

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013446.D
 Acq On : 25 Apr 2023 15:06
 Operator : KP/MD
 Sample : 02477-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MID-H4(ELEV-22)

Quant Time: Apr 26 02:50:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

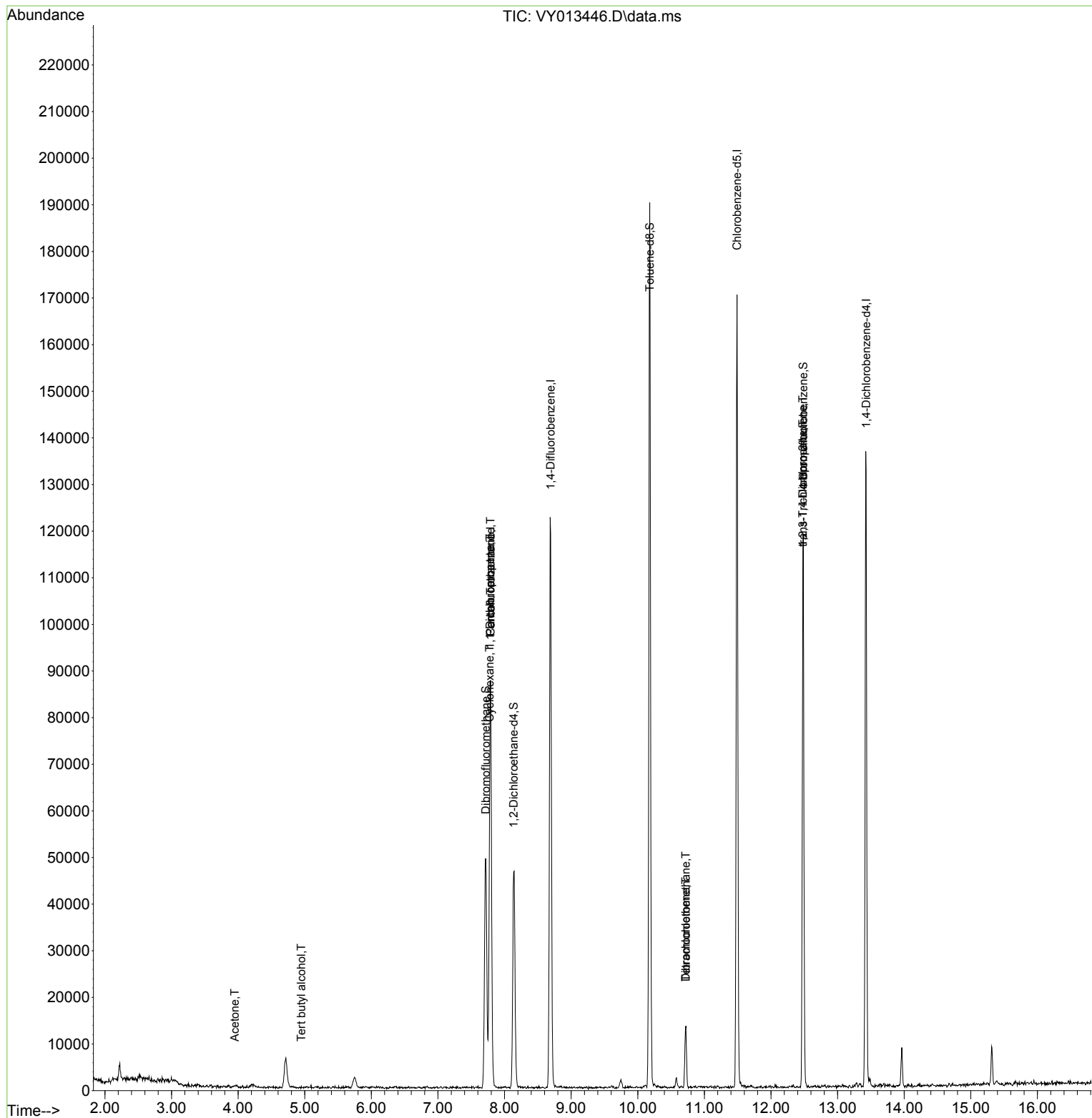
Internal Standards						
1) Pentafluorobenzene	7.789	168	67445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	101039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	90581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	35480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	38863	52.564	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.120%			
35) Dibromofluoromethane	7.716	113	35070	55.186	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.179	98	122974	54.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.800%			
62) 4-Bromofluorobenzene	12.483	95	32438	42.562	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.120%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.948	59	34	1.057	ug/l #	89
13) Acrolein	3.759	56	41	Below Cal	#	16
16) Acetone	3.948	43	420	1.442	ug/l	95
20) Methylene Chloride	4.716	84	4422	Below Cal		96
31) Cyclohexane	7.777	56	1524	1.151	ug/l #	27
36) 1,1-Dichloropropene	7.783	75	5380	5.101	ug/l #	48
38) Carbon Tetrachloride	7.789	117	7164	6.481	ug/l #	15
60) Dibromochloromethane	10.721	129	2342	3.134	ug/l #	11
64) Tetrachloroethene	10.721	164	2955	4.290	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	17516	36.607	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17516	74.881	ug/l #	13

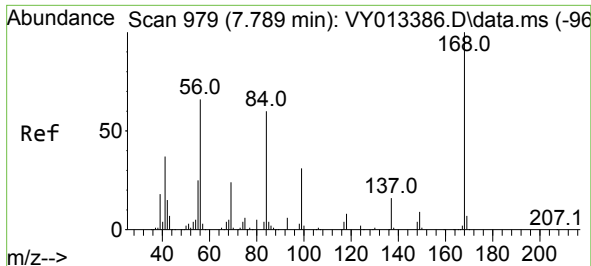
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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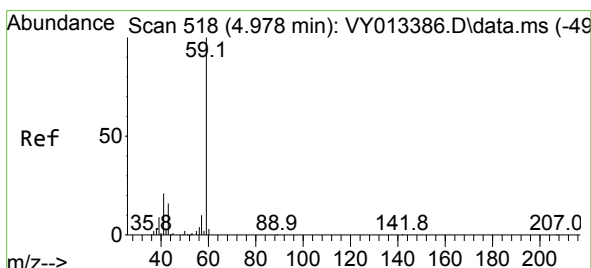
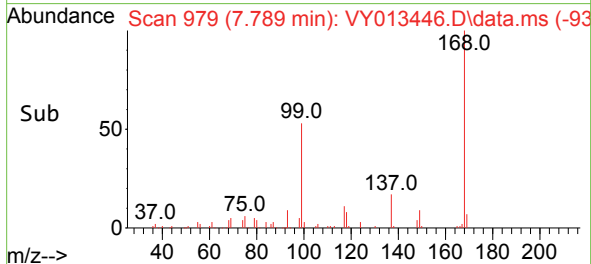
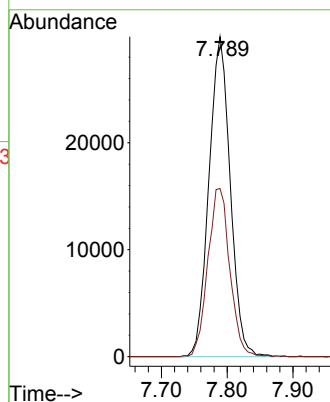
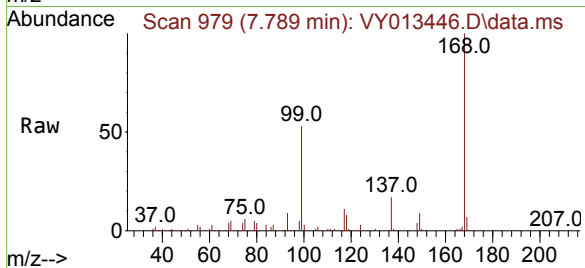




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

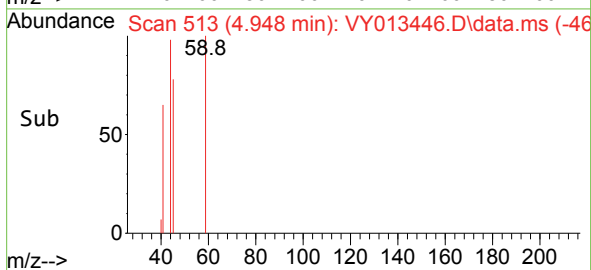
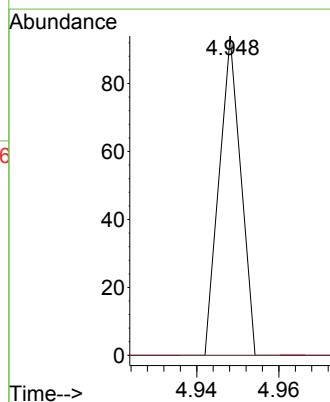
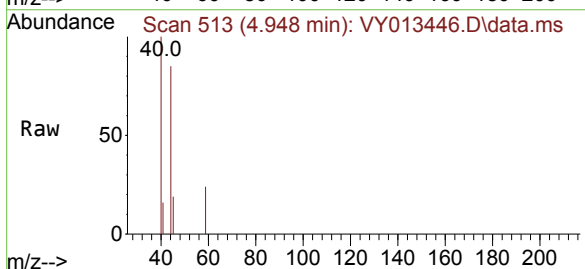
Instrument :
MSVOA_Y
ClientSampleId :
MID-H4(ELEV-22)

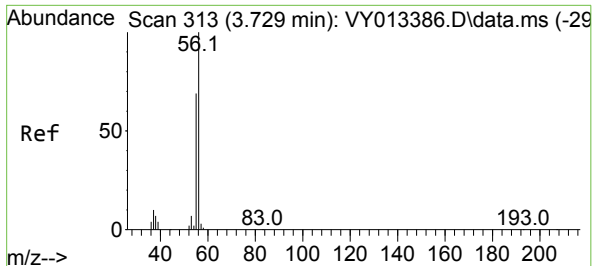
Tgt Ion:168 Resp: 67445
Ion Ratio Lower Upper
168 100
99 52.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.057 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion: 59 Resp: 34
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

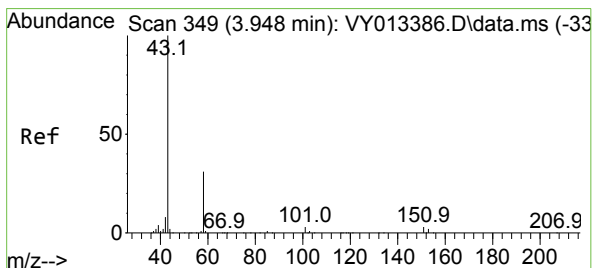
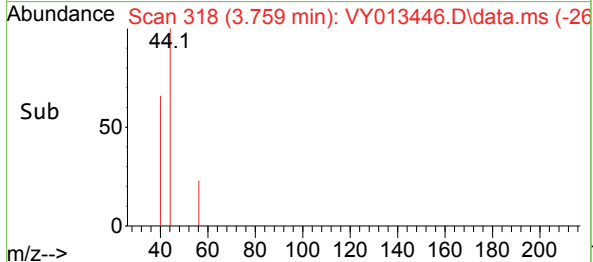
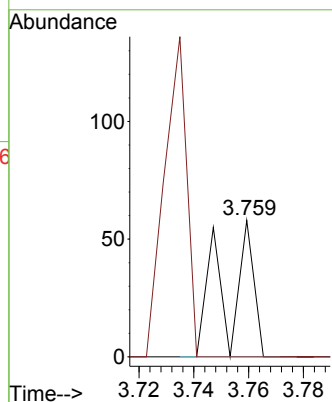
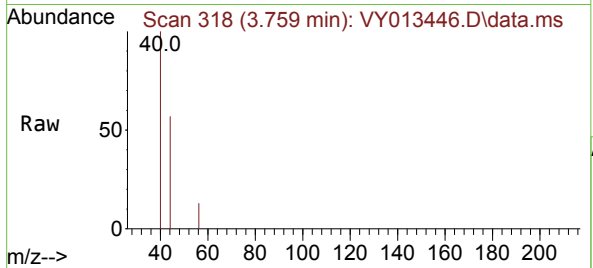




#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 313
Delta R.T. 0.030 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

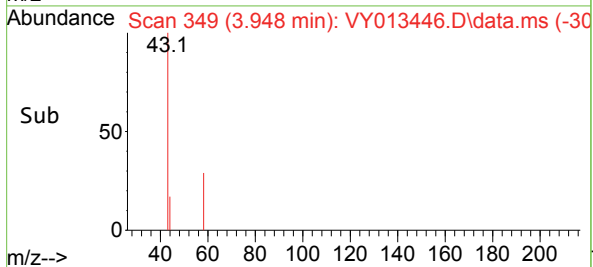
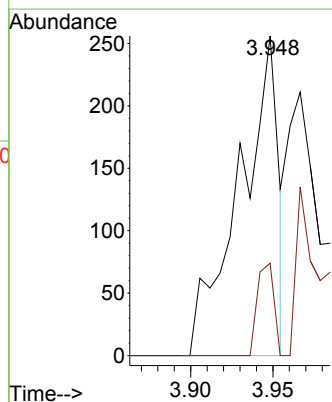
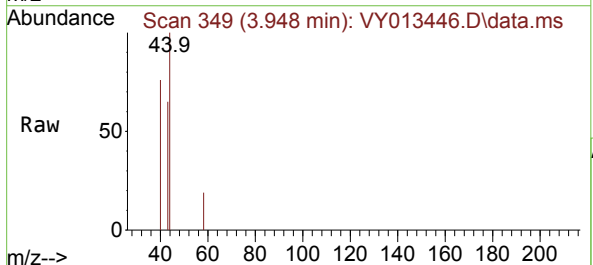
Instrument :
MSVOA_Y
ClientSampleId :
MID-H4(ELEV-22)

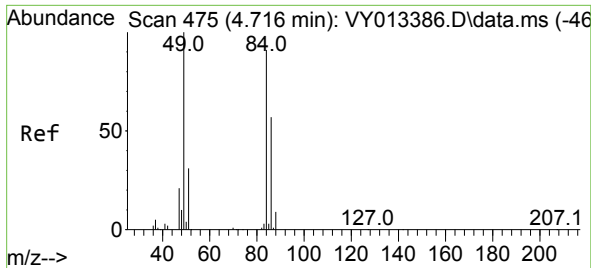
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.442 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 28.9 25.4 38.0

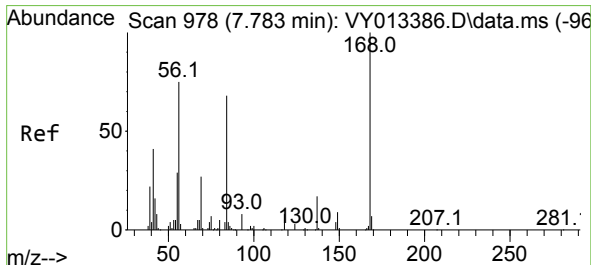
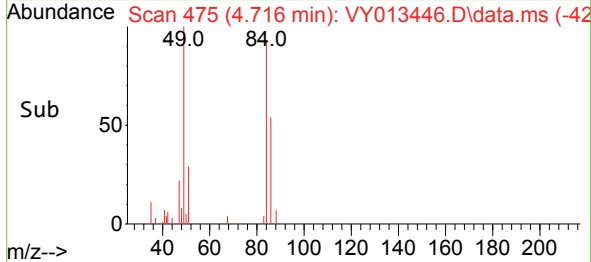
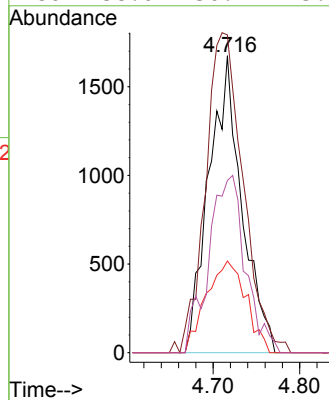
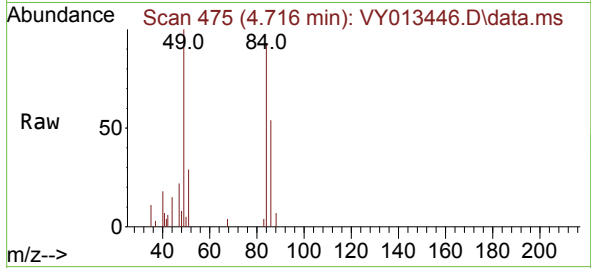




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

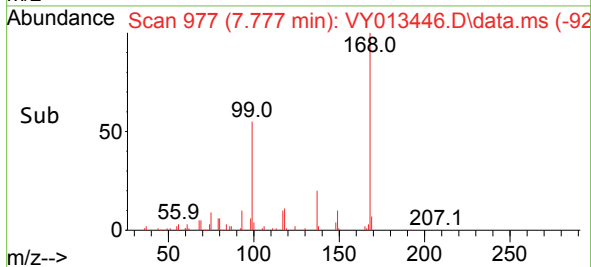
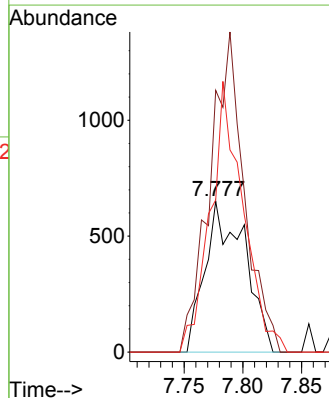
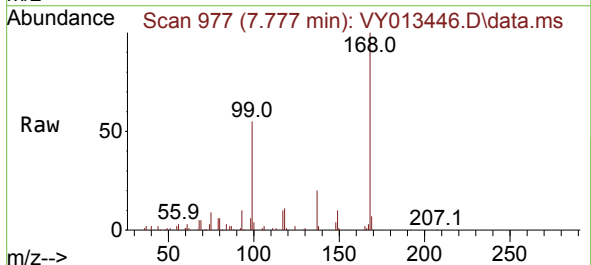
Instrument :
MSVOA_Y
ClientSampleId :
MID-H4(ELEV-22)

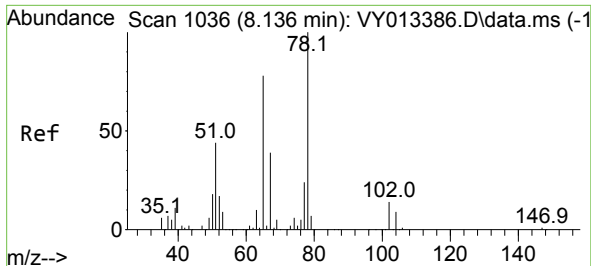
Tgt Ion:	84	Resp:	4422
Ion	Ratio	Lower	Upper
84	100		
49	107.0	88.0	132.0
51	30.9	27.4	41.0
86	58.0	50.4	75.6



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion:	56	Resp:	1524
Ion	Ratio	Lower	Upper
56	100		
69	173.4	29.2	43.8#
84	100.8	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 52.564 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY013446.D

Acq: 25 Apr 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

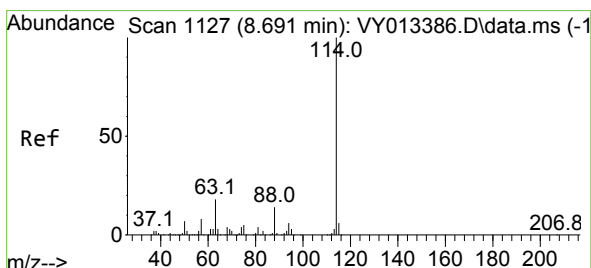
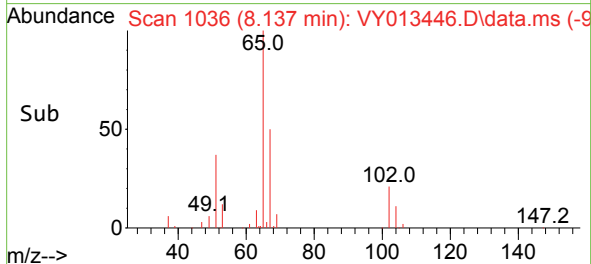
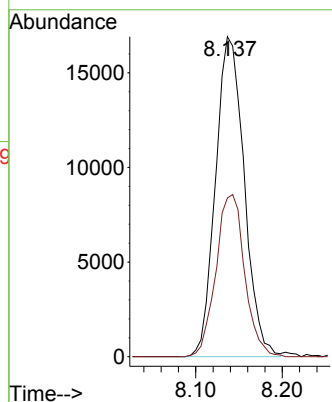
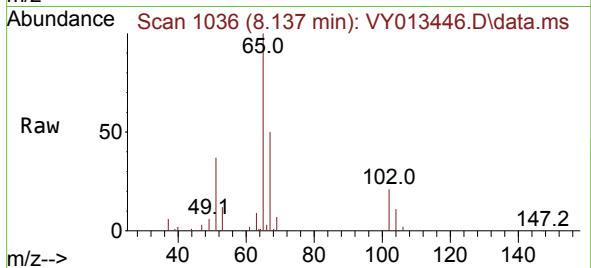
MID-H4(ELEV-22)

Tgt Ion: 65 Resp: 38863

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013446.D

Acq: 25 Apr 2023 15:06

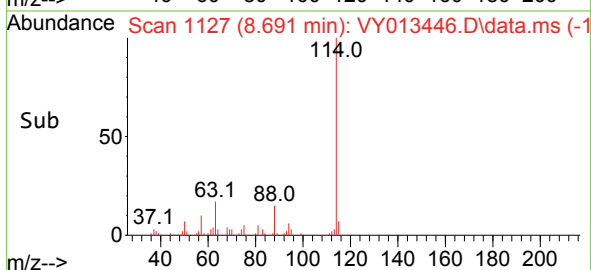
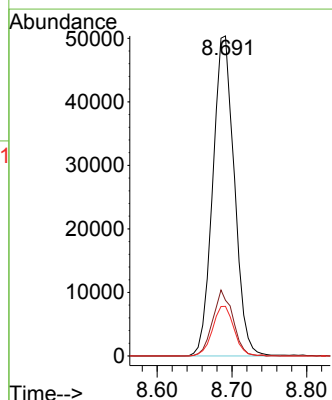
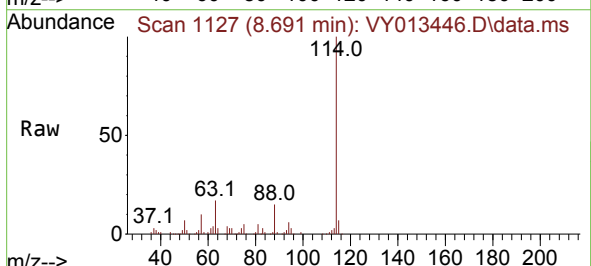
Tgt Ion: 114 Resp: 101039

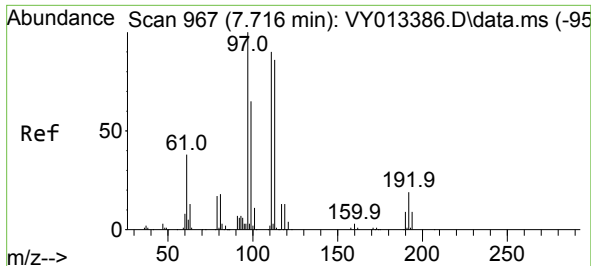
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

88 15.5 0.0 28.8

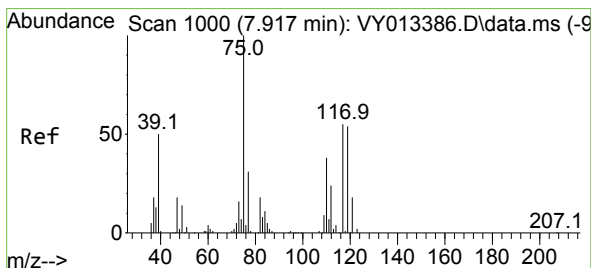
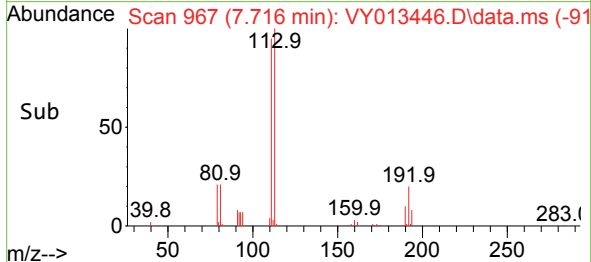
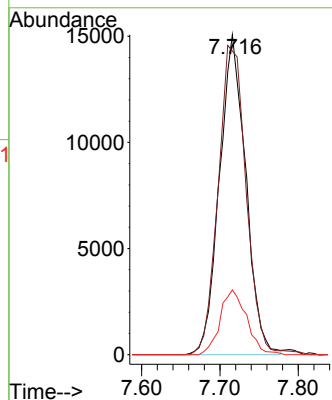
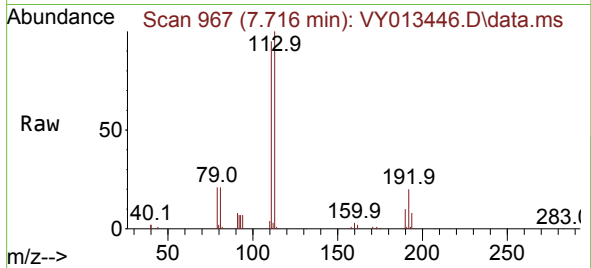




#35
Dibromofluoromethane
Concen: 55.186 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

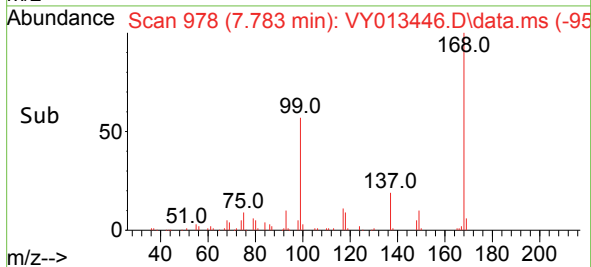
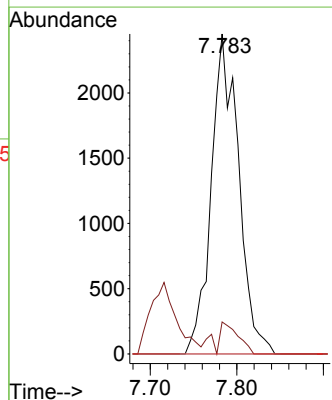
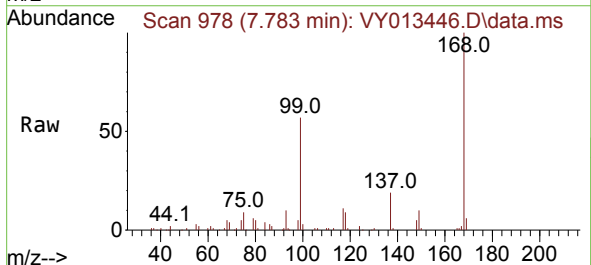
Instrument :
MSVOA_Y
ClientSampleId :
MID-H4(ELEV-22)

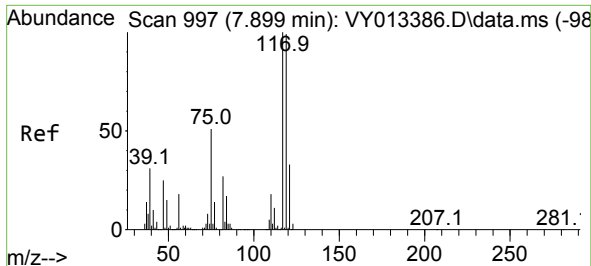
Tgt Ion:113 Resp: 35070
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion: 75 Resp: 5380
Ion Ratio Lower Upper
75 100
110 8.2 18.7 56.1#
77 0.0 24.6 37.0#

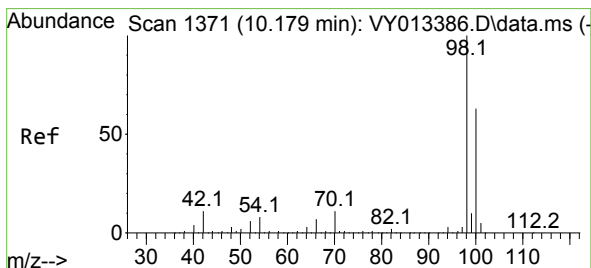
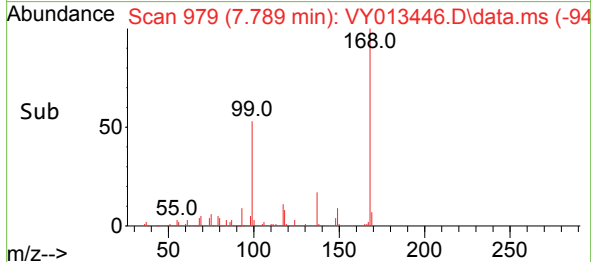
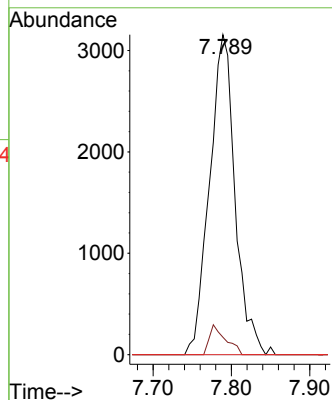
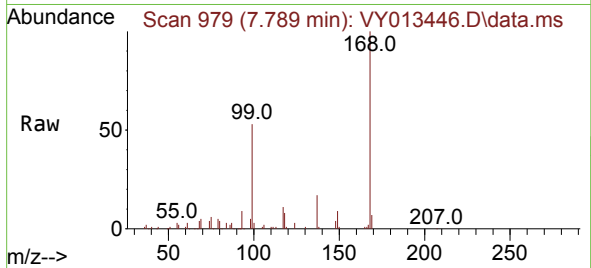




#38
Carbon Tetrachloride
Concen: 6.481 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

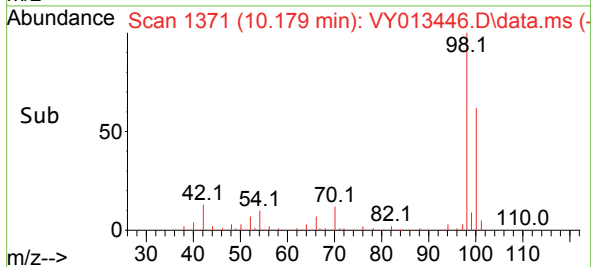
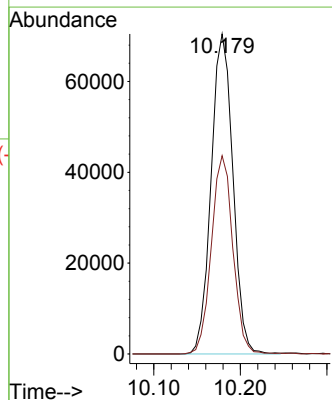
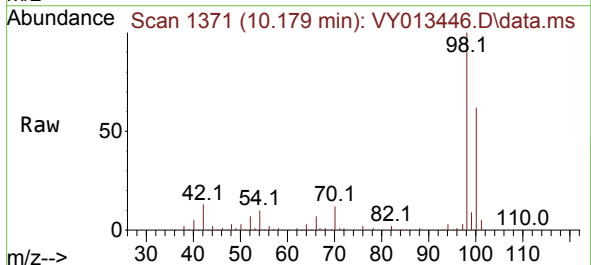
Instrument :
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MID-H4(ELEV-22)

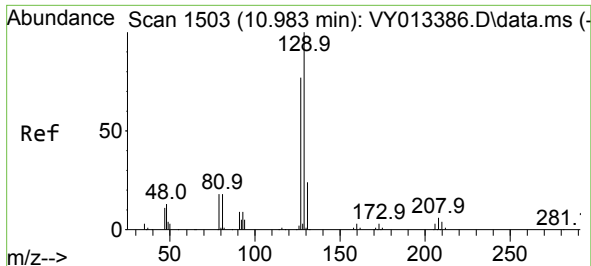
Tgt Ion:117 Resp: 7164
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.397 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion: 98 Resp: 122974
Ion Ratio Lower Upper
98 100
100 61.2 50.5 75.7

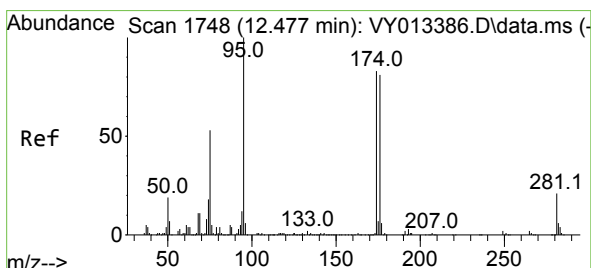
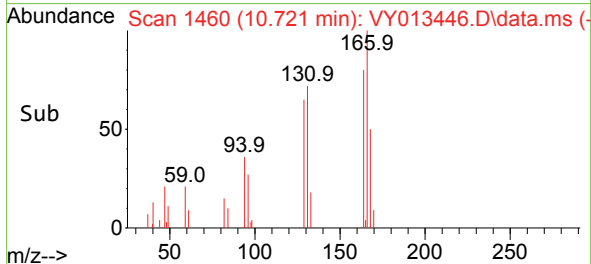
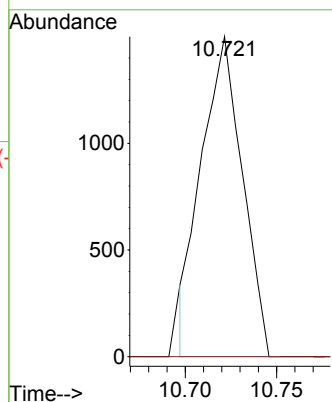
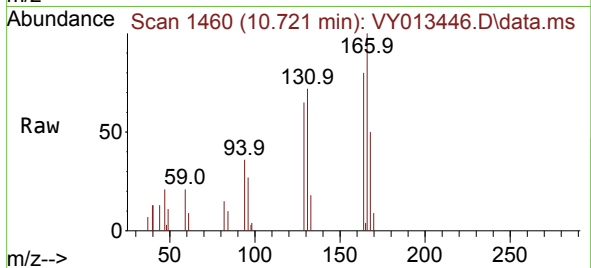




#60
Dibromochloromethane
Concen: 3.134 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

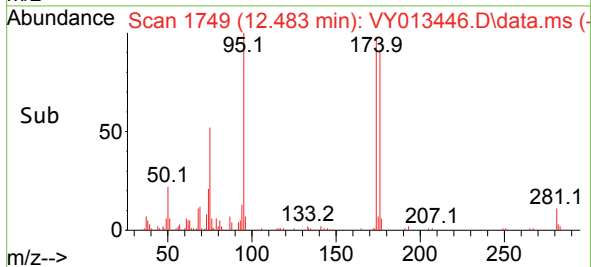
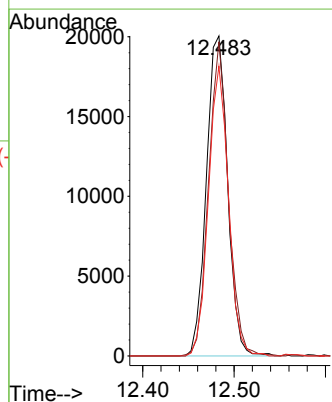
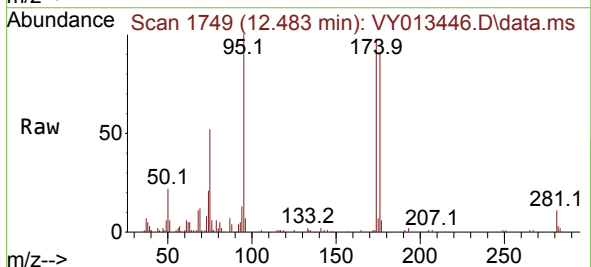
Instrument :
MSVOA_Y
ClientSampleId :
MID-H4(ELEV-22)

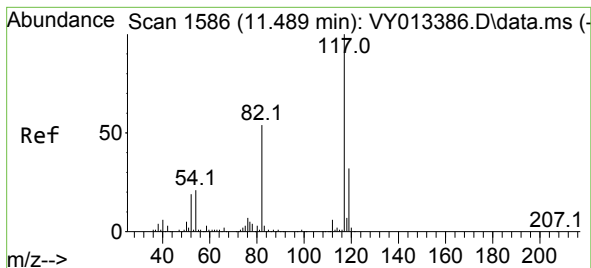
Tgt Ion:129 Resp: 2342
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 42.562 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013446.D
Acq: 25 Apr 2023 15:06

Tgt Ion: 95 Resp: 32438
Ion Ratio Lower Upper
95 100
174 91.8 0.0 182.0
176 85.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013446.D

Acq: 25 Apr 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

MID-H4(ELEV-22)

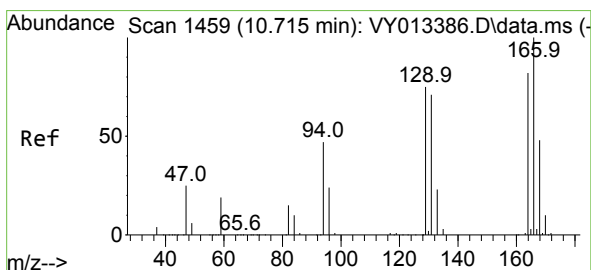
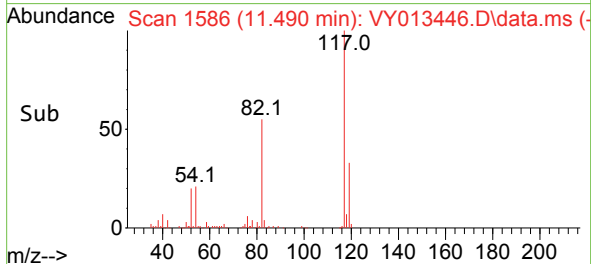
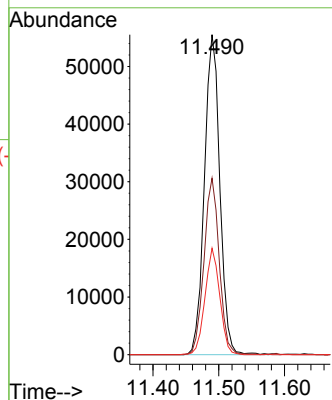
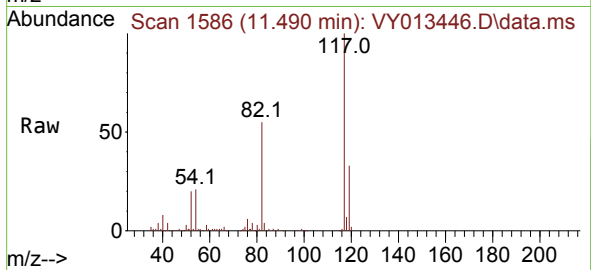
Tgt Ion:117 Resp: 90581

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.6

119 33.3 25.5 38.3



#64

Tetrachloroethene

Concen: 4.290 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013446.D

Acq: 25 Apr 2023 15:06

Tgt Ion:164 Resp: 2955

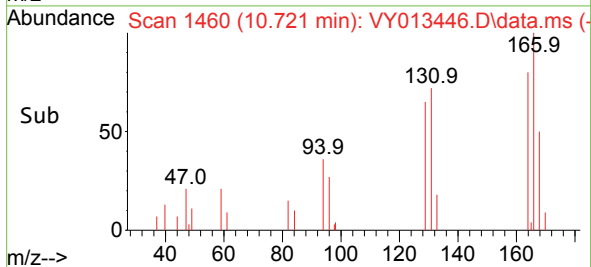
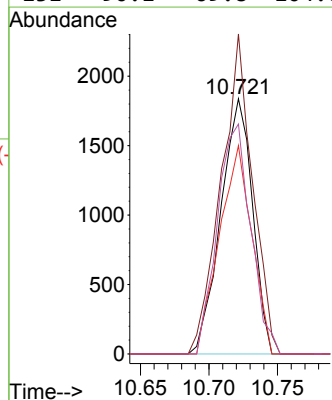
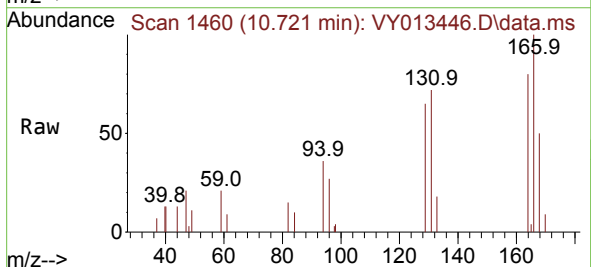
Ion Ratio Lower Upper

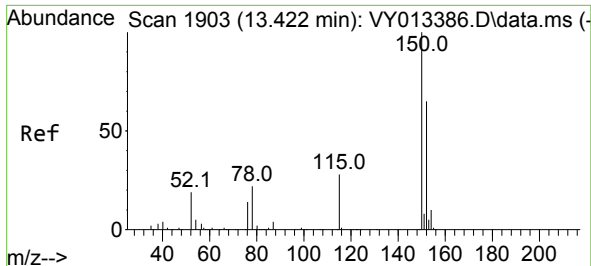
164 100

166 125.4 97.5 146.3

129 81.7 72.6 109.0

131 90.1 69.8 104.6

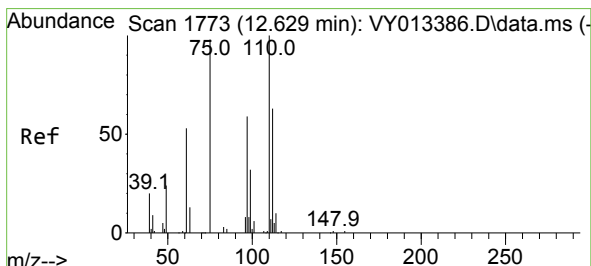
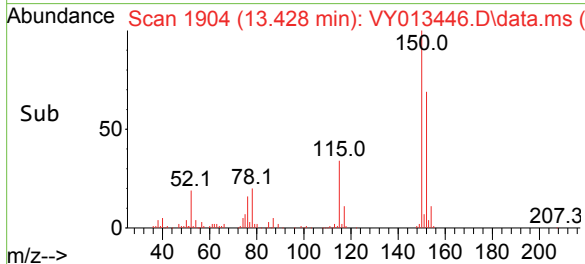
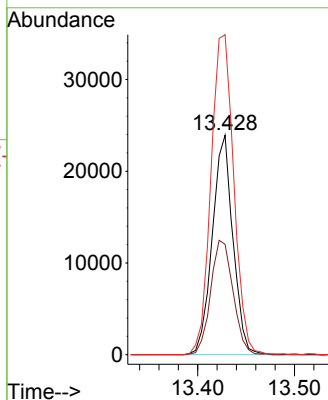
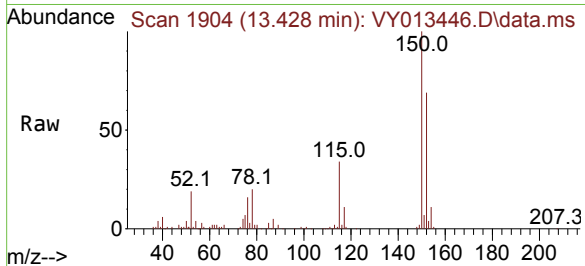




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013446.D
 Acq: 25 Apr 2023 15:06

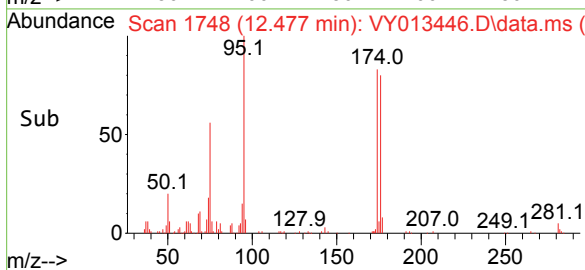
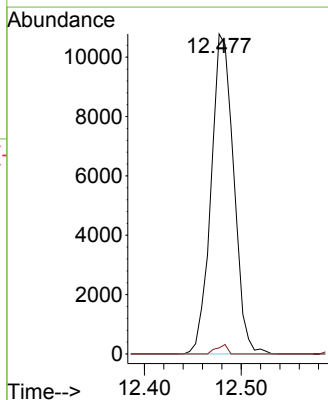
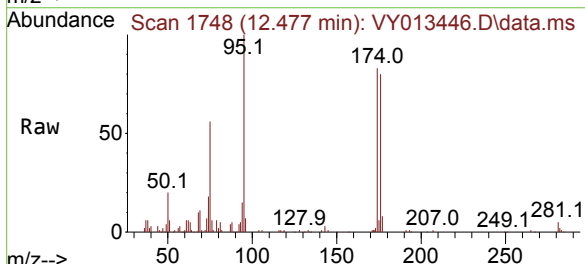
Instrument :
 MSVOA_Y
 ClientSampleId :
 MID-H4(ELEV-22)

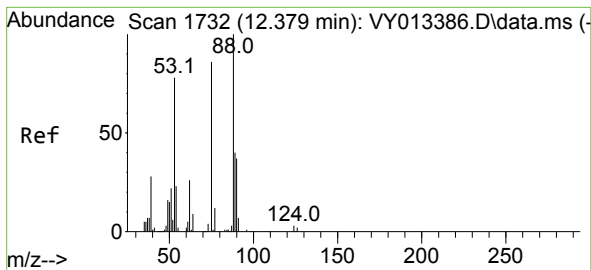
Tgt Ion:152 Resp: 35480
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.1 84.2
 150 161.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 36.607 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013446.D
 Acq: 25 Apr 2023 15:06

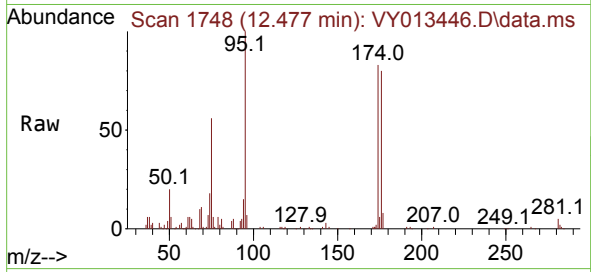
Tgt Ion: 75 Resp: 17516
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.881 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013446.D
 Acq: 25 Apr 2023 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 MID-H4(ELEV-22)



Tgt Ion:	75	Resp:	17516
Ion	Ratio	Lower	Upper
75	100		
53	0.4	73.2	109.8#
89	0.2	38.0	57.0#

