

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013197.D
 Acq On : 04 Apr 2023 18:15
 Operator : KP/MD
 Sample : 02166-05RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-033123

Quant Time: Apr 05 01:21:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

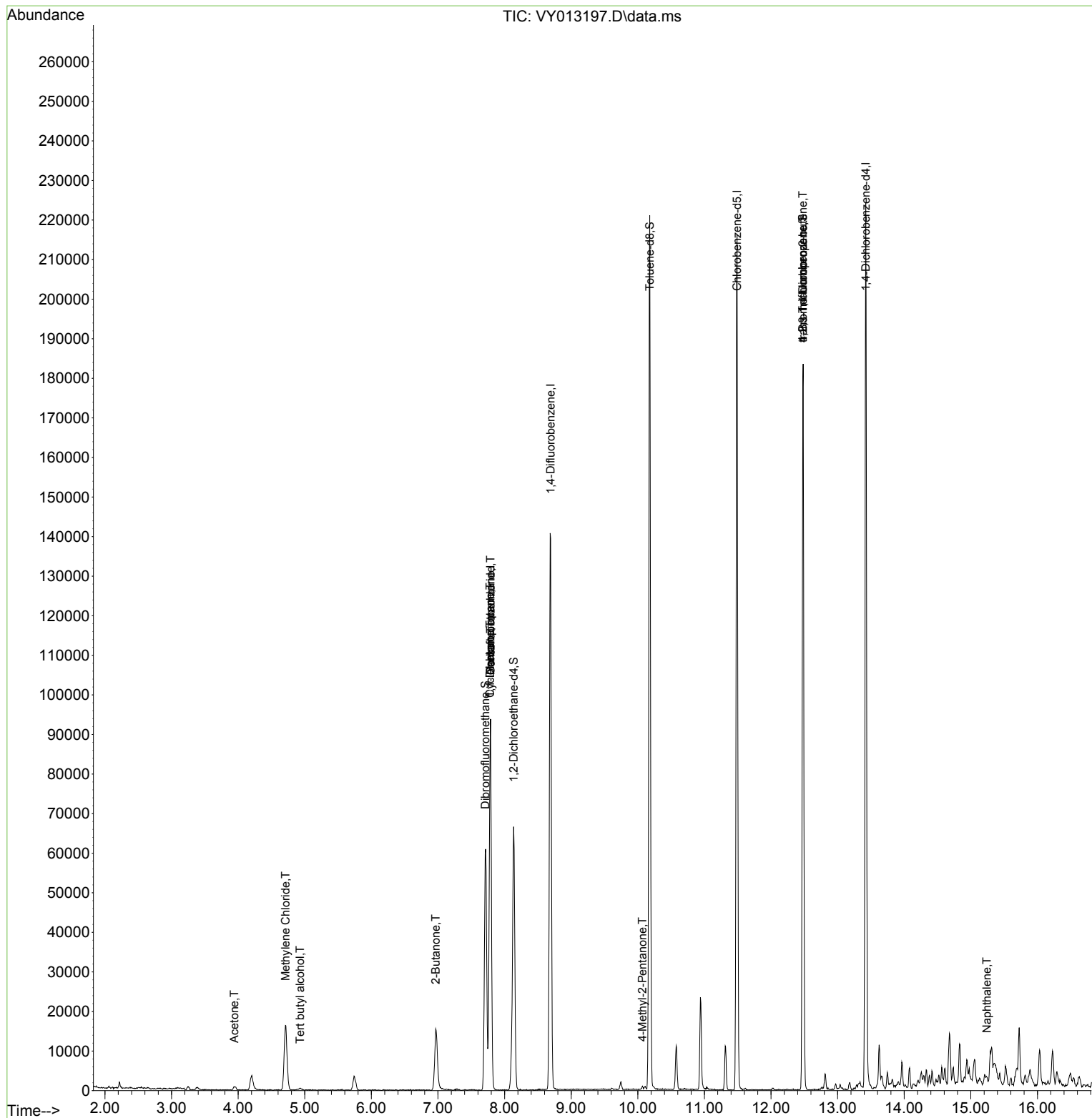
Internal Standards						
1) Pentafluorobenzene	7.789	168	74829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	119294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	120912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	59895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51425	63.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.900%			
35) Dibromofluoromethane	7.710	113	42645	54.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.440%			
50) Toluene-d8	10.179	98	142056	48.285	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.477	95	49371	51.556	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.120%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	748	10.320	ug/l #	74
16) Acetone	3.942	43	1727	7.023	ug/l #	85
20) Methylene Chloride	4.710	84	12561	10.561	ug/l #	83
25) 2-Butanone	6.966	43	447	1.454	ug/l #	49
31) Cyclohexane	7.783	56	1452	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5181	4.416	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7011	5.416	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	670	1.041	ug/l #	67
76) 1,2,3-Trichloropropane	12.477	75	25870	38.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25870	85.744	ug/l #	13
95) Naphthalene	15.239	128	609	3.487	ug/l #	84

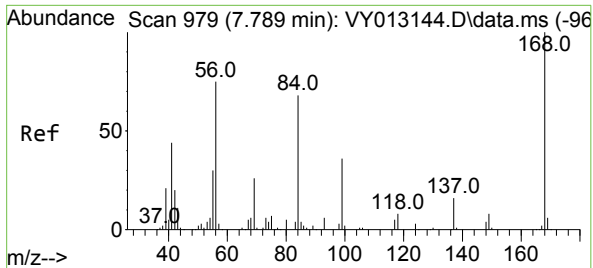
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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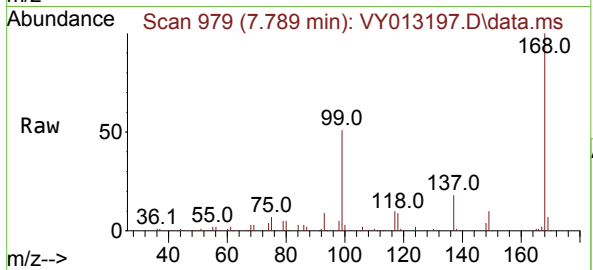
Quant Time: Apr 05 01:21:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 03 13:40:57 2023
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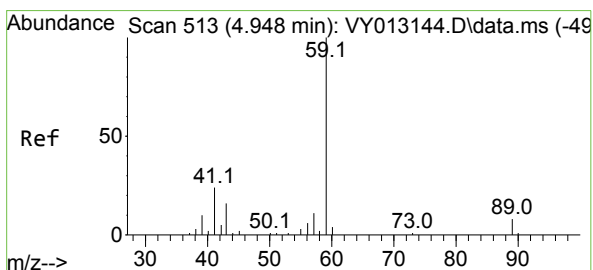
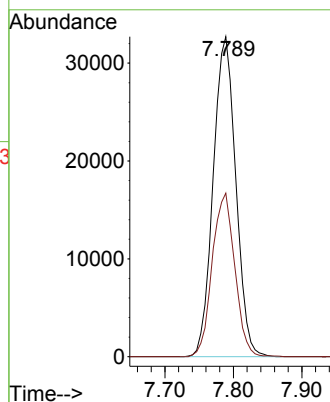
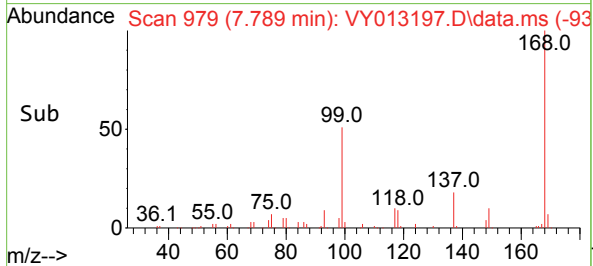


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

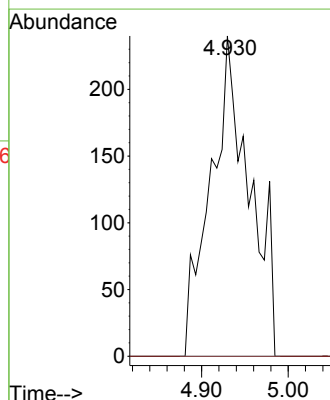
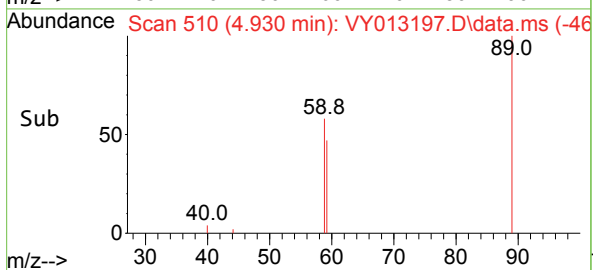
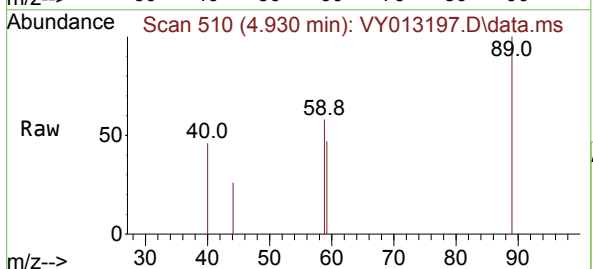


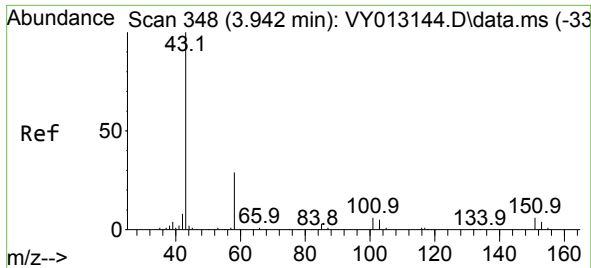
Tgt Ion:168 Resp: 74829
Ion Ratio Lower Upper
168 100
99 51.1 41.7 62.5



#11
Tert butyl alcohol
Concen: 10.320 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

Tgt Ion: 59 Resp: 748
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 7.023 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

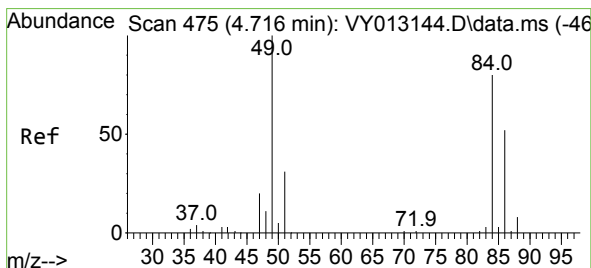
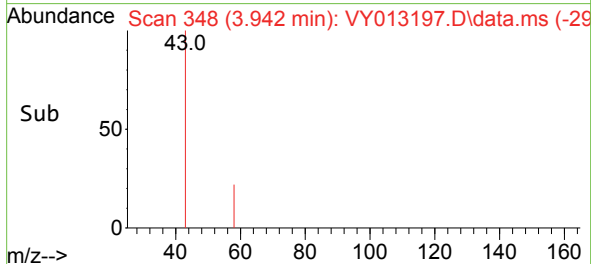
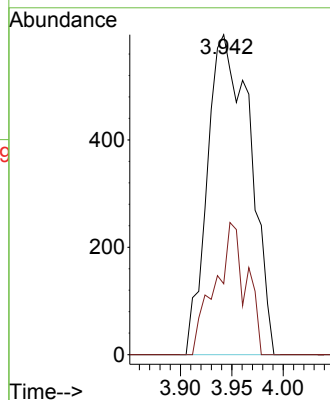
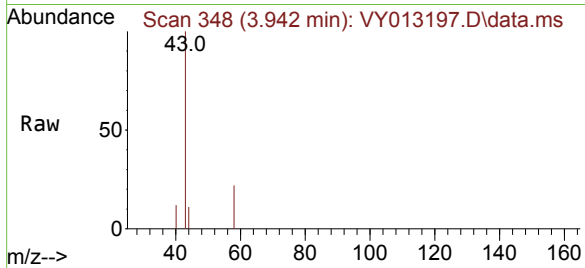
HR-03-033123

Tgt Ion: 43 Resp: 1727

Ion Ratio Lower Upper

43 100

58 22.1 24.2 36.2#



#20

Methylene Chloride

Concen: 10.561 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

Tgt Ion: 84 Resp: 12561

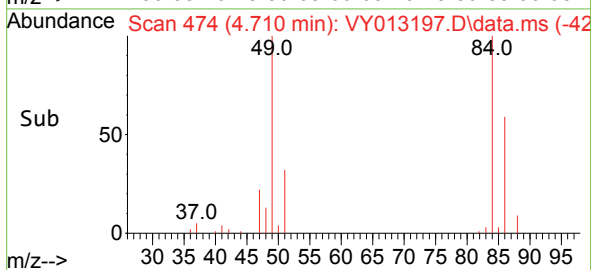
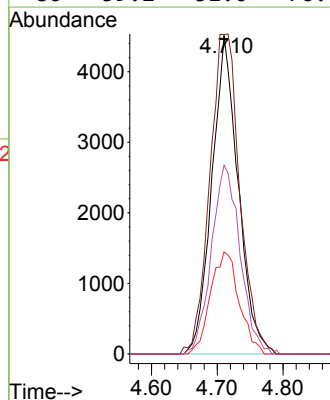
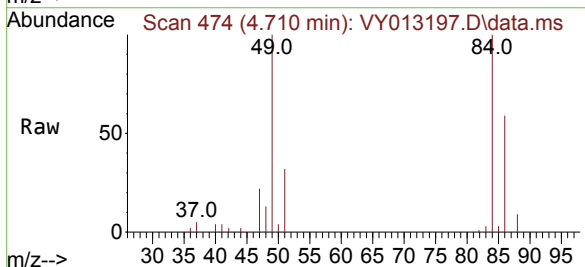
Ion Ratio Lower Upper

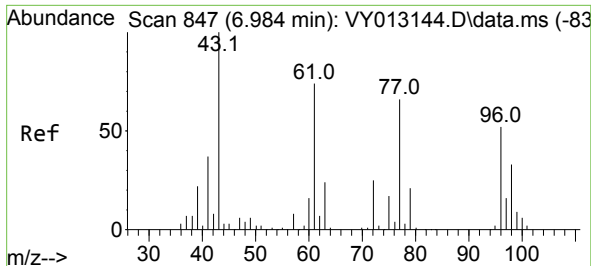
84 100

49 100.3 102.6 154.0#

51 32.1 31.9 47.9

86 59.2 51.0 76.6





#25

2-Butanone

Concen: 1.454 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY013197.D

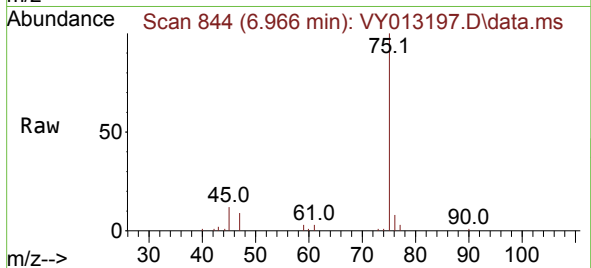
Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-033123

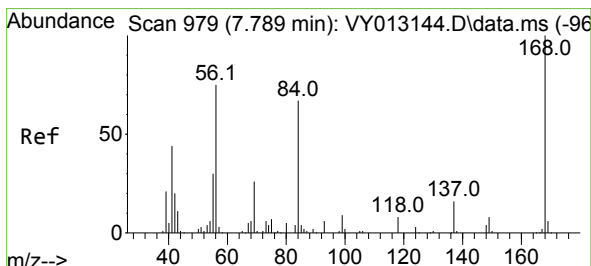
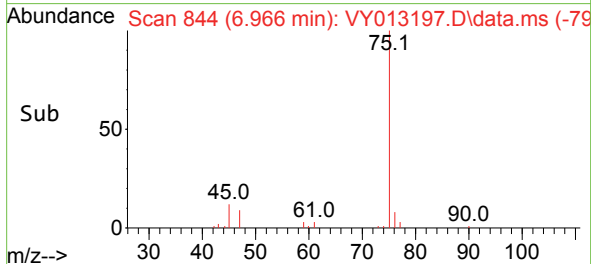
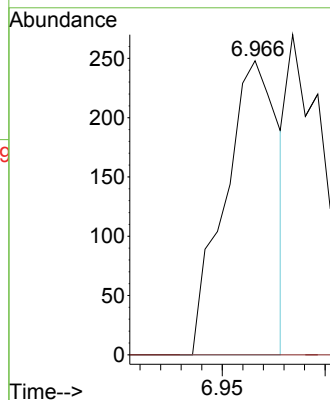


Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

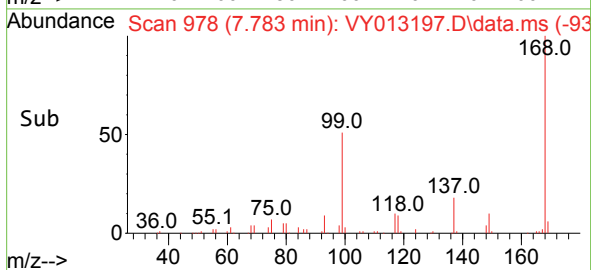
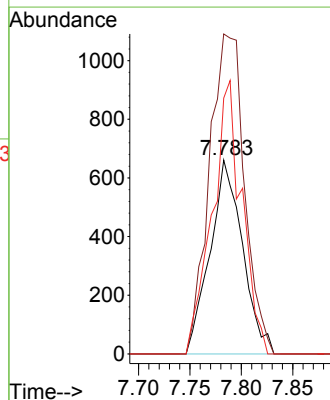
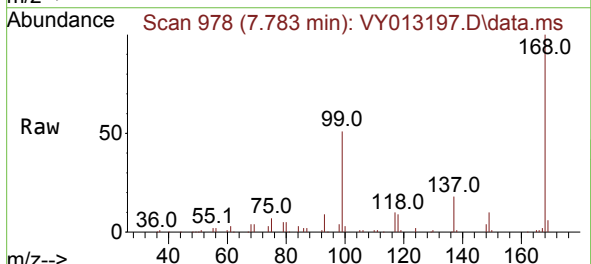
Tgt Ion: 56 Resp: 1452

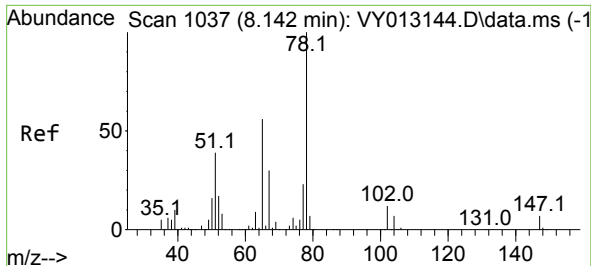
Ion Ratio Lower Upper

56 100

69 165.1 25.7 38.5#

84 131.9 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 63.948 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

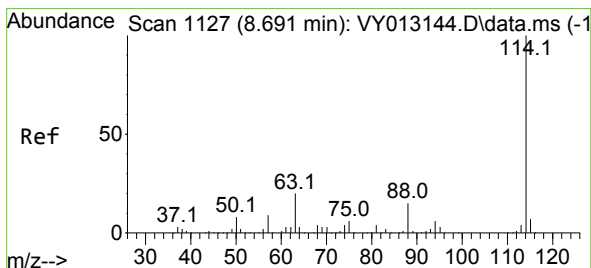
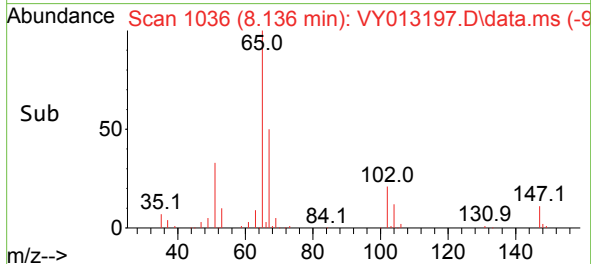
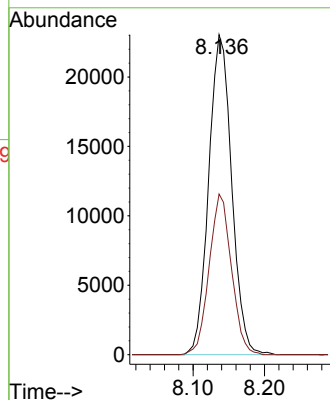
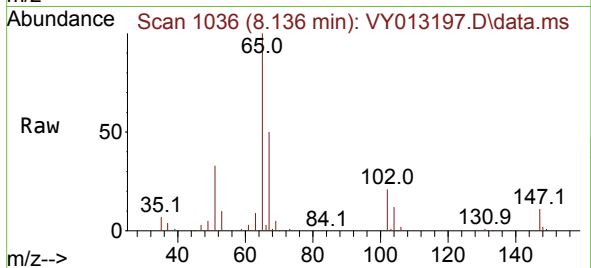
HR-03-033123

Tgt Ion: 65 Resp: 51425

Ion Ratio Lower Upper

65 100

67 48.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

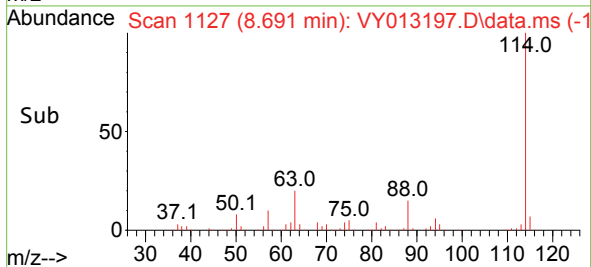
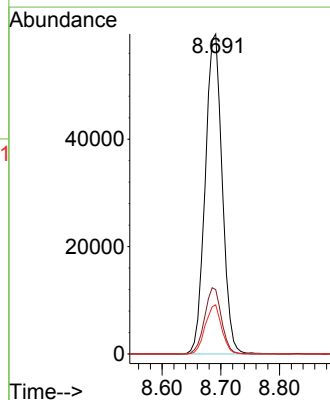
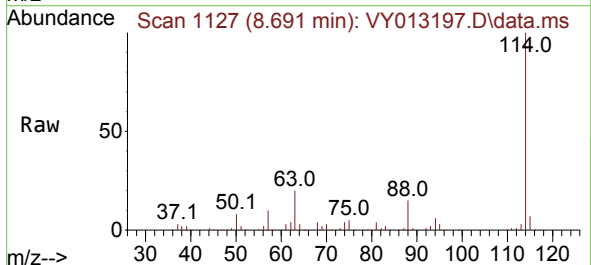
Tgt Ion: 114 Resp: 119294

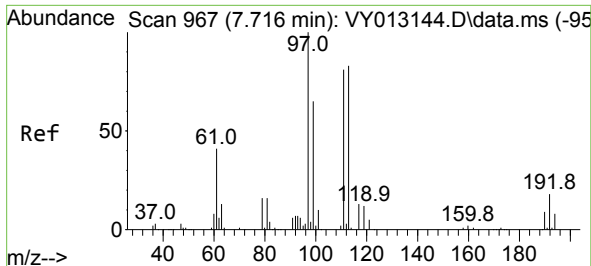
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.4 0.0 28.6

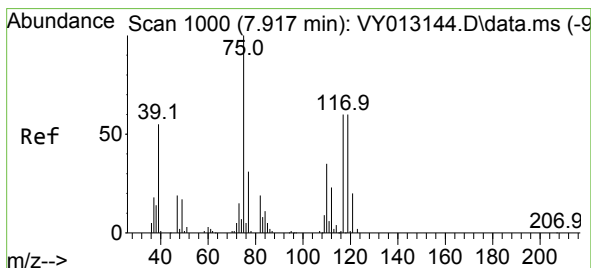
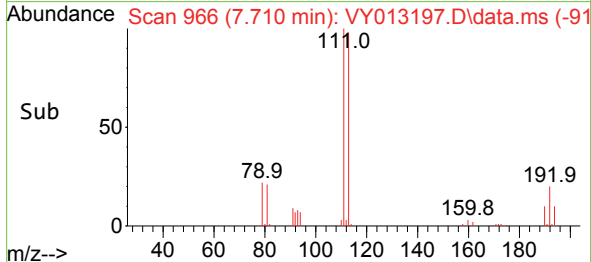
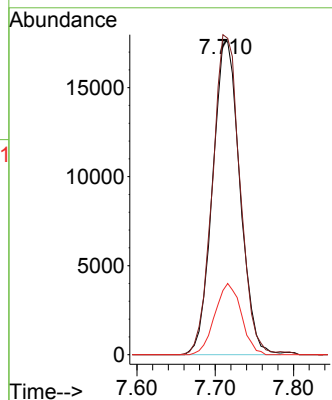
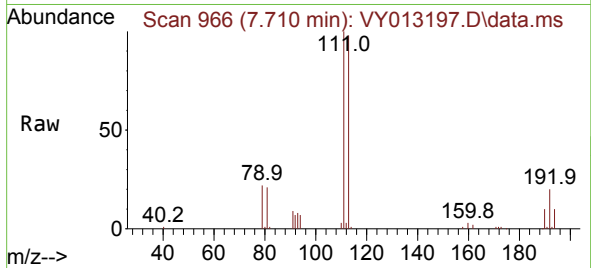




#35
Dibromofluoromethane
Concen: 54.722 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

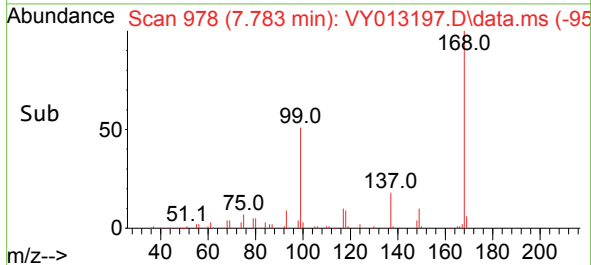
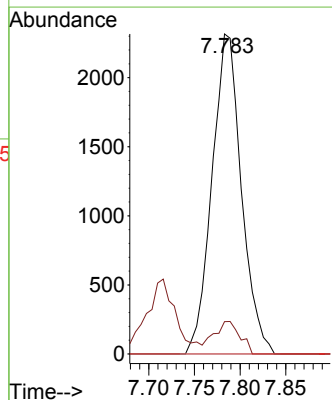
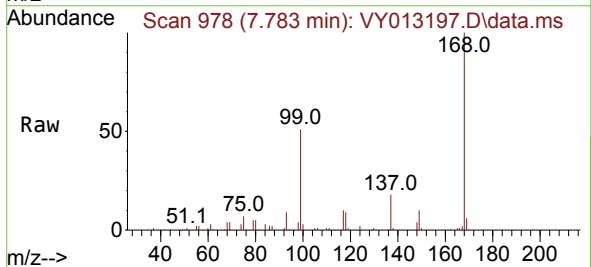
Instrument :
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HR-03-033123

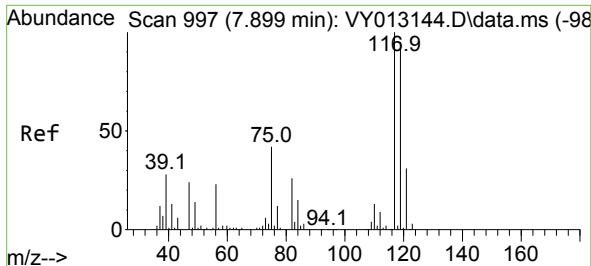
Tgt Ion:113 Resp: 42645
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 22.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

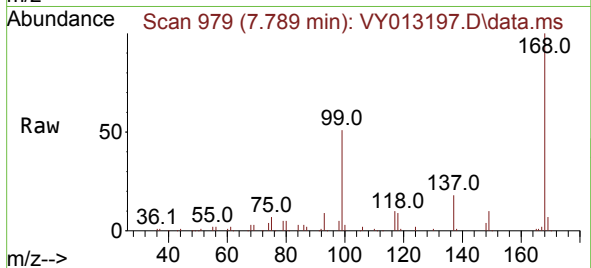
Tgt Ion: 75 Resp: 5181
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#



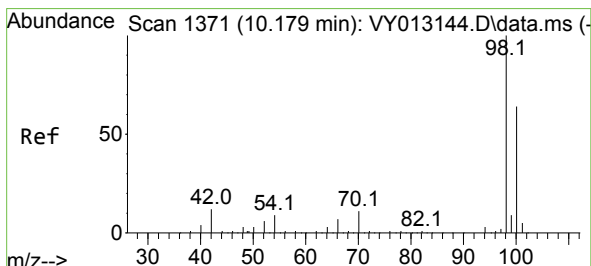
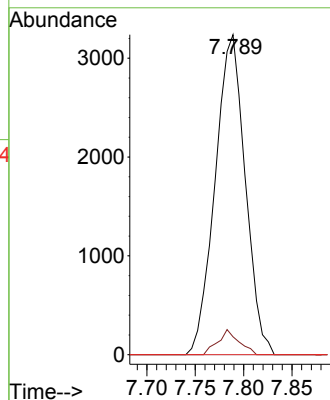
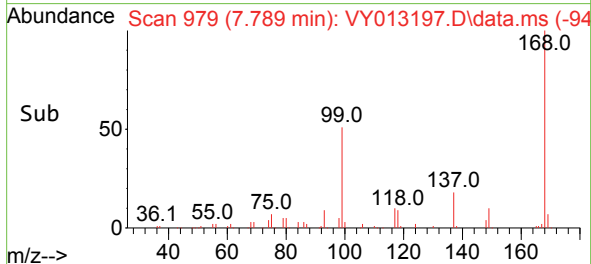


#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

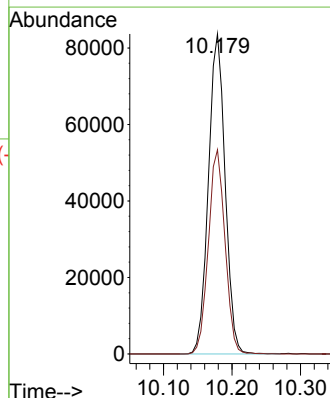
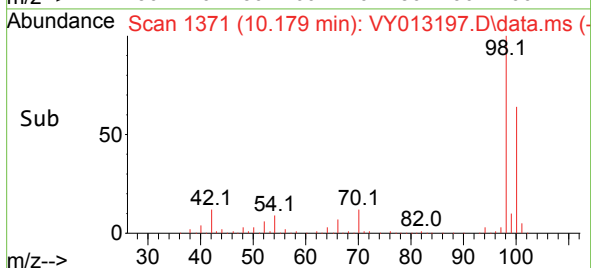
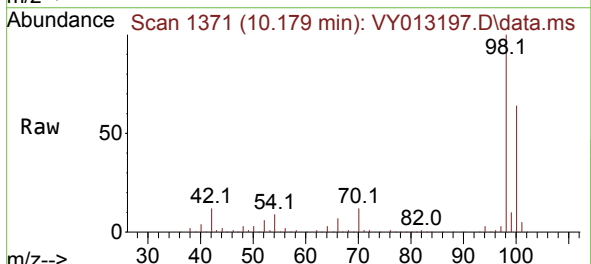


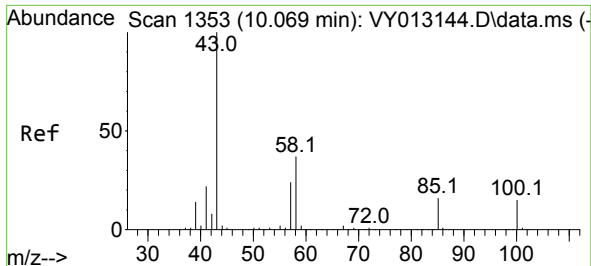
Tgt Ion:117 Resp: 7011
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.285 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

Tgt Ion: 98 Resp: 142056
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.041 ug/l

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

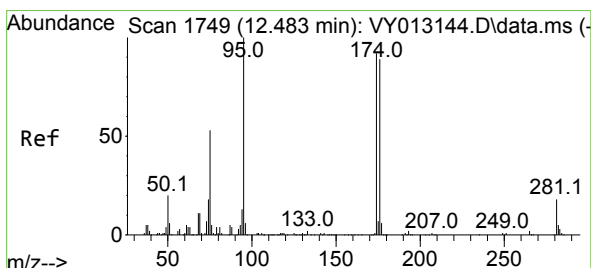
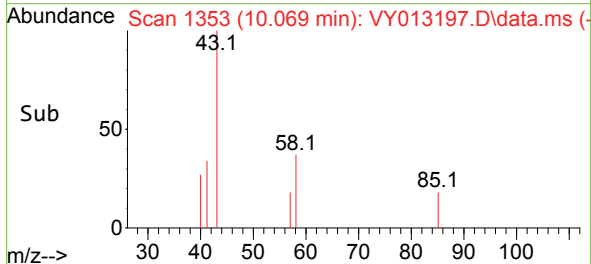
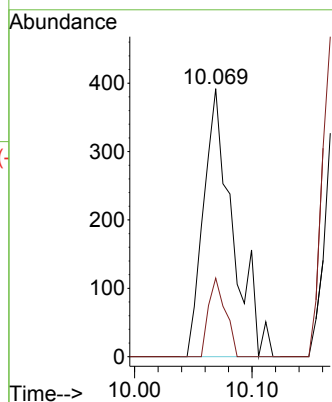
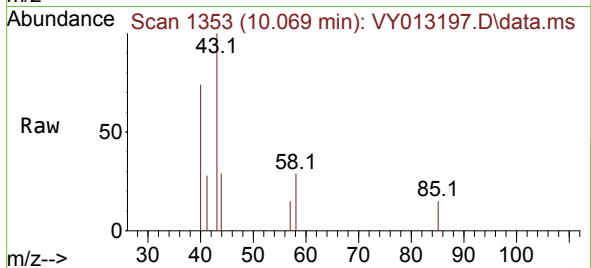
HR-03-033123

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

58 17.3 29.8 44.6#



#62

4-Bromofluorobenzene

Concen: 51.556 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

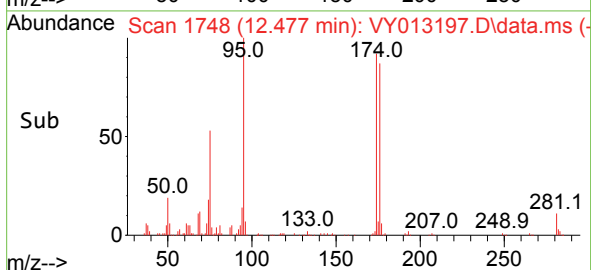
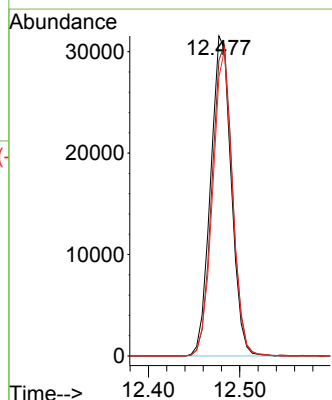
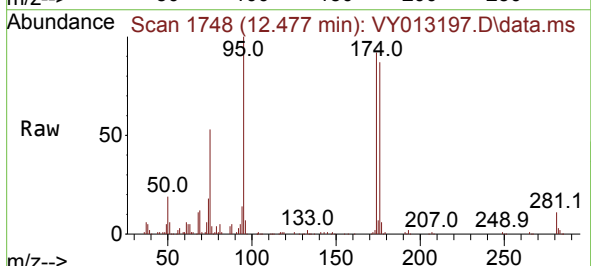
Tgt Ion: 95 Resp: 49371

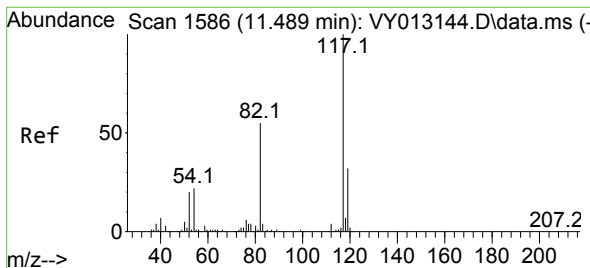
Ion Ratio Lower Upper

95 100

174 96.2 0.0 176.6

176 91.8 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-033123

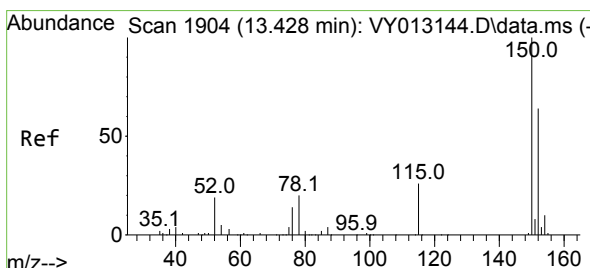
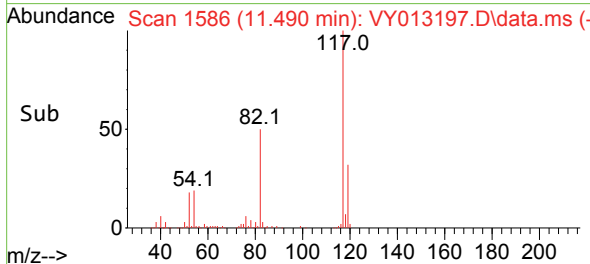
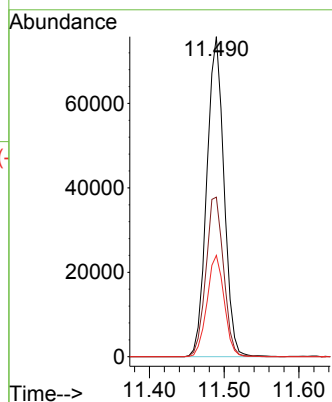
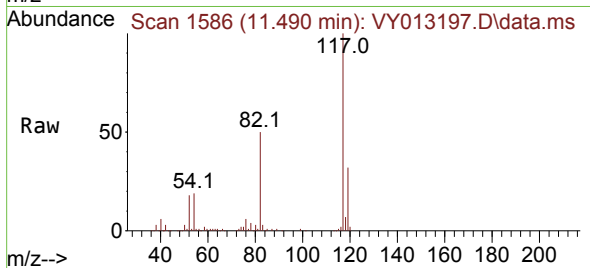
Tgt Ion:117 Resp: 120912

Ion Ratio Lower Upper

117 100

82 49.8 45.4 68.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013197.D

Acq: 04 Apr 2023 18:15

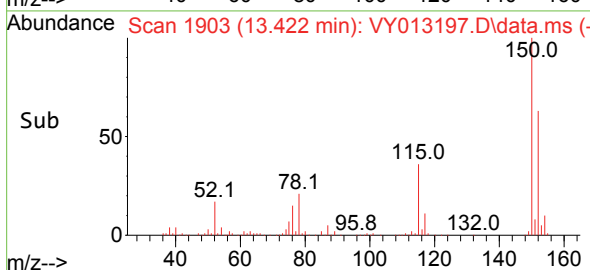
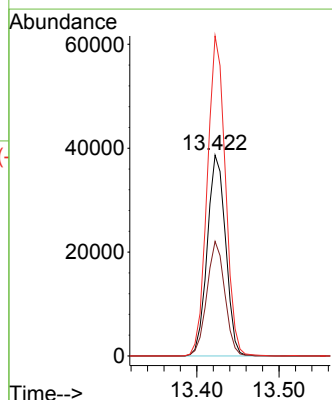
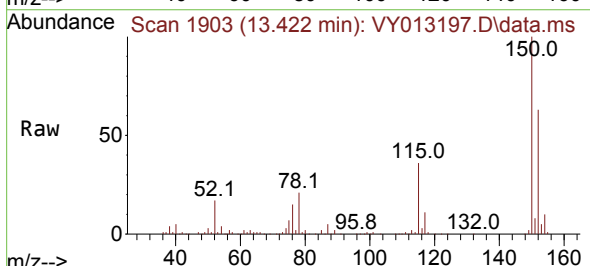
Tgt Ion:152 Resp: 59895

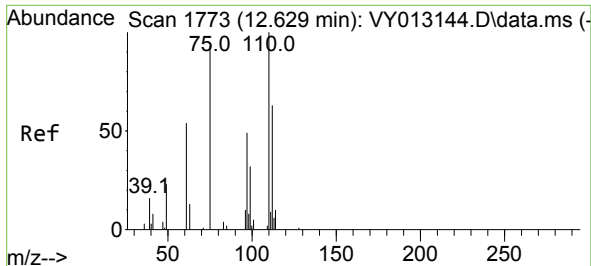
Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 157.4 0.0 347.8

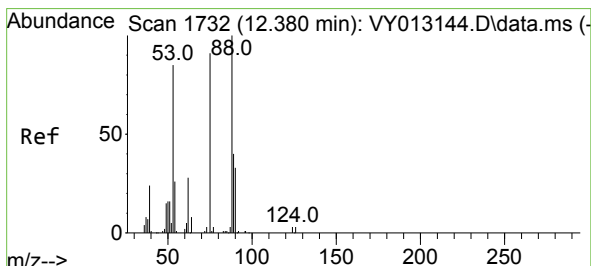
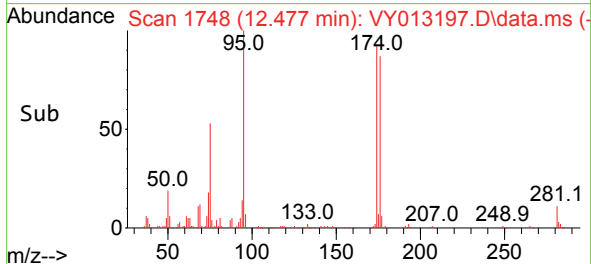
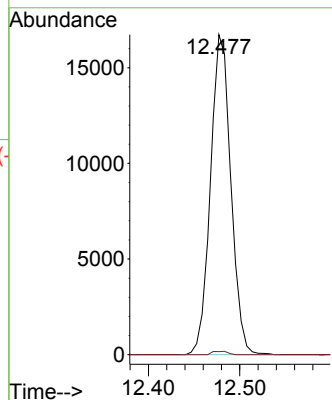
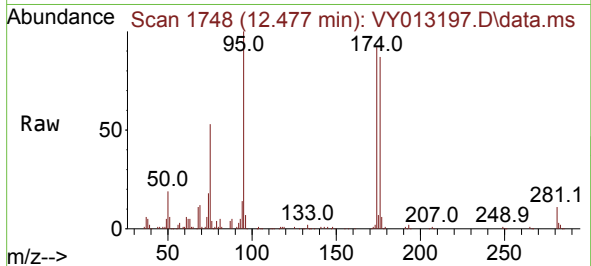




#76
1,2,3-Trichloropropane
Concen: 38.448 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

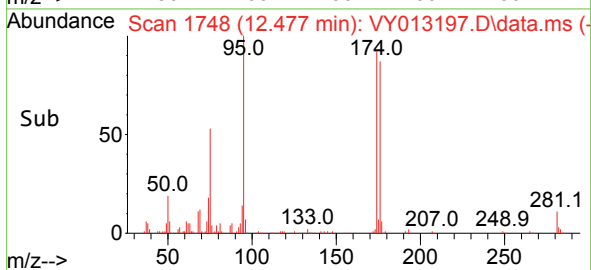
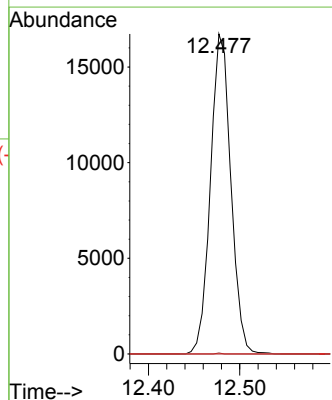
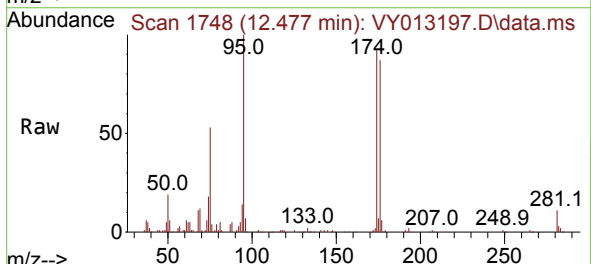
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-033123

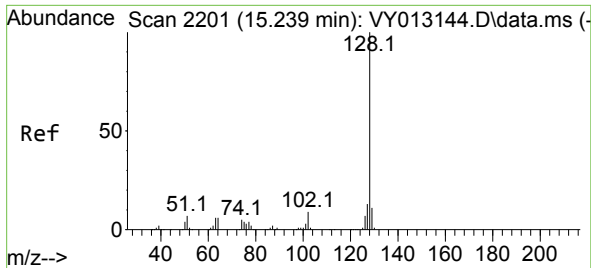
Tgt Ion: 75 Resp: 25870
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.744 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013197.D
Acq: 04 Apr 2023 18:15

Tgt Ion: 75 Resp: 25870
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 3.487 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013197.D

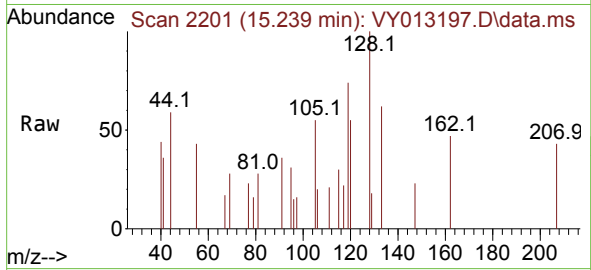
Acq: 04 Apr 2023 18:15

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-033123



Tgt Ion:	128	Resp:	609
Ion	Ratio	Lower	Upper
128	100		
127	3.3	10.3	15.5#
129	8.7	8.6	13.0

