

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015658.D
 Acq On : 20 Sep 2023 14:55
 Operator : SY/MD
 Sample : 04501-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:41:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

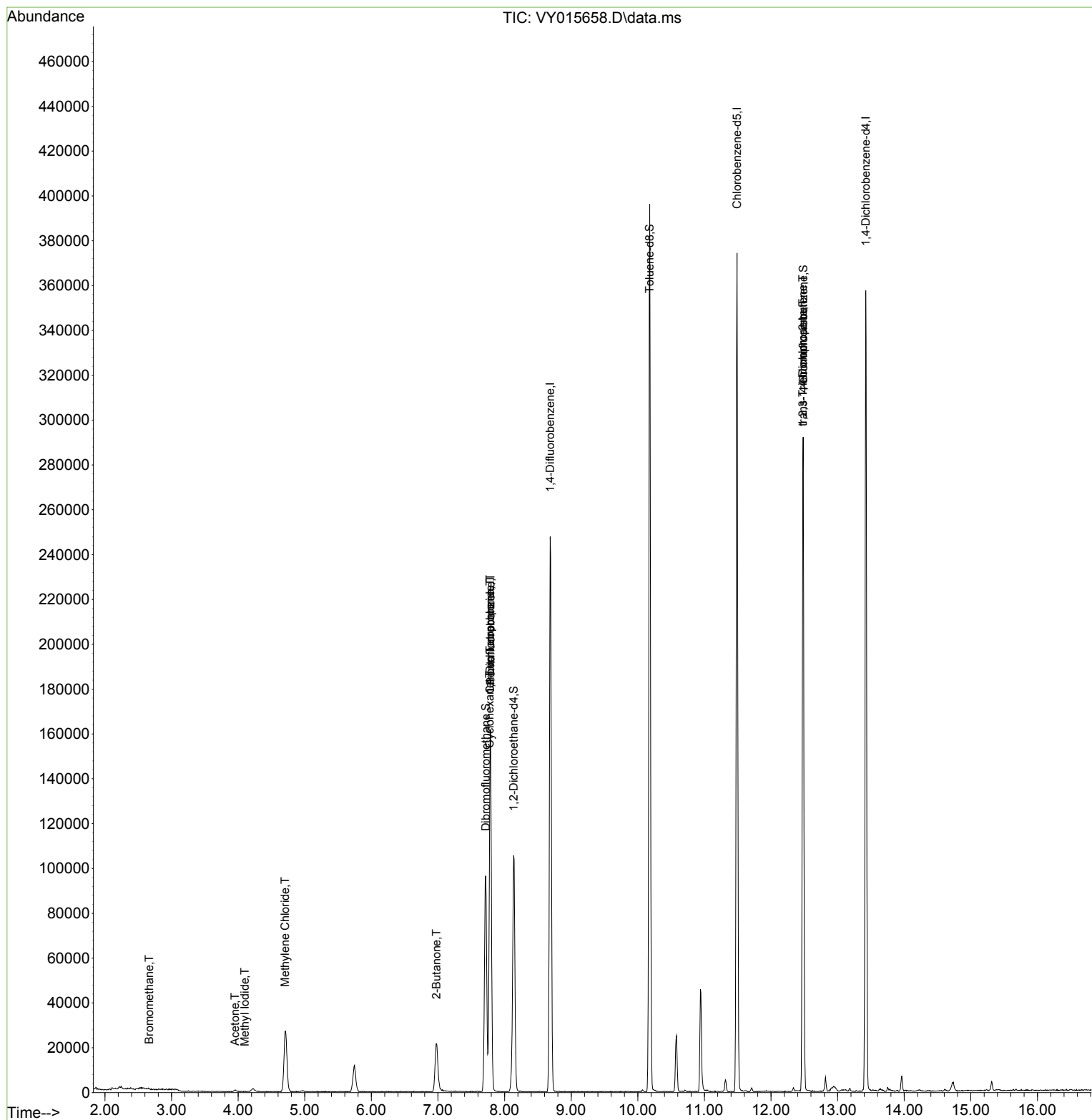
Internal Standards						
1) Pentafluorobenzene	7.789	168	124775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	213230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80415	58.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.140%	
35) Dibromofluoromethane	7.716	113	69780	54.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.360%	
50) Toluene-d8	10.179	98	251869	58.204	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.400%	
62) 4-Bromofluorobenzene	12.483	95	84552	49.790	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	101	2.638	ug/l #	54
10) Methyl Iodide	4.101	142	41	2.755	ug/l #	38
11) Tert butyl alcohol	4.954	59	563	Below Cal	#	89
16) Acetone	3.954	43	1319	1.795	ug/l	90
20) Methylene Chloride	4.704	84	20895	9.019	ug/l	90
25) 2-Butanone	6.978	43	1132	1.090	ug/l #	75
31) Cyclohexane	7.777	56	2646	1.391	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	10017	5.308	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12571	6.137	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	45866	31.617	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45866	71.198	ug/l #	10

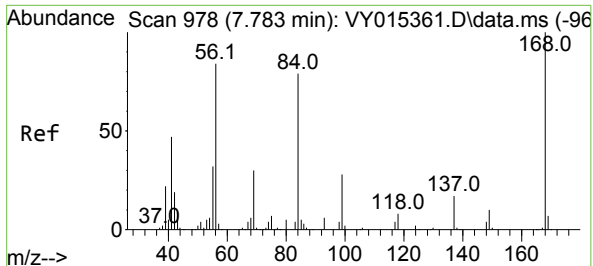
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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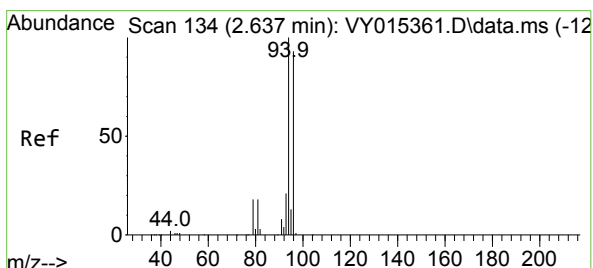
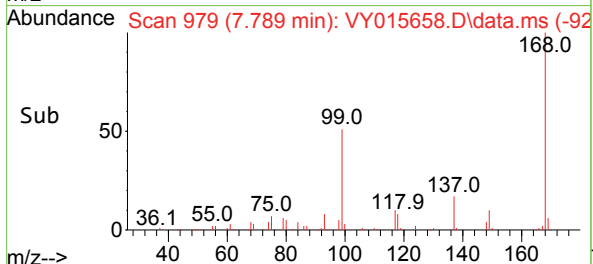
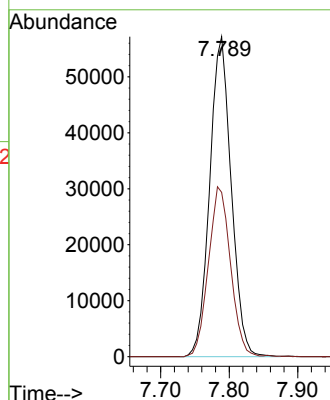
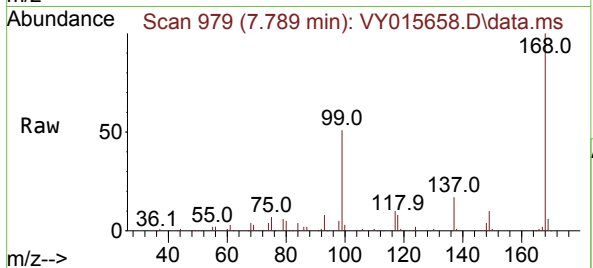




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

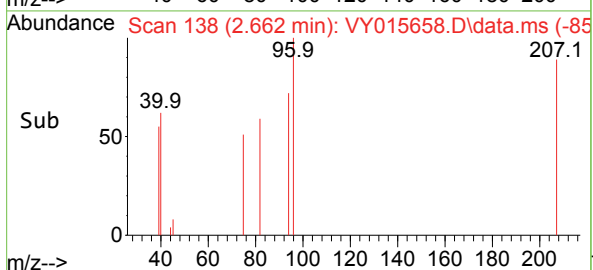
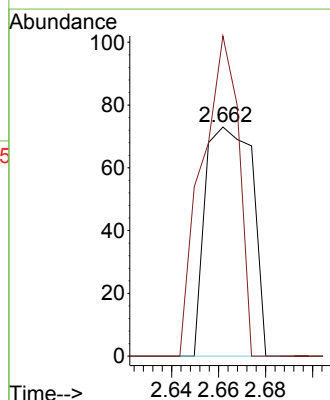
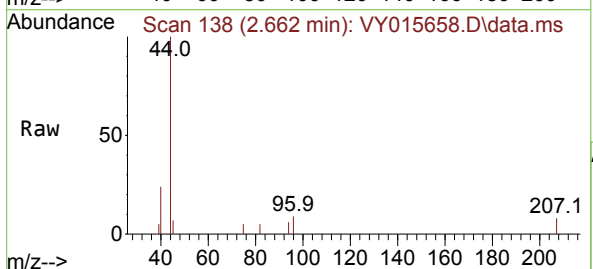
Instrument :
MSVOA_Y
ClientSampleId :

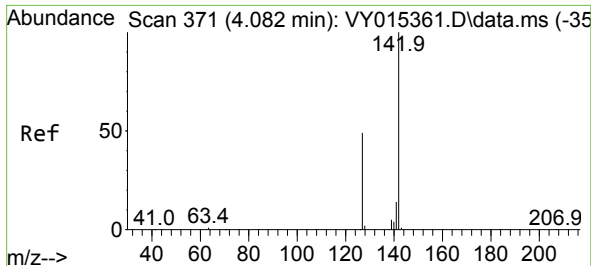
Tgt Ion:168 Resp: 124775
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#5
Bromomethane
Concen: 2.638 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 139.7 75.8 113.6#

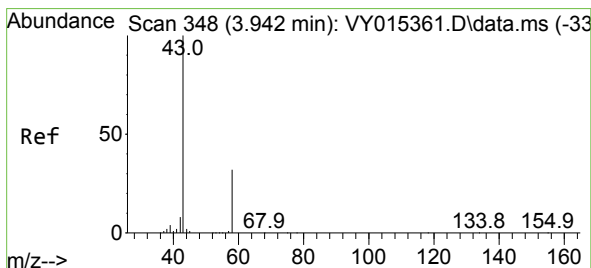
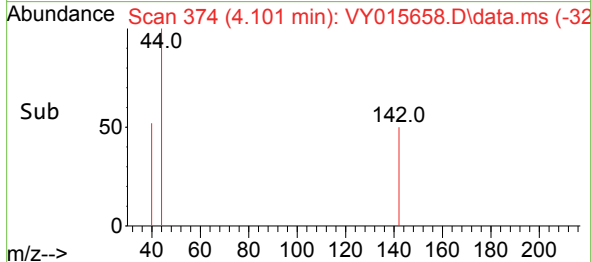
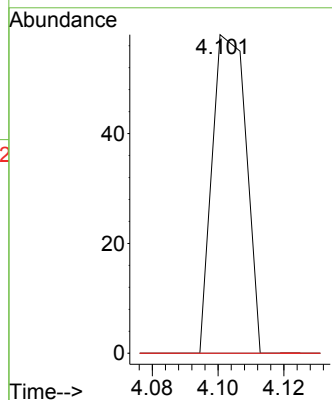
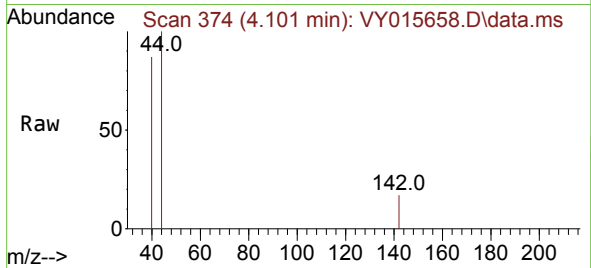




#10
Methyl Iodide
Concen: 2.755 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

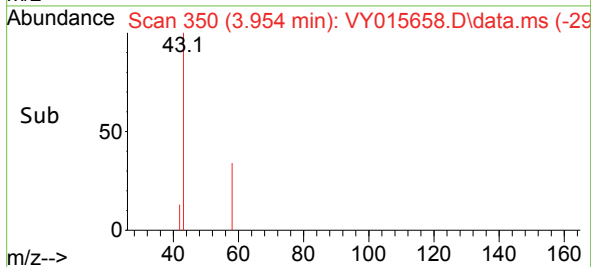
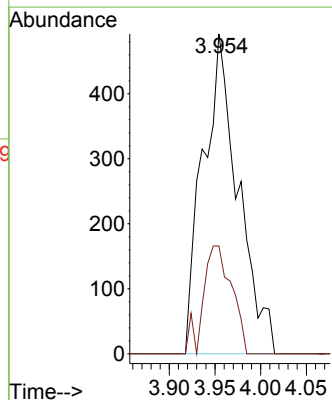
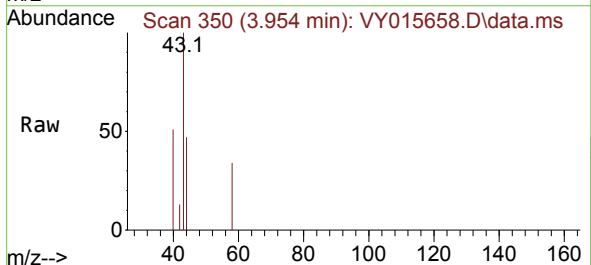
Instrument :
MSVOA_Y
ClientSampleId :

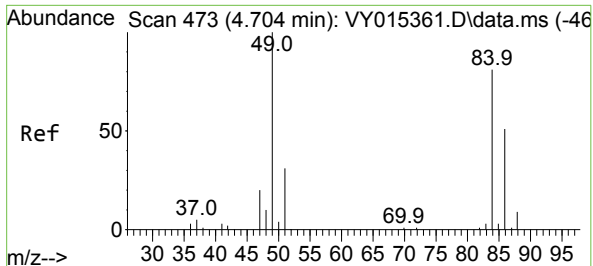
Tgt Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.795 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

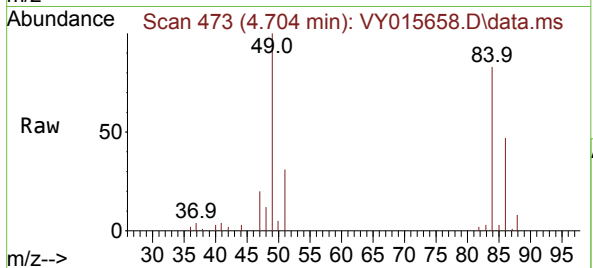
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 33.7 22.7 34.1



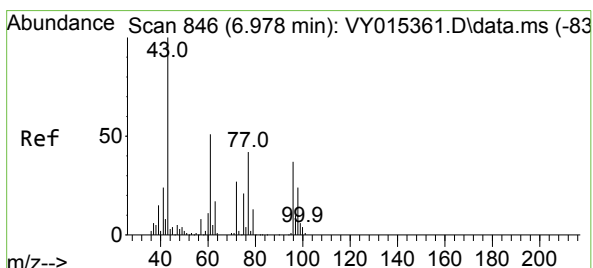
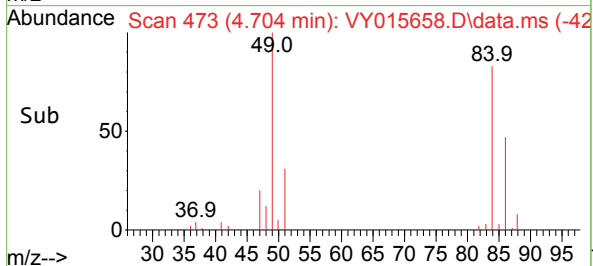
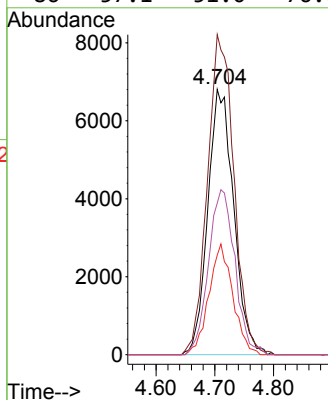


#20
Methylene Chloride
Concen: 9.019 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :

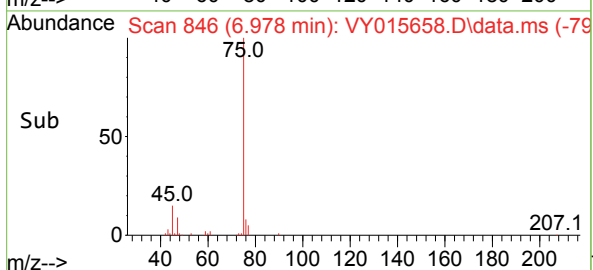
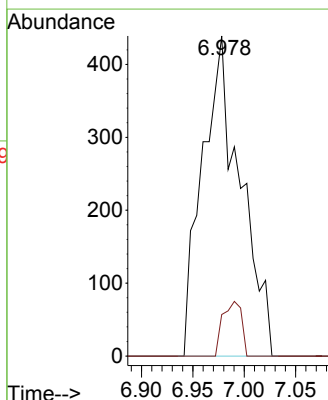
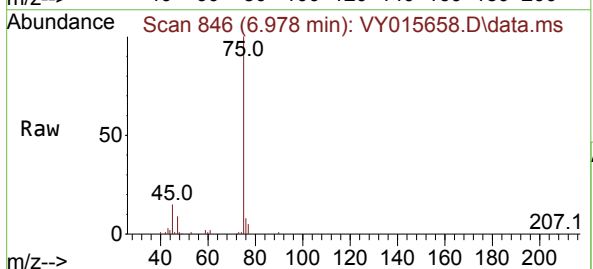


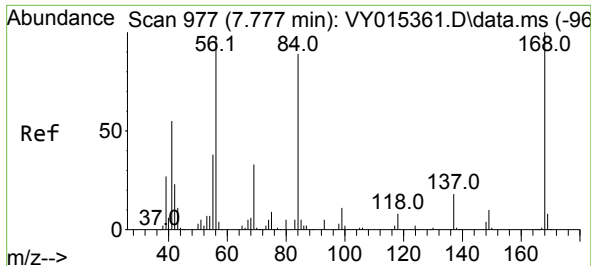
Tgt Ion:	84	Resp:	20895
Ion	Ratio	Lower	Upper
84	100		
49	120.6	106.9	160.3
51	37.5	33.2	49.8
86	57.1	51.0	76.6



#25
2-Butanone
Concen: 1.090 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

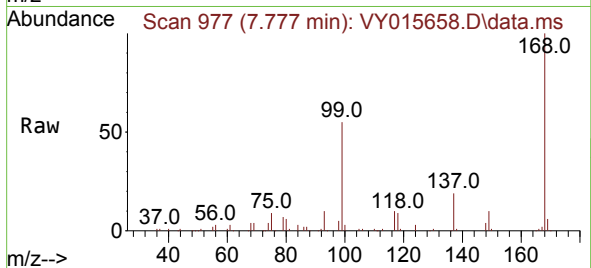
Tgt Ion:	43	Resp:	1132
Ion	Ratio	Lower	Upper
43	100		
72	13.0	20.5	30.7#



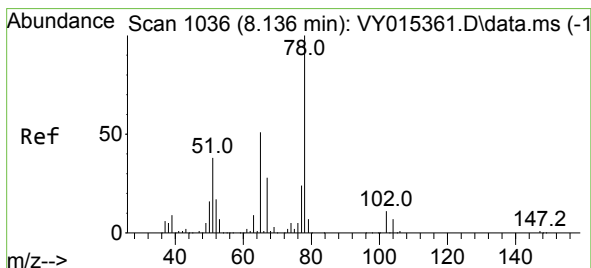
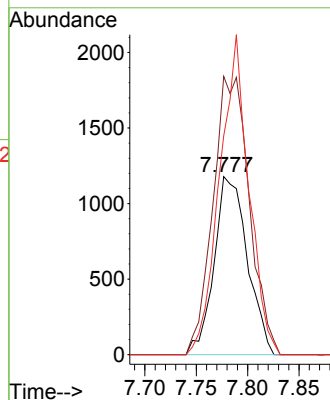
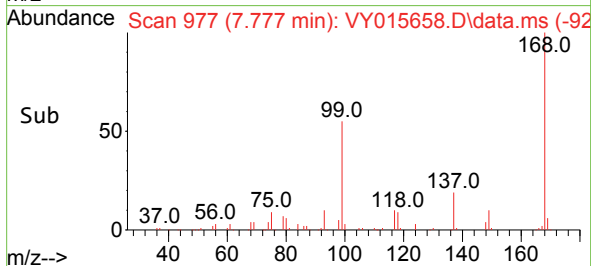


#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :

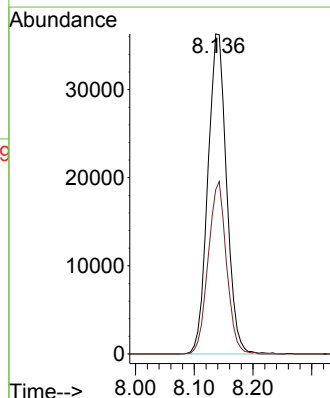
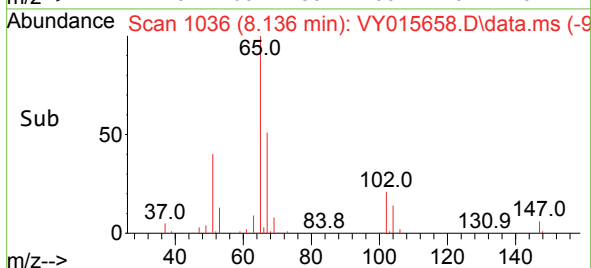
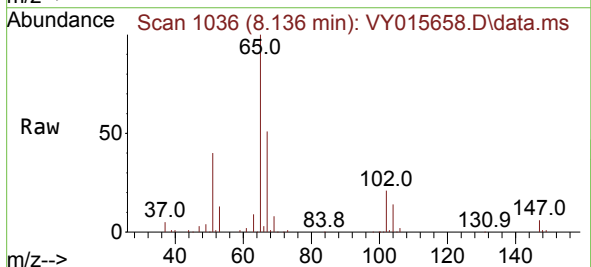


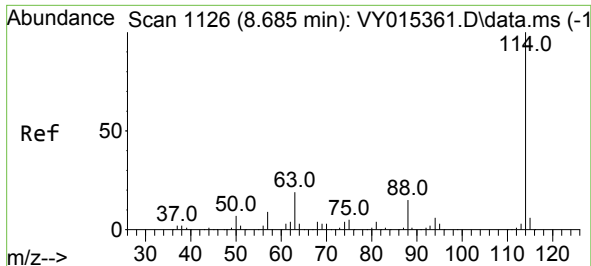
Tgt Ion: 56 Resp: 2646
Ion Ratio Lower Upper
56 100
69 156.4 27.8 41.6#
84 123.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.574 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Tgt Ion: 65 Resp: 80415
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8

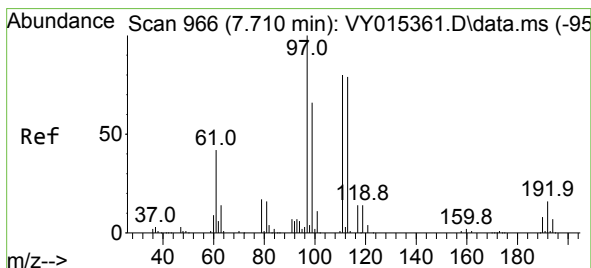
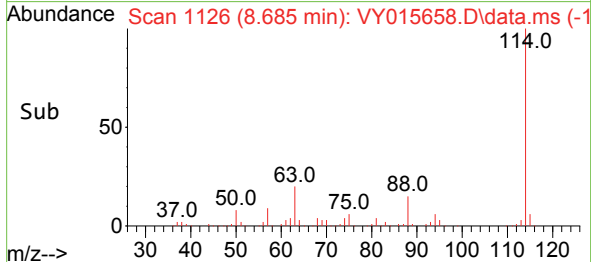
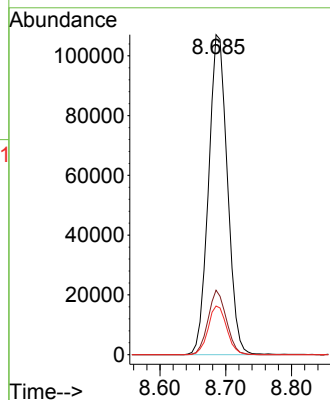
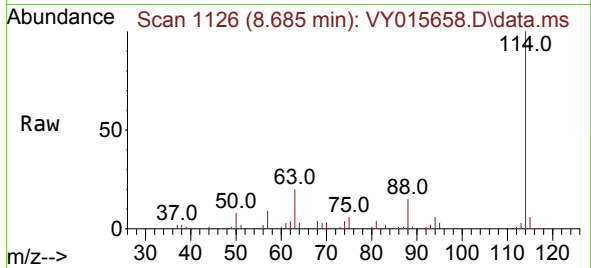




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

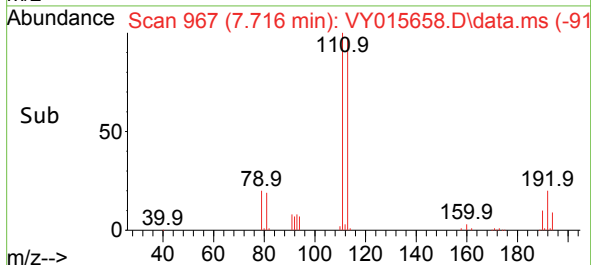
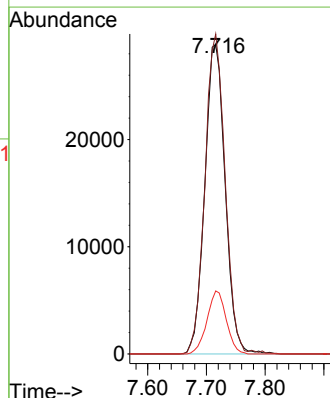
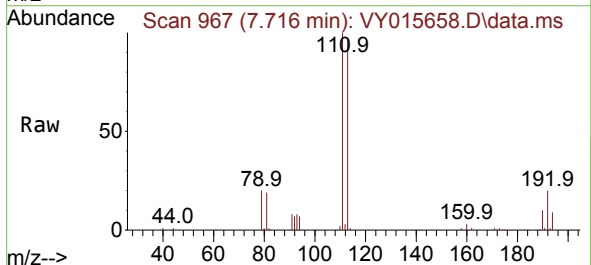
Instrument :
MSVOA_Y
ClientSampleId :

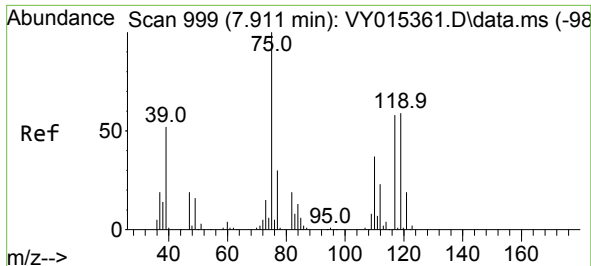
Tgt Ion:114 Resp: 213230
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.676 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

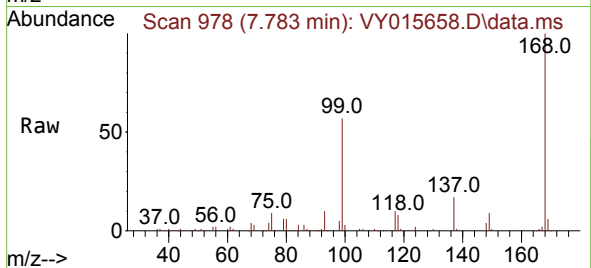
Tgt Ion:113 Resp: 69780
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.2 16.9 25.3



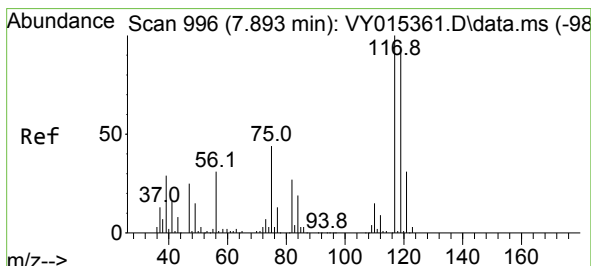
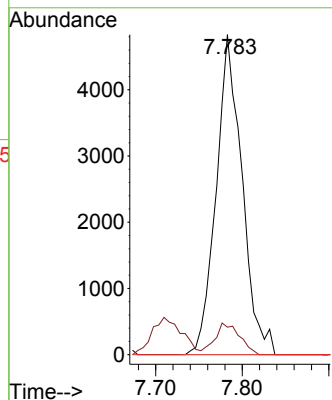
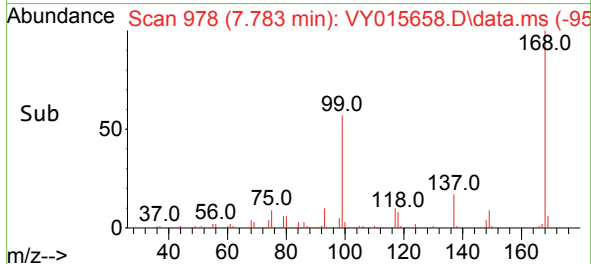


#36
1,1-Dichloropropene
Concen: 5.308 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

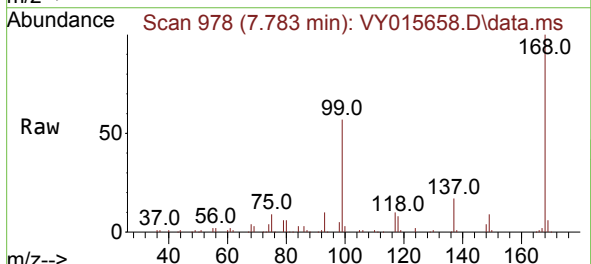
Instrument :
MSVOA_Y
ClientSampleId :



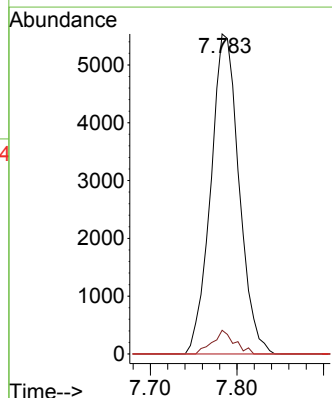
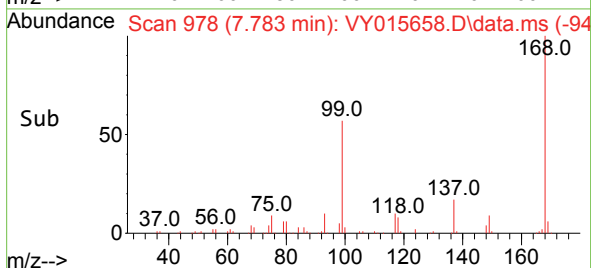
Tgt Ion: 75 Resp: 10017
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

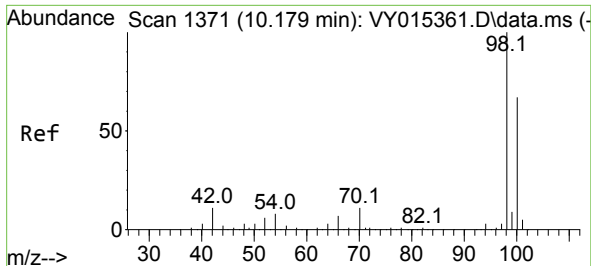


#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55



Tgt Ion: 117 Resp: 12571
Ion Ratio Lower Upper
117 100
119 7.4 76.4 114.6#
121 0.0 25.8 38.6#

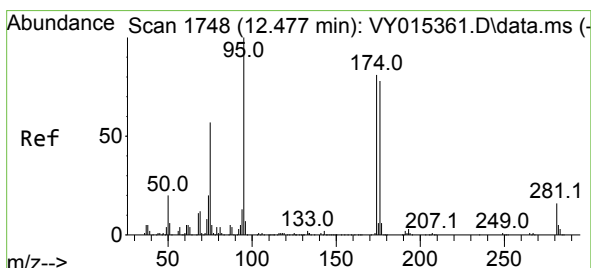
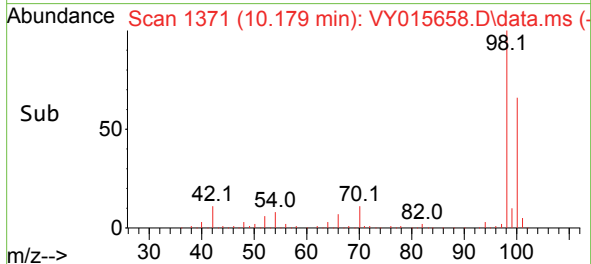
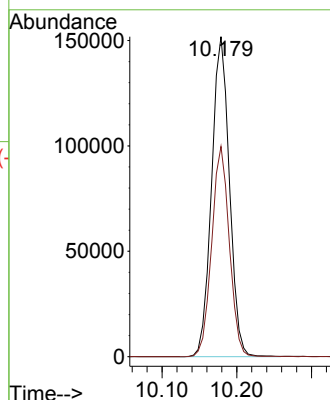
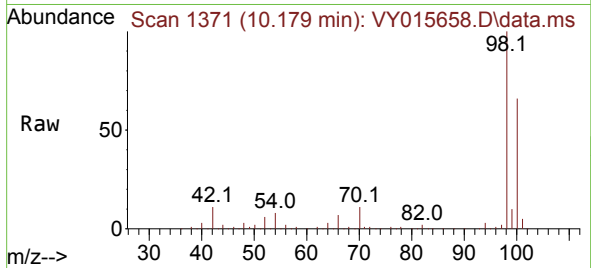




#50
Toluene-d8
Concen: 58.204 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

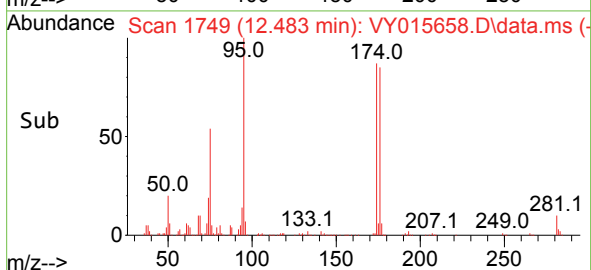
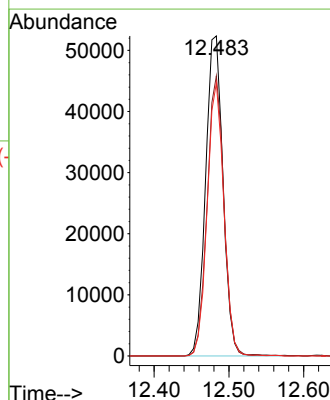
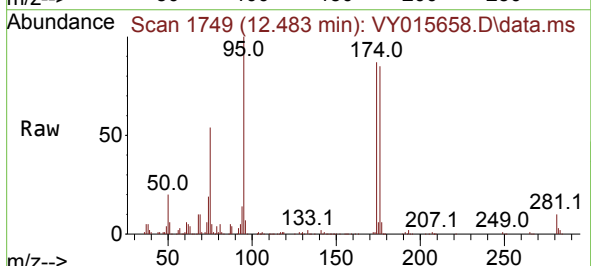
Instrument :
MSVOA_Y
ClientSampleId :

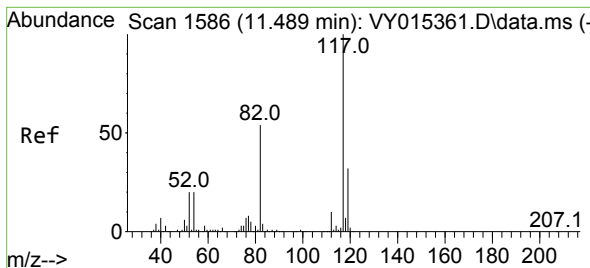
Tgt Ion: 98 Resp: 251869
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.790 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015658.D
Acq: 20 Sep 2023 14:55

Tgt Ion: 95 Resp: 84552
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

Instrument :

MSVOA_Y

ClientSampleId :

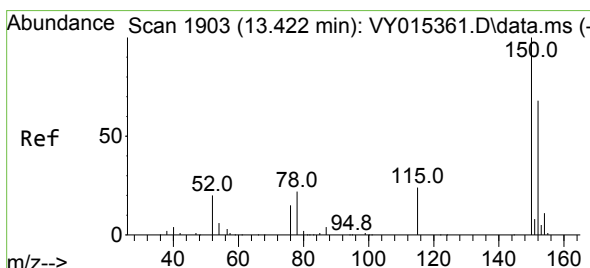
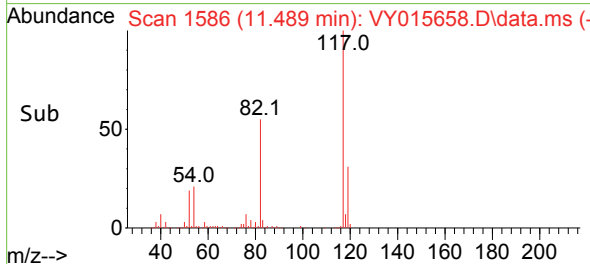
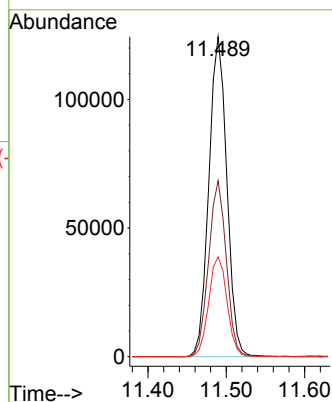
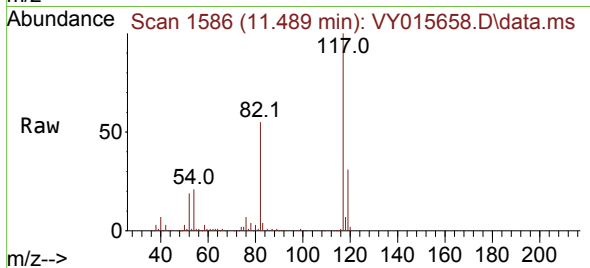
Tgt Ion:117 Resp: 198299

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 31.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

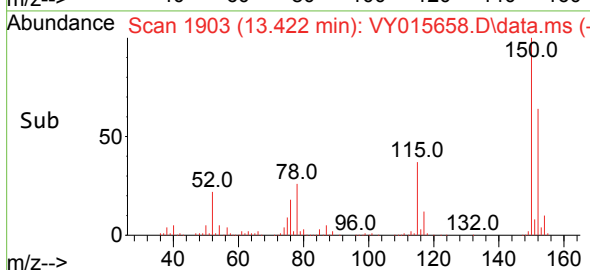
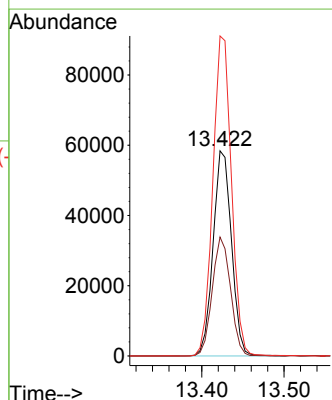
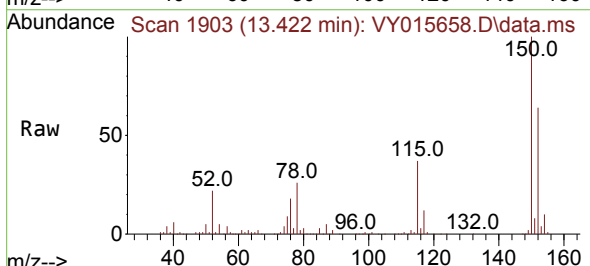
Tgt Ion:152 Resp: 90933

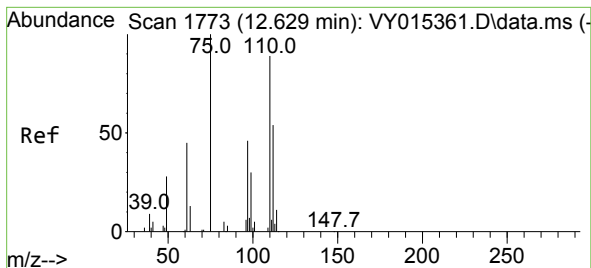
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 157.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.617 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

Instrument :

MSVOA_Y

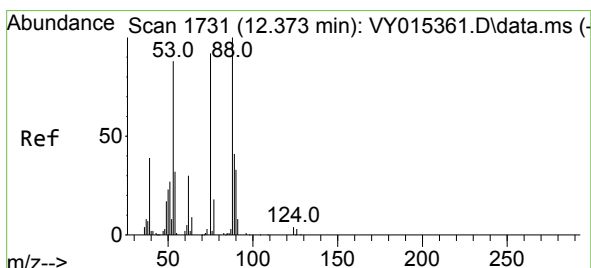
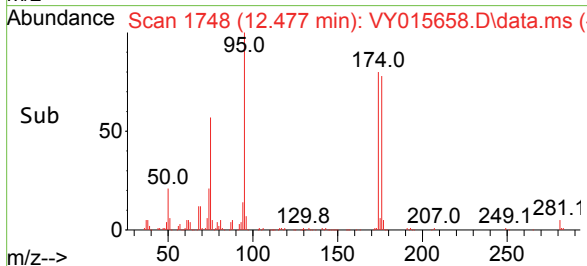
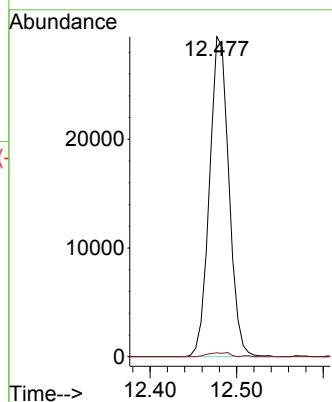
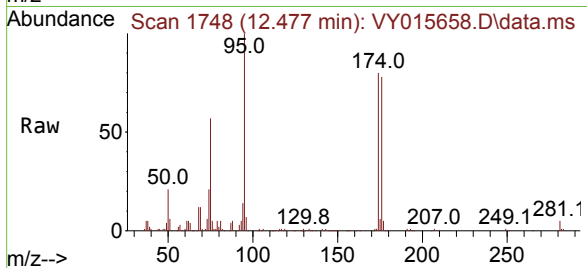
ClientSampleId :

Tgt Ion: 75 Resp: 45866

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.198 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY015658.D

Acq: 20 Sep 2023 14:55

Tgt Ion: 75 Resp: 45866

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

