Upper
43	100		
72	27.5	20.5	30.7



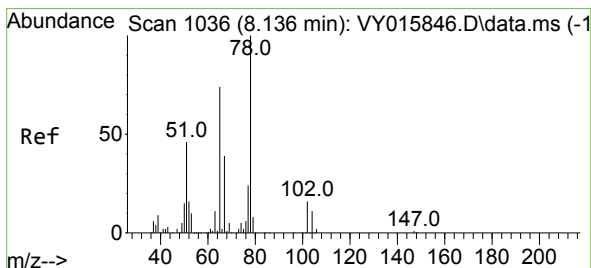
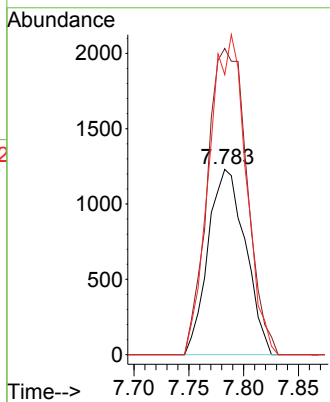
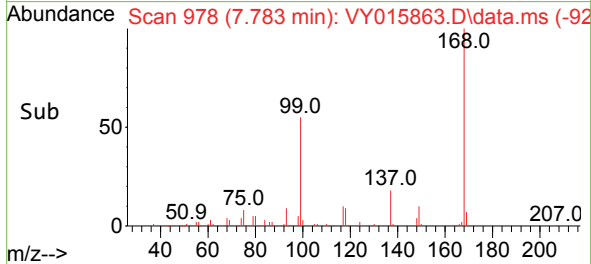


#31
Cyclohexane
Concen: 1.717 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :

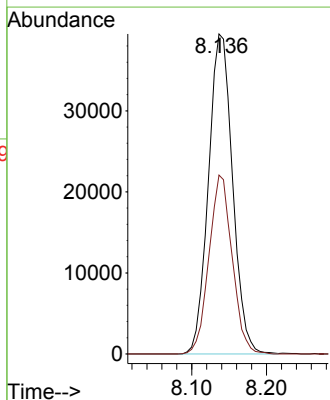
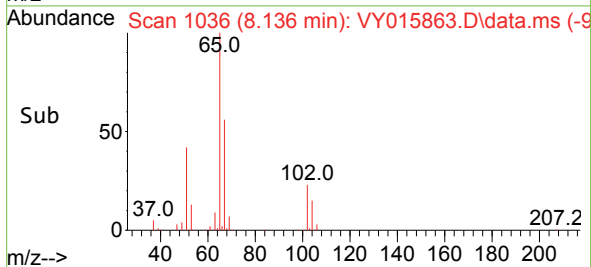
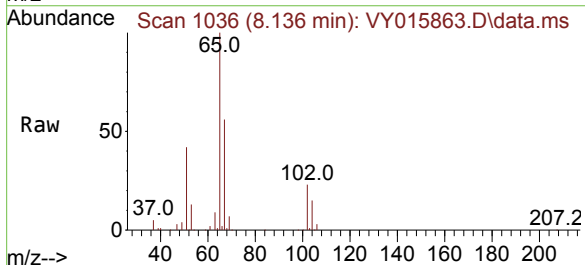


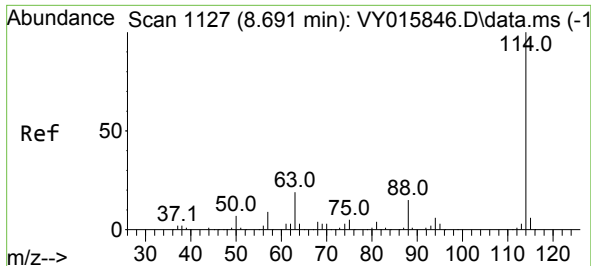
Tgt Ion: 56 Resp: 2908
Ion Ratio Lower Upper
56 100
69 165.3 27.8 41.6#
84 151.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.018 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Tgt Ion: 65 Resp: 88687
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY015863.D

Acq: 06 Oct 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

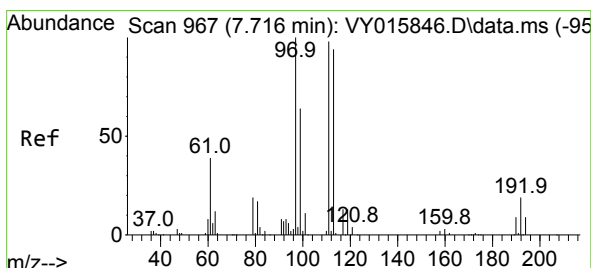
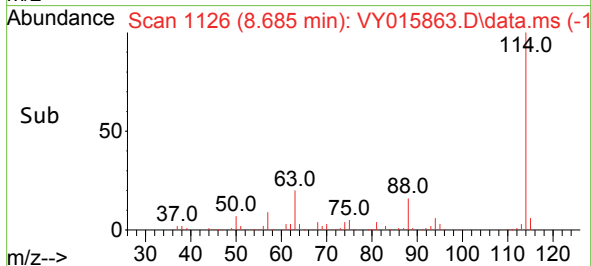
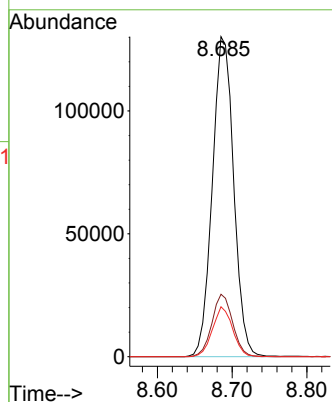
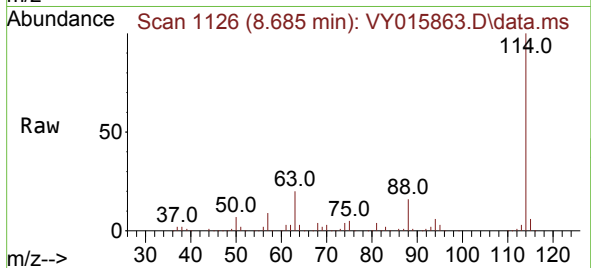
Tgt Ion:114 Resp: 258717

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.316 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015863.D

Acq: 06 Oct 2023 15:35

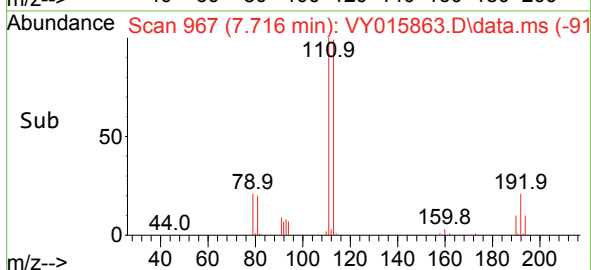
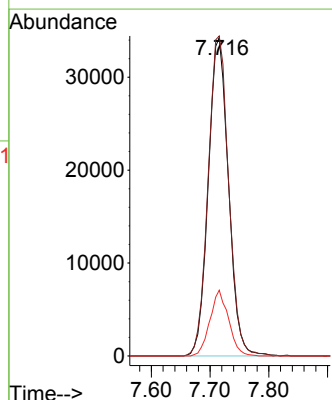
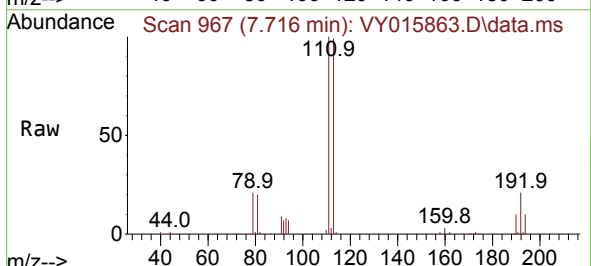
Tgt Ion:113 Resp: 81574

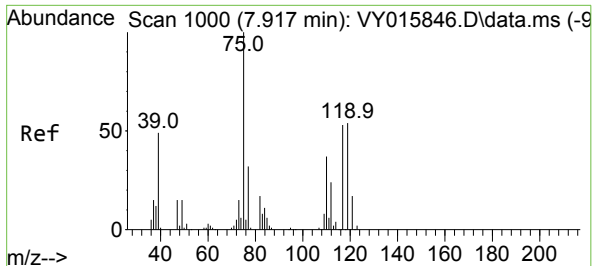
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

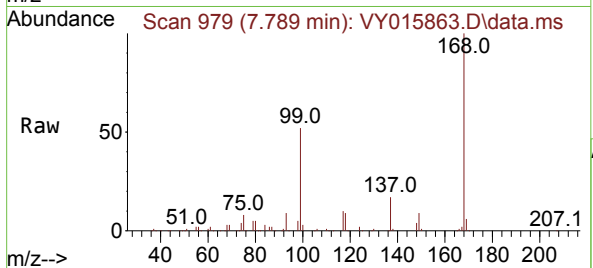
192 19.2 16.9 25.3



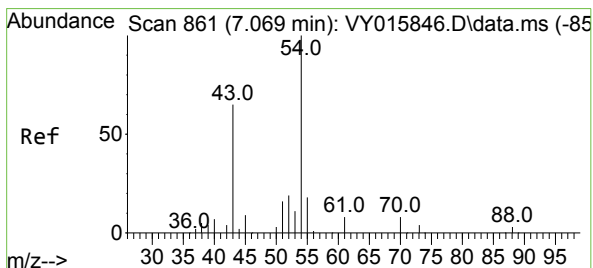
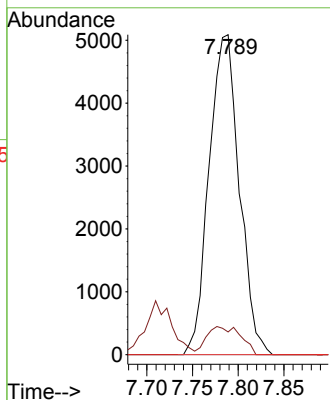
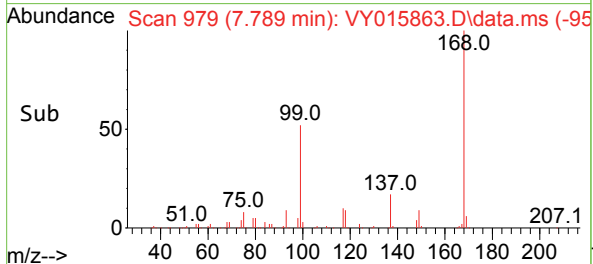


#36
 1,1-Dichloropropene
 Concen: 6.654 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015863.D
 Acq: 06 Oct 2023 15:35

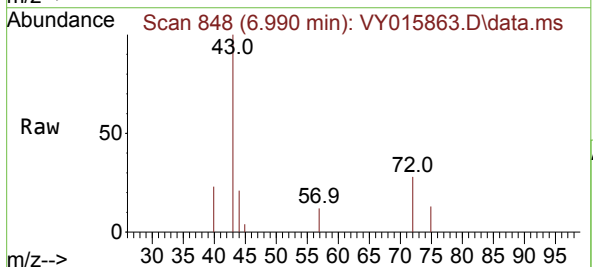
Instrument :
 MSVOA_Y
 ClientSampleId :



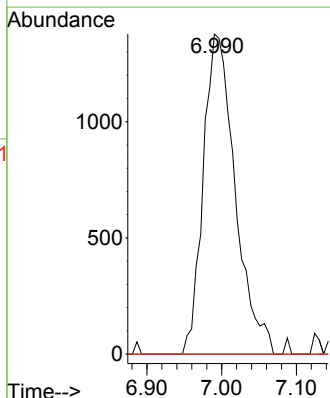
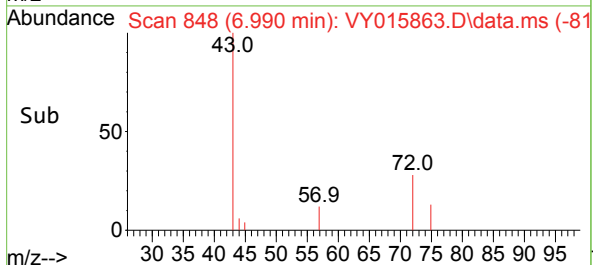
Tgt Ion: 75 Resp: 11706
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.8 53.5#
 77 0.0 24.4 36.6#

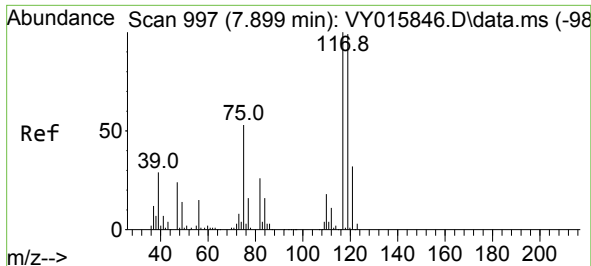


#37
 Ethyl Acetate
 Concen: 2.076 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. -0.079 min
 Lab File: VY015863.D
 Acq: 06 Oct 2023 15:35



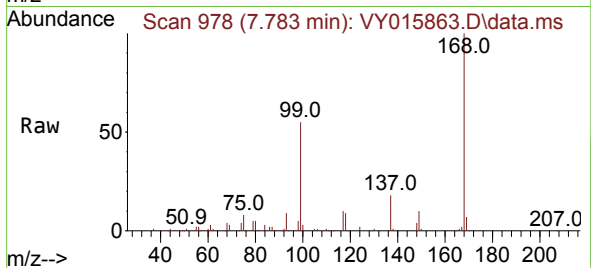
Tgt Ion: 43 Resp: 4087
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



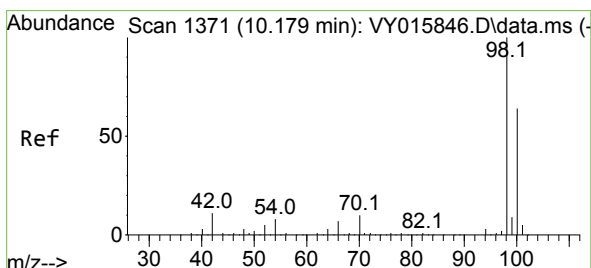
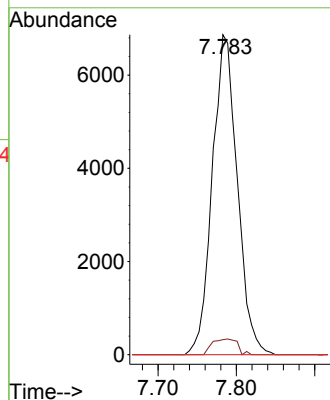
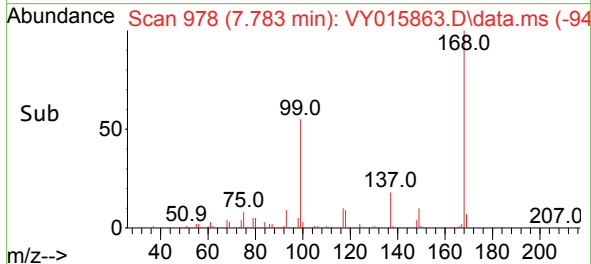


#38
Carbon Tetrachloride
Concen: 7.359 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :

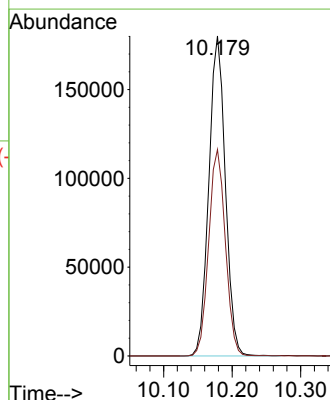
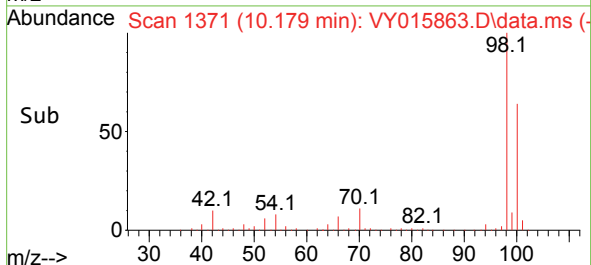
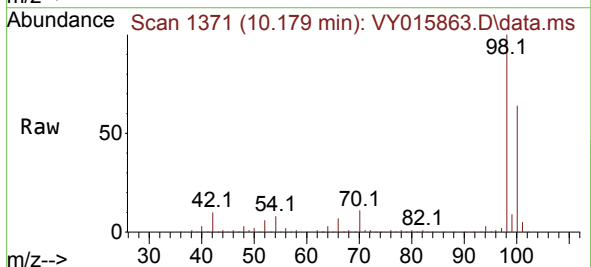


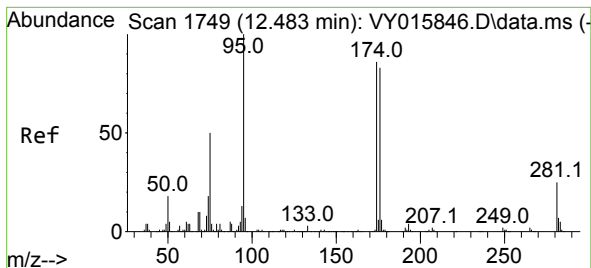
Tgt Ion:117 Resp: 15223
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 63.051 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Tgt Ion: 98 Resp: 301882
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

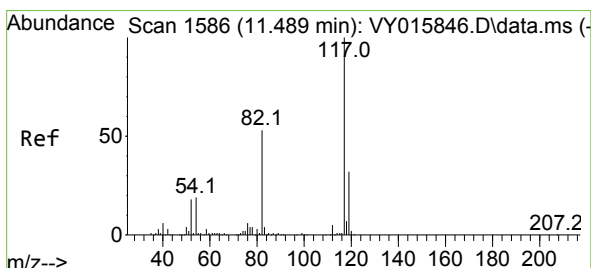
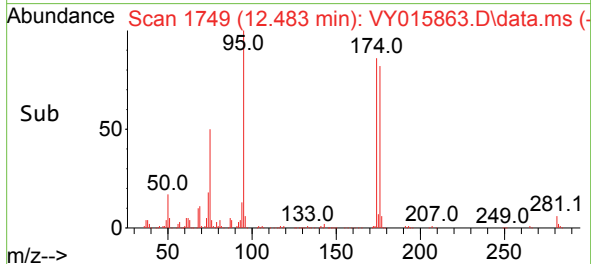
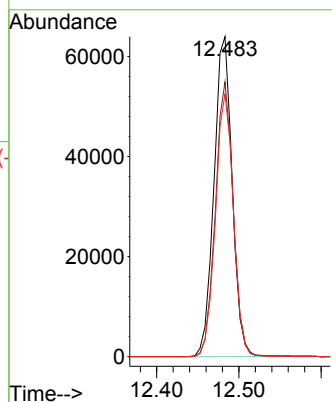
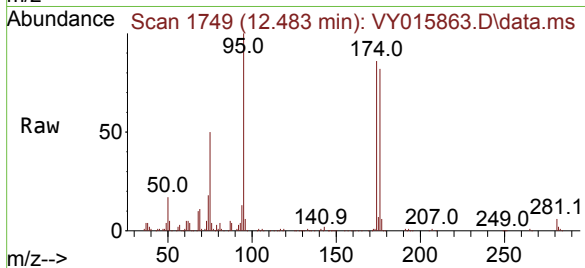




#62
4-Bromofluorobenzene
Concen: 50.302 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

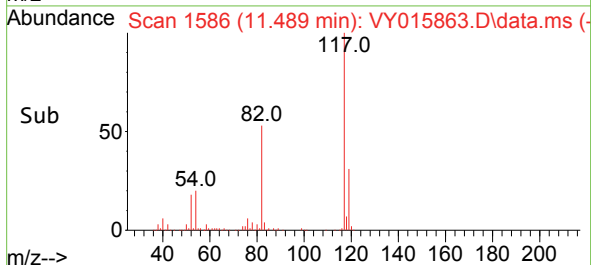
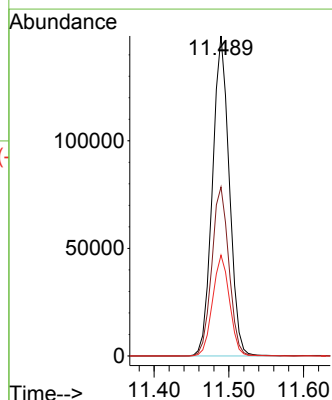
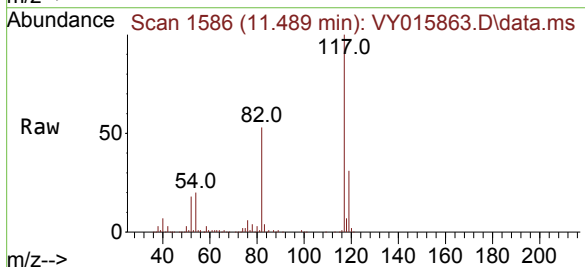
Instrument :
MSVOA_Y
ClientSampleId :

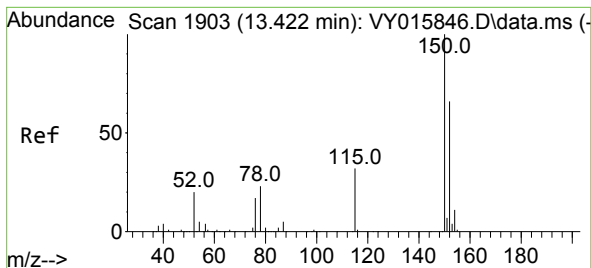
Tgt Ion: 95 Resp: 98445
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 80.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015863.D
Acq: 06 Oct 2023 15:35

Tgt Ion: 117 Resp: 232902
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.5 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

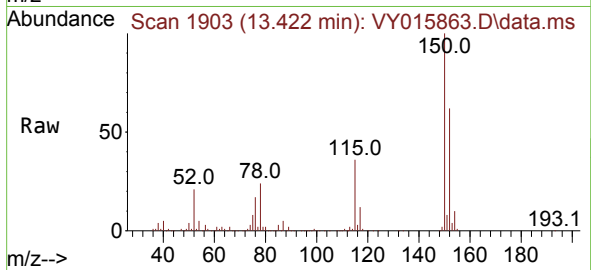
Lab File: VY015863.D

Acq: 06 Oct 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :



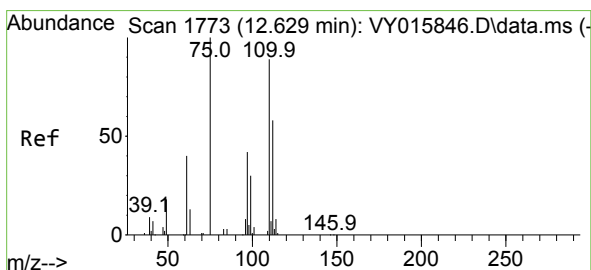
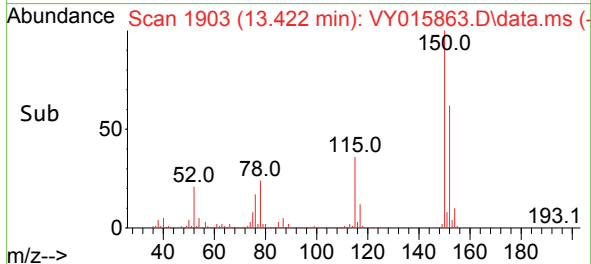
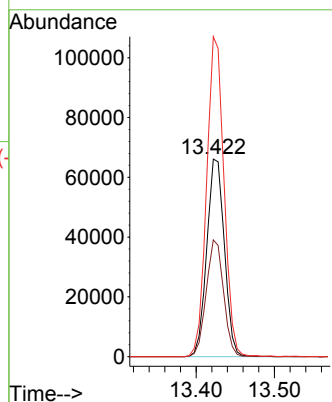
Tgt Ion:152 Resp: 103068

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 159.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.326 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015863.D

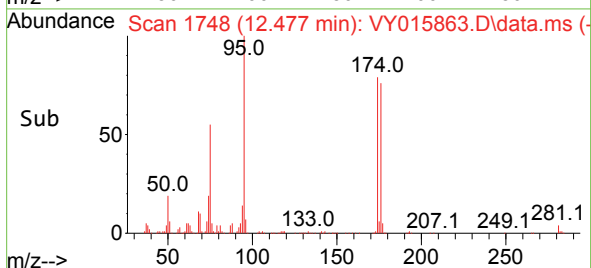
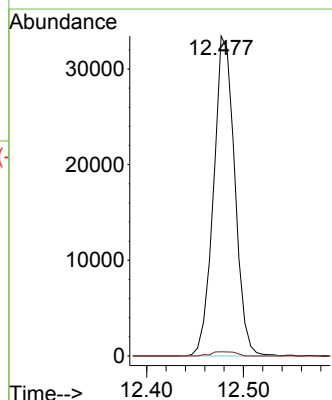
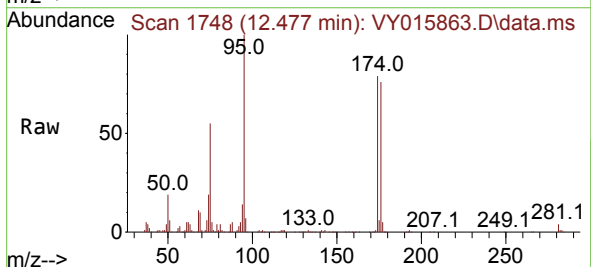
Acq: 06 Oct 2023 15:35

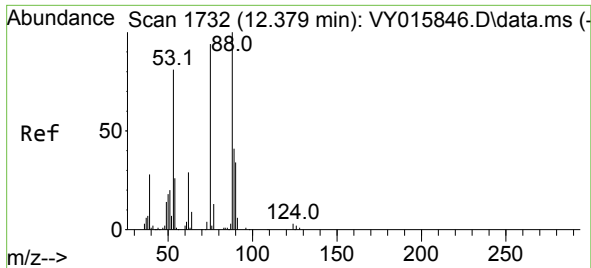
Tgt Ion: 75 Resp: 50847

Ion Ratio Lower Upper

75 100

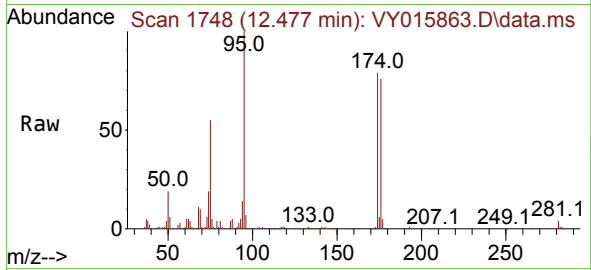
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.145 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY015863.D
 Acq: 06 Oct 2023 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 50847
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

