

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015151.D
 Acq On : 16 Aug 2023 15:41
 Operator : SY/MD
 Sample : 04006-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:30:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

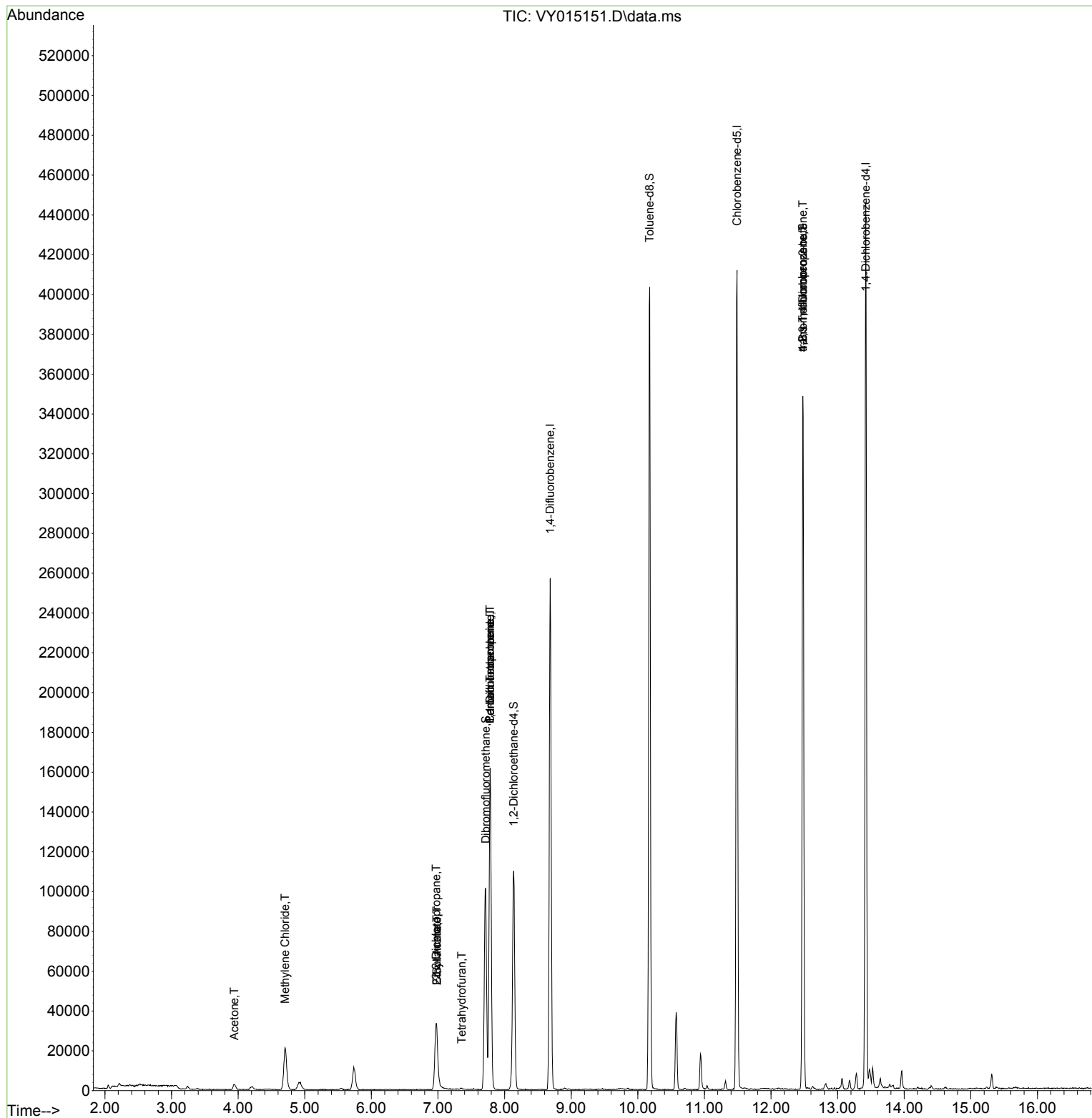
Internal Standards						
1) Pentafluorobenzene	7.783	168	124542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	220275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	222191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86515	57.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.740%	
35) Dibromofluoromethane	7.716	113	71132	50.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.400%	
50) Toluene-d8	10.179	98	264654	50.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.477	95	99677	51.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.460%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	338	Below Cal	#	43
5) Bromomethane	2.662	94	185	Below Cal	#	45
11) Tert butyl alcohol	4.918	59	2677	Below Cal	#	92
13) Acrolein	3.729	56	25	Below Cal	#	14
16) Acetone	3.942	43	4669	9.560	ug/l	97
20) Methylene Chloride	4.704	84	15923	10.155	ug/l	92
25) 2-Butanone	6.984	43	3537	5.115	ug/l	92
26) 2,2-Dichloropropane	6.972	77	2374	1.186	ug/l #	54
29) Tetrahydrofuran	7.356	42	575	1.391	ug/l #	65
31) Cyclohexane	7.783	56	2669	Below Cal	#	34
36) 1,1-Dichloropropene	7.783	75	10259	6.544	ug/l #	50
37) Ethyl Acetate	6.984	43	3537	2.420	ug/l #	46
38) Carbon Tetrachloride	7.783	117	12398	6.682	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	54264	39.785	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54264	87.387	ug/l #	11

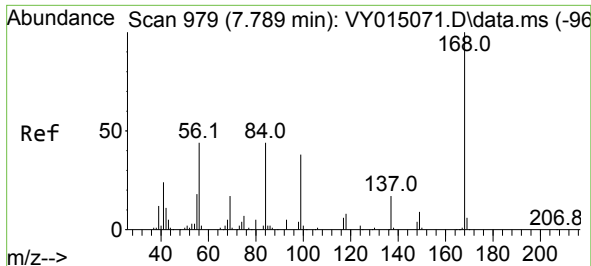
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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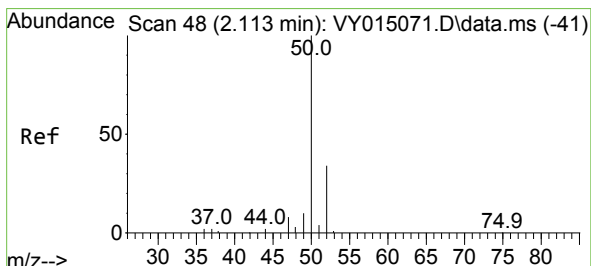
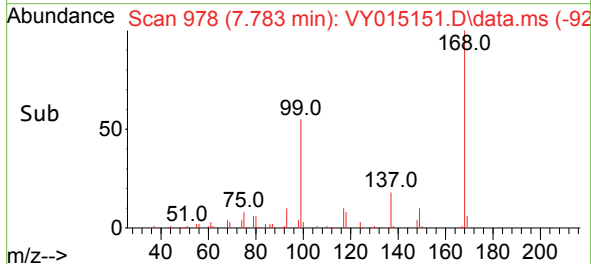
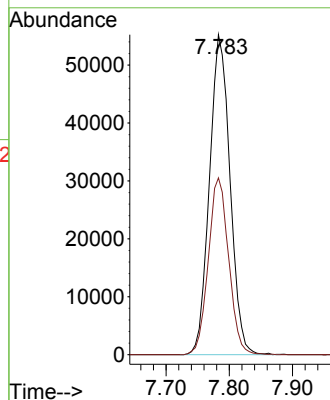
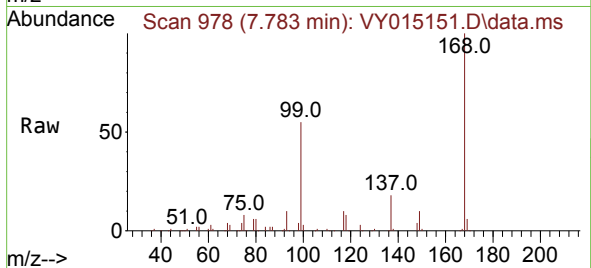




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

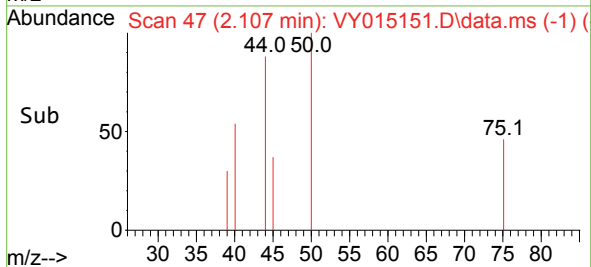
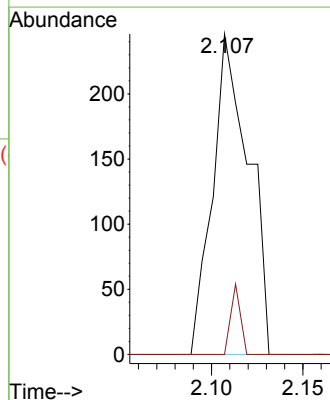
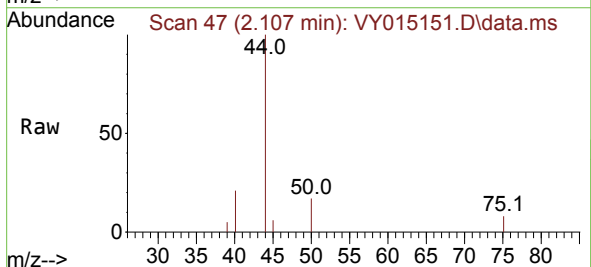
Instrument :
MSVOA_Y
ClientSampleId :

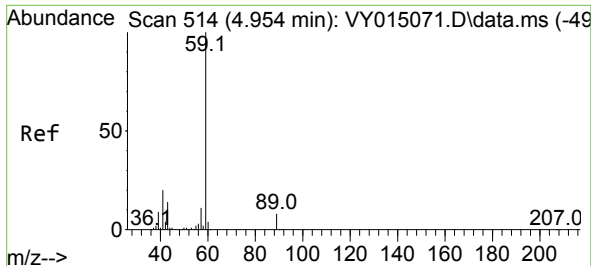
Tgt Ion:168 Resp: 124542
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

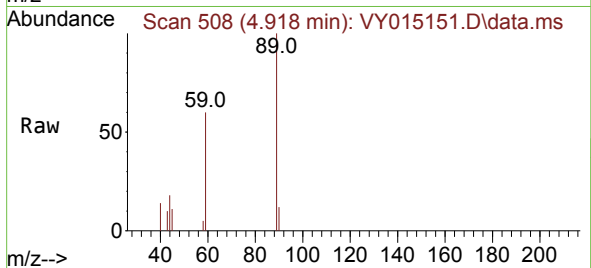
Tgt Ion: 50 Resp: 338
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



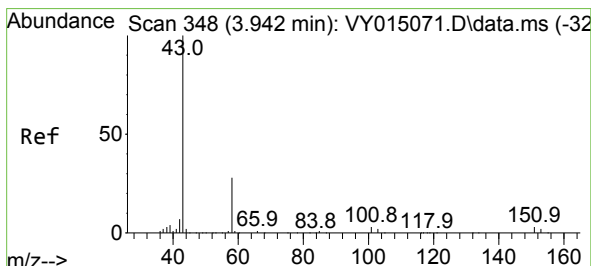
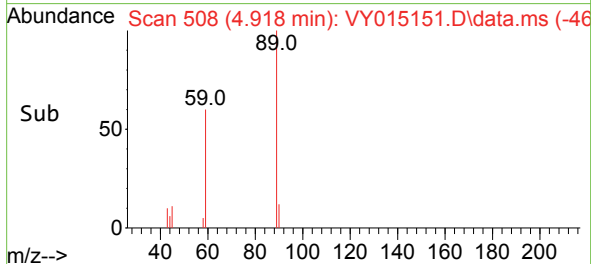
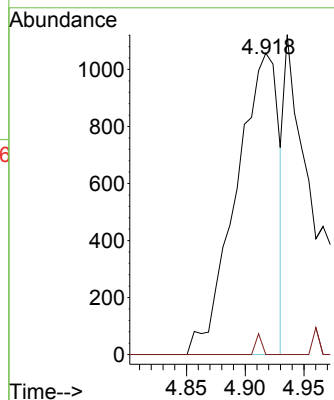


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Instrument :
MSVOA_Y
ClientSampleId :

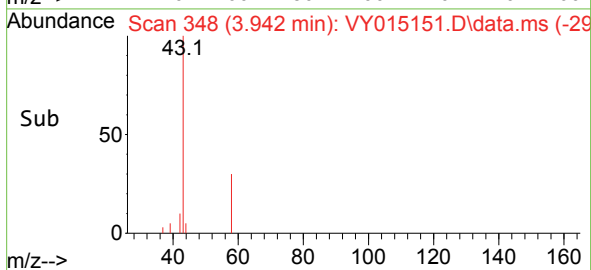
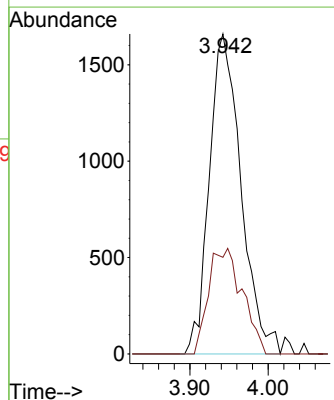
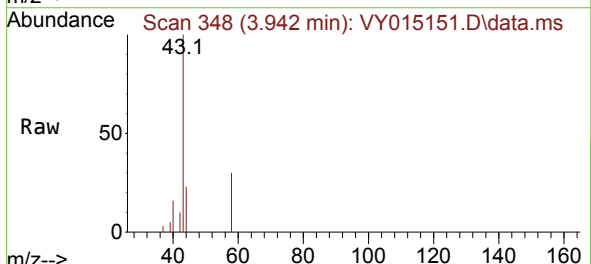


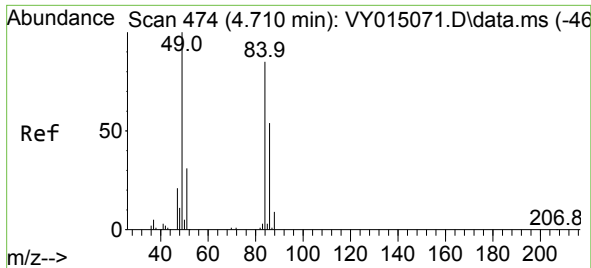
Tgt Ion: 59 Resp: 2677
Ion Ratio Lower Upper
59 100
57 1.0 3.0 4.4#



#16
Acetone
Concen: 9.560 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

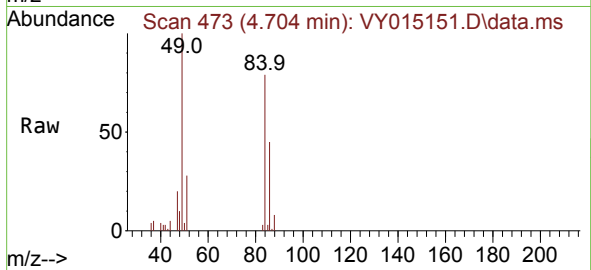
Tgt Ion: 43 Resp: 4669
Ion Ratio Lower Upper
43 100
58 30.2 22.7 34.1



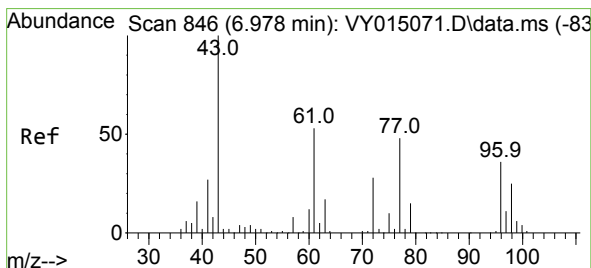
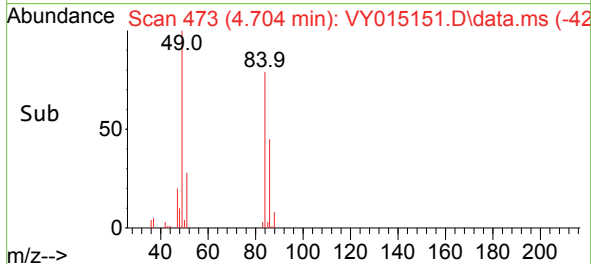
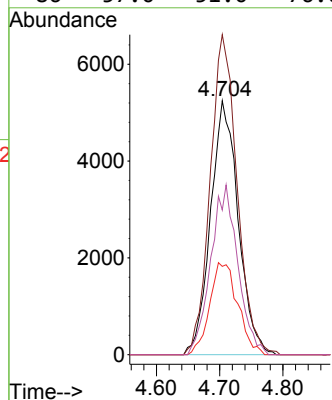


#20
Methylene Chloride
Concen: 10.155 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Instrument :
MSVOA_Y
ClientSampleId :

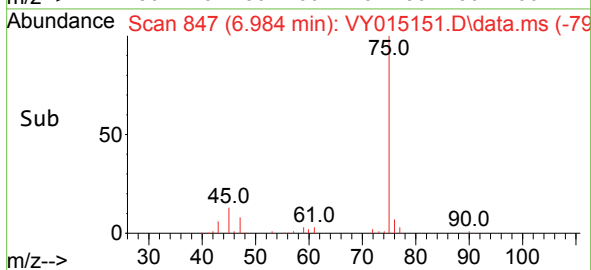
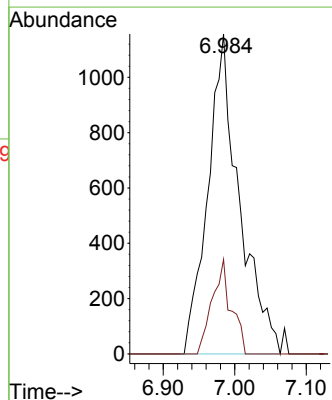
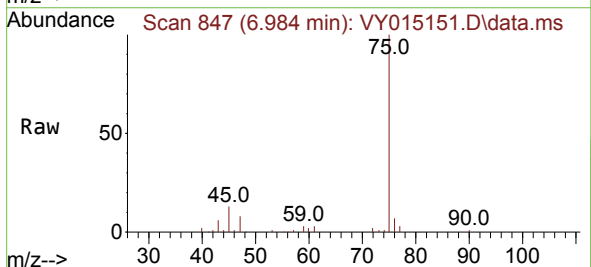


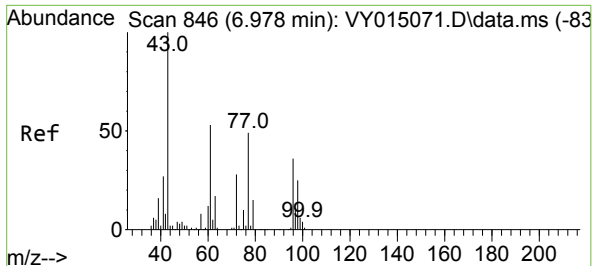
Tgt Ion:	84	Resp:	15923
Ion	Ratio	Lower	Upper
84	100		
49	126.1	106.9	160.3
51	34.8	33.2	49.8
86	57.0	51.0	76.6



#25
2-Butanone
Concen: 5.115 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Tgt Ion:	43	Resp:	3537
Ion	Ratio	Lower	Upper
43	100		
72	29.6	20.5	30.7





#26

2,2-Dichloropropane

Concen: 1.186 ug/l

RT: 6.972 min Scan# 846

Delta R.T. 0.000 min

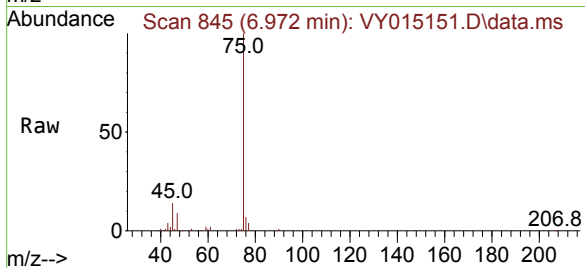
Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

Instrument :

MSVOA_Y

ClientSampleId :

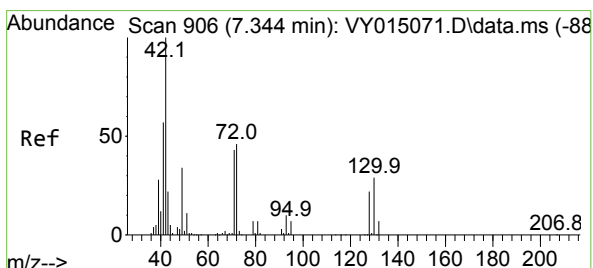
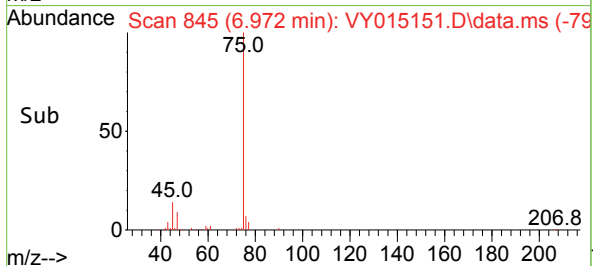
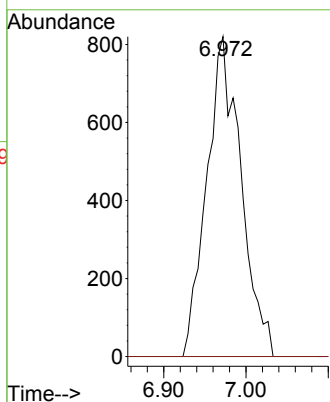


Tgt Ion: 77 Resp: 2374

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.391 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

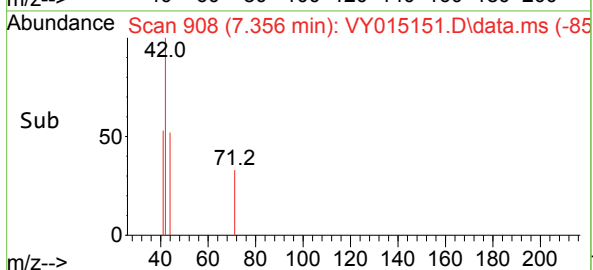
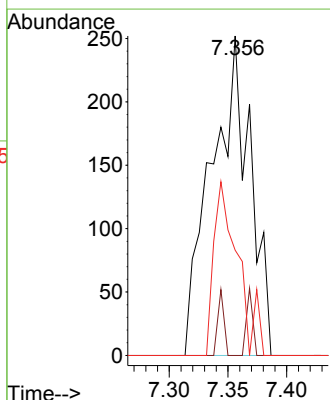
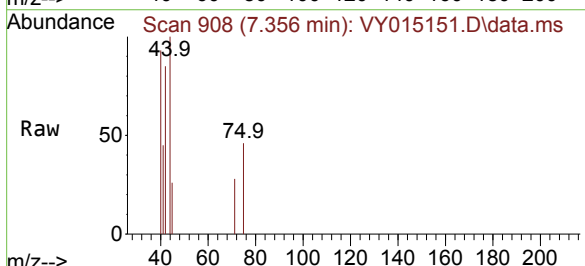
Tgt Ion: 42 Resp: 575

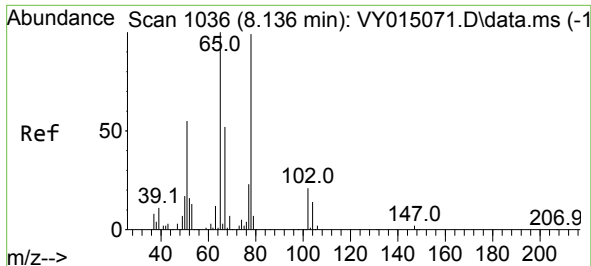
Ion Ratio Lower Upper

42 100

72 3.3 32.8 49.2#

71 34.1 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 57.869 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

Instrument :

MSVOA_Y

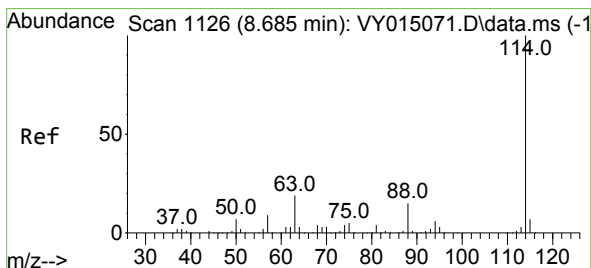
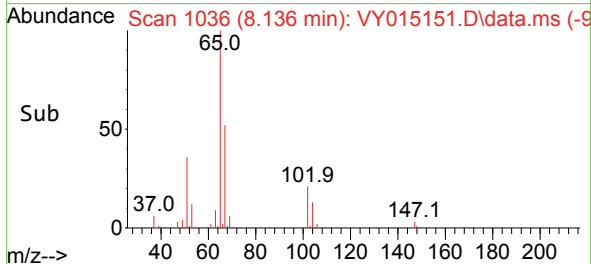
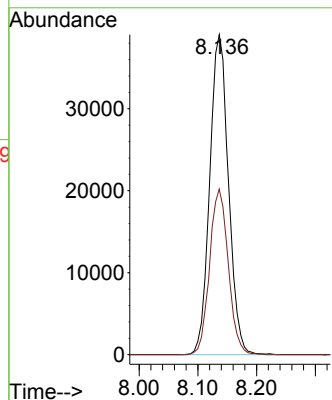
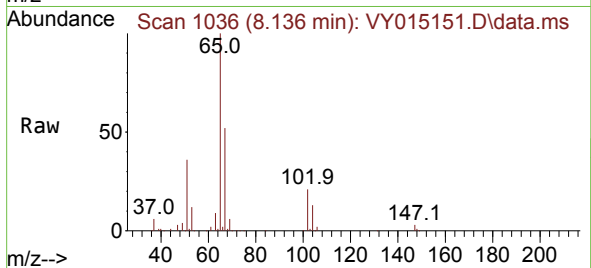
ClientSampleId :

Tgt Ion: 65 Resp: 86515

Ion Ratio Lower Upper

65 100

67 51.6 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: VY015151.D

Acq: 16 Aug 2023 15:41

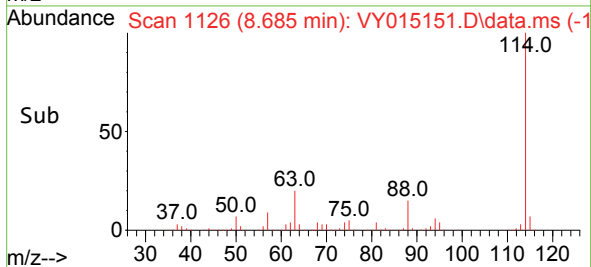
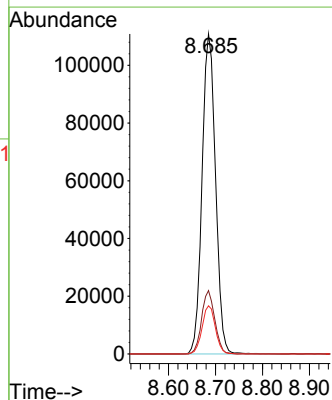
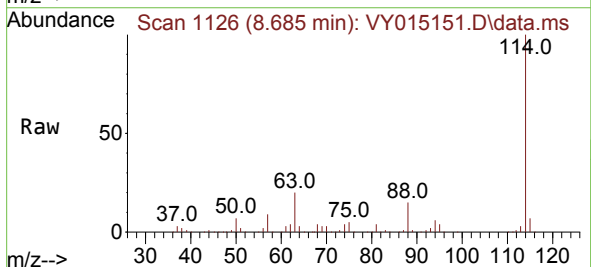
Tgt Ion: 114 Resp: 220275

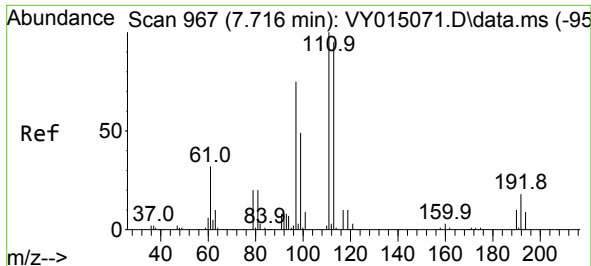
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.1 0.0 30.6

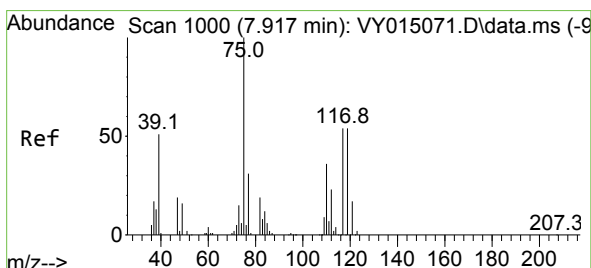
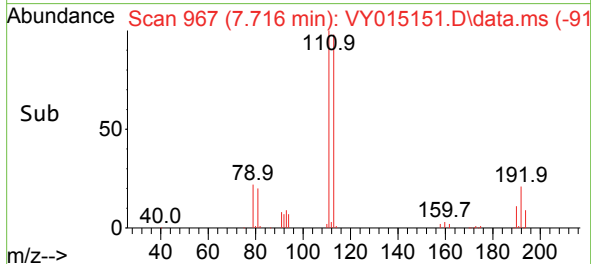
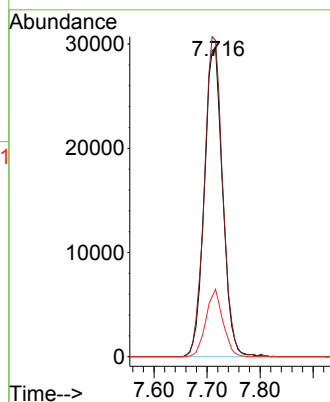
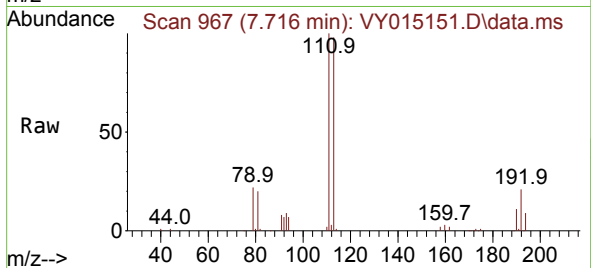




#35
Dibromofluoromethane
Concen: 50.195 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

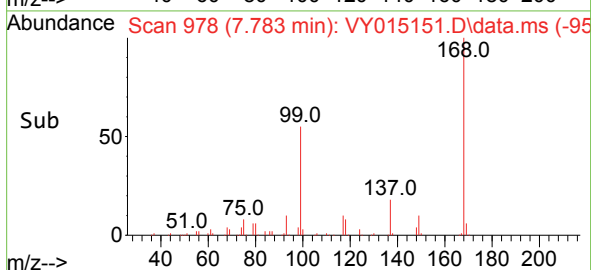
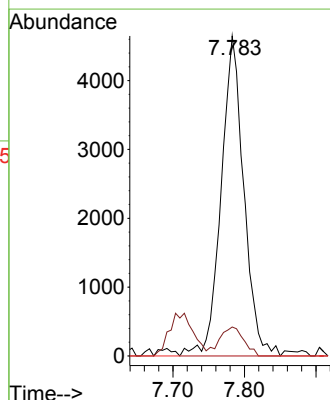
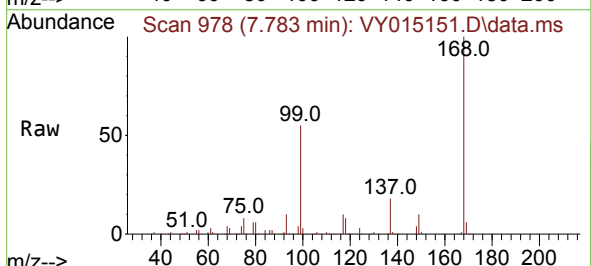
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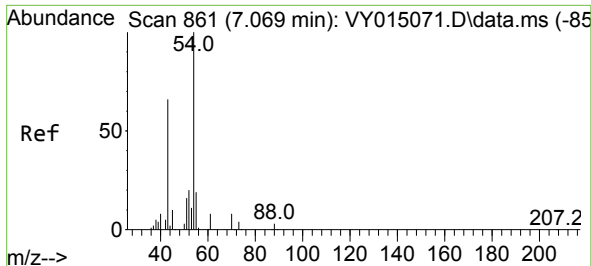
Tgt Ion:113 Resp: 71132
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.544 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Tgt Ion: 75 Resp: 10259
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.420 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

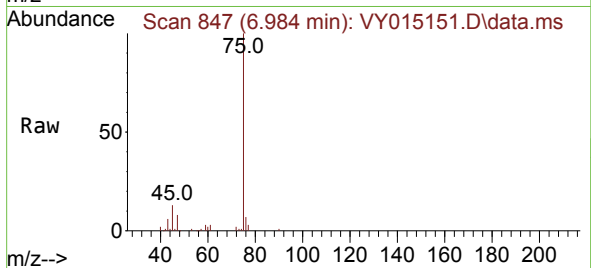
Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

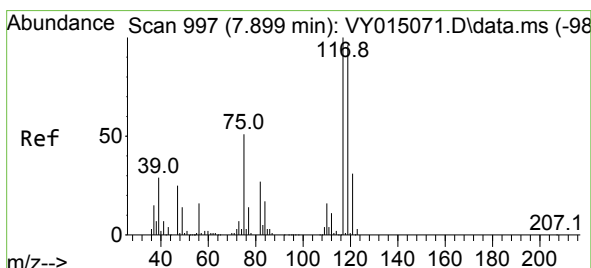
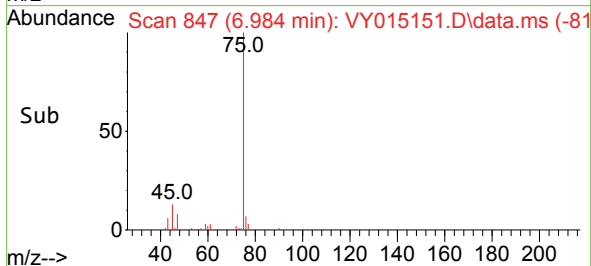
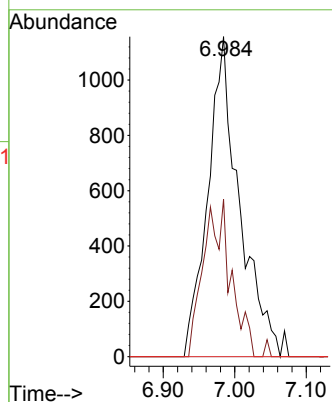
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3537
Ion	Ratio	Lower	Upper
43	100		
61	42.4	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.682 ug/l

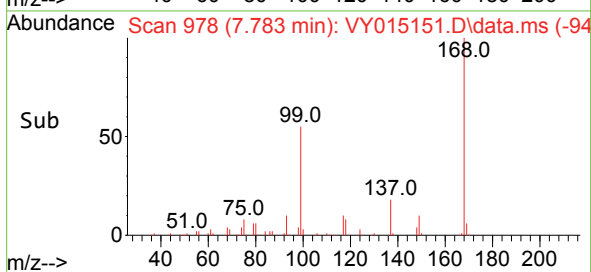
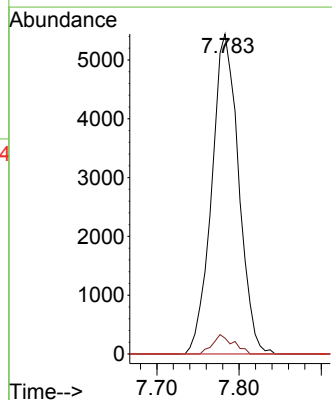
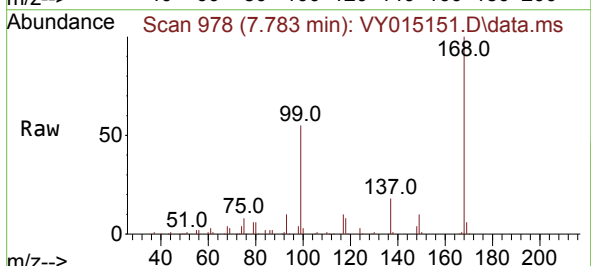
RT: 7.783 min Scan# 978

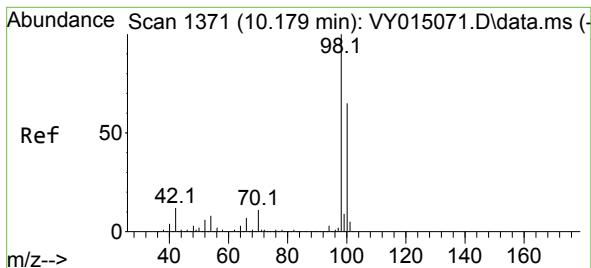
Delta R.T. -0.116 min

Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

Tgt Ion:	117	Resp:	12398
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.169 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

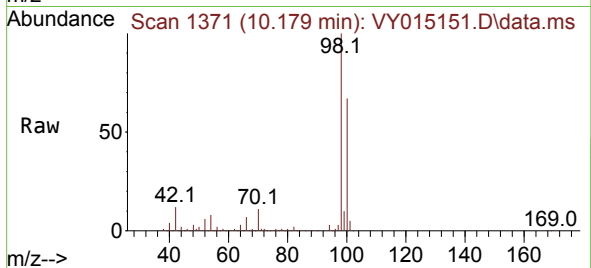
Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

Instrument :

MSVOA_Y

ClientSampleId :

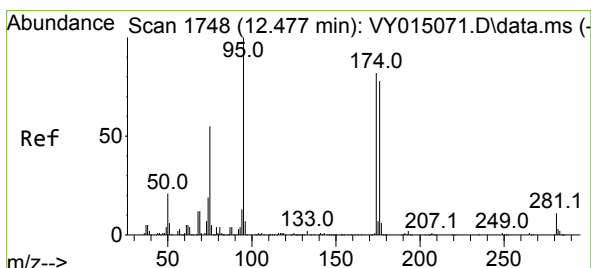
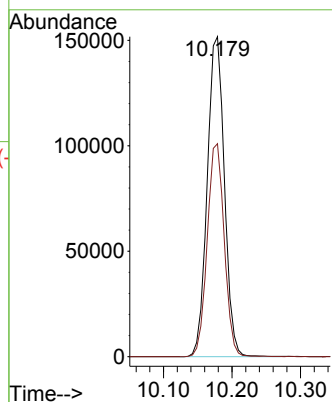
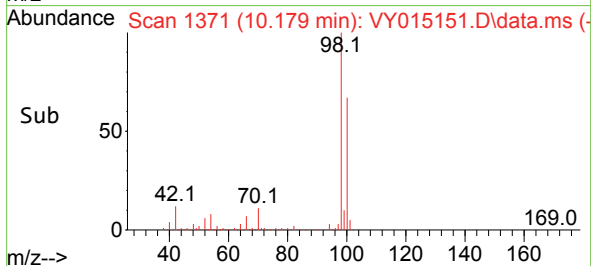


Tgt Ion: 98 Resp: 264654

Ion Ratio Lower Upper

98 100

100 66.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.732 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015151.D

Acq: 16 Aug 2023 15:41

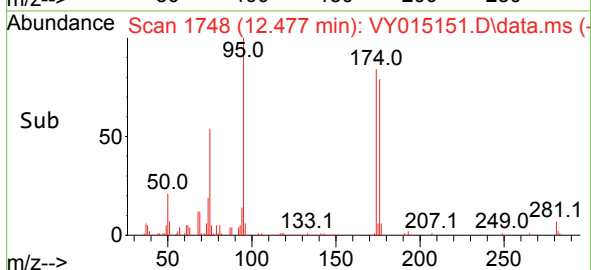
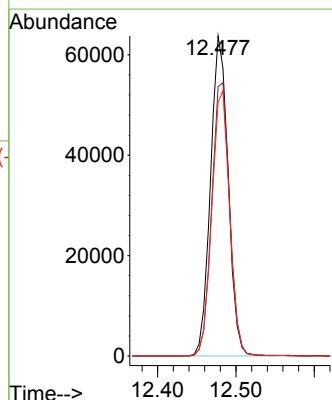
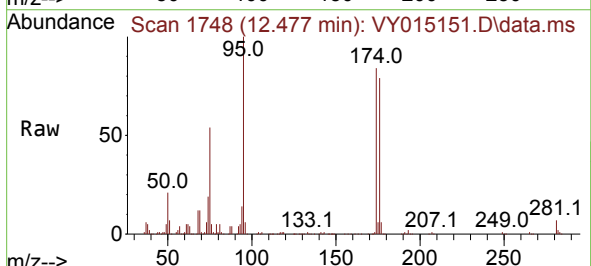
Tgt Ion: 95 Resp: 99677

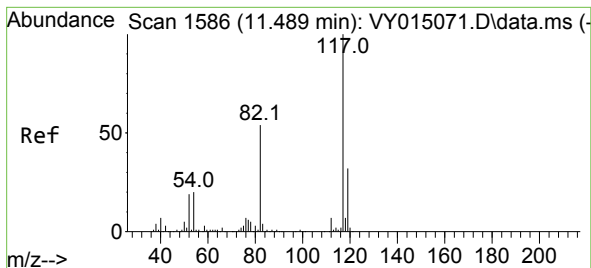
Ion Ratio Lower Upper

95 100

174 86.9 0.0 178.2

176 83.4 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: VY015151.D

Acq: 16 Aug 2023 15:41

Instrument :

MSVOA_Y

ClientSampleId :

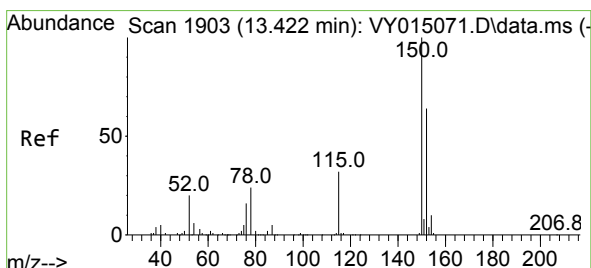
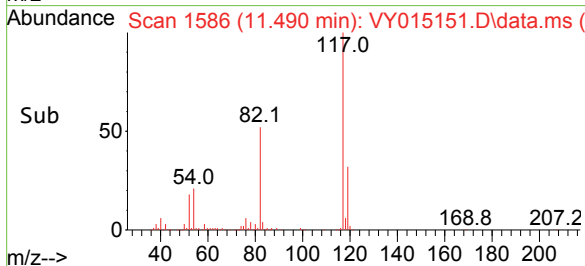
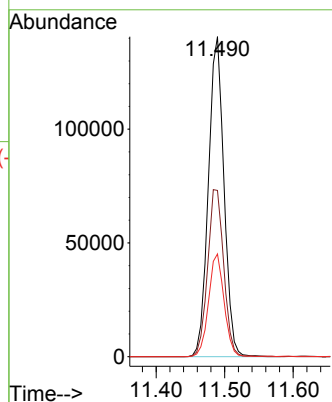
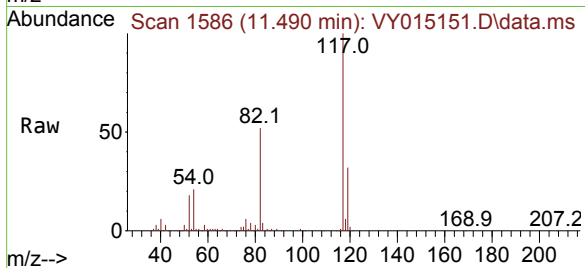
Tgt Ion:117 Resp: 222191

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.1 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: VY015151.D

Acq: 16 Aug 2023 15:41

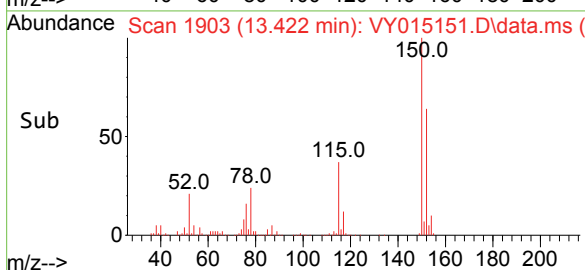
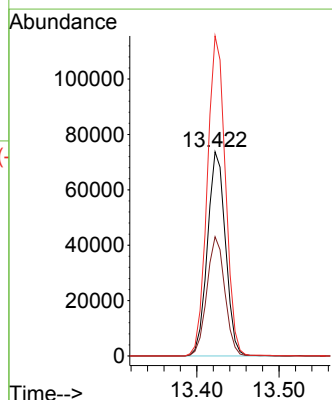
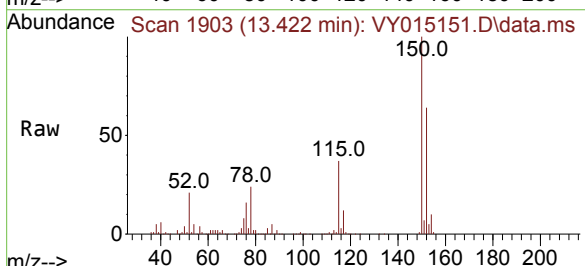
Tgt Ion:152 Resp: 112264

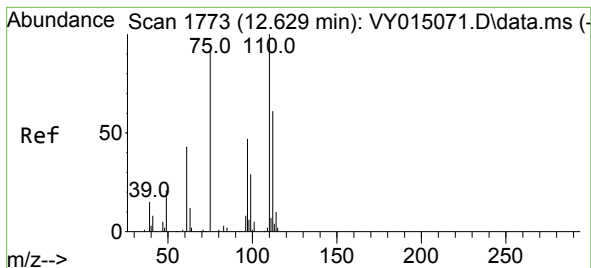
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.9 0.0 348.8

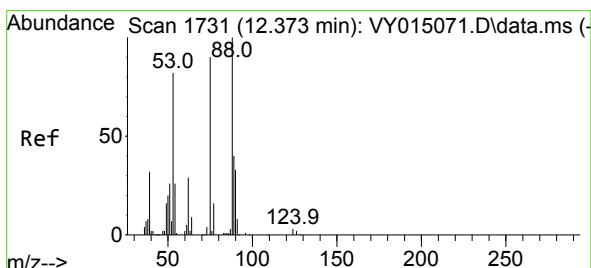
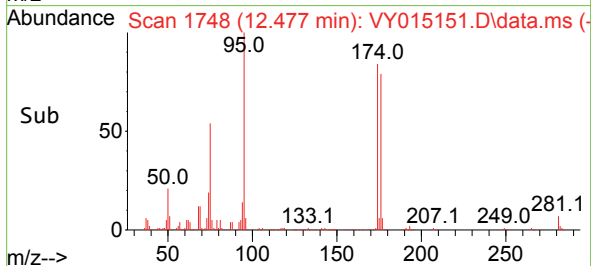
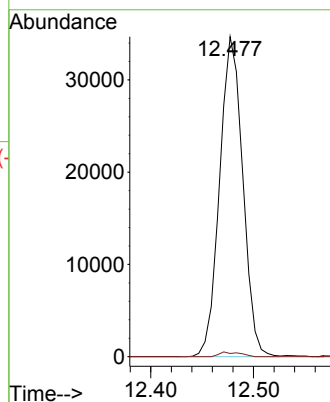
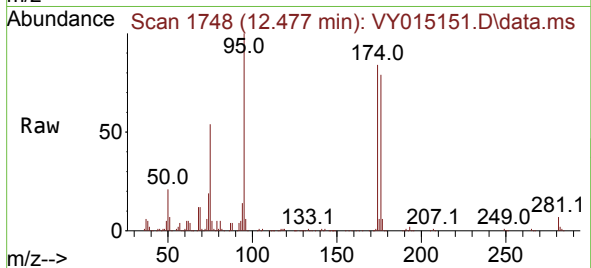




#76
1,2,3-Trichloropropane
Concen: 39.785 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54264
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.387 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015151.D
Acq: 16 Aug 2023 15:41

Tgt Ion: 75 Resp: 54264
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

