

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013009.D
 Acq On : 20 Mar 2023 15:40
 Operator : KP/MD
 Sample : 02001-01
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-1

Quant Time: Mar 21 01:13:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	81395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	138678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	127542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56508	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54054	66.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.780%	
35) Dibromofluoromethane	7.716	113	47337	56.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.120%	
50) Toluene-d8	10.179	98	165854	54.208	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	12.483	95	50238	48.648	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.300%	

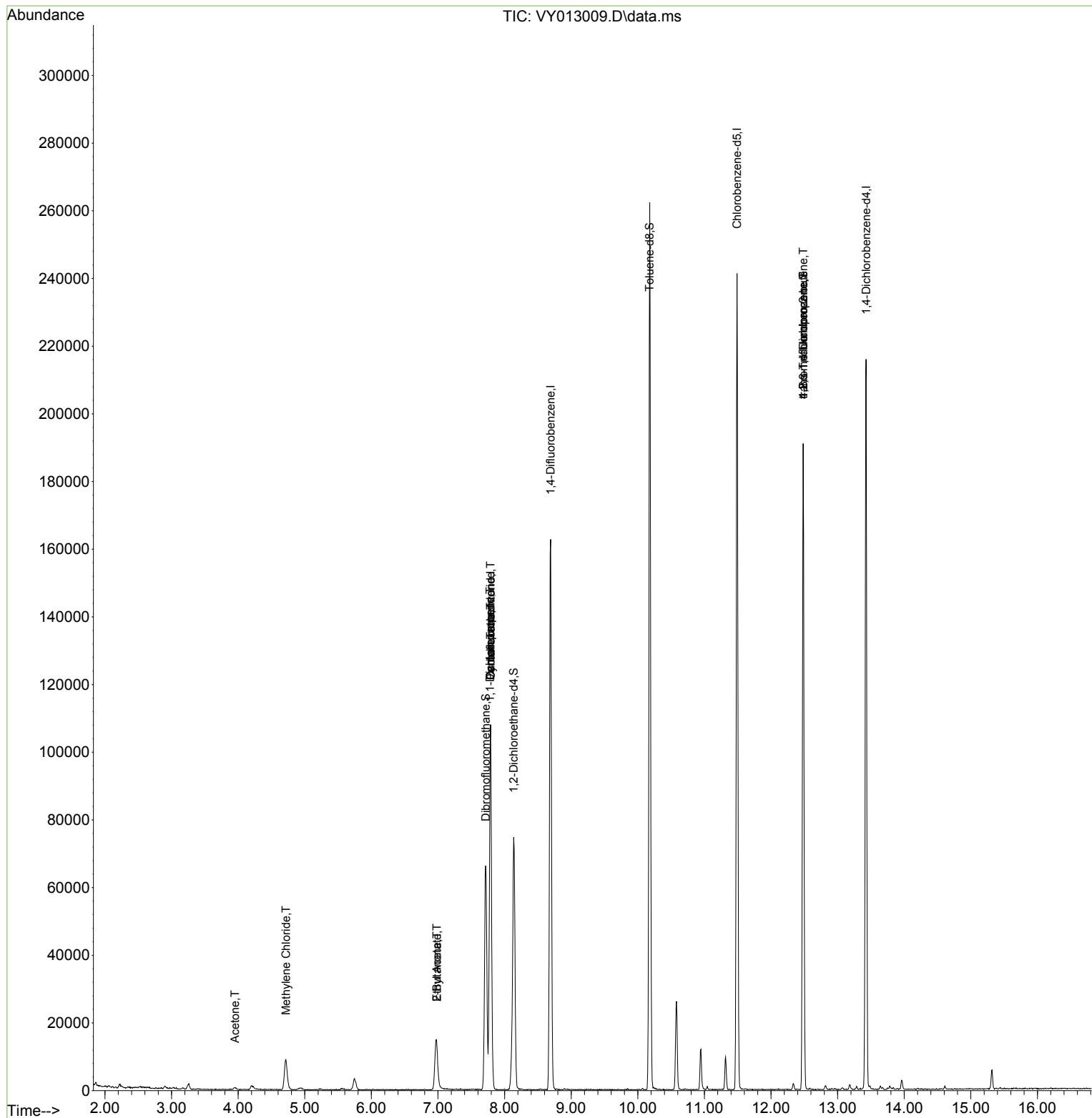
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.924	59	820	Below Cal	#	74
16) Acetone	3.954	43	1131	3.566	ug/l #	81
20) Methylene Chloride	4.716	84	6268	1.235	ug/l	95
25) 2-Butanone	6.984	43	1076	2.739	ug/l #	80
31) Cyclohexane	7.789	56	1745	1.127	ug/l #	5
36) 1,1-Dichloropropene	7.783	75	6506	4.639	ug/l #	50
37) Ethyl Acetate	6.984	43	1076	1.217	ug/l #	8
38) Carbon Tetrachloride	7.789	117	8133	5.616	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	27006	40.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27006	82.925	ug/l #	13

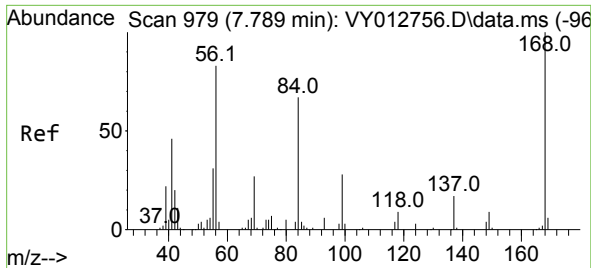
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
Data File : VY013009.D
Acq On : 20 Mar 2023 15:40
Operator : KP/MD
Sample : 02001-01
Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

Quant Time: Mar 21 01:13:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

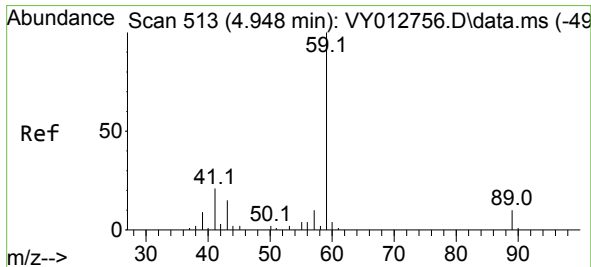
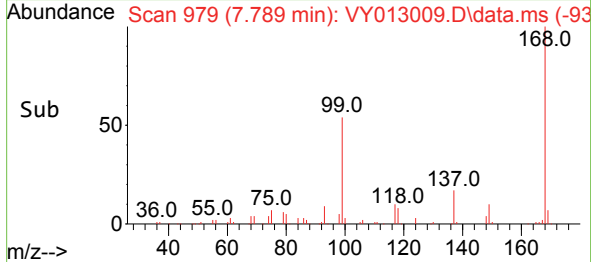
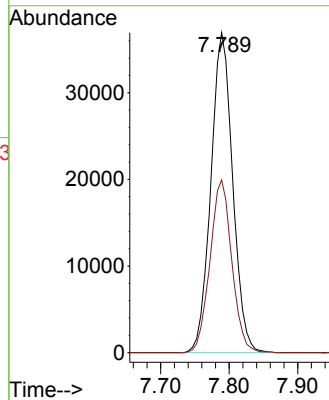
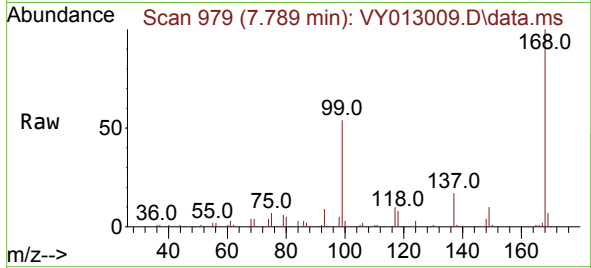




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

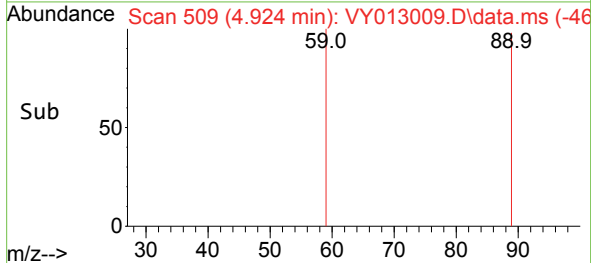
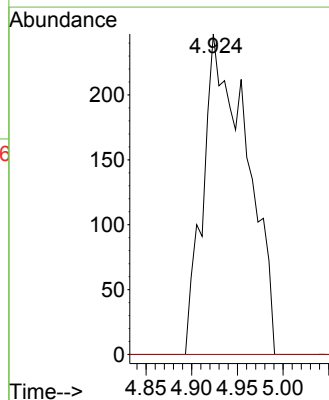
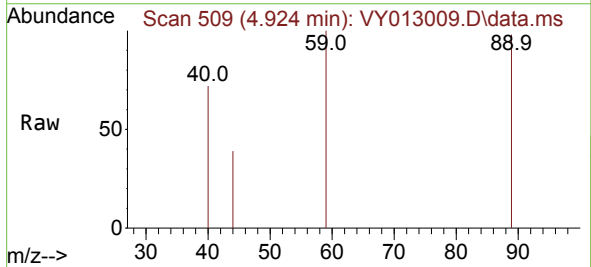
Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

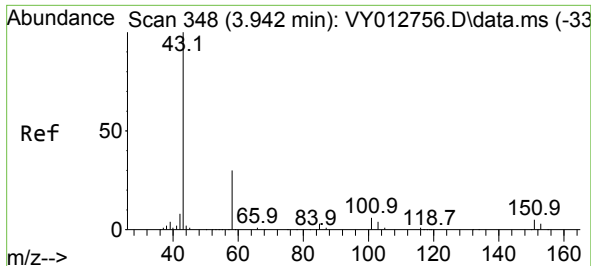
Tgt Ion:168 Resp: 81395
Ion Ratio Lower Upper
168 100
99 54.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion: 59 Resp: 820
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 3.566 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY013009.D

Acq: 20 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

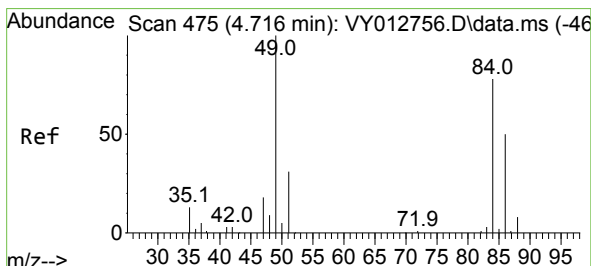
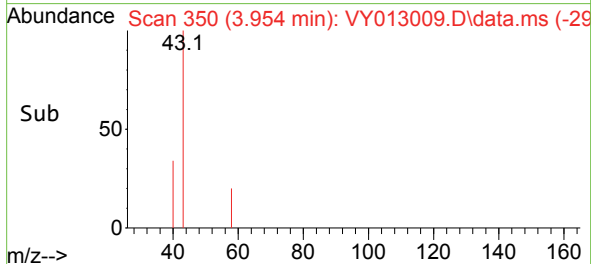
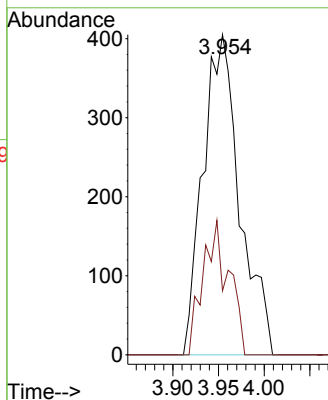
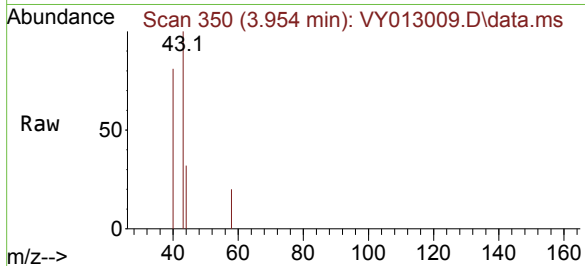
IRV-1

Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

58 20.0 24.2 36.2#



#20

Methylene Chloride

Concen: 1.235 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013009.D

Acq: 20 Mar 2023 15:40

Tgt Ion: 84 Resp: 6268

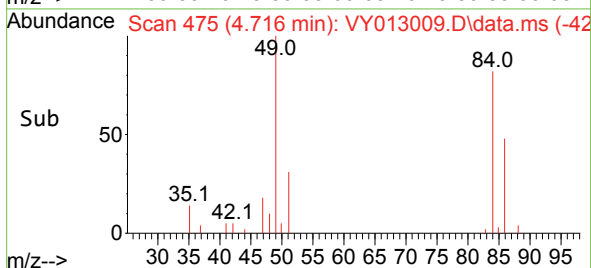
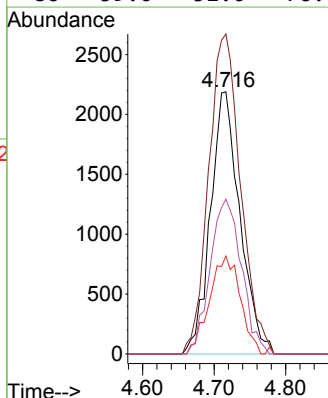
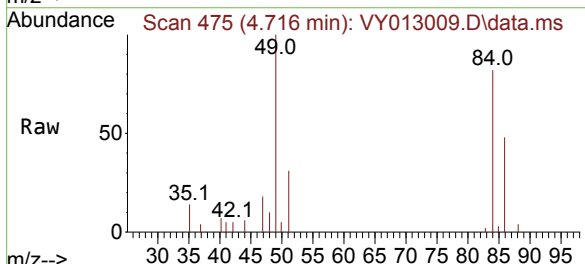
Ion Ratio Lower Upper

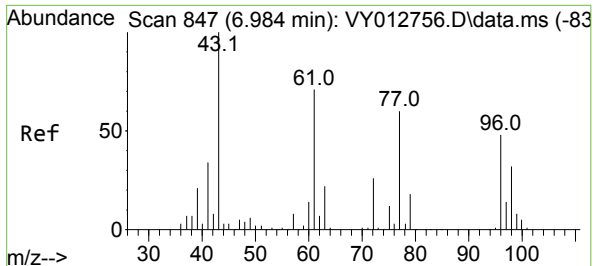
84 100

49 122.1 102.6 154.0

51 37.4 31.9 47.9

86 59.0 51.0 76.6

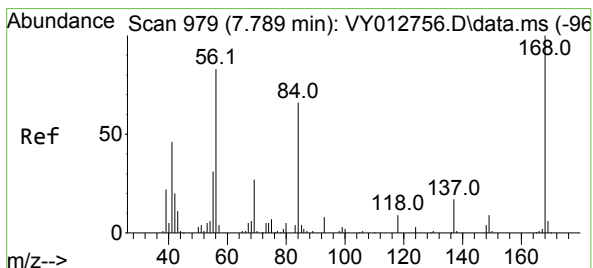
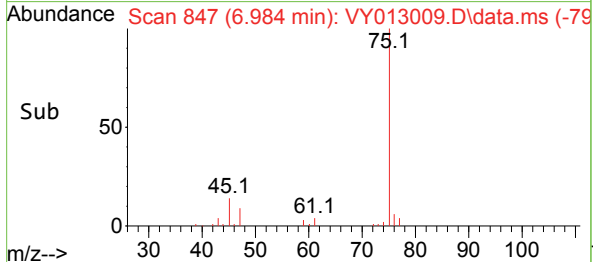
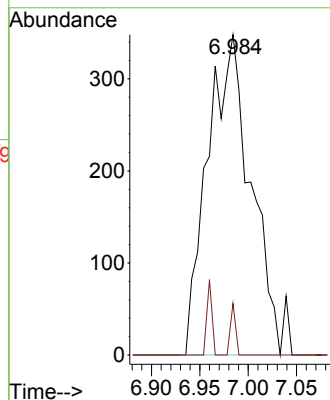
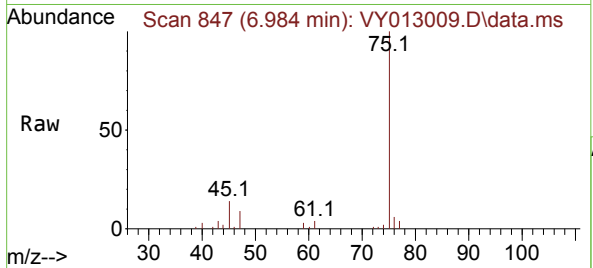




#25
2-Butanone
Concen: 2.739 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

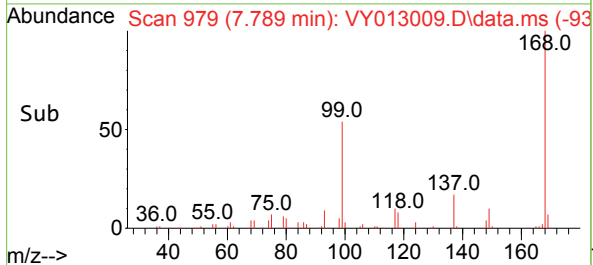
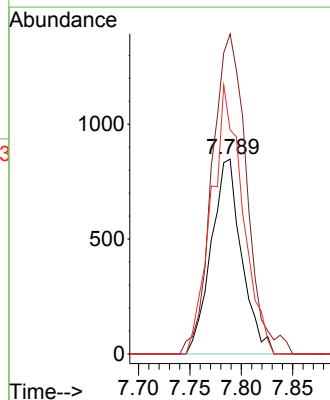
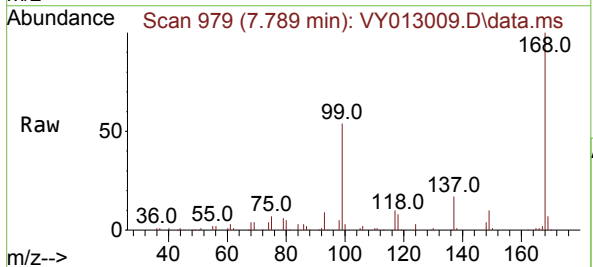
Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

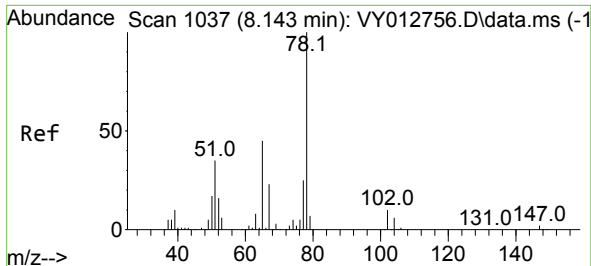
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
72 16.1 21.0 31.4#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion: 56 Resp: 1745
Ion Ratio Lower Upper
56 100
69 164.3 25.7 38.5#
84 115.0 64.3 96.5#

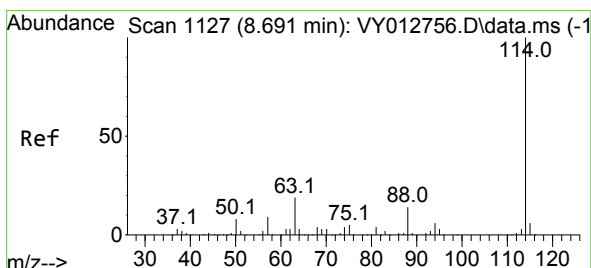
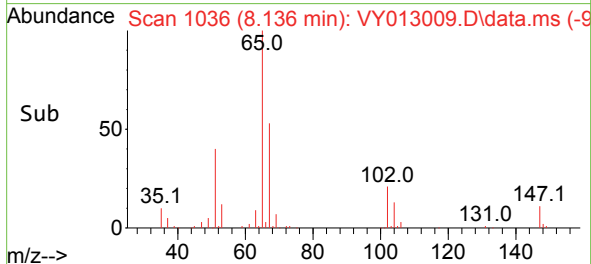
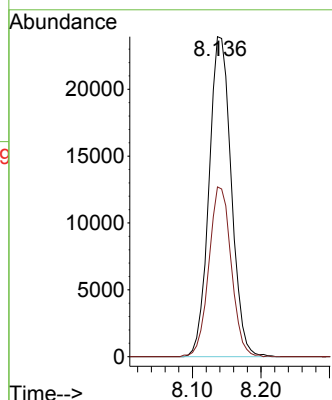
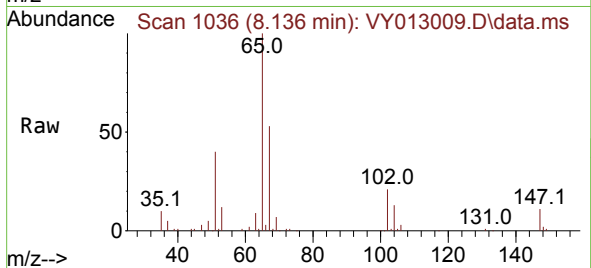




#33
 1,2-Dichloroethane-d4
 Concen: 66.886 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY013009.D
 Acq: 20 Mar 2023 15:40

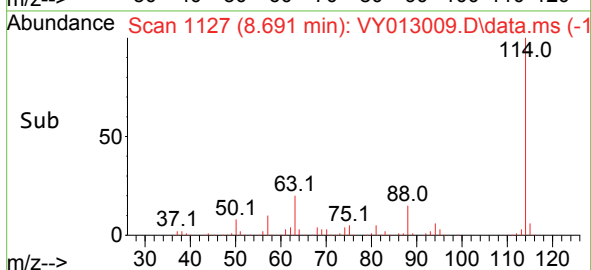
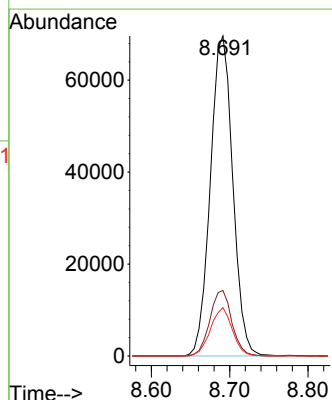
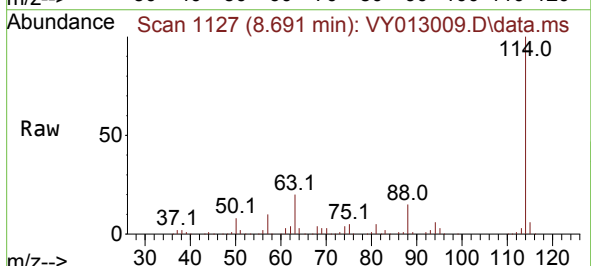
Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-1

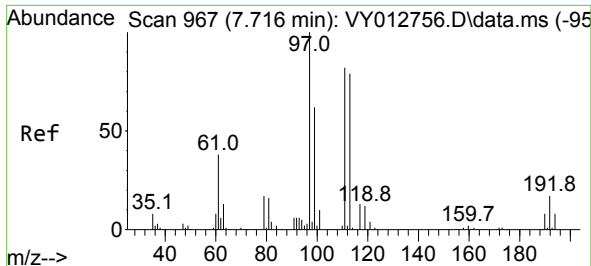
Tgt Ion: 65 Resp: 54054
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY013009.D
 Acq: 20 Mar 2023 15:40

Tgt Ion: 114 Resp: 138678
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.4
 88 15.1 0.0 28.6

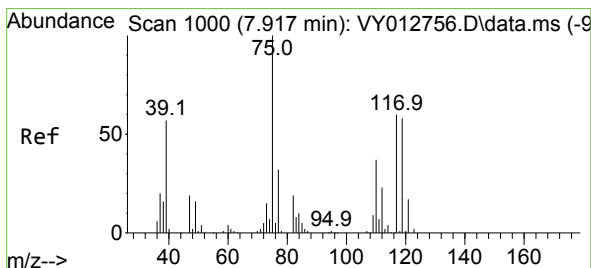
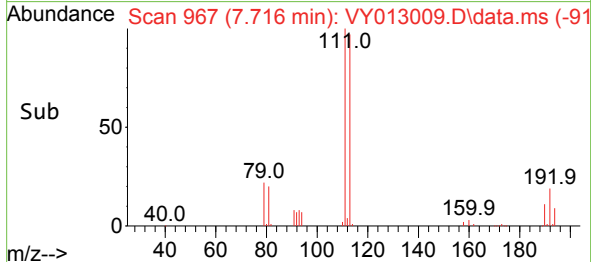
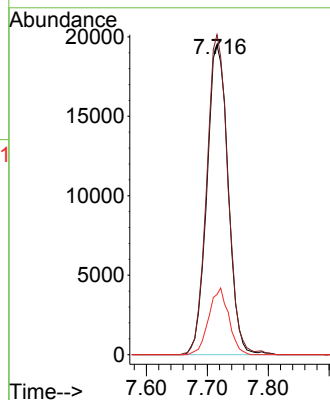
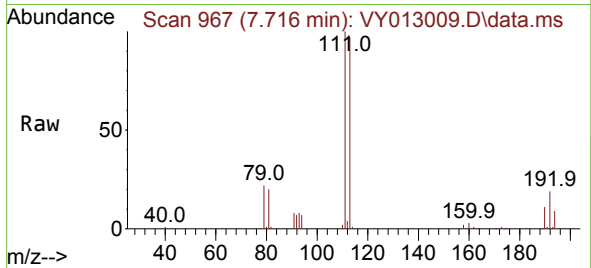




#35
Dibromofluoromethane
Concen: 56.561 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

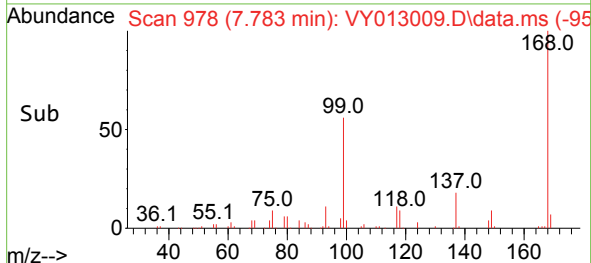
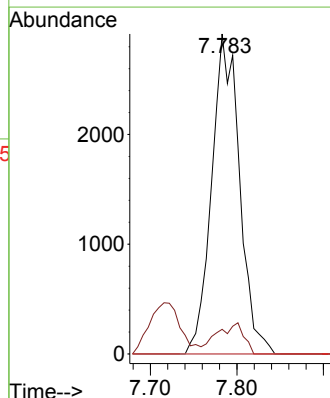
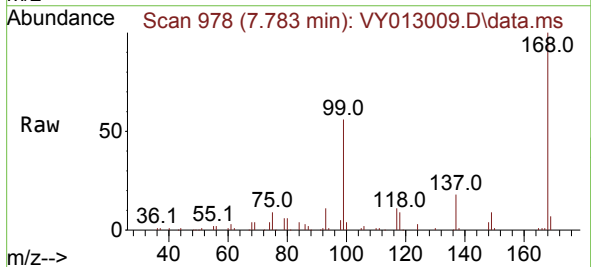
Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

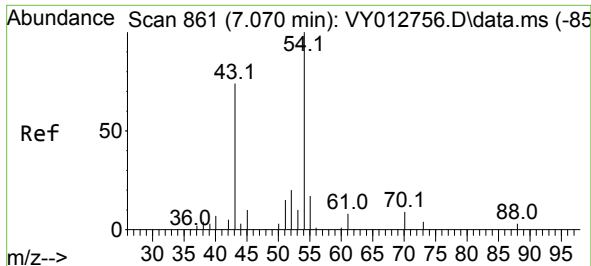
Tgt Ion:113 Resp: 47337
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion: 75 Resp: 6506
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.217 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY013009.D

Acq: 20 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

IRV-1

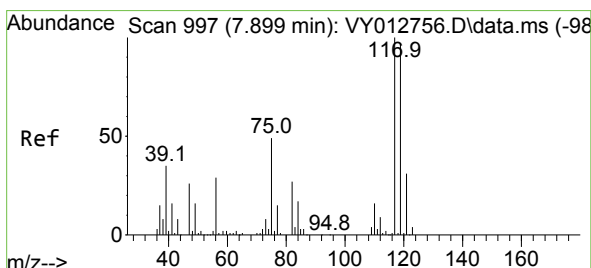
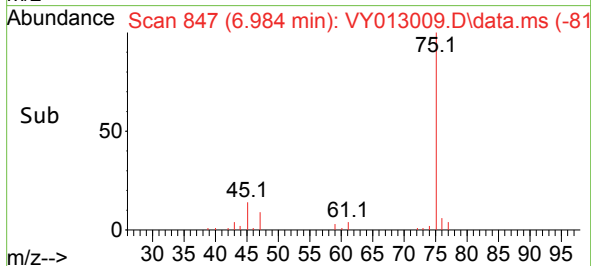
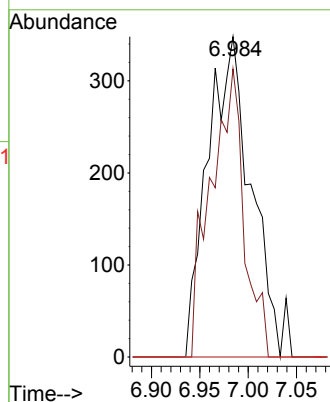
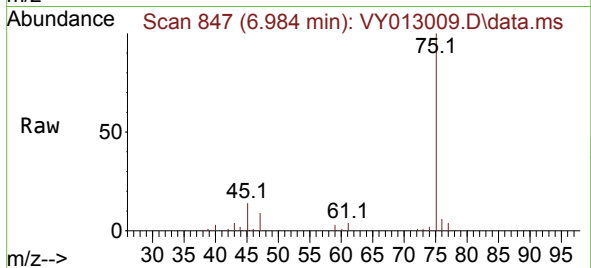
Tgt Ion: 43 Resp: 1076

Ion Ratio Lower Upper

43 100

61 69.6 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013009.D

Acq: 20 Mar 2023 15:40

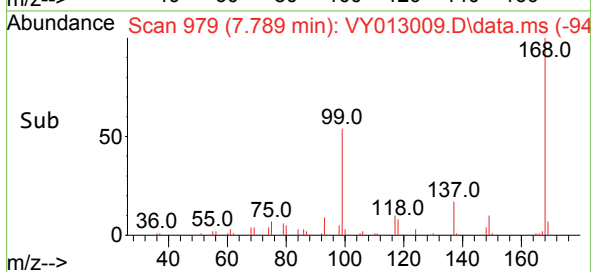
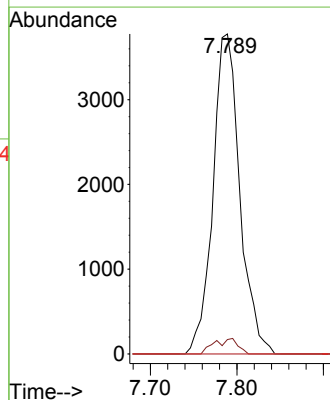
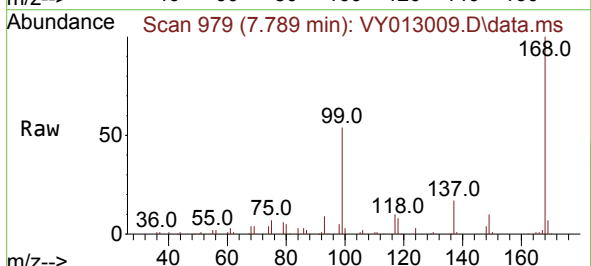
Tgt Ion:117 Resp: 8133

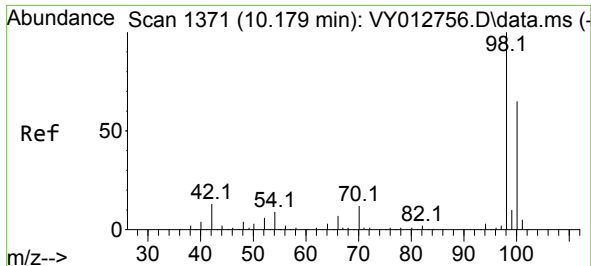
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 24.7 37.1#

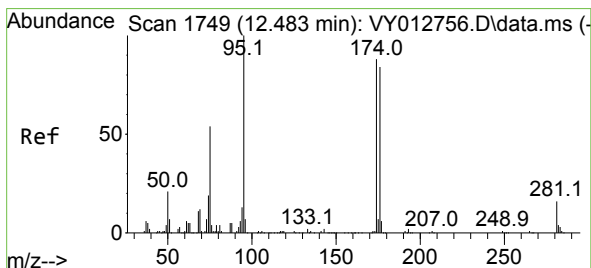
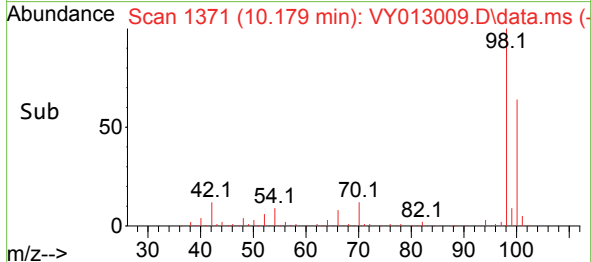
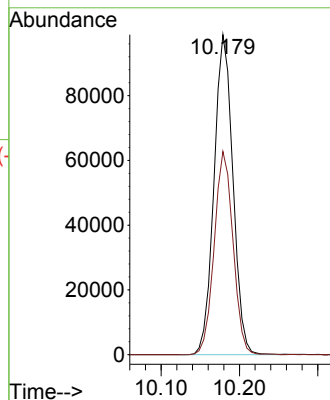
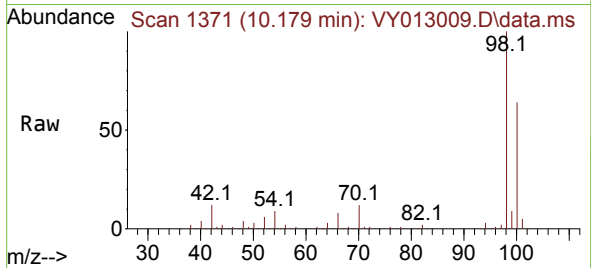




#50
Toluene-d8
Concen: 54.208 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

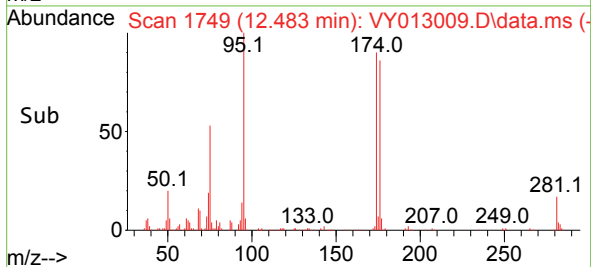
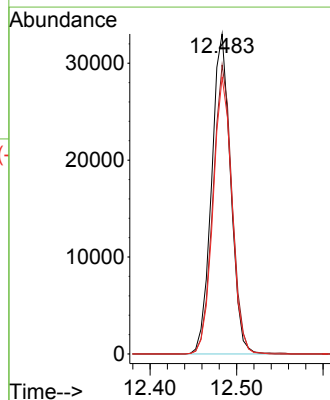
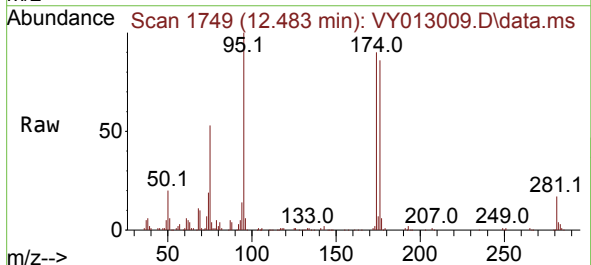
Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

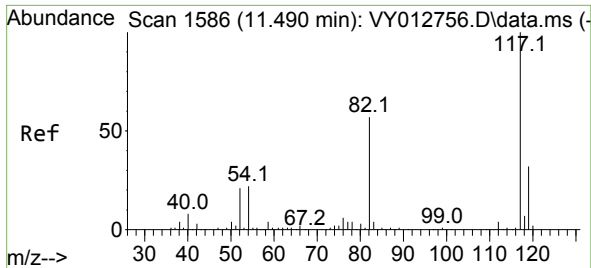
Tgt Ion: 98 Resp: 165854
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.648 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion: 95 Resp: 50238
Ion Ratio Lower Upper
95 100
174 91.2 0.0 176.6
176 86.2 0.0 170.2

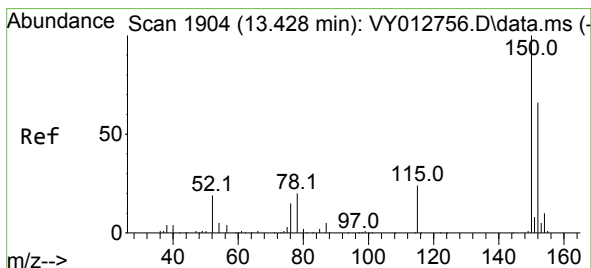
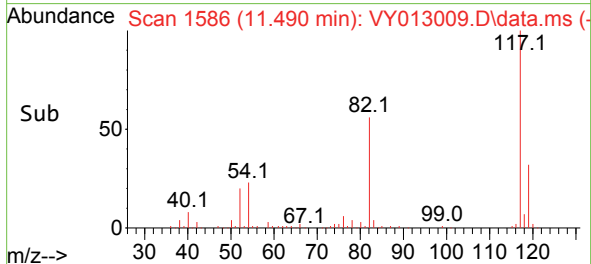
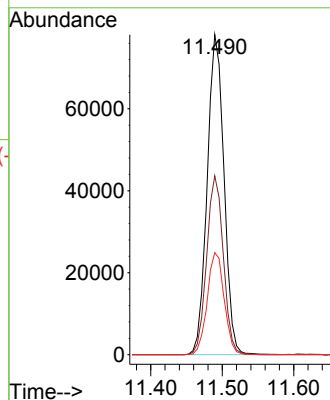
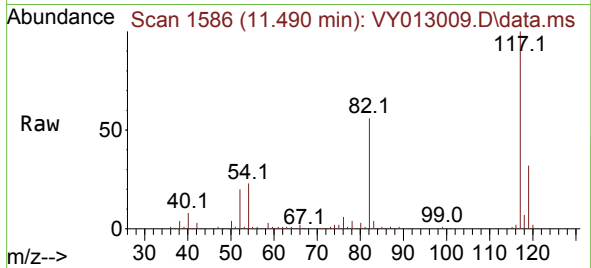




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

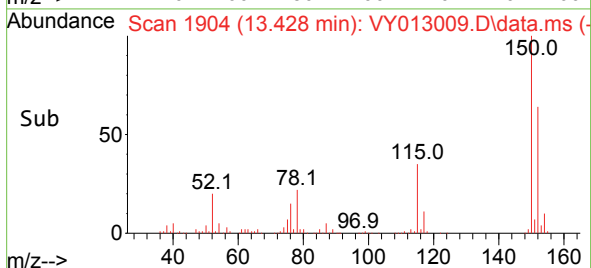
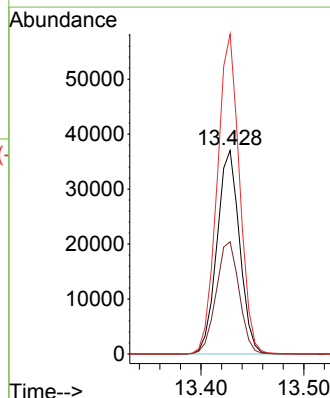
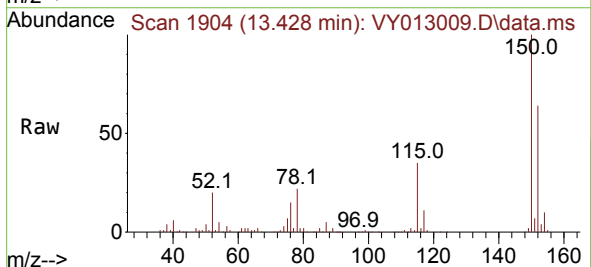
Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

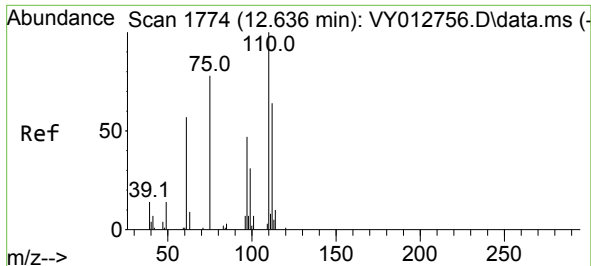
Tgt Ion:117 Resp: 127542
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion:152 Resp: 56508
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 155.0 0.0 347.8

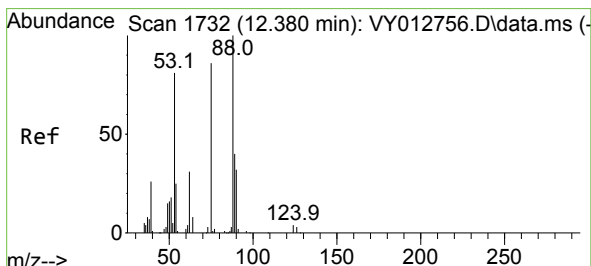
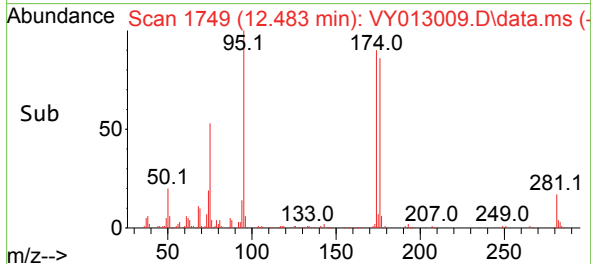
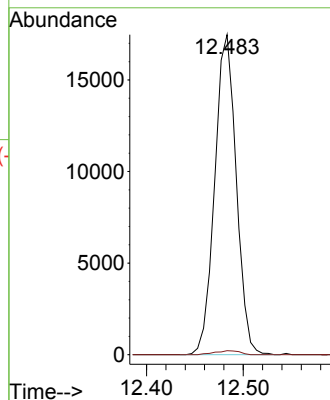
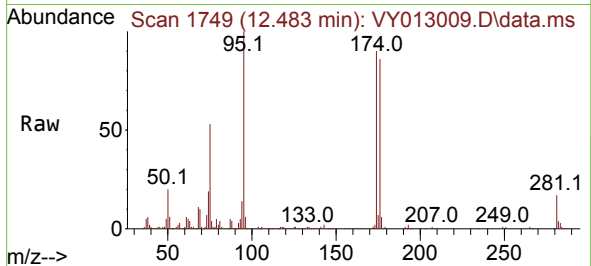




#76
1,2,3-Trichloropropane
Concen: 40.021 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Instrument :
MSVOA_Y
ClientSampleId :
IRV-1

Tgt Ion: 75 Resp: 27006
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.925 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013009.D
Acq: 20 Mar 2023 15:40

Tgt Ion: 75 Resp: 27006
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.2 36.6 55.0#

