

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013275.D
 Acq On : 12 Apr 2023 18:32
 Operator : KP/MD
 Sample : 02232-02
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230207-4-1

Quant Time: Apr 13 06:18:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

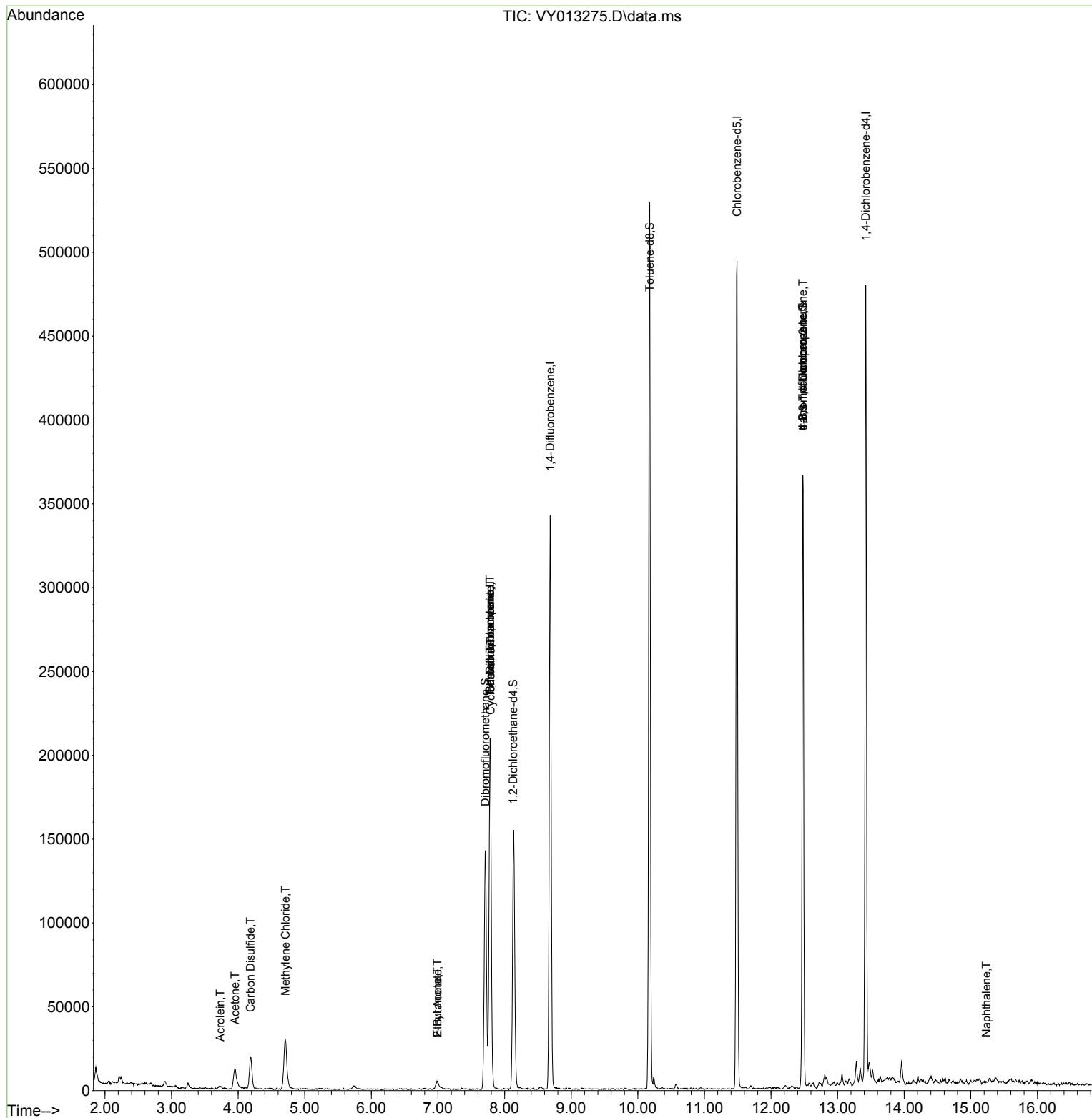
Internal Standards						
1) Pentafluorobenzene	7.783	168	158433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	273099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	121840	63.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.980%	
35) Dibromofluoromethane	7.710	113	98847	55.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.820%	
50) Toluene-d8	10.179	98	340045	51.672	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.477	95	103759	48.526	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.060%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.991	59	237	Below Cal		96
13) Acrolein	3.729	56	2097	8.966	ug/l #	75
16) Acetone	3.954	43	28034	42.823	ug/l	89
17) Carbon Disulfide	4.186	76	37407	7.621	ug/l	98
20) Methylene Chloride	4.710	84	20675	8.402	ug/l	95
25) 2-Butanone	6.990	43	7674	9.155	ug/l #	88
31) Cyclohexane	7.789	56	4334	1.505	ug/l #	44
36) 1,1-Dichloropropene	7.783	75	13078	4.883	ug/l #	49
37) Ethyl Acetate	6.990	43	7674	3.554	ug/l #	70
38) Carbon Tetrachloride	7.783	117	15931	5.379	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	57025	38.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57025	80.688	ug/l #	13
95) Naphthalene	15.233	128	761	3.342	ug/l #	92

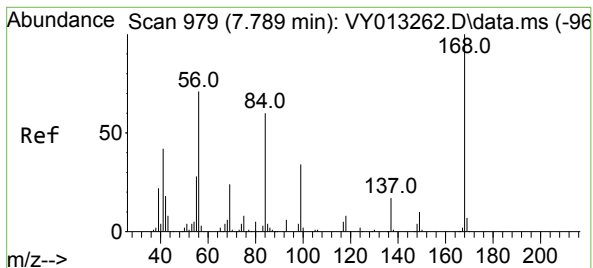
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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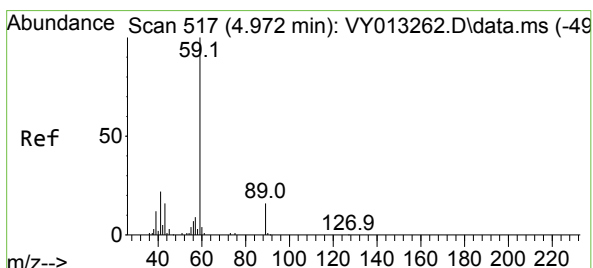
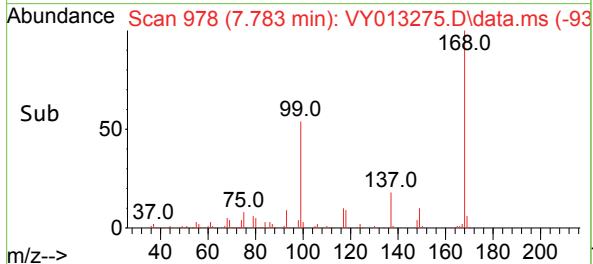
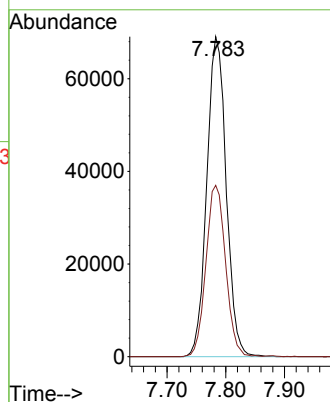
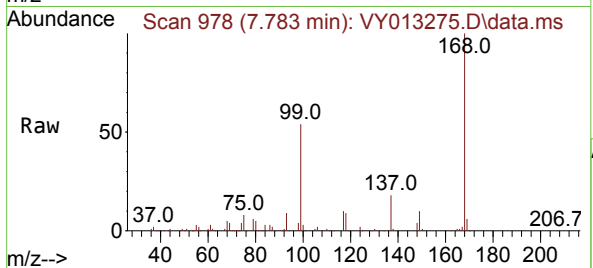




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

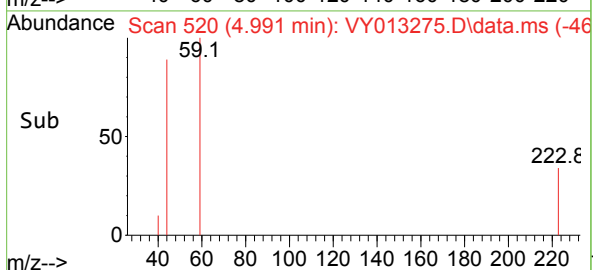
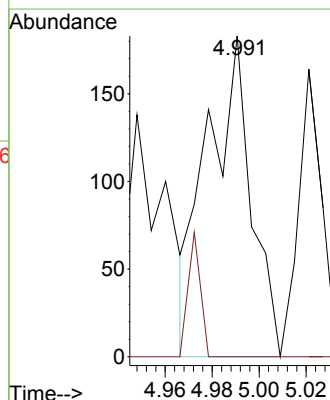
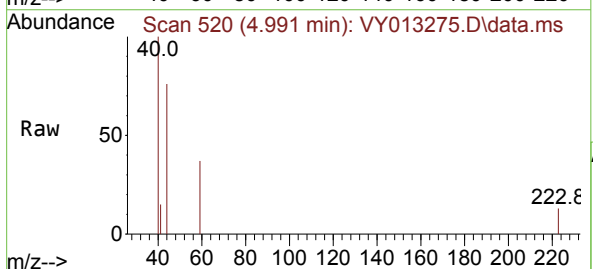
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

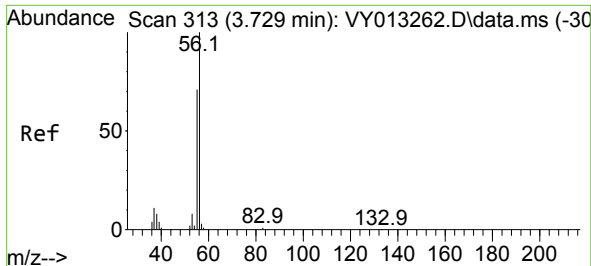
Tgt Ion:168 Resp: 158433
Ion Ratio Lower Upper
168 100
99 53.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.991 min Scan# 520
Delta R.T. 0.019 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 11.0 7.7 11.5

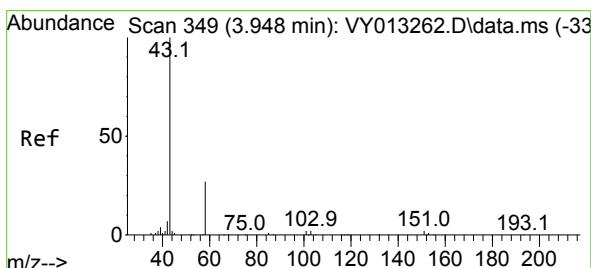
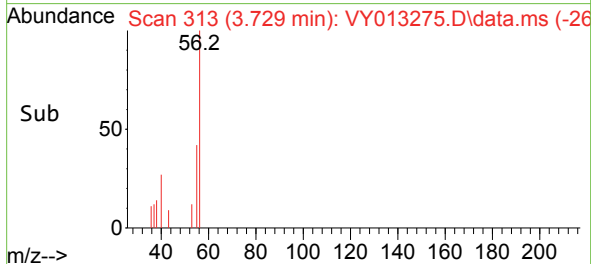
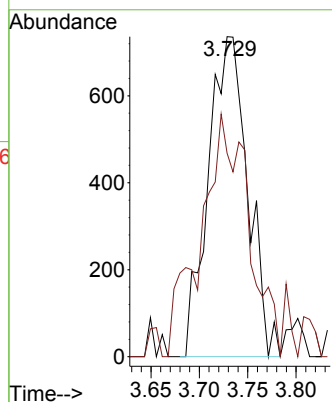
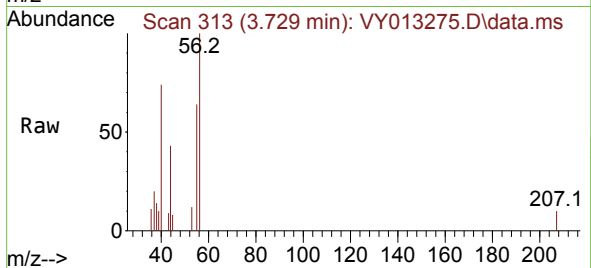




#13
Acrolein
Concen: 8.966 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

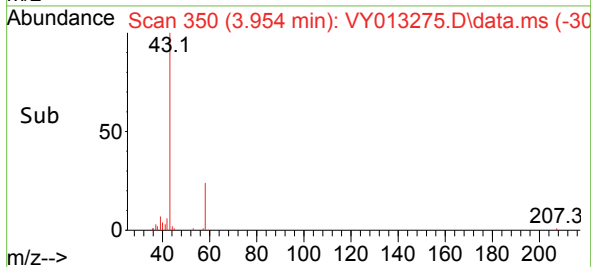
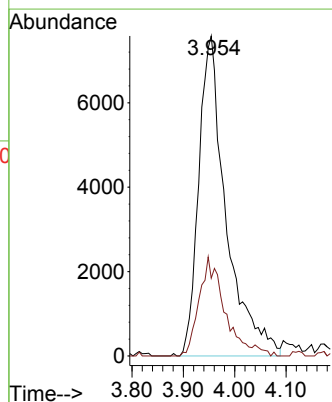
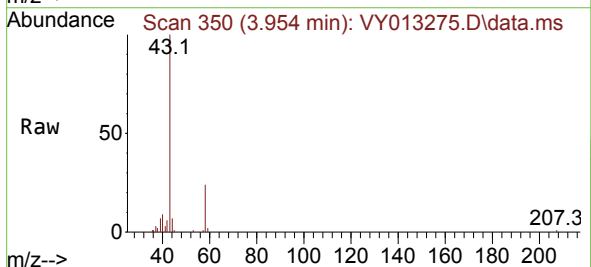
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

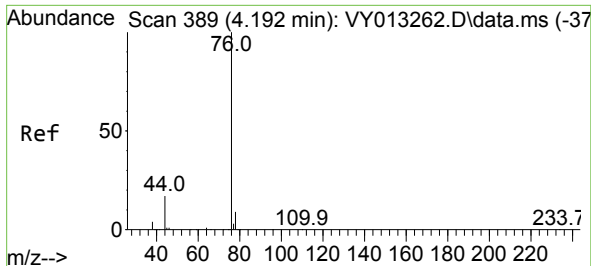
Tgt Ion: 56 Resp: 2097
Ion Ratio Lower Upper
56 100
55 91.6 56.8 85.2#



#16
Acetone
Concen: 42.823 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion: 43 Resp: 28034
Ion Ratio Lower Upper
43 100
58 24.3 24.2 36.2

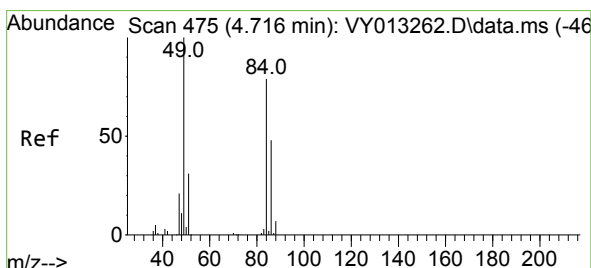
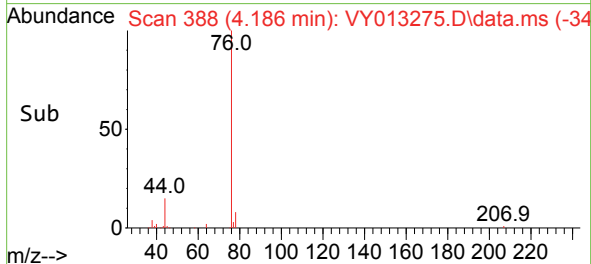
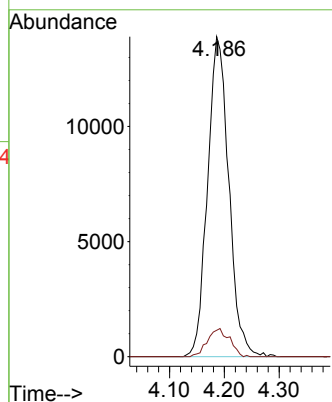
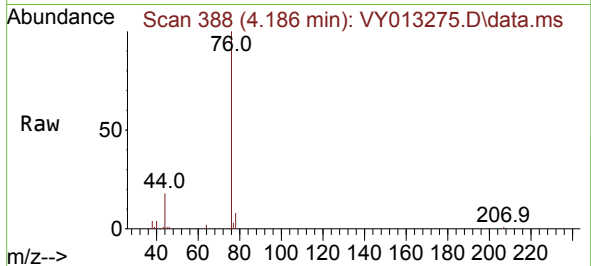




#17
Carbon Disulfide
Concen: 7.621 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

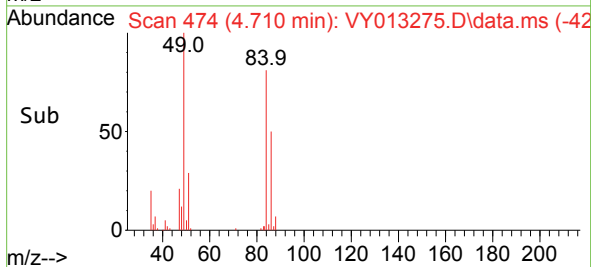
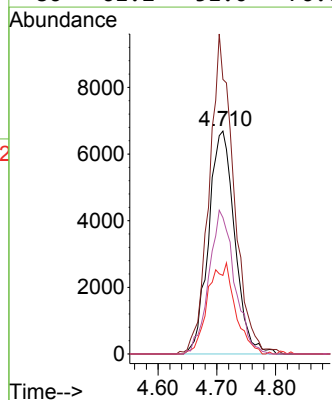
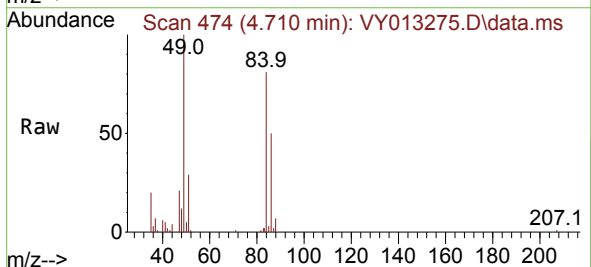
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

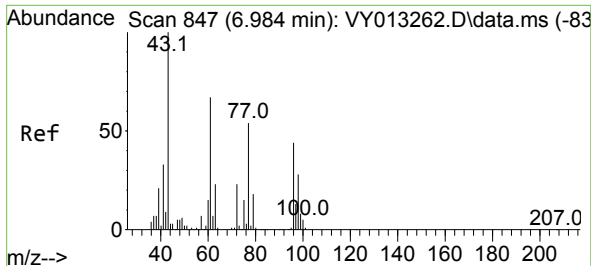
Tgt Ion: 76 Resp: 37407
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#20
Methylene Chloride
Concen: 8.402 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion: 84 Resp: 20675
Ion Ratio Lower Upper
84 100
49 122.3 102.6 154.0
51 35.2 31.9 47.9
86 61.2 51.0 76.6

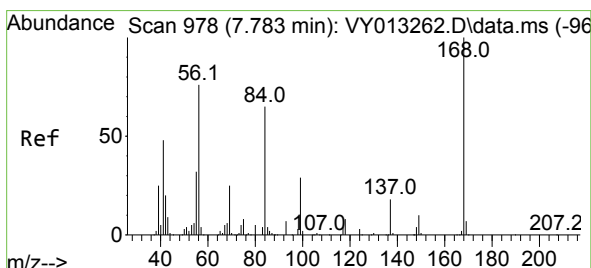
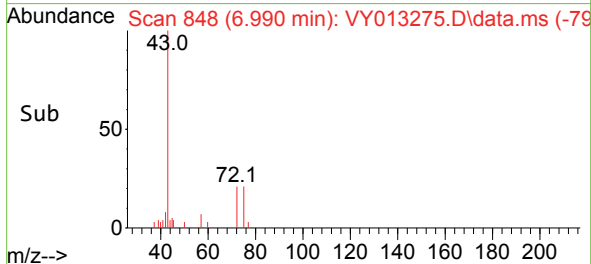
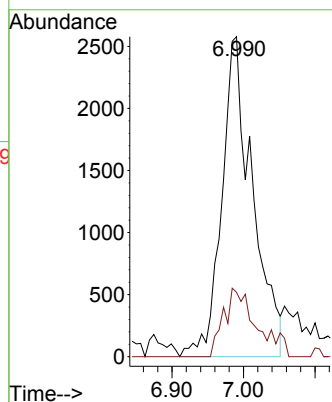
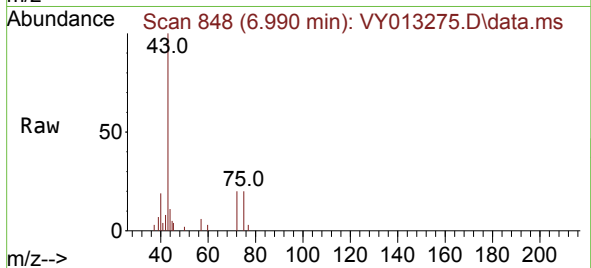




#25
2-Butanone
Concen: 9.155 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

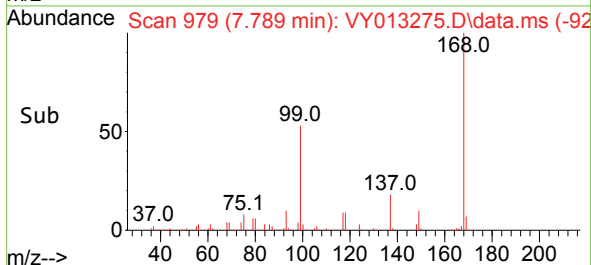
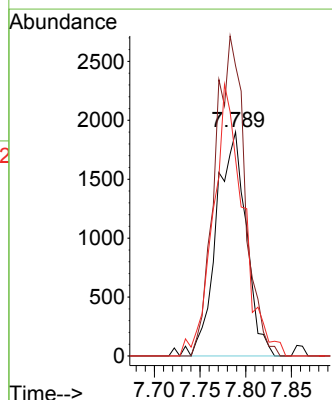
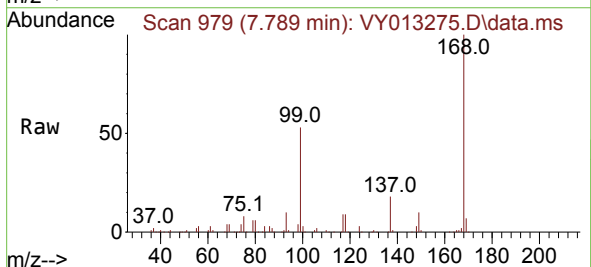
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

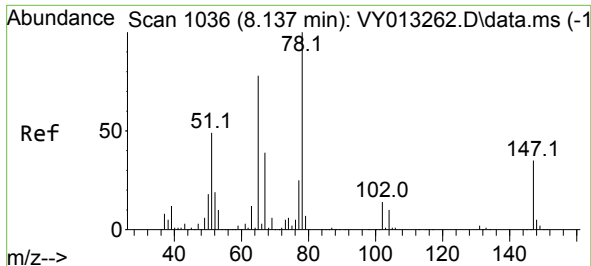
Tgt Ion: 43 Resp: 7674
Ion Ratio Lower Upper
43 100
72 20.1 21.0 31.4#



#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion: 56 Resp: 4334
Ion Ratio Lower Upper
56 100
69 129.5 25.7 38.5#
84 87.9 64.3 96.5

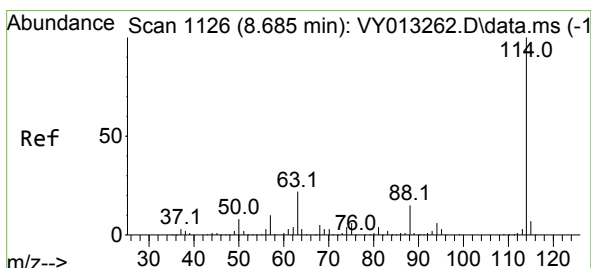
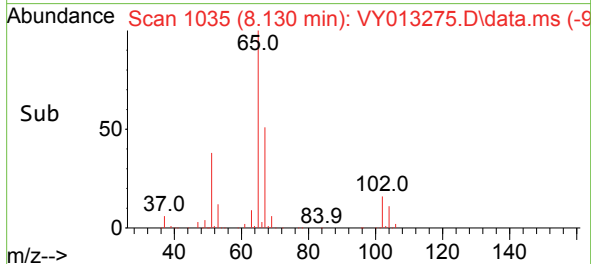
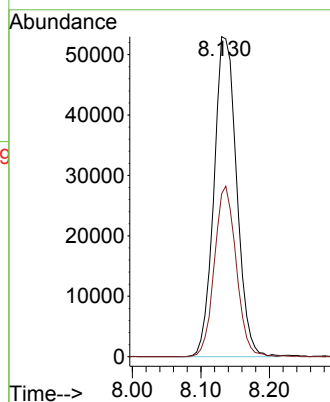
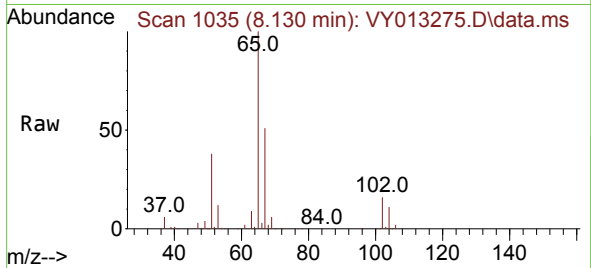




#33
 1,2-Dichloroethane-d4
 Concen: 63.992 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

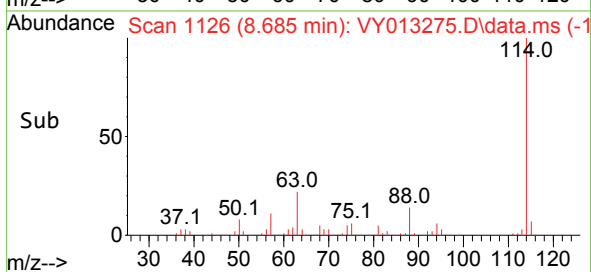
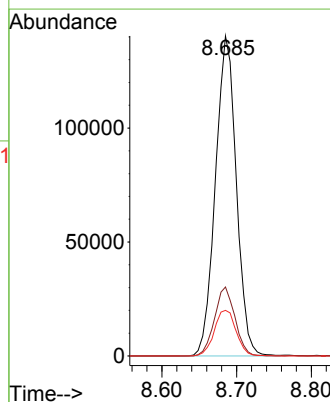
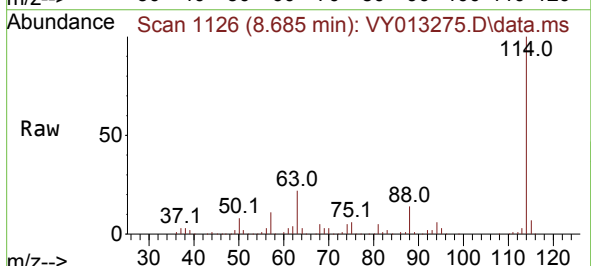
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 20230207-4-1

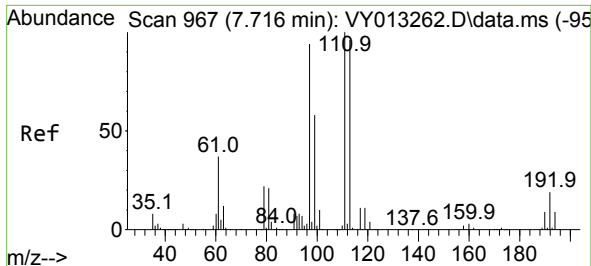
Tgt Ion: 65 Resp: 121840
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

Tgt Ion: 114 Resp: 273099
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 37.4
 88 14.3 0.0 28.6

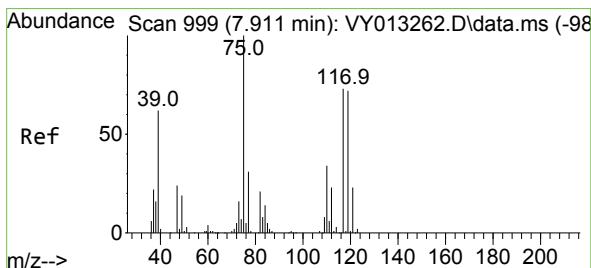
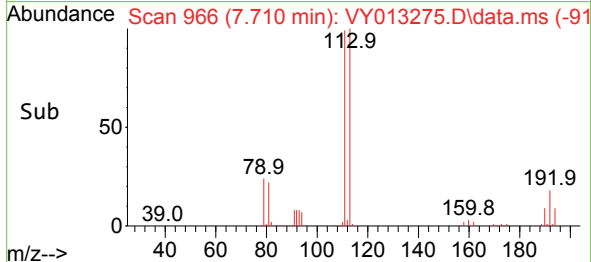
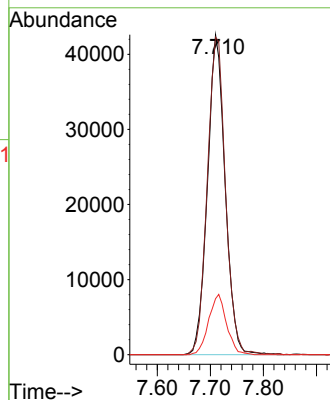
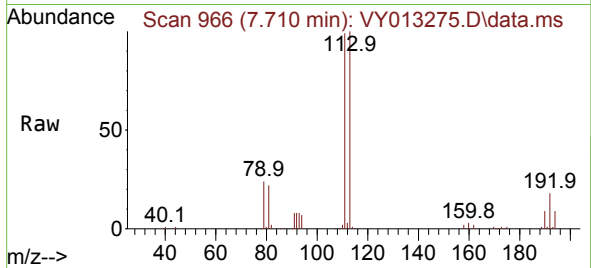




#35
 Dibromofluoromethane
 Concen: 55.908 ug/l
 RT: 7.710 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

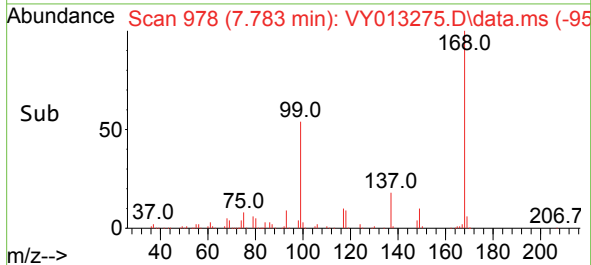
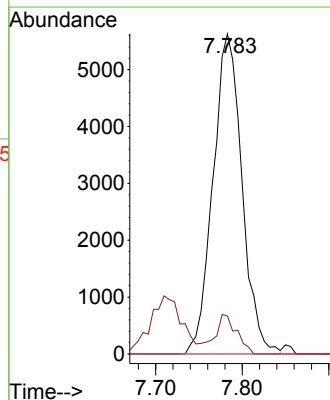
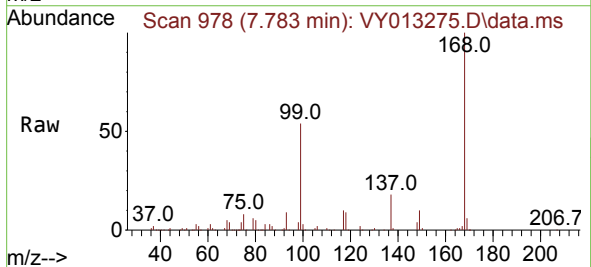
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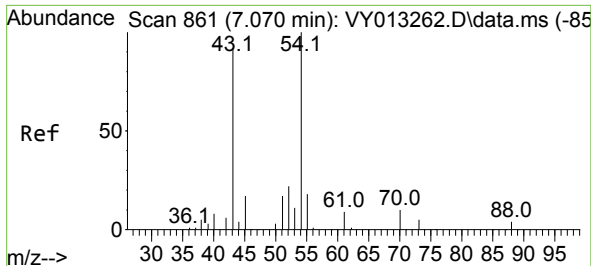
Tgt Ion:113	Resp:	98847
Ion	Ratio	Lower Upper
113	100	
111	101.7	82.2 123.2
192	19.1	16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.883 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

Tgt Ion: 75	Resp:	13078
Ion	Ratio	Lower Upper
75	100	
110	9.1	17.8 53.3#
77	0.0	25.0 37.4#





#37

Ethyl Acetate

Concen: 3.554 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013275.D

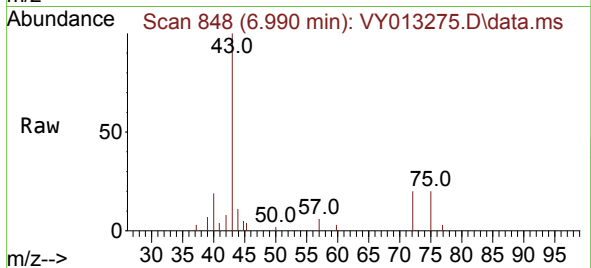
Acq: 12 Apr 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

20230207-4-1



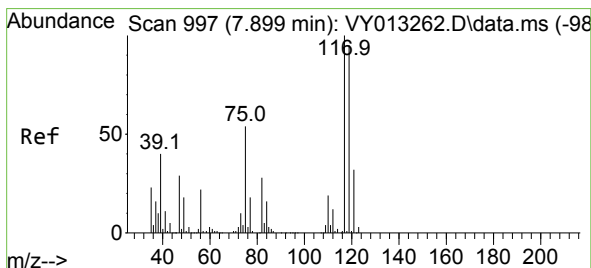
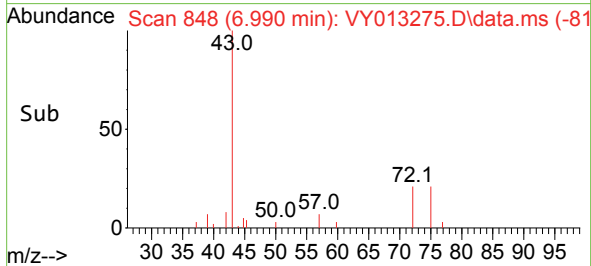
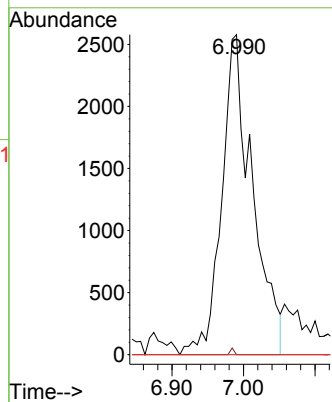
Tgt Ion: 43 Resp: 7674

Ion Ratio Lower Upper

43 100

61 0.3 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013275.D

Acq: 12 Apr 2023 18:32

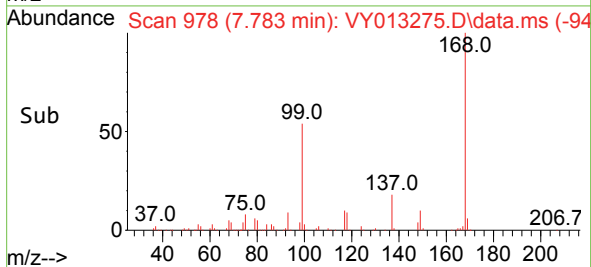
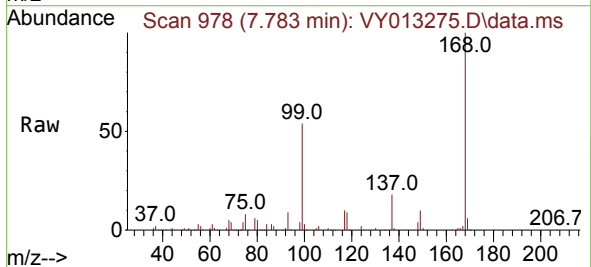
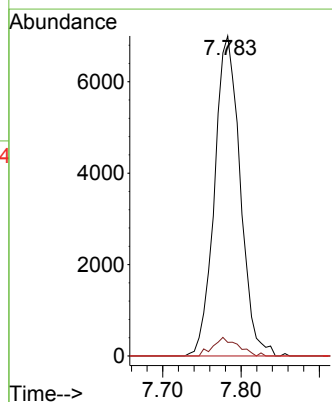
Tgt Ion: 117 Resp: 15931

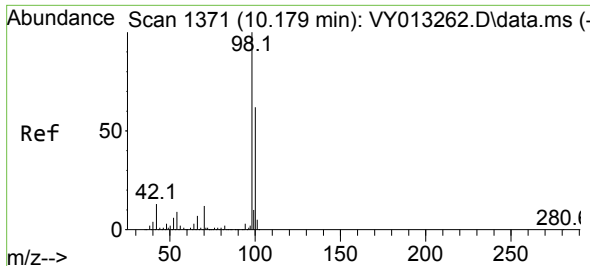
Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

121 0.0 24.7 37.1#

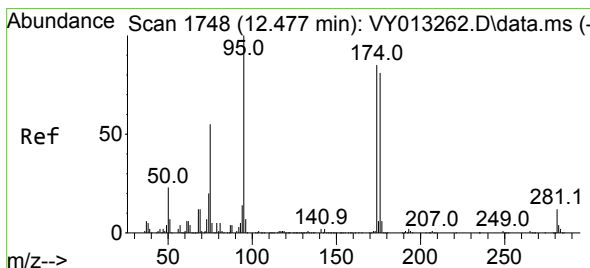
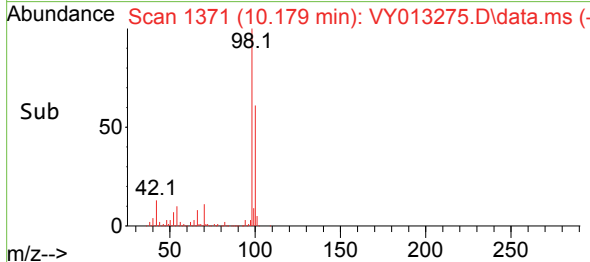
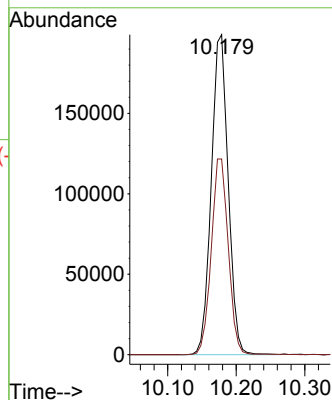
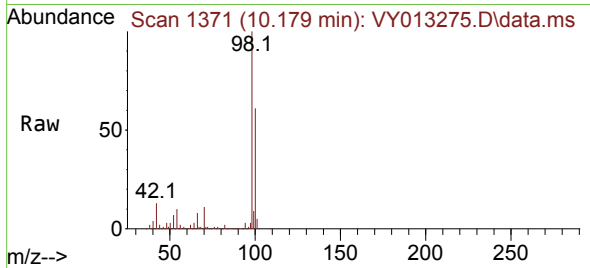




#50
Toluene-d8
Concen: 51.672 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

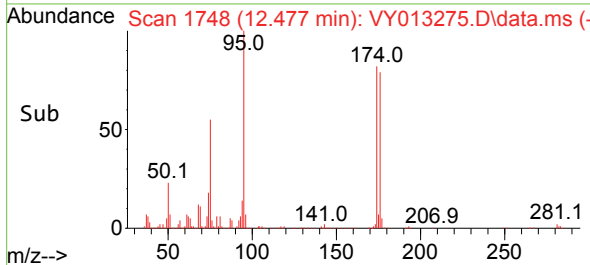
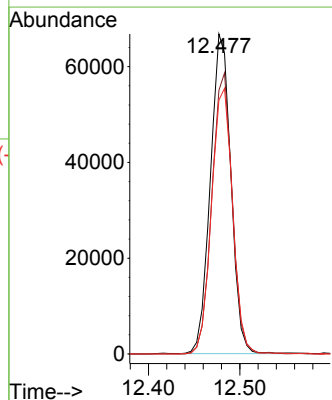
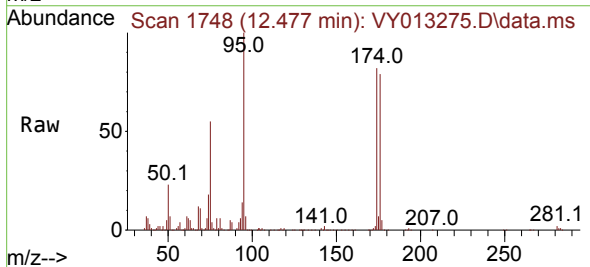
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

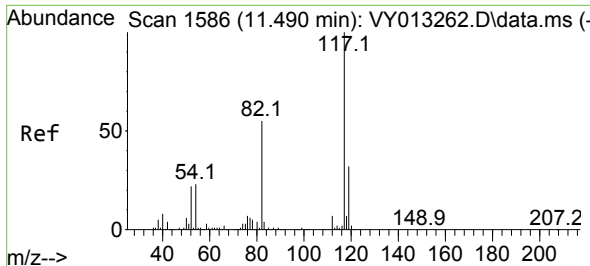
Tgt Ion: 98 Resp: 340045
Ion Ratio Lower Upper
98 100
100 61.6 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.526 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion: 95 Resp: 103759
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.6
176 85.3 0.0 170.2

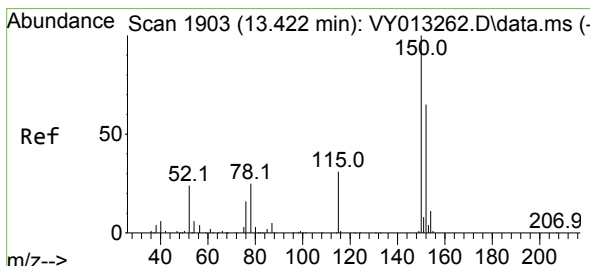
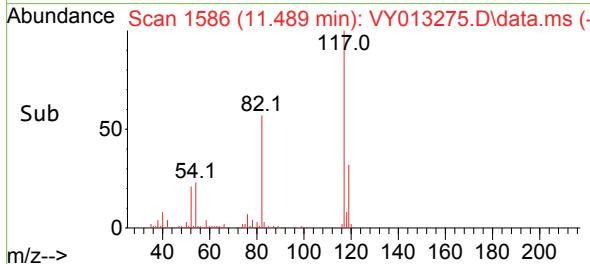
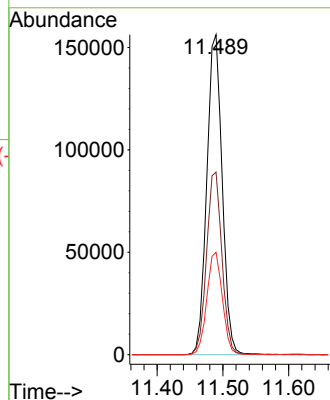
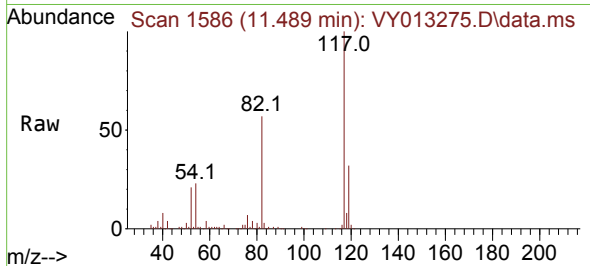




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

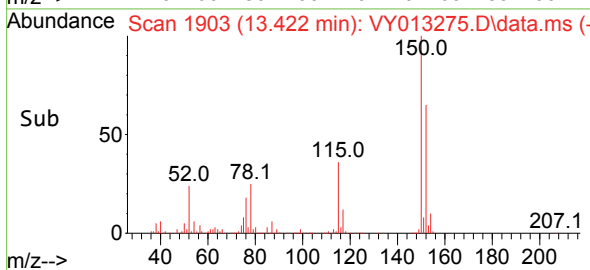
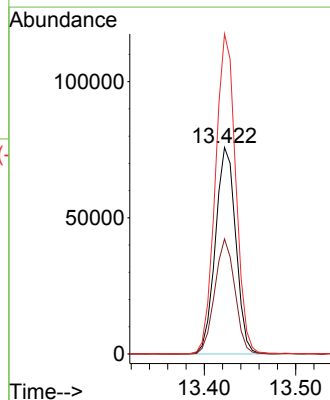
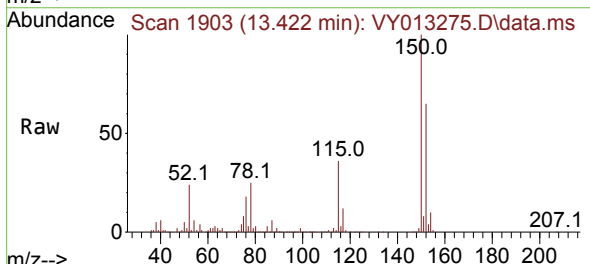
Instrument :
MSVOA_Y
ClientSampleId :
20230207-4-1

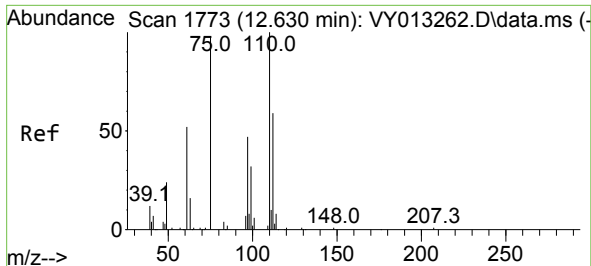
Tgt Ion:117 Resp: 254477
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013275.D
Acq: 12 Apr 2023 18:32

Tgt Ion:152 Resp: 117715
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.3
150 154.7 0.0 347.8

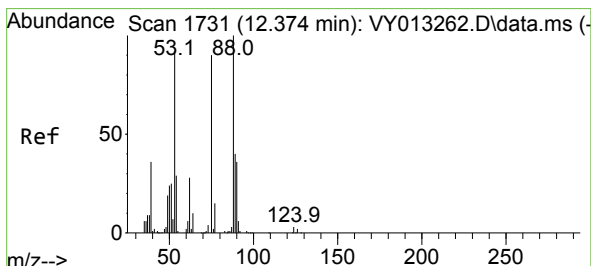
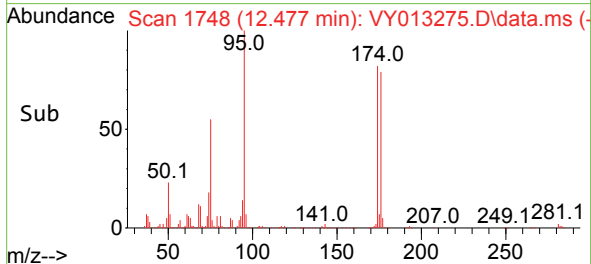
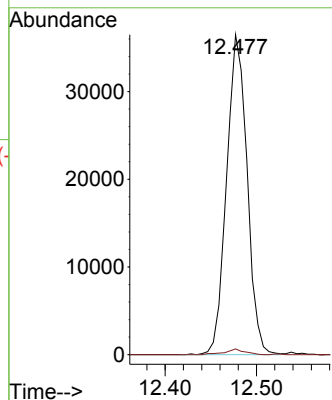
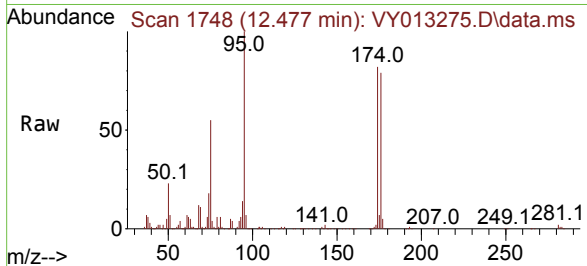




#76
 1,2,3-Trichloropropane
 Concen: 38.877 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

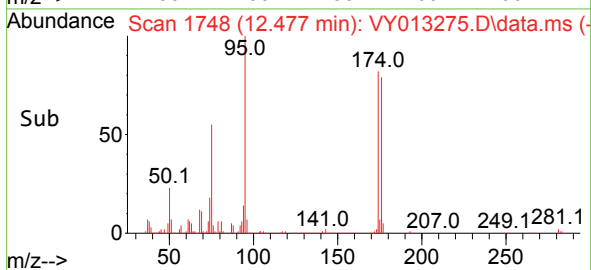
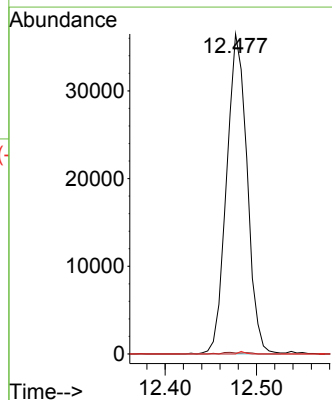
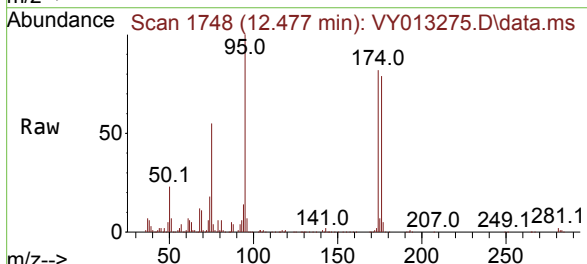
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230207-4-1

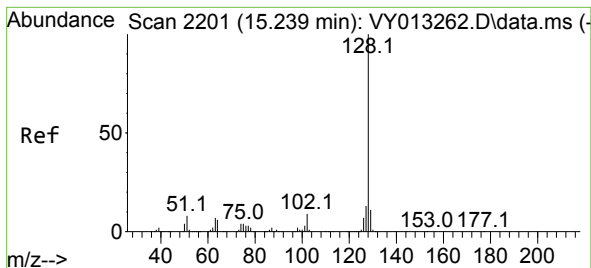
Tgt Ion: 75 Resp: 57025
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.688 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.104 min
 Lab File: VY013275.D
 Acq: 12 Apr 2023 18:32

Tgt Ion: 75 Resp: 57025
 Ion Ratio Lower Upper
 75 100
 53 0.6 73.4 110.0#
 89 0.2 36.6 55.0#





#95

Naphthalene

Concen: 3.342 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013275.D

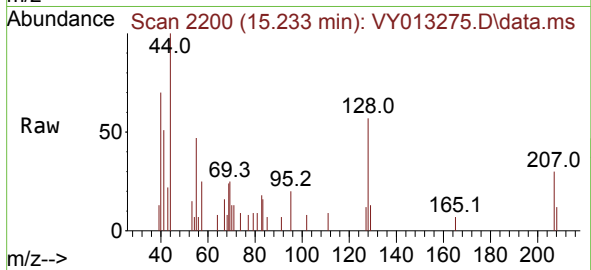
Acq: 12 Apr 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

20230207-4-1



Tgt Ion:128 Resp: 761

Ion Ratio Lower Upper

128 100

127 16.7 10.3 15.5#

129 8.3 8.6 13.0#

