

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016104.D
 Acq On : 27 Oct 2023 14:46
 Operator : SY/MD
 Sample : 05083-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:08:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

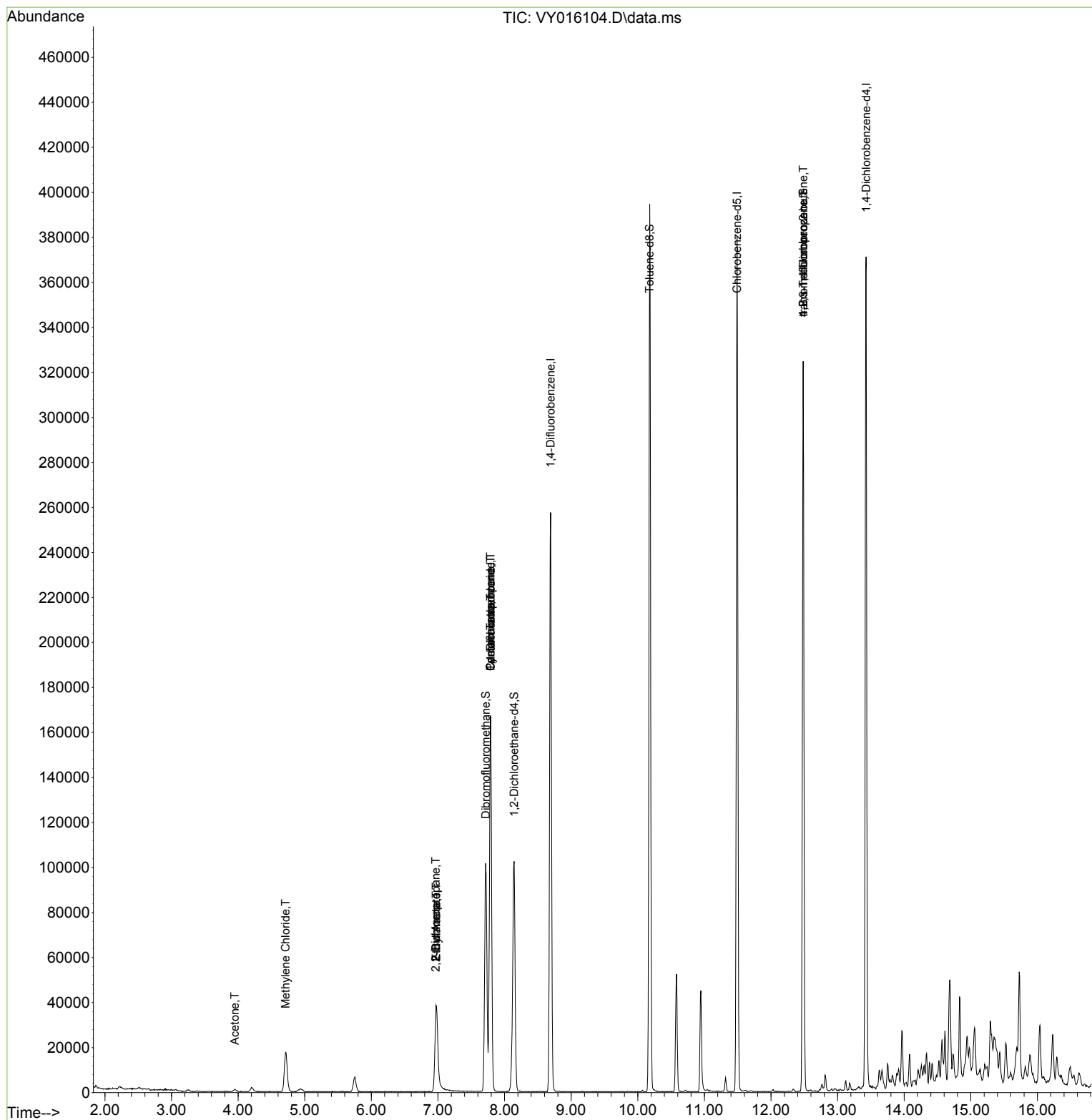
Internal Standards						
1) Pentafluorobenzene	7.789	168	132367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	211137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76824	58.368	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.740%	
35) Dibromofluoromethane	7.716	113	73353	51.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.760%	
50) Toluene-d8	10.179	98	263860	50.382	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.483	95	90776	50.530	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2290	Below Cal	#	95
16) Acetone	3.948	43	1784	5.001	ug/l	92
20) Methylene Chloride	4.710	84	14149	4.928	ug/l	87
25) 2-Butanone	6.972	43	1898	3.942	ug/l	92
26) 2,2-Dichloropropane	6.966	77	3013	1.391	ug/l #	54
31) Cyclohexane	7.789	56	2583	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9993	5.070	ug/l #	50
37) Ethyl Acetate	6.972	43	1898	1.879	ug/l #	1
38) Carbon Tetrachloride	7.789	117	13174	6.321	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	45674	45.587	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45674	99.065	ug/l #	11

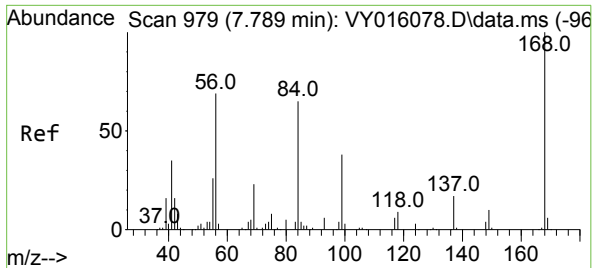
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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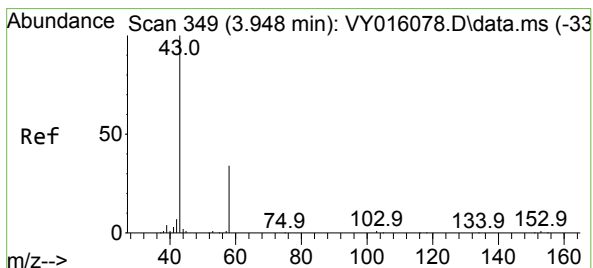
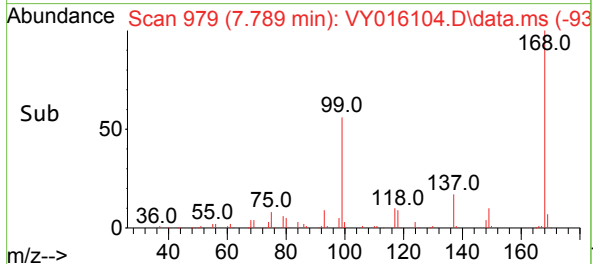
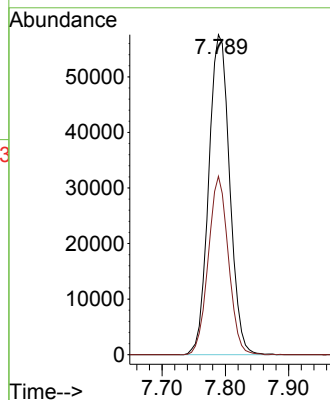
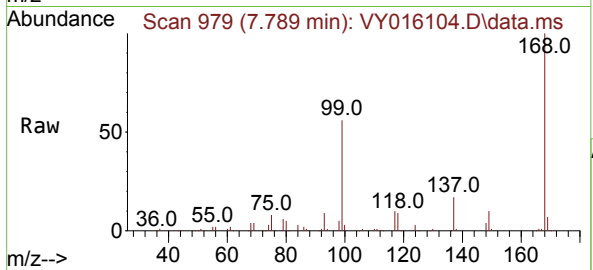




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

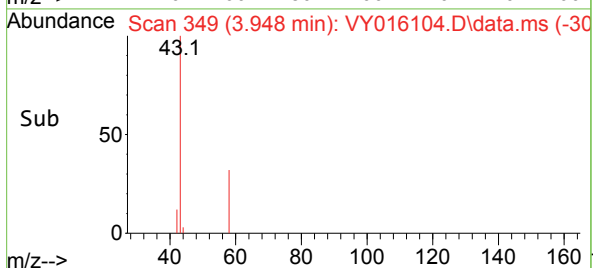
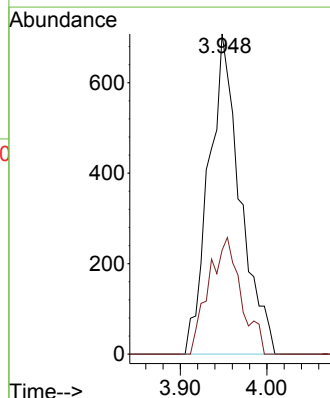
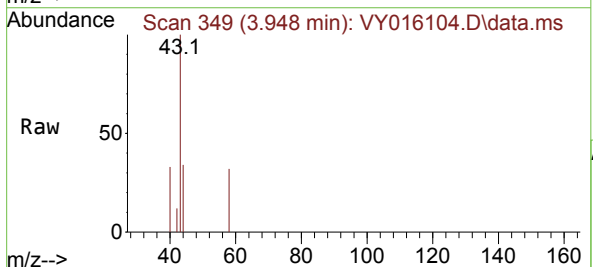
Instrument :
MSVOA_Y
ClientSampleId :

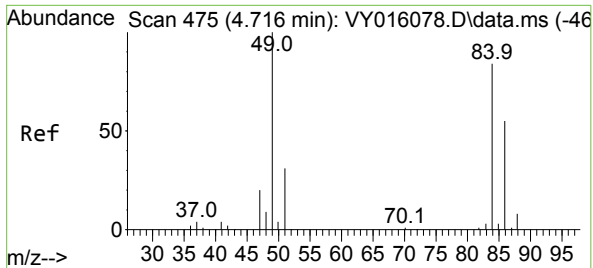
Tgt Ion:168 Resp: 132367
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#16
Acetone
Concen: 5.001 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

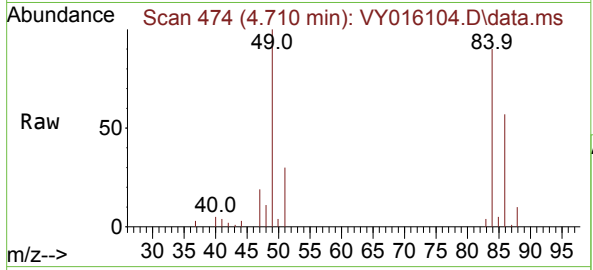
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1



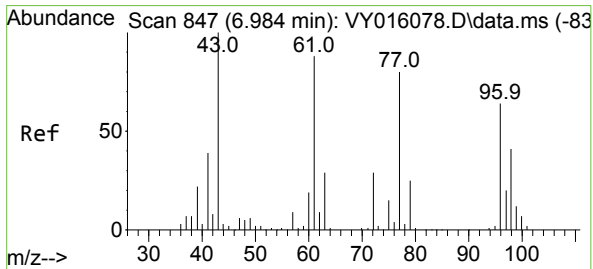
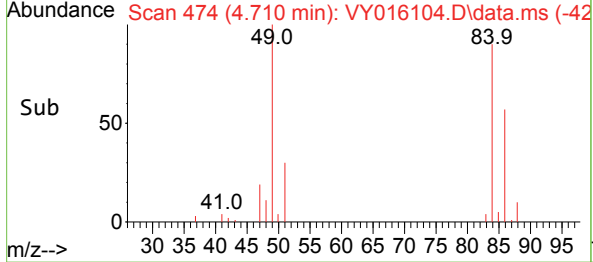
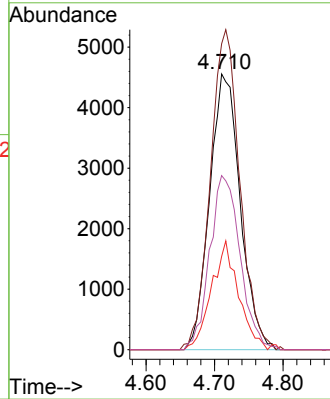


#20
Methylene Chloride
Concen: 4.928 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Instrument :
MSVOA_Y
ClientSampleId :

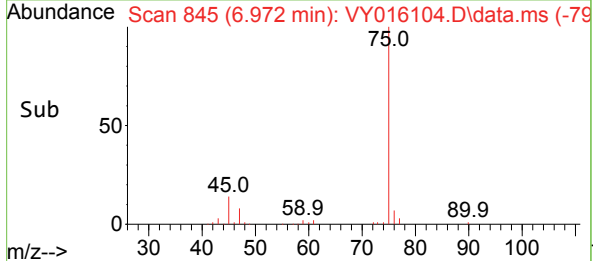
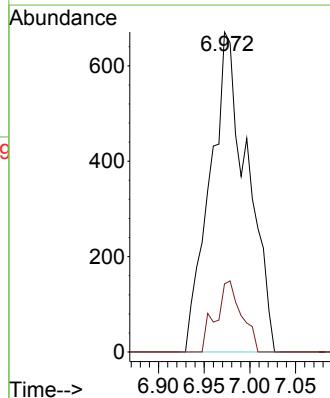
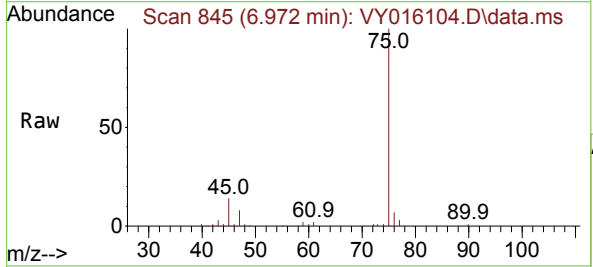


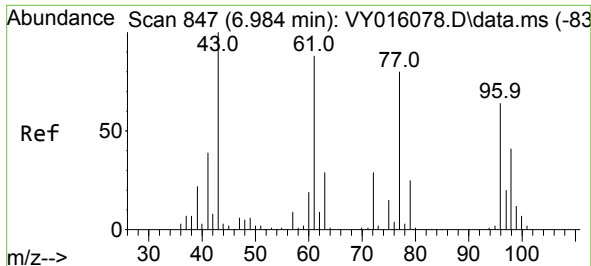
Tgt Ion:	84	Resp:	14149
Ion	Ratio	Lower	Upper
84	100		
49	111.0	106.9	160.3
51	33.8	33.2	49.8
86	63.1	51.0	76.6



#25
2-Butanone
Concen: 3.942 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Tgt Ion:	43	Resp:	1898
Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.5	30.7

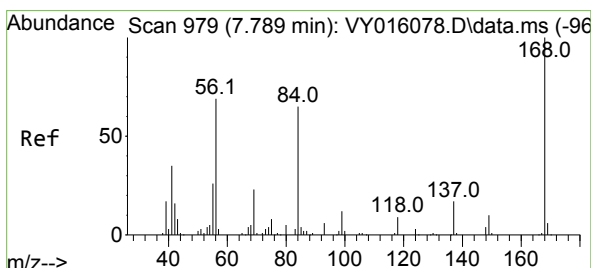
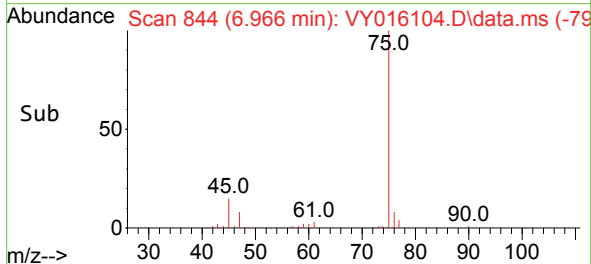
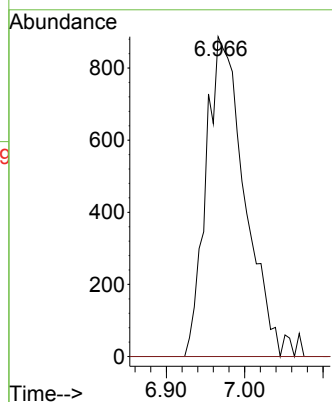
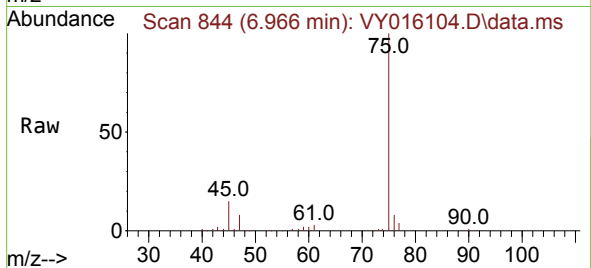




#26
2,2-Dichloropropane
Concen: 1.391 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

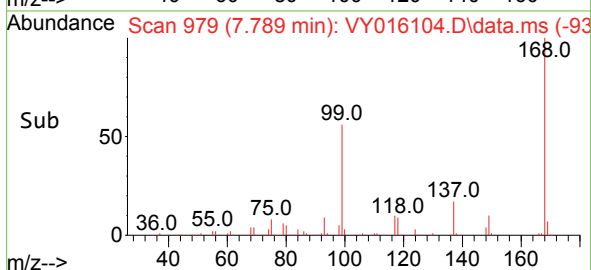
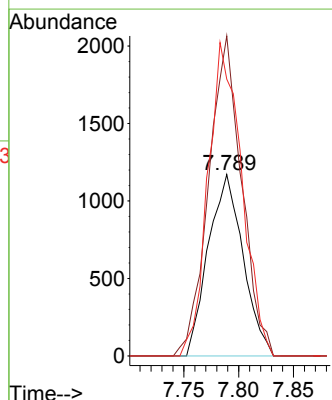
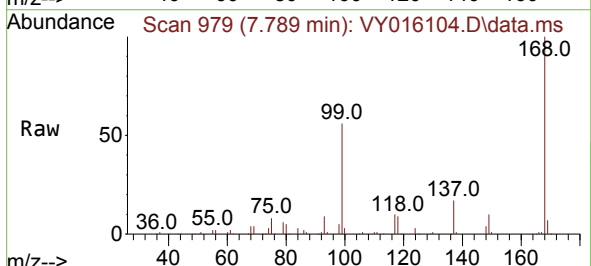
Instrument :
MSVOA_Y
ClientSampleId :

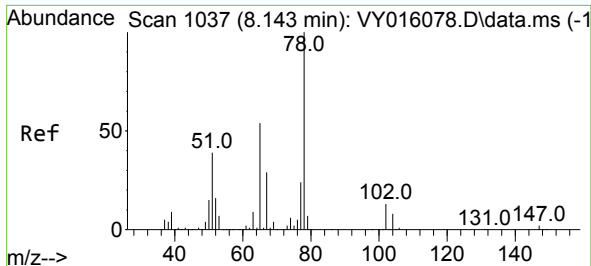
Tgt Ion: 77 Resp: 3013
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Tgt Ion: 56 Resp: 2583
Ion Ratio Lower Upper
56 100
69 176.3 27.8 41.6#
84 152.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.368 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

Instrument :

MSVOA_Y

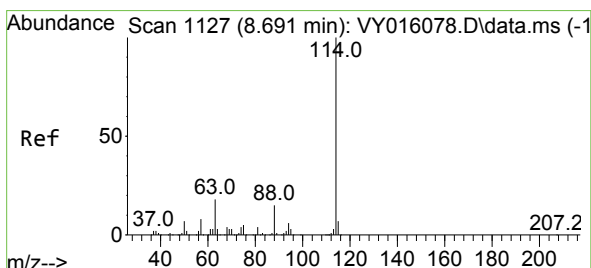
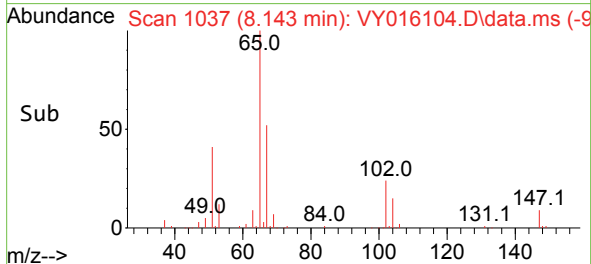
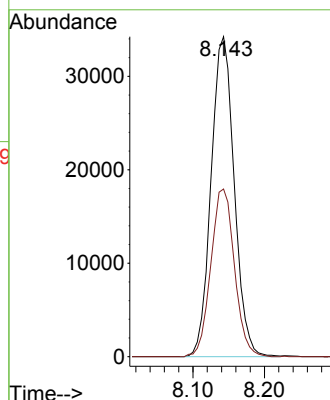
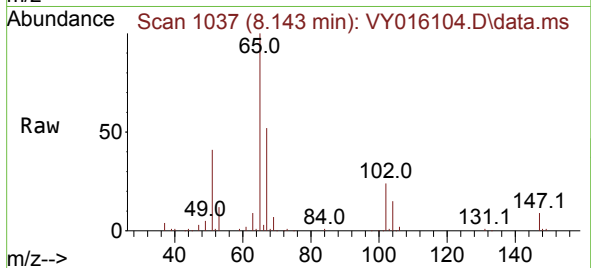
ClientSampleId :

Tgt Ion: 65 Resp: 76824

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

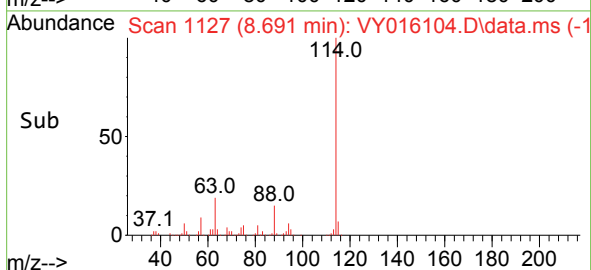
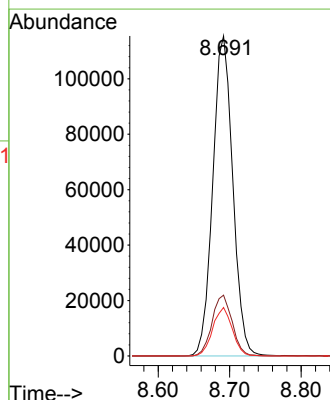
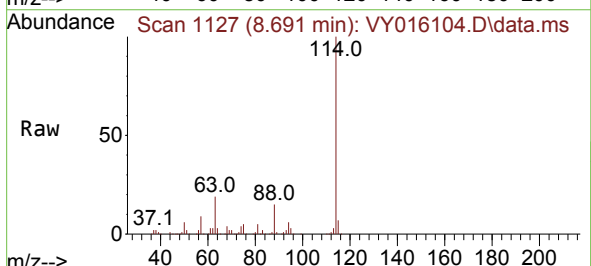
Tgt Ion: 114 Resp: 223962

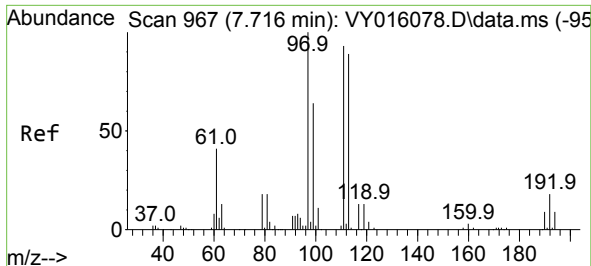
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

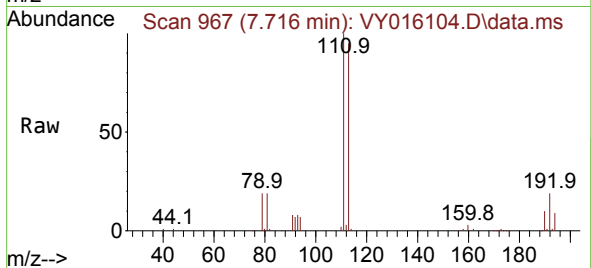
88 15.1 0.0 30.6



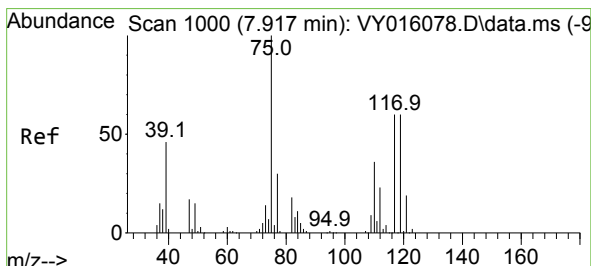
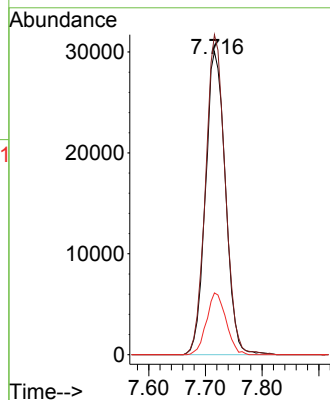
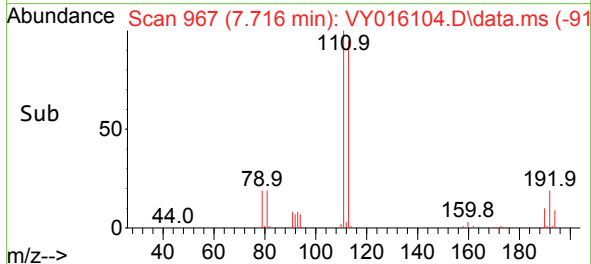


#35
Dibromofluoromethane
Concen: 51.881 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

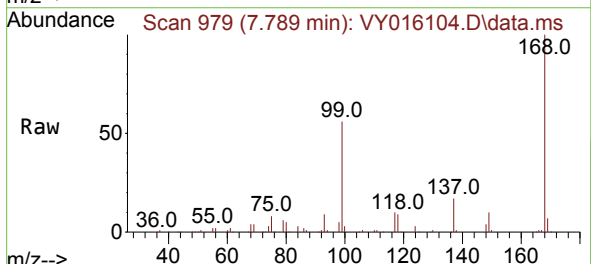
Instrument :
MSVOA_Y
ClientSampleId :



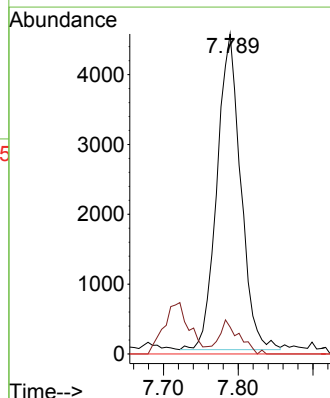
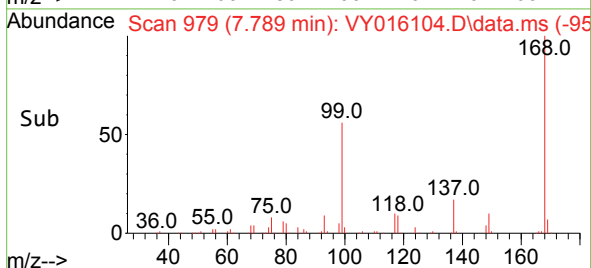
Tgt Ion:113 Resp: 73353
Ion Ratio Lower Upper
113 100
111 104.1 81.3 121.9
192 20.0 16.9 25.3

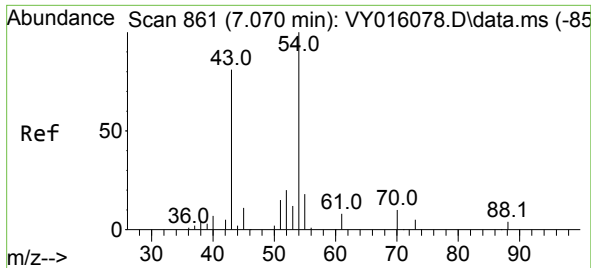


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46



Tgt Ion: 75 Resp: 9993
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#

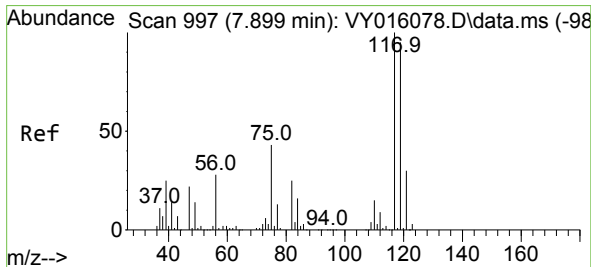
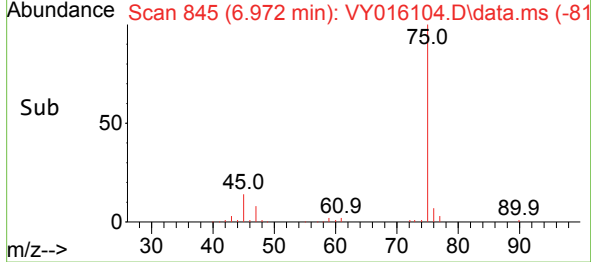
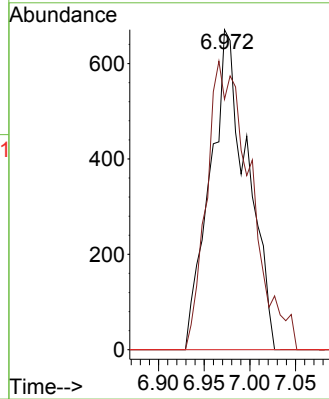
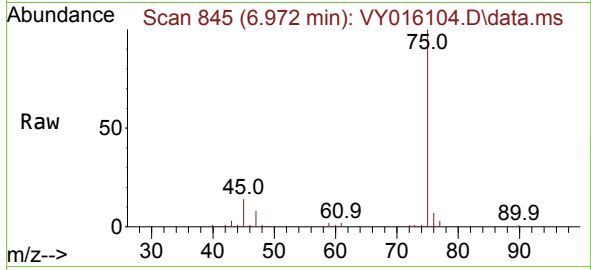




#37
Ethyl Acetate
Concen: 1.879 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

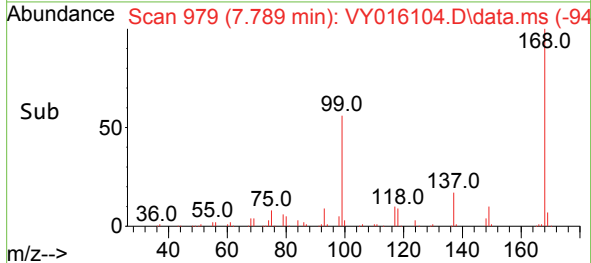
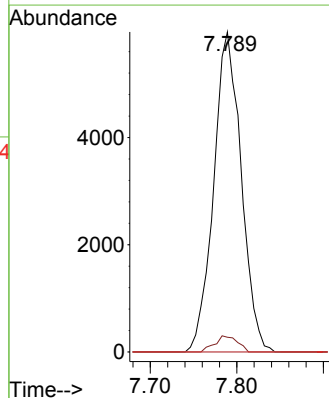
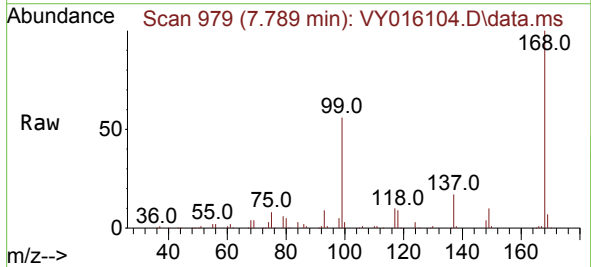
Instrument :
MSVOA_Y
ClientSampleId :

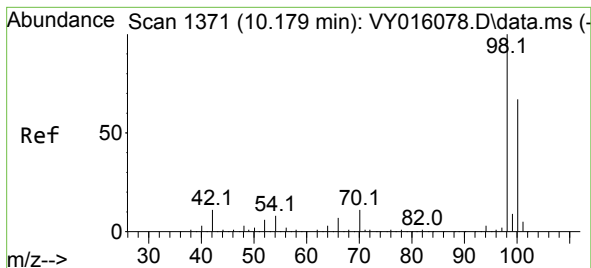
Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
61 106.8 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Tgt Ion: 117 Resp: 13174
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.382 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

Instrument :

MSVOA_Y

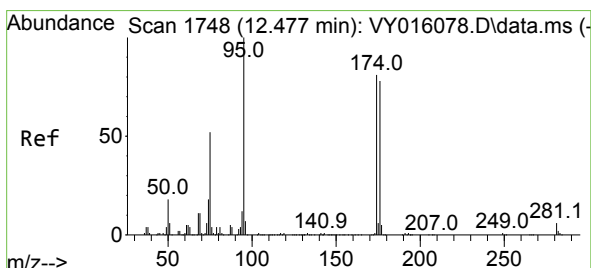
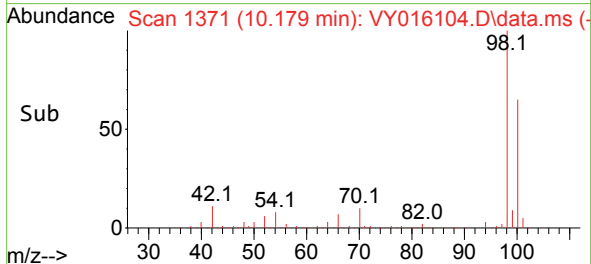
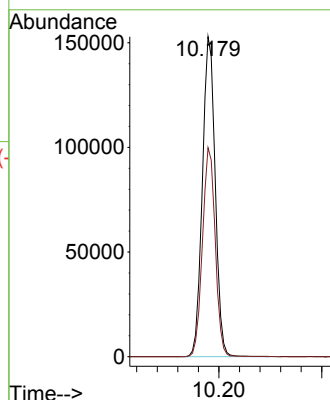
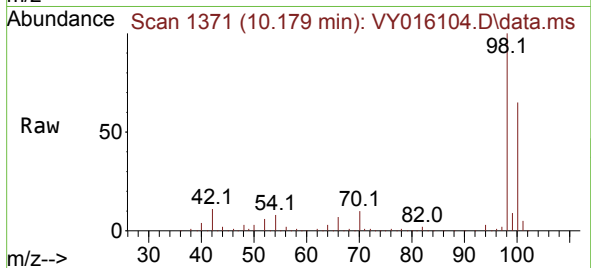
ClientSampleId :

Tgt Ion: 98 Resp: 263860

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.530 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

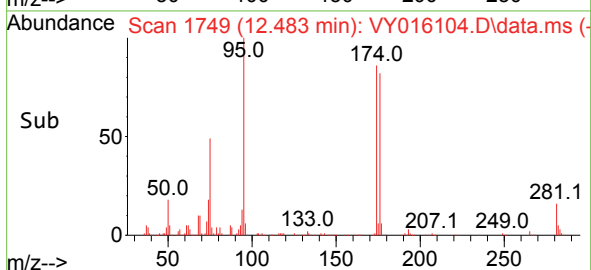
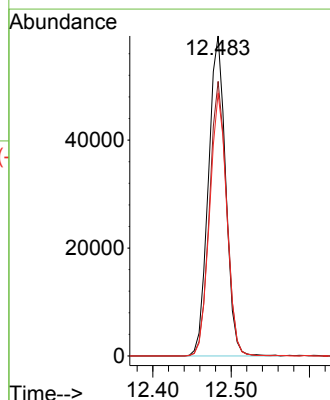
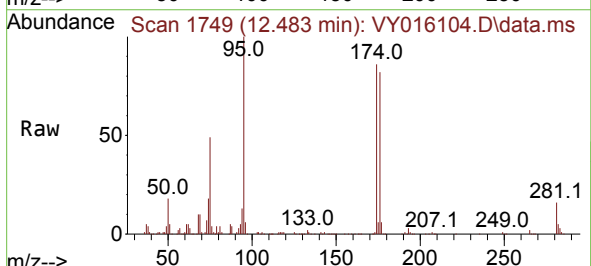
Tgt Ion: 95 Resp: 90776

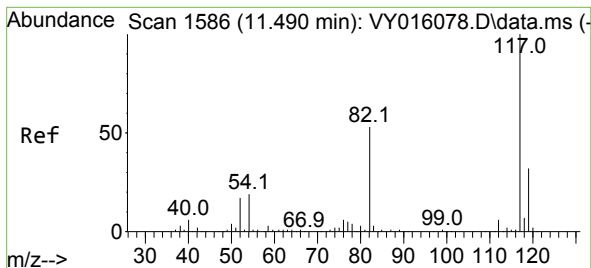
Ion Ratio Lower Upper

95 100

174 85.1 0.0 178.2

176 81.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

Instrument :

MSVOA_Y

ClientSampleId :

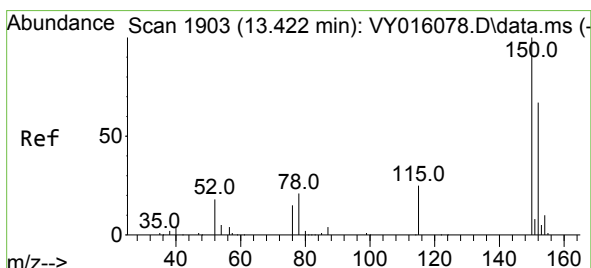
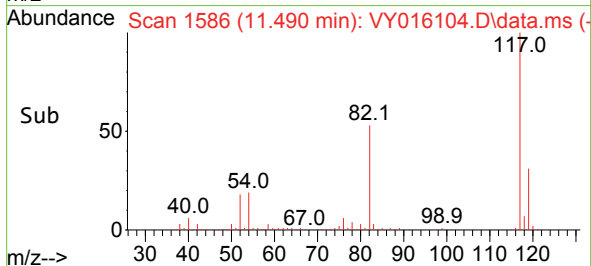
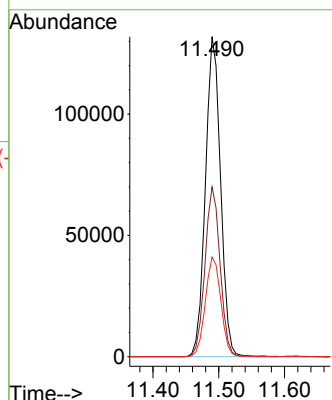
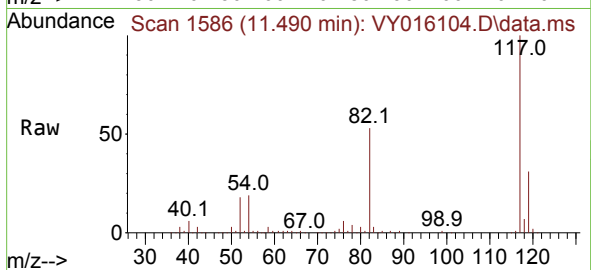
Tgt Ion:117 Resp: 211137

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016104.D

Acq: 27 Oct 2023 14:46

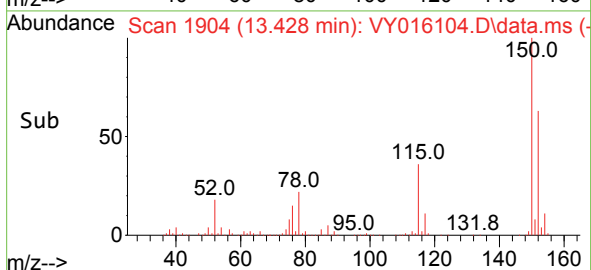
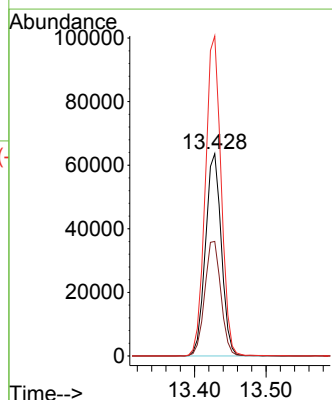
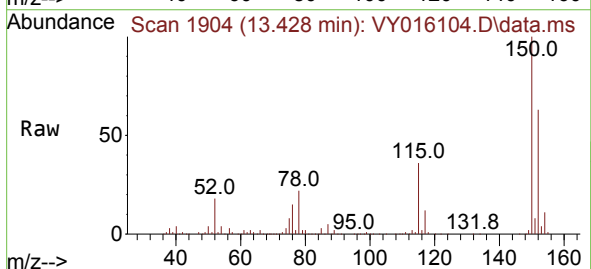
Tgt Ion:152 Resp: 98135

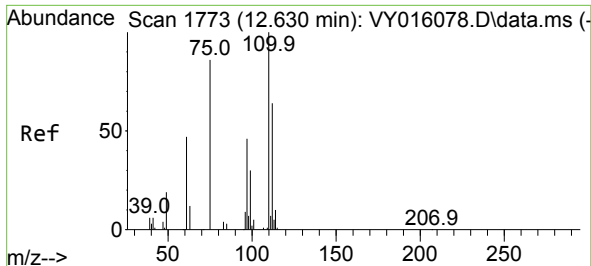
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 157.4 0.0 348.8

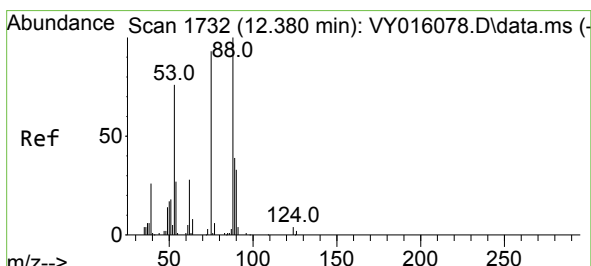
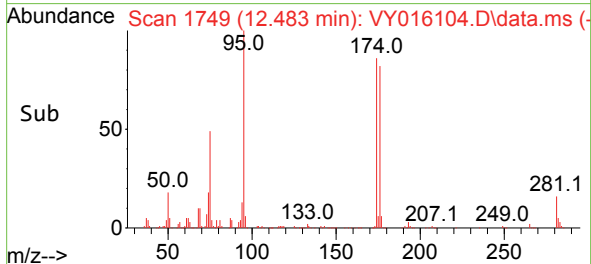
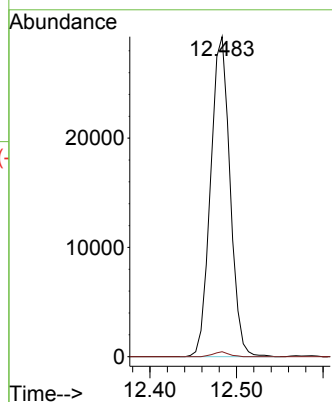
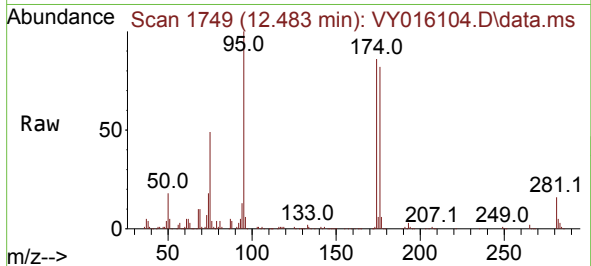




#76
1,2,3-Trichloropropane
Concen: 45.587 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 45674
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.065 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016104.D
Acq: 27 Oct 2023 14:46

Tgt Ion: 75 Resp: 45674
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#

