

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013271.D
 Acq On : 12 Apr 2023 16:59
 Operator : KP/MD
 Sample : 02292-03
 Misc : 6.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IDW-SO-VB1-041123

Quant Time: Apr 13 06:17:14 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)

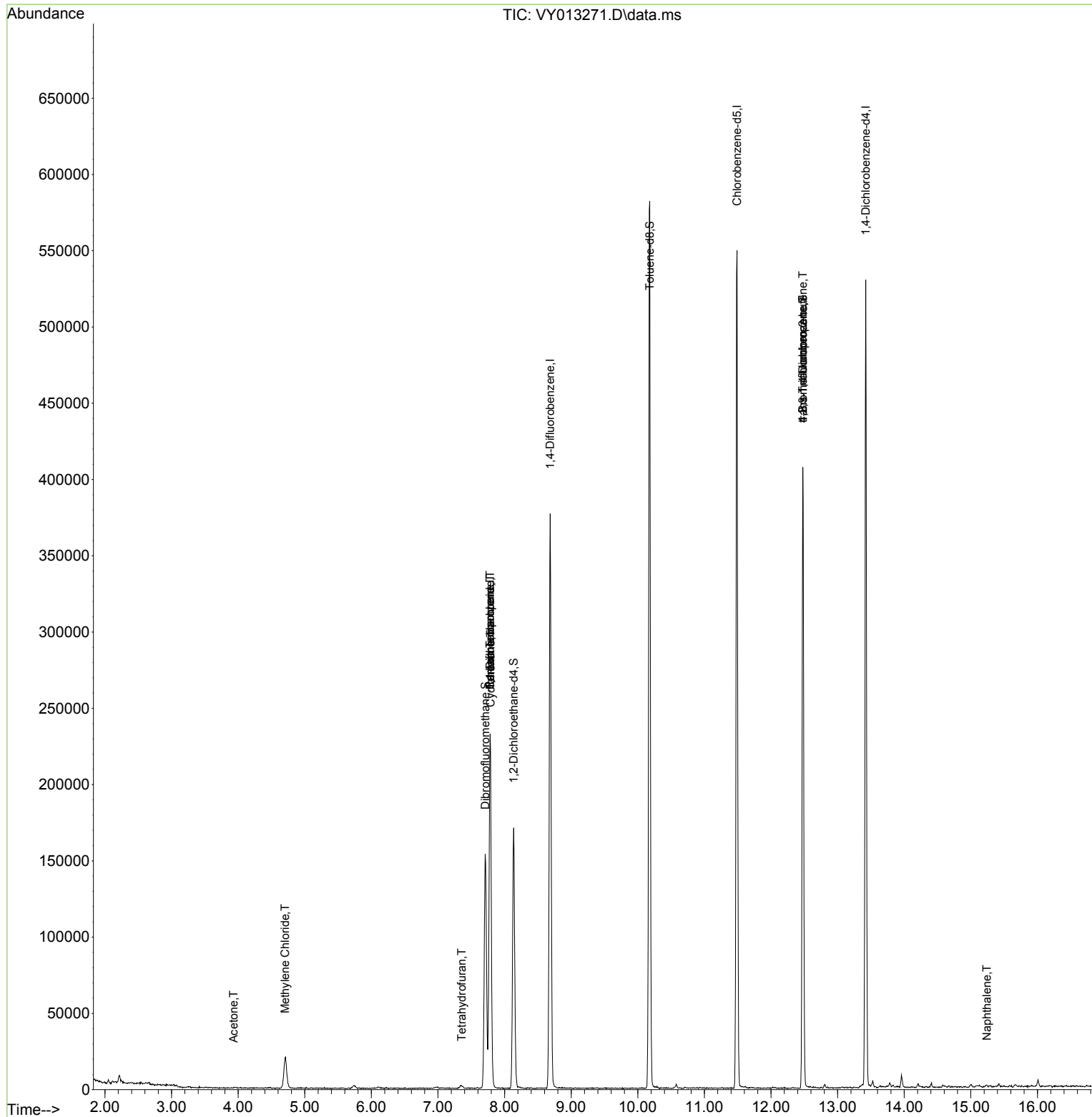
Internal Standards						
1) Pentafluorobenzene	7.783	168	175528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130471	61.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.700%			
35) Dibromofluoromethane	7.710	113	107200	54.562	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.120%			
50) Toluene-d8	10.179	98	374738	51.242	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.477	95	117079	49.273	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.540%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	205	Below Cal	#	74
16) Acetone	3.930	43	728	1.004	ug/l #	44
20) Methylene Chloride	4.704	84	13790	3.199	ug/l	97
29) Tetrahydrofuran	7.356	42	1701	3.016	ug/l #	65
31) Cyclohexane	7.789	56	4414	1.384	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14100	4.737	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17371	5.278	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	64235	40.083	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64235	83.191	ug/l #	13
95) Naphthalene	15.239	128	1213	3.406	ug/l	97

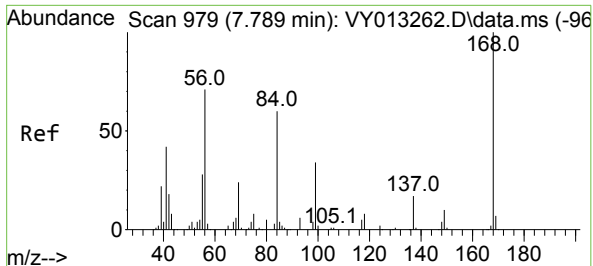
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
Data File : VY013271.D
Acq On : 12 Apr 2023 16:59
Operator : KP/MD
Sample : 02292-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

Quant Time: Apr 13 06:17:14 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

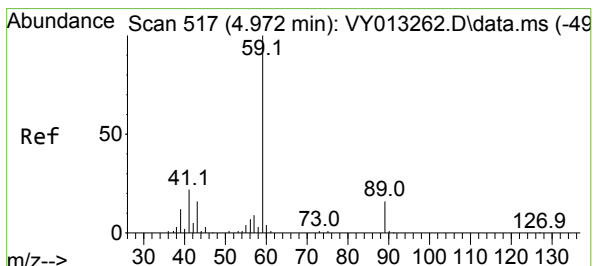
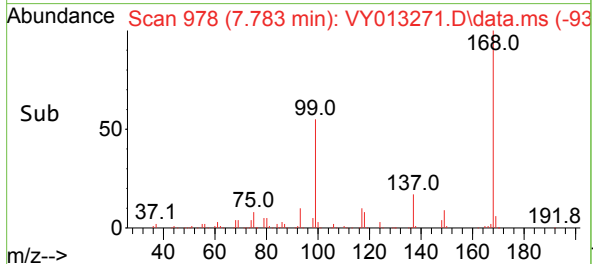
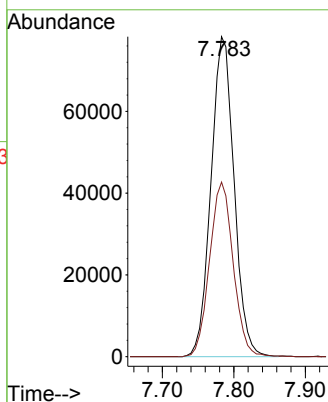
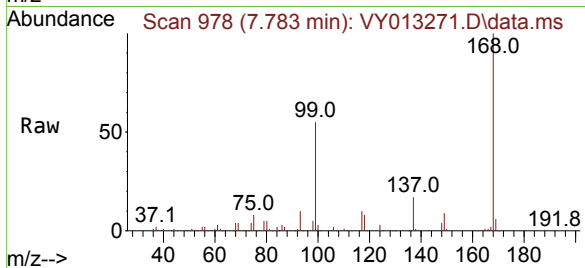




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

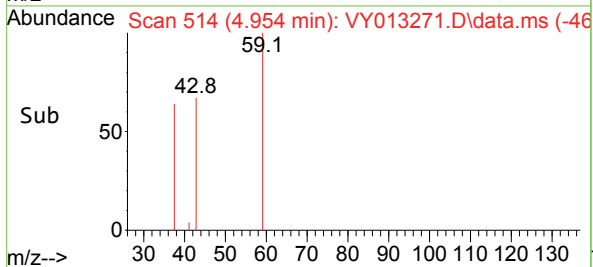
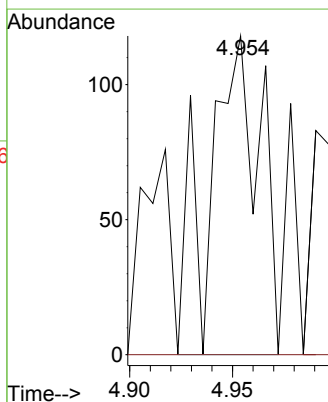
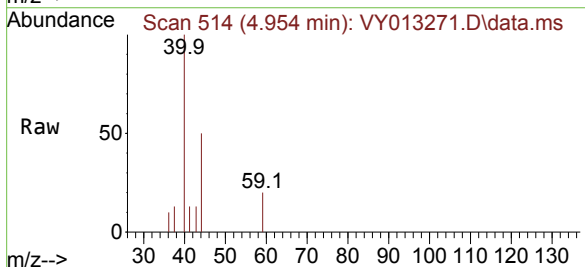
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

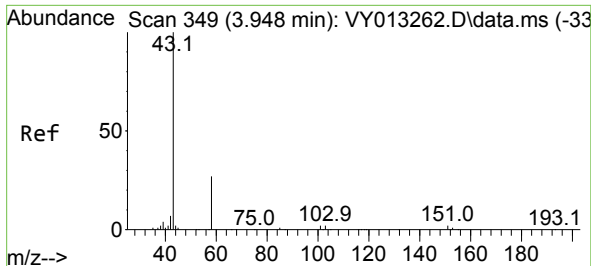
Tgt Ion:168 Resp: 175528
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

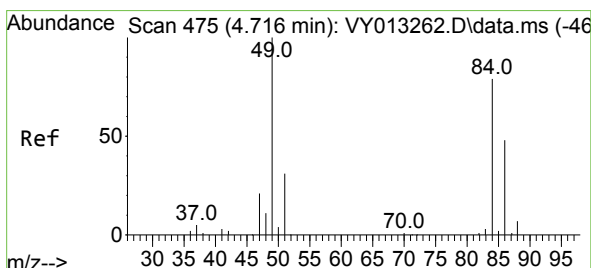
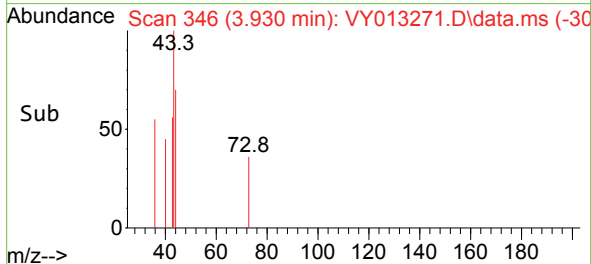
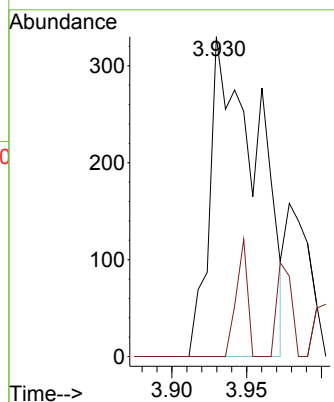
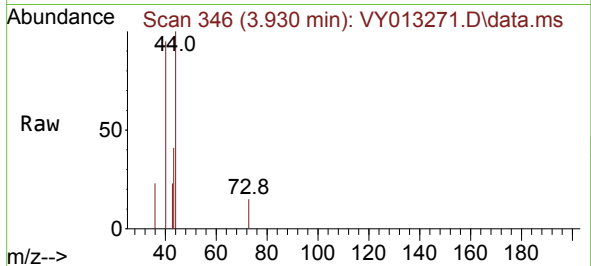




#16
Acetone
Concen: 1.004 ug/l
RT: 3.930 min Scan# 349
Delta R.T. -0.019 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

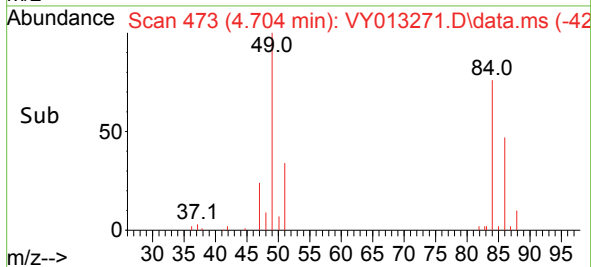
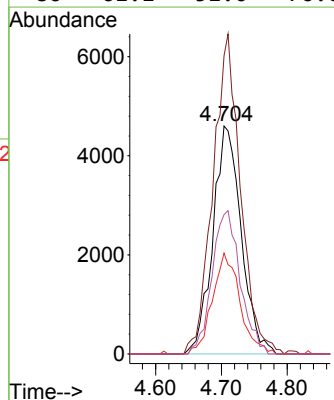
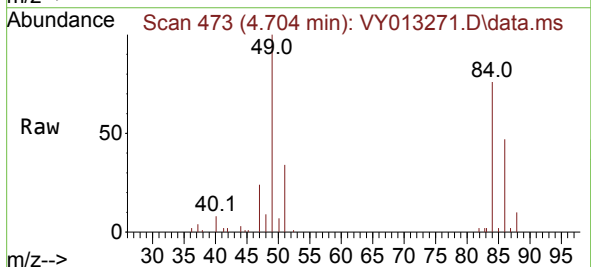
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

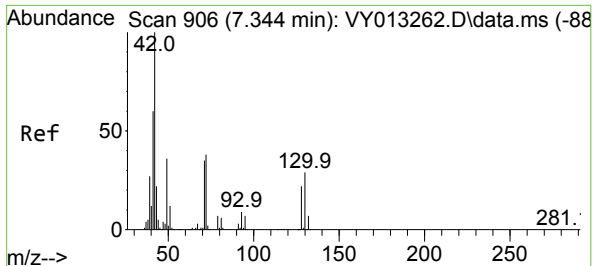
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: 3.199 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Tgt Ion: 84 Resp: 13790
Ion Ratio Lower Upper
84 100
49 130.8 102.6 154.0
51 44.2 31.9 47.9
86 61.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.016 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY013271.D

Acq: 12 Apr 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

IDW-SO-VB1-041123

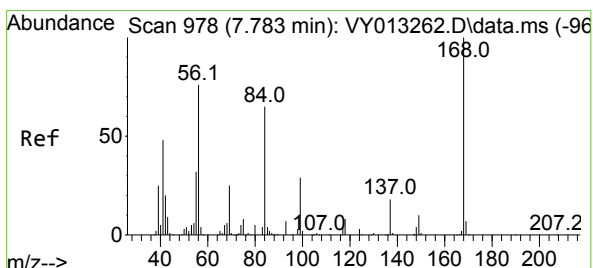
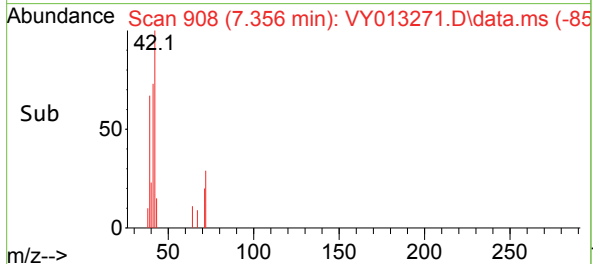
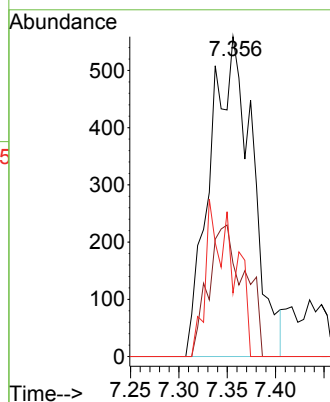
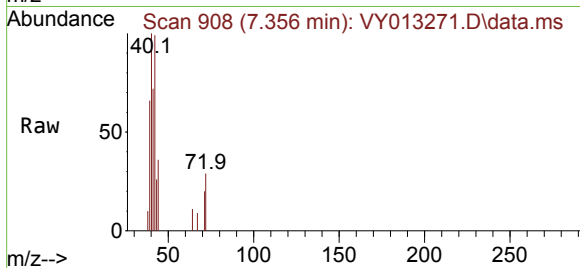
Tgt Ion: 42 Resp: 1701

Ion Ratio Lower Upper

42 100

72 35.3 32.3 48.5

71 0.0 30.3 45.5#



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013271.D

Acq: 12 Apr 2023 16:59

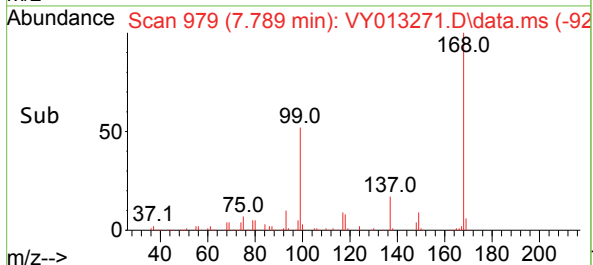
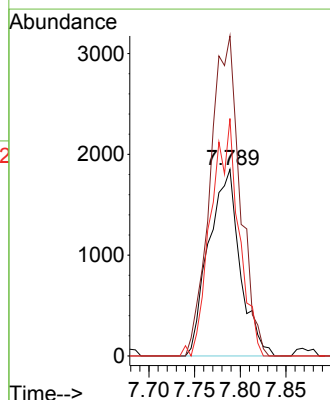
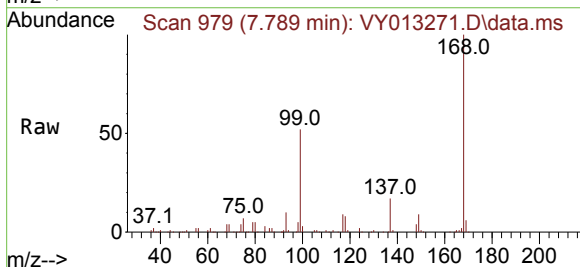
Tgt Ion: 56 Resp: 4414

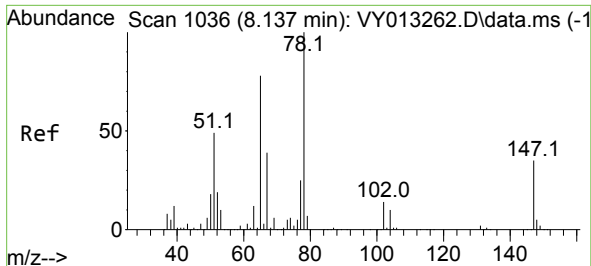
Ion Ratio Lower Upper

56 100

69 171.6 25.7 38.5#

84 127.3 64.3 96.5#

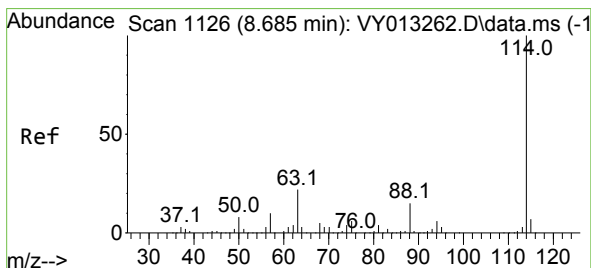
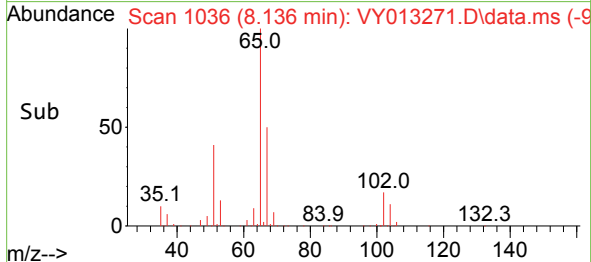
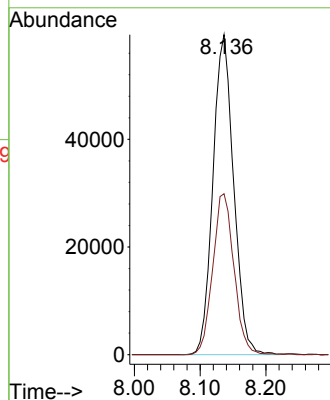
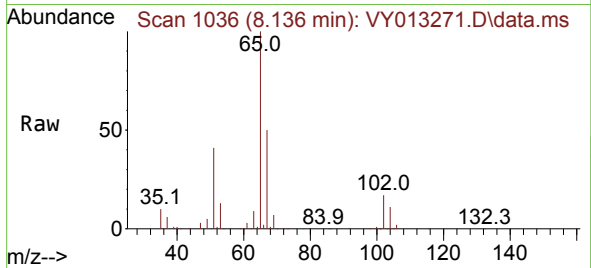




#33
 1,2-Dichloroethane-d4
 Concen: 61.851 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY013271.D
 Acq: 12 Apr 2023 16:59

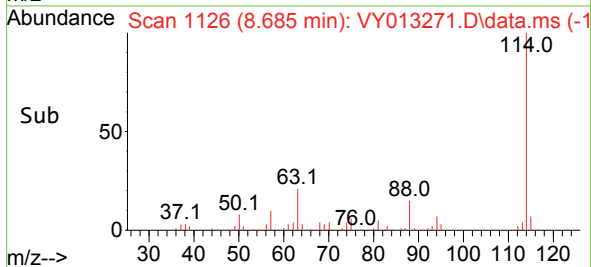
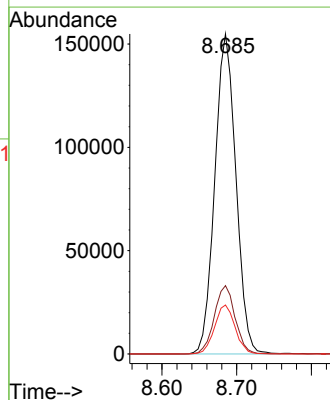
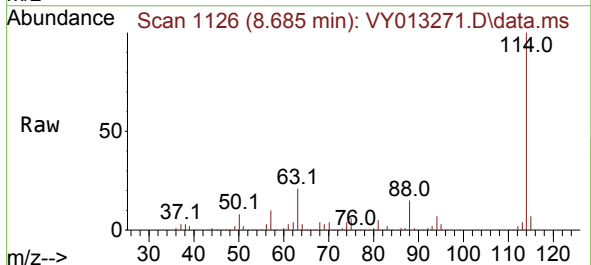
Instrument :
 MSVOA_Y
 ClientSampleId :
 IDW-SO-VB1-041123

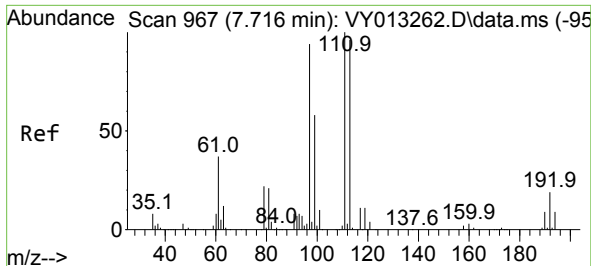
Tgt Ion: 65 Resp: 130471
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013271.D
 Acq: 12 Apr 2023 16:59

Tgt Ion:114 Resp: 303485
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 37.4
 88 15.3 0.0 28.6

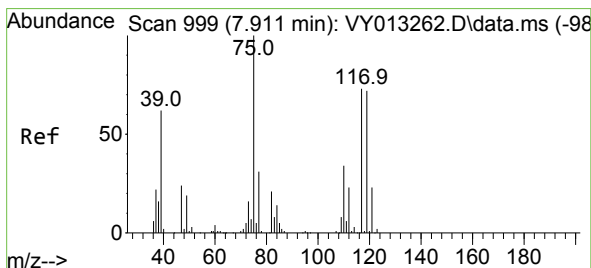
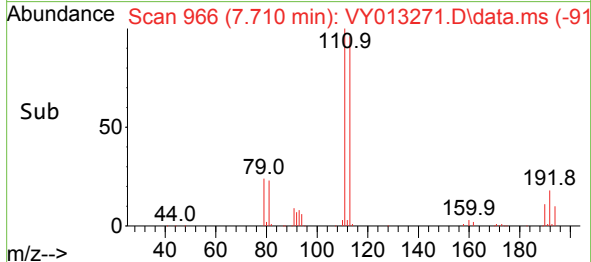
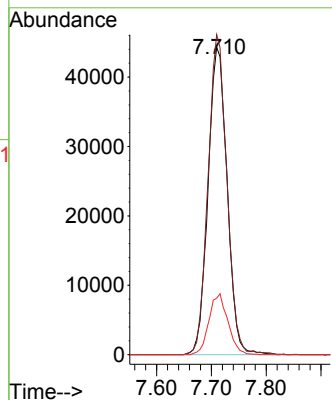
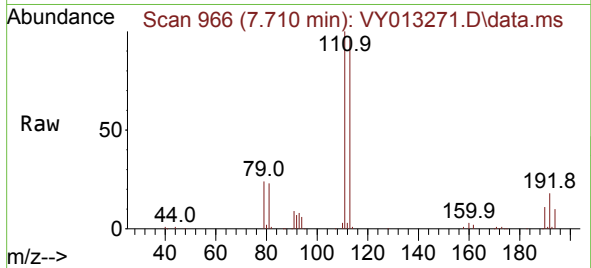




#35
 Dibromofluoromethane
 Concen: 54.562 ug/l
 RT: 7.710 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY013271.D
 Acq: 12 Apr 2023 16:59

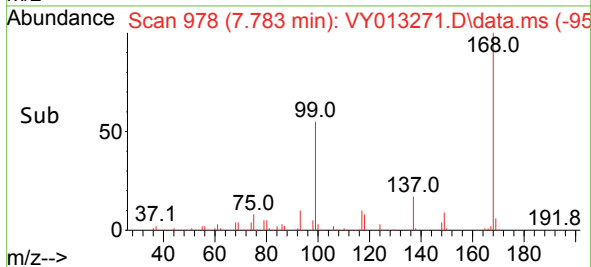
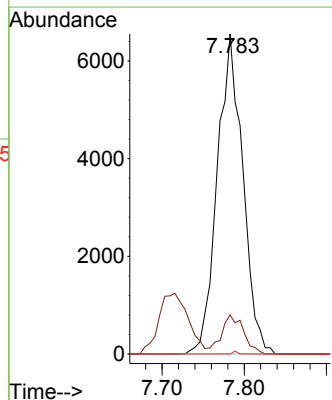
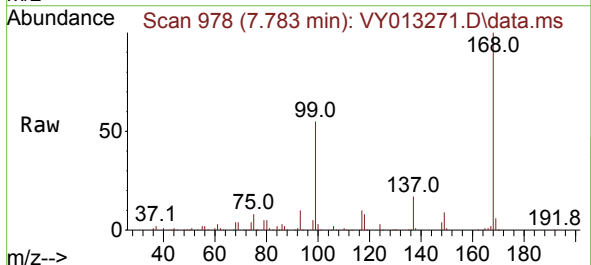
Instrument :
 MSVOA_Y
 ClientSampleId :
 IDW-SO-VB1-041123

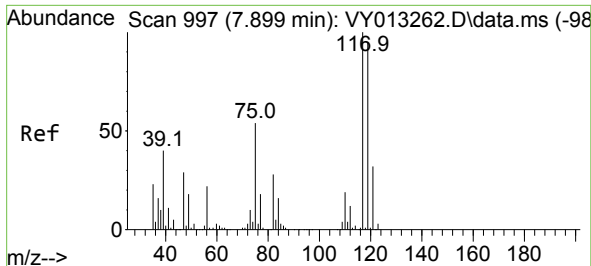
Tgt Ion:113 Resp: 107200
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 19.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.737 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY013271.D
 Acq: 12 Apr 2023 16:59

Tgt Ion: 75 Resp: 14100
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.8 53.3#
 77 0.1 25.0 37.4#

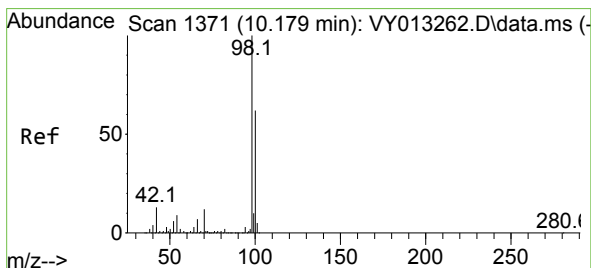
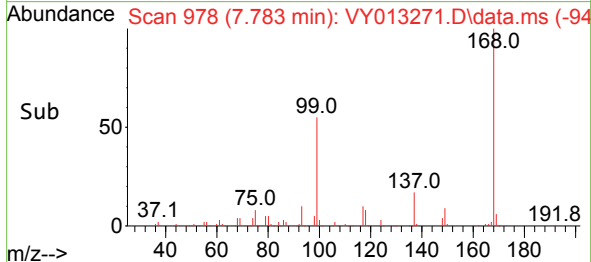
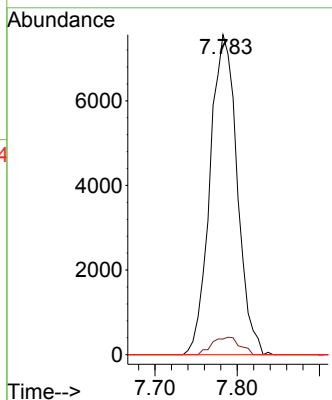
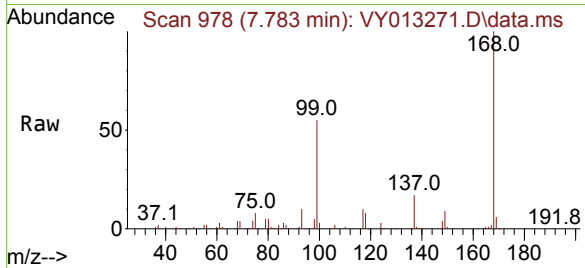




#38
Carbon Tetrachloride
Concen: 5.278 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

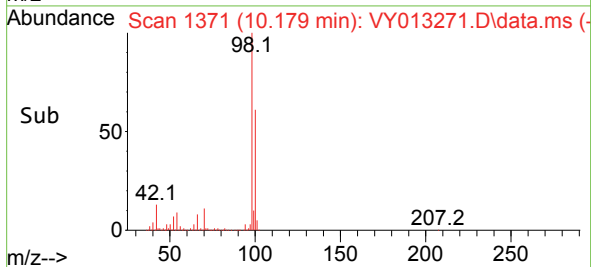
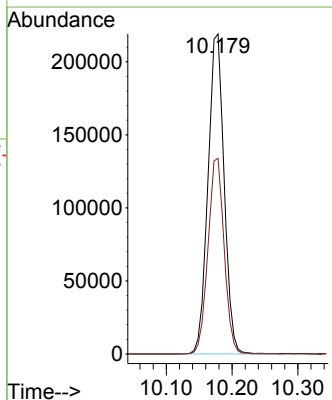
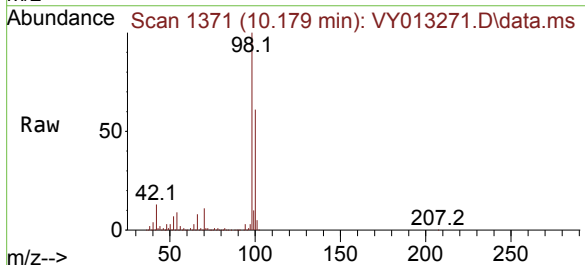
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

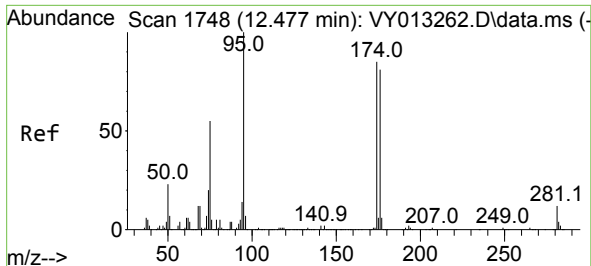
Tgt Ion:117 Resp: 17371
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.242 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Tgt Ion: 98 Resp: 374738
Ion Ratio Lower Upper
98 100
100 61.1 50.9 76.3

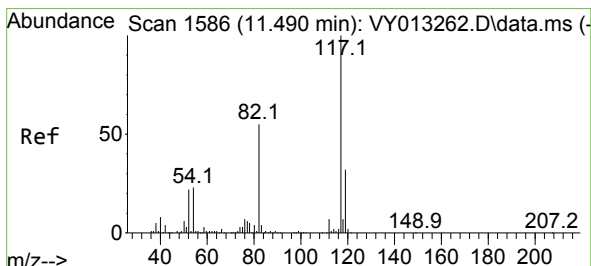
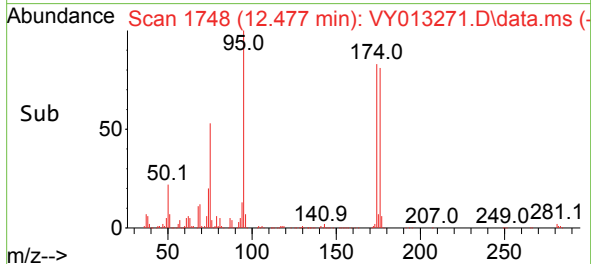
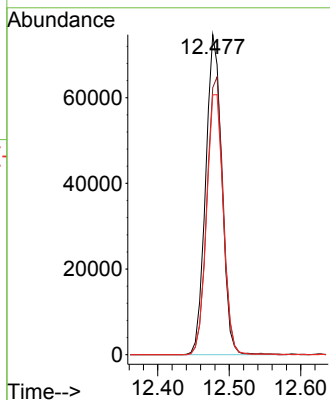
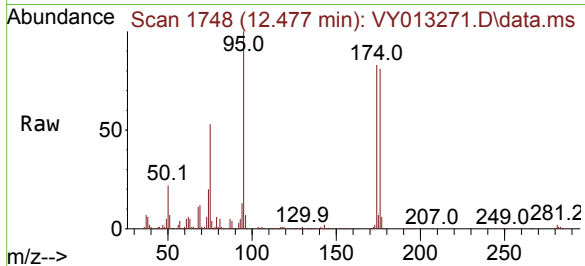




#62
4-Bromofluorobenzene
Concen: 49.273 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

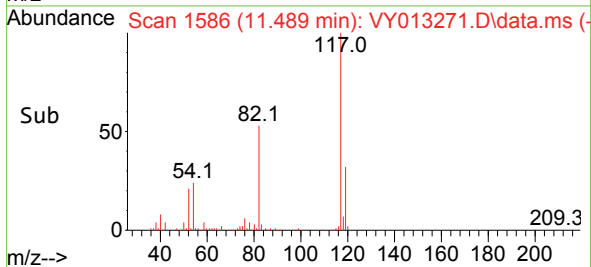
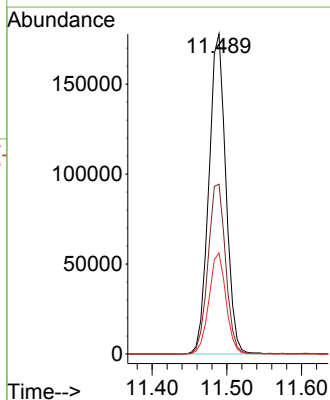
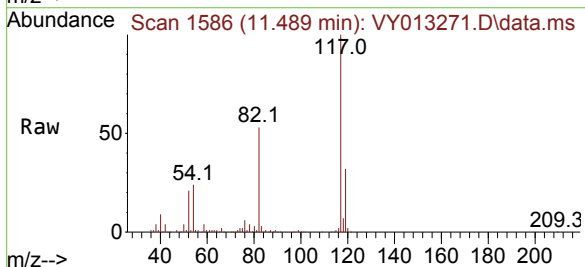
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

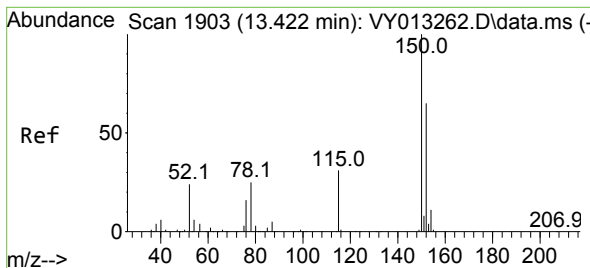
Tgt Ion: 95 Resp: 117079
Ion Ratio Lower Upper
95 100
174 87.6 0.0 176.6
176 84.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Tgt Ion: 117 Resp: 281698
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 31.6 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: VY013271.D

Acq: 12 Apr 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

IDW-SO-VB1-041123

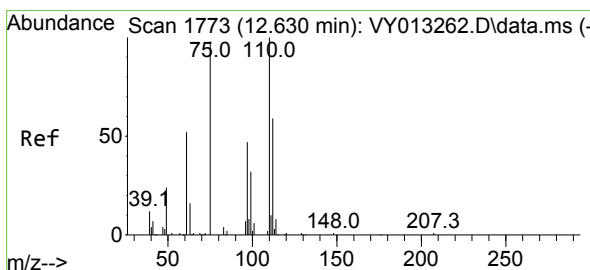
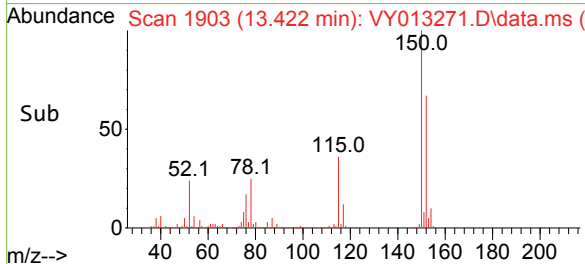
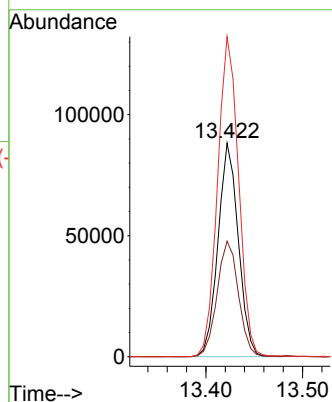
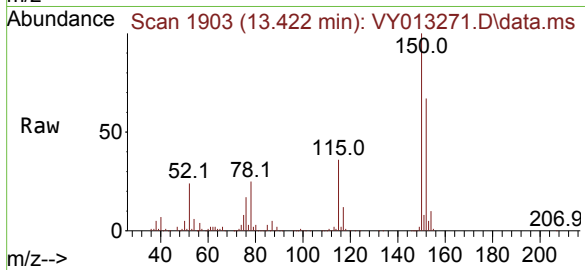
Tgt Ion:152 Resp: 128609

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 155.3 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.083 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013271.D

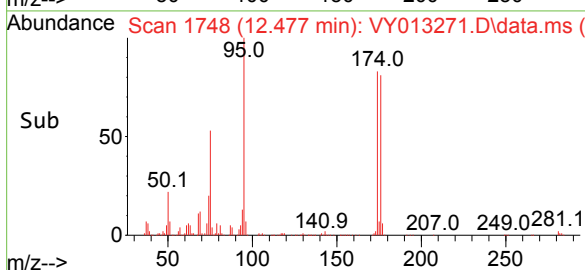
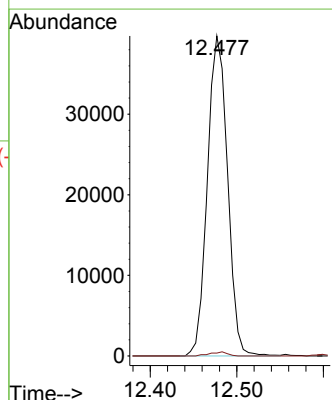
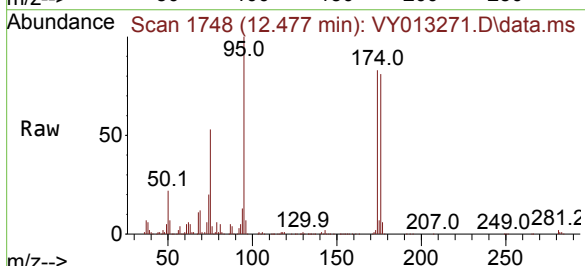
Acq: 12 Apr 2023 16:59

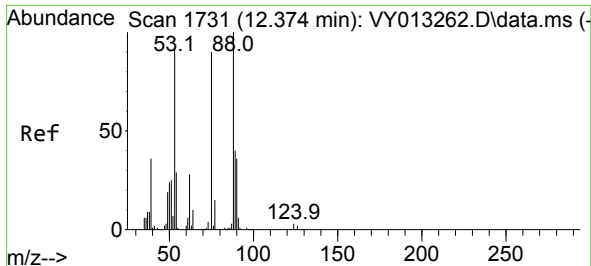
Tgt Ion: 75 Resp: 64235

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

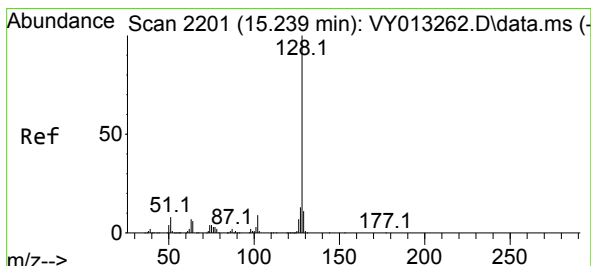
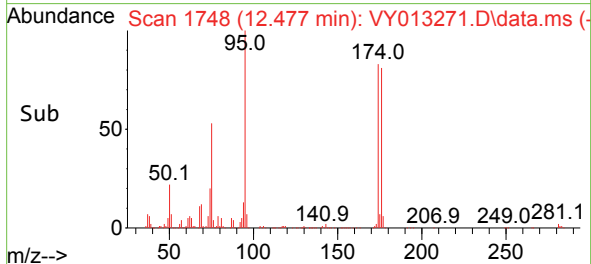
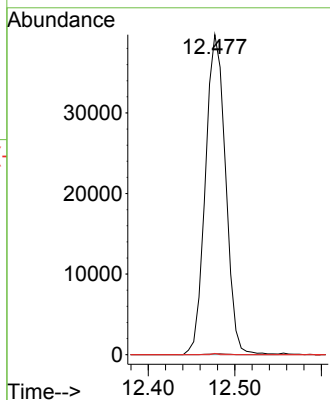
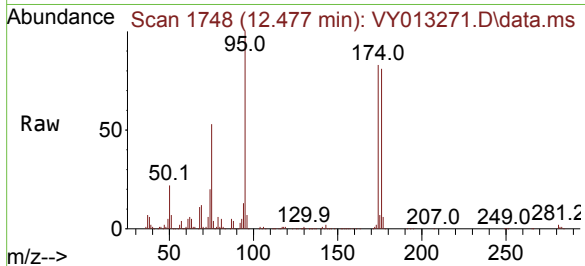




#81
trans-1,4-Dichloro-2-butene
Concen: 83.191 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB1-041123

Tgt Ion: 75 Resp: 64235
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.406 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013271.D
Acq: 12 Apr 2023 16:59

Tgt Ion: 128 Resp: 1213
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 8.7 8.6 13.0

