

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY013999.D
 Acq On : 05 Jun 2023 11:57
 Operator : KP/MD
 Sample : VY0605SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBL01

Quant Time: Jun 05 15:31:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

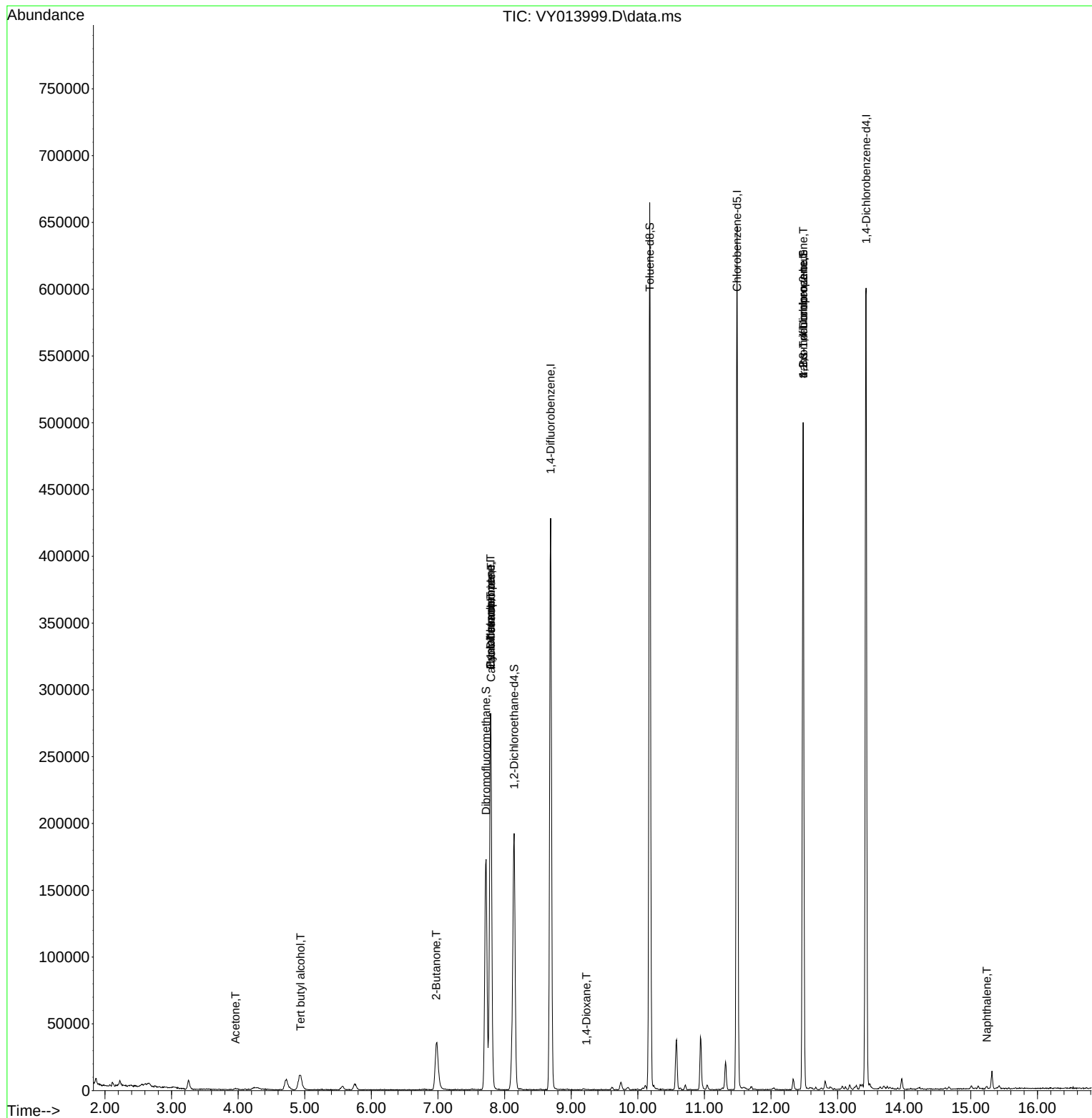
Internal Standards						
1) Pentafluorobenzene	7.789	168	221628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	354266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	147616	50.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.640%	
35) Dibromofluoromethane	7.722	113	118175	52.490	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.980%	
50) Toluene-d8	10.179	98	420003	48.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.820%	
62) 4-Bromofluorobenzene	12.483	95	135733	46.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	10914	18.101	ug/l #	91
16) Acetone	3.960	43	1667	1.661	ug/l	92
20) Methylene Chloride	4.723	84	5309	Below Cal	#	82
25) 2-Butanone	6.972	43	2661	2.128	ug/l #	78
31) Cyclohexane	7.789	56	5147	1.457	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	16578	5.168	ug/l #	52
38) Carbon Tetrachloride	7.795	117	20590	5.729	ug/l #	16
49) 1,4-Dioxane	9.228	88	28	1.178	ug/l #	36
76) 1,2,3-Trichloropropane	12.483	75	76500	36.369	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76500	77.156	ug/l #	11
95) Naphthalene	15.239	128	1704	4.096	ug/l #	94

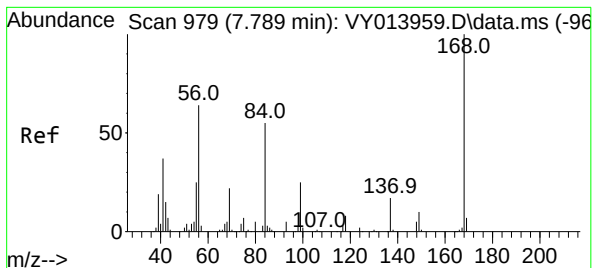
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY013999.D

Acq: 05 Jun 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

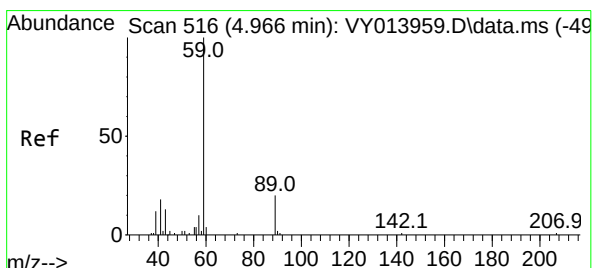
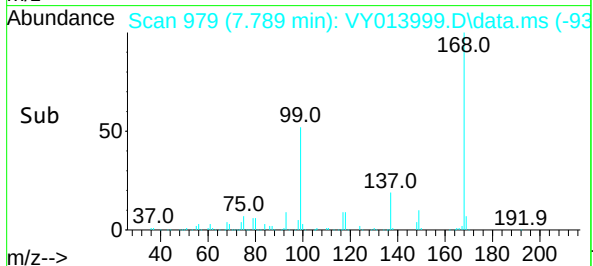
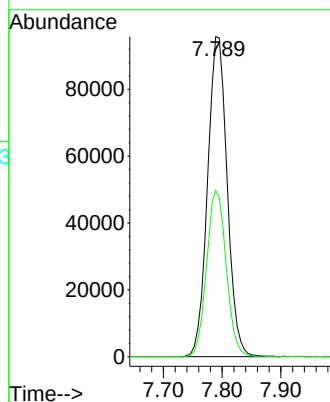
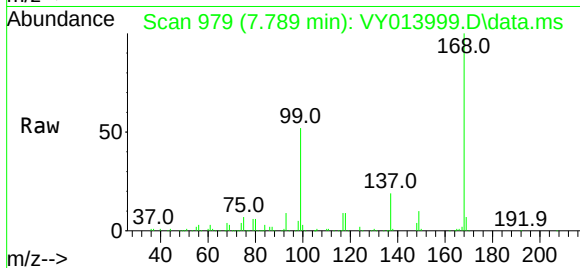
VY0605SBL01

Tgt Ion:168 Resp: 221628

Ion Ratio Lower Upper

168 100

99 51.9 43.4 65.0



#11

Tert butyl alcohol

Concen: 18.101 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.030 min

Lab File: VY013999.D

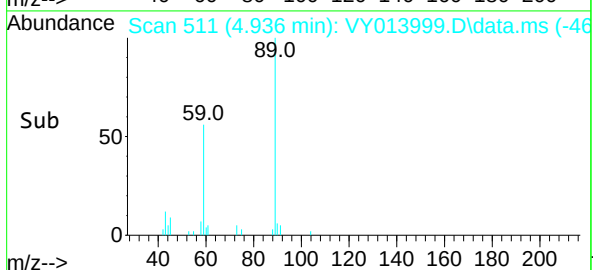
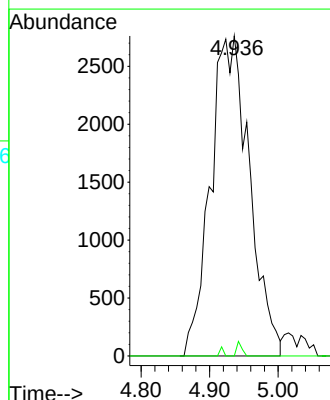
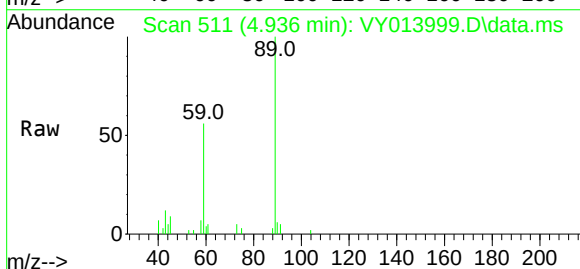
Acq: 05 Jun 2023 11:57

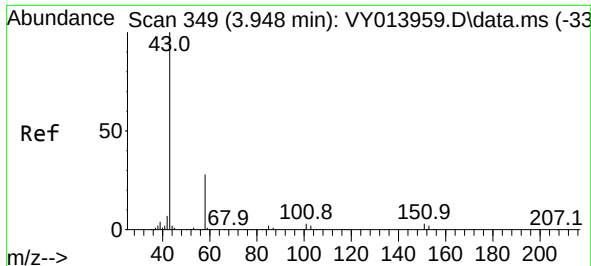
Tgt Ion: 59 Resp: 10914

Ion Ratio Lower Upper

59 100

57 0.6 3.0 4.4#

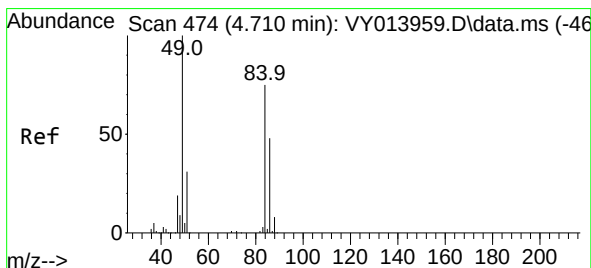
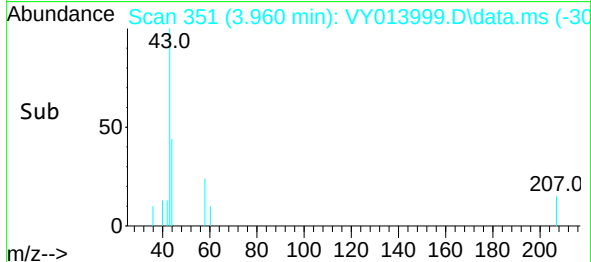
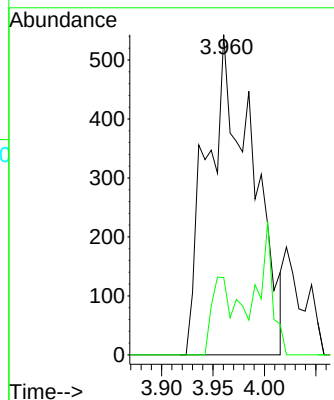
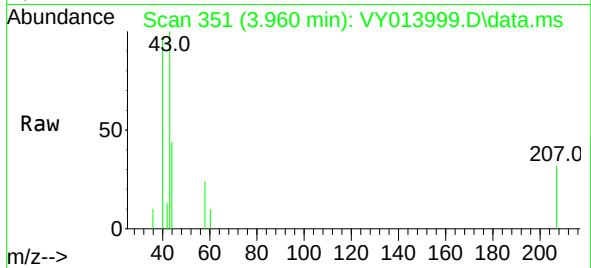




#16
Acetone
Concen: 1.661 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

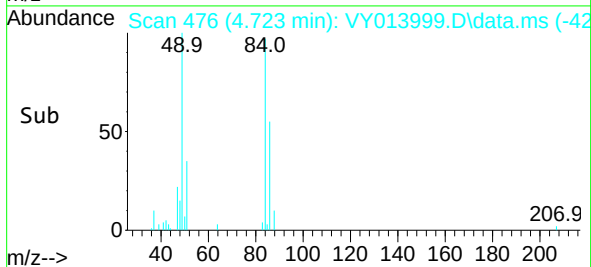
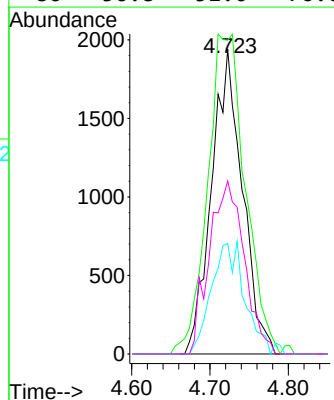
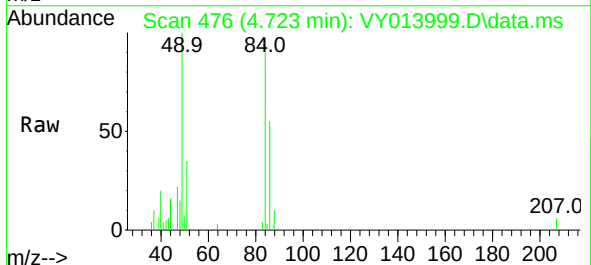
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

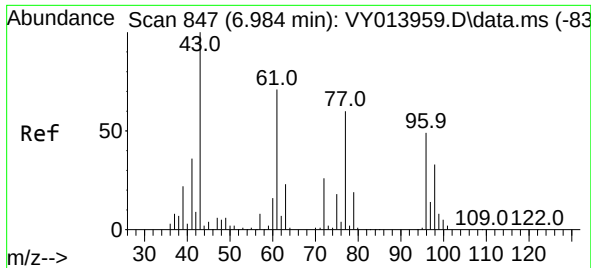
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 24.1 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

Tgt Ion: 84 Resp: 5309
Ion Ratio Lower Upper
84 100
49 102.9 106.9 160.3#
51 36.2 33.2 49.8
86 56.8 51.0 76.6

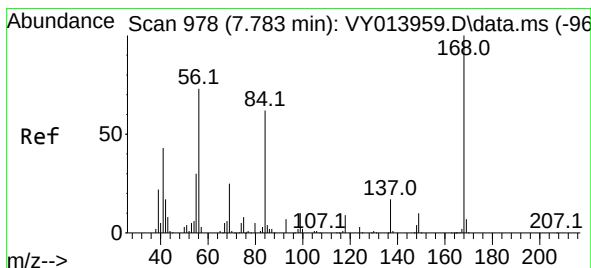
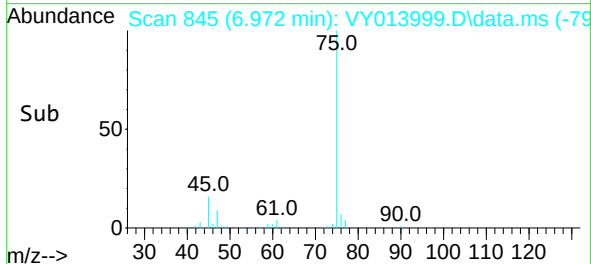
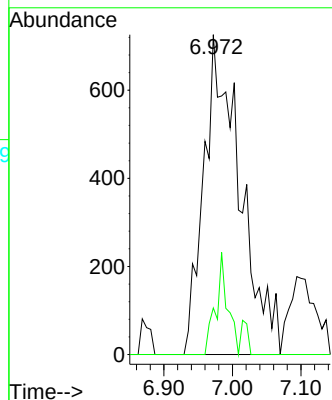
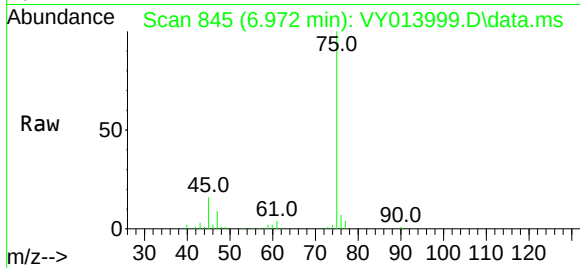




#25
2-Butanone
Concen: 2.128 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

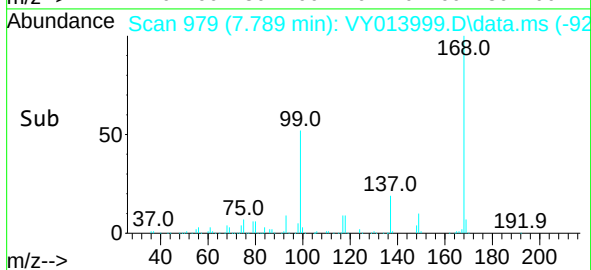
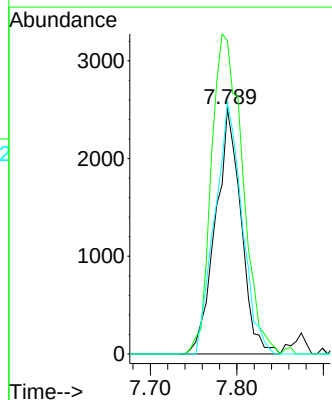
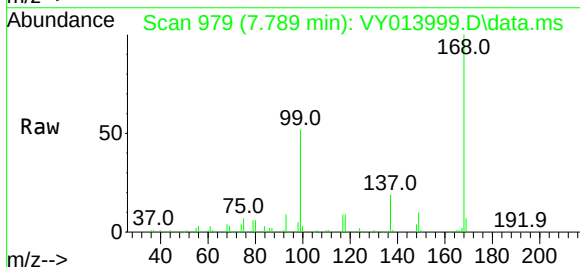
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

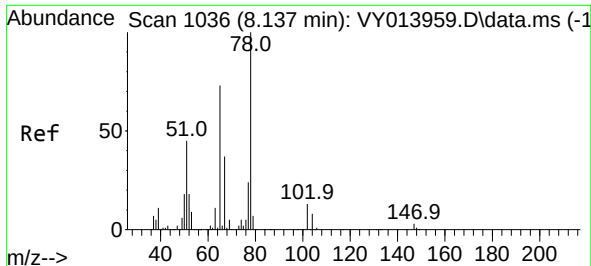
Tgt Ion: 43 Resp: 2661
Ion Ratio Lower Upper
43 100
72 14.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

Tgt Ion: 56 Resp: 5147
Ion Ratio Lower Upper
56 100
69 127.9 27.8 41.6#
84 102.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.315 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013999.D

Acq: 05 Jun 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

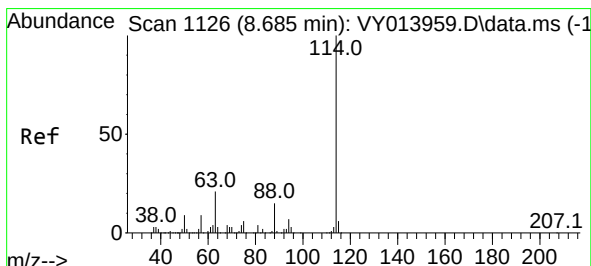
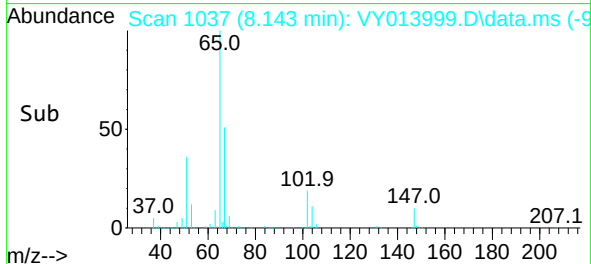
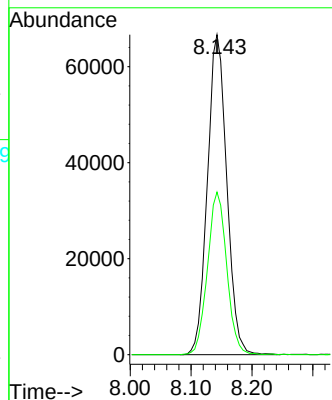
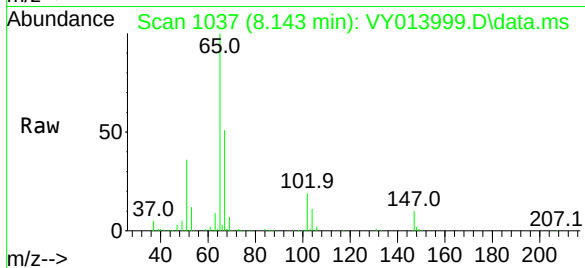
VY0605SBL01

Tgt Ion: 65 Resp: 147616

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013999.D

Acq: 05 Jun 2023 11:57

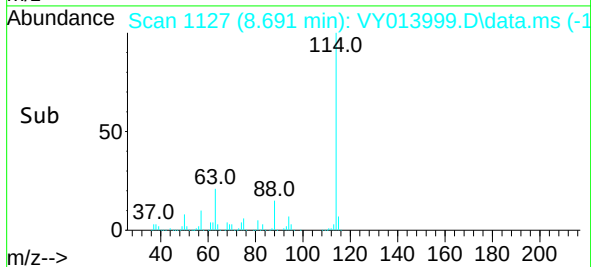
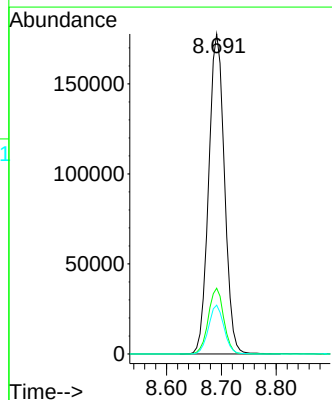
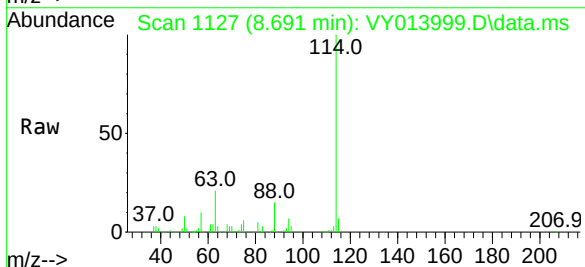
Tgt Ion: 114 Resp: 354266

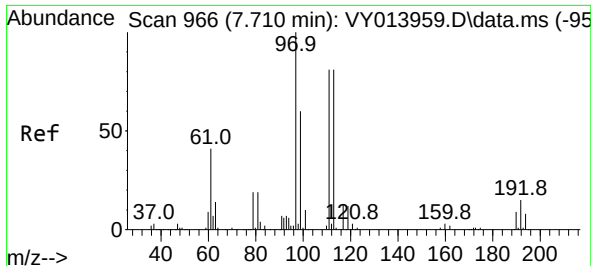
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.490 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY013999.D

Acq: 05 Jun 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0605SBL01

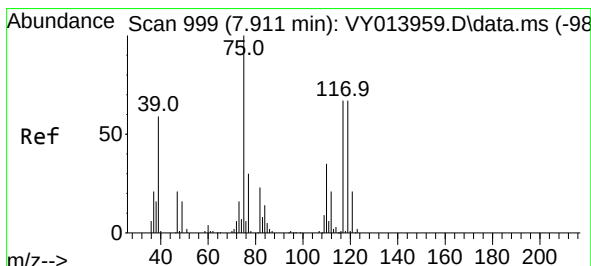
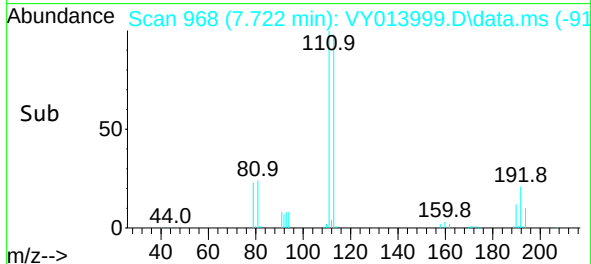
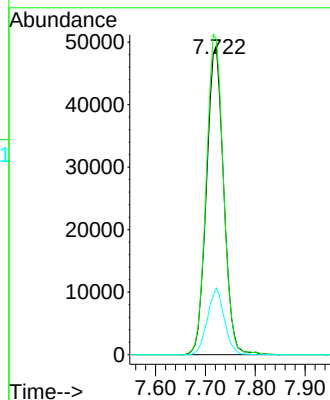
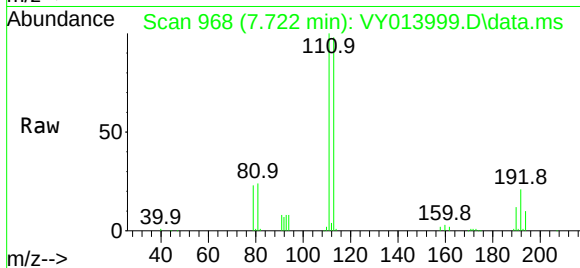
Tgt Ion:113 Resp: 118175

Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 21.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY013999.D

Acq: 05 Jun 2023 11:57

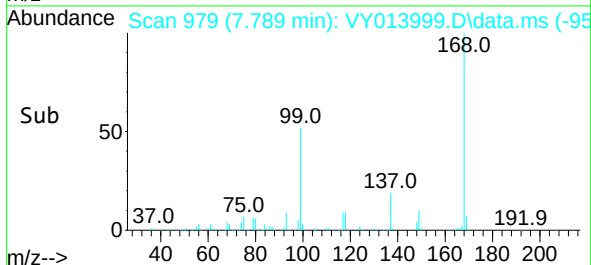
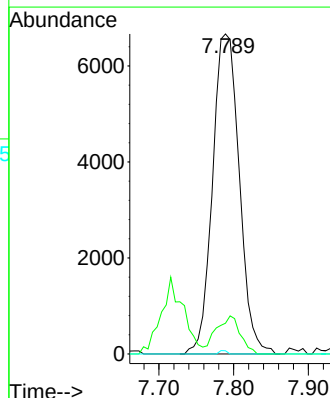
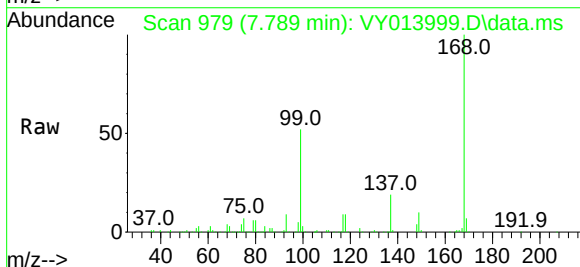
Tgt Ion: 75 Resp: 16578

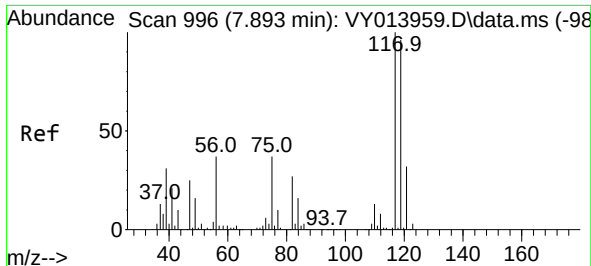
Ion Ratio Lower Upper

75 100

110 10.7 17.8 53.5#

77 0.3 24.4 36.6#

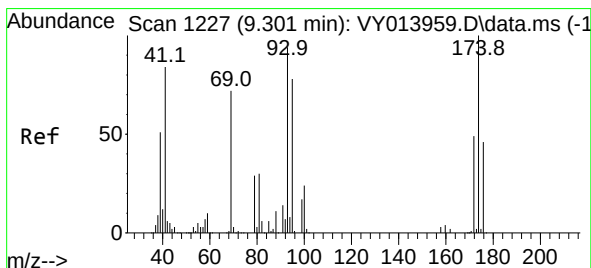
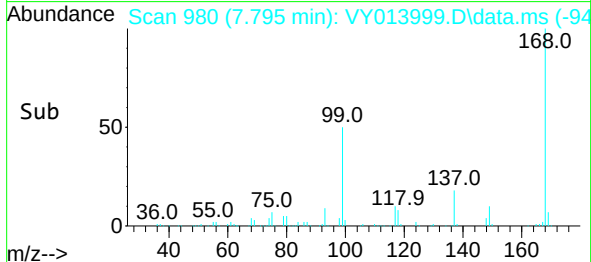
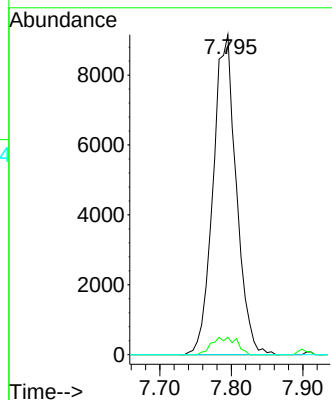
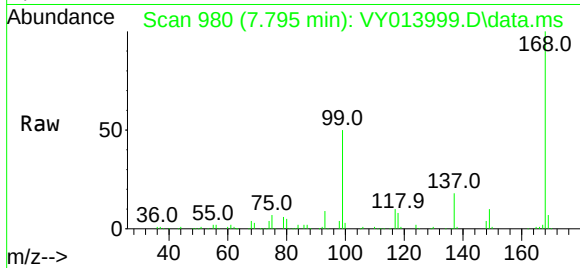




#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

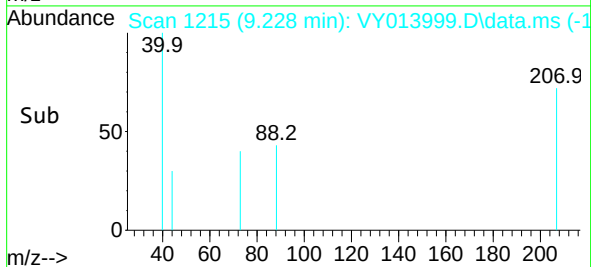
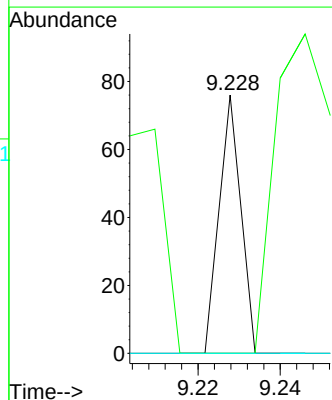
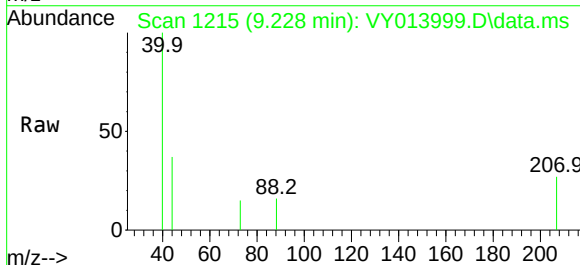
Instrument :
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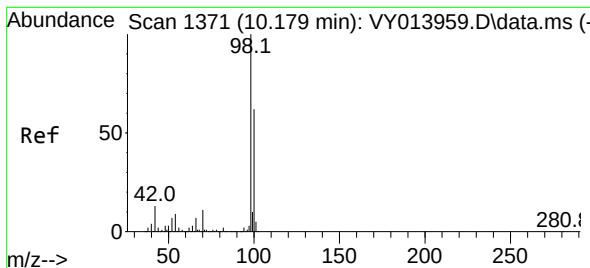
Tgt Ion:117 Resp: 20590
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.178 ug/l
RT: 9.228 min Scan# 1215
Delta R.T. -0.073 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 321.4 0.0 0.0#
58 0.0 30.9 46.3#

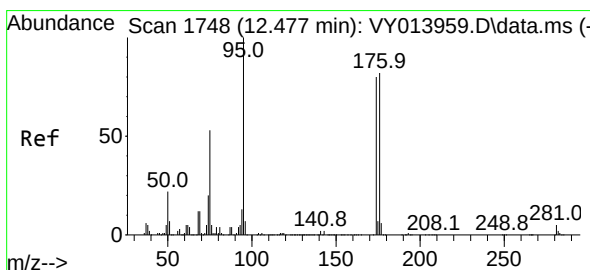
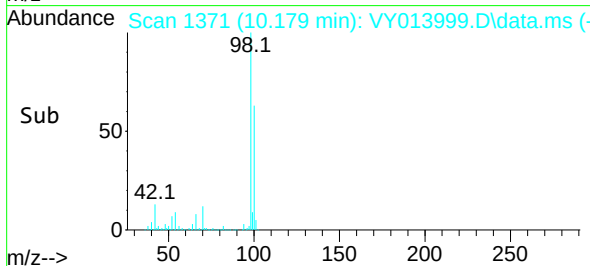
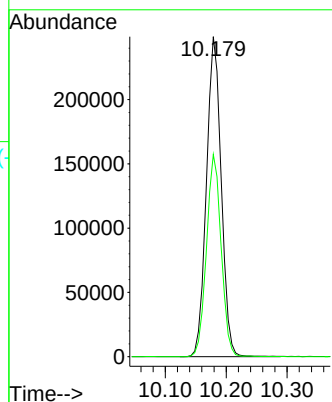
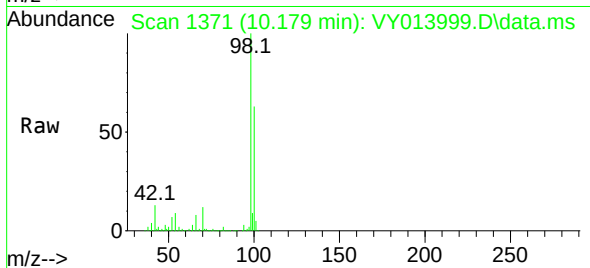




#50
Toluene-d8
Concen: 48.907 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

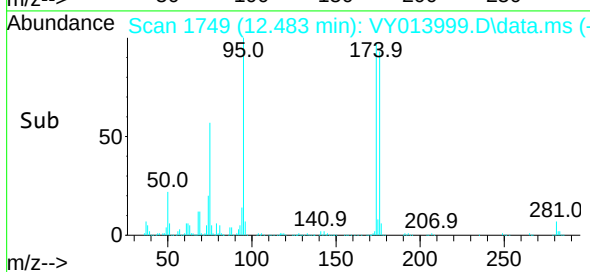
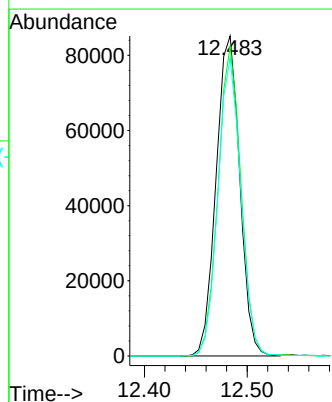
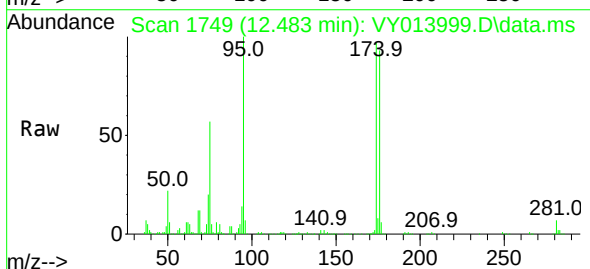
Instrument :
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ClientSampleId :
VY0605SBL01

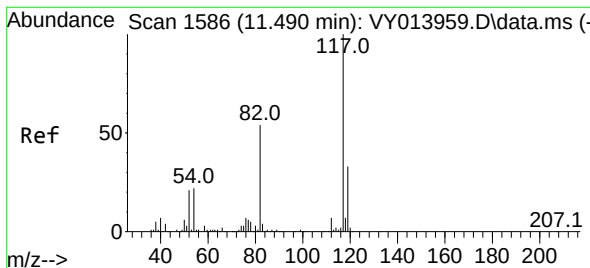
Tgt Ion: 98 Resp: 420003
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.361 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

Tgt Ion: 95 Resp: 135733
Ion Ratio Lower Upper
95 100
174 94.0 0.0 178.2
176 90.1 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: VY013999.D

Acq: 05 Jun 2023 11:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0605SBL01

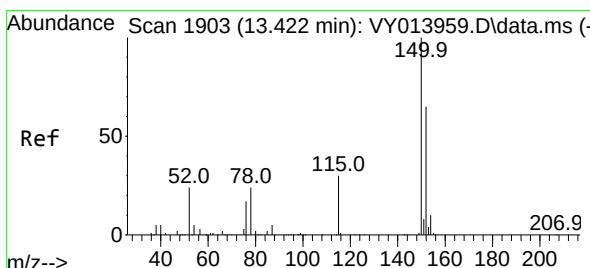
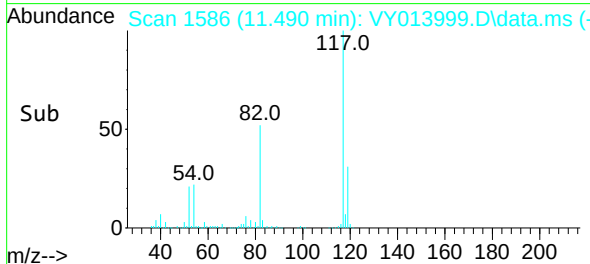
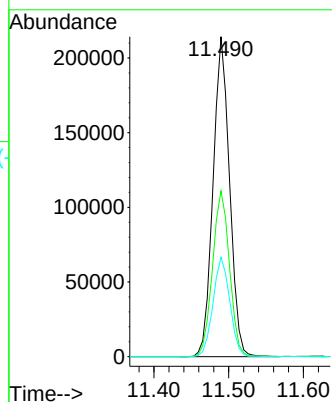
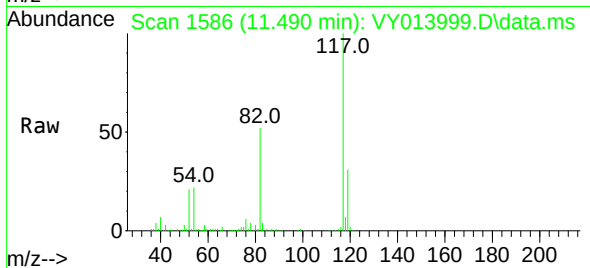
Tgt Ion:117 Resp: 328751

Ion Ratio Lower Upper

117 100

82 51.8 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: VY013999.D

Acq: 05 Jun 2023 11:57

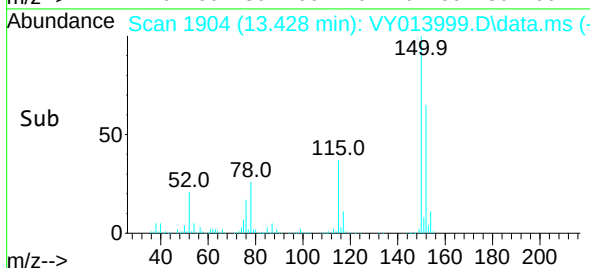
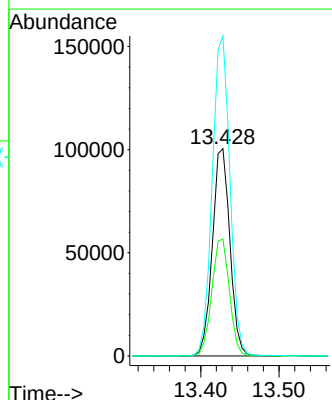
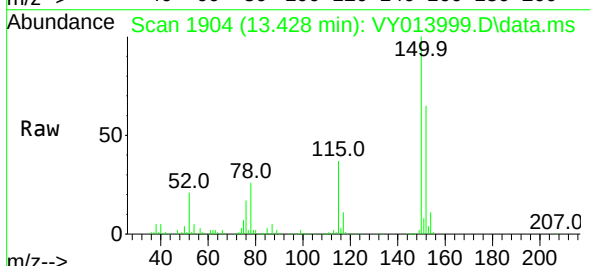
Tgt Ion:152 Resp: 156311

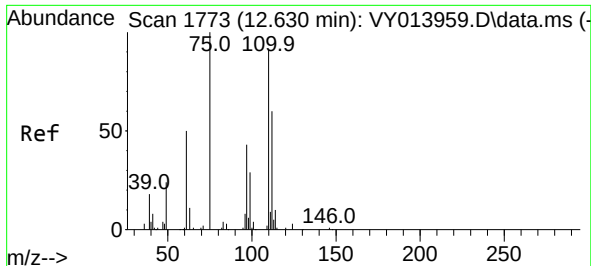
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 155.4 0.0 348.8

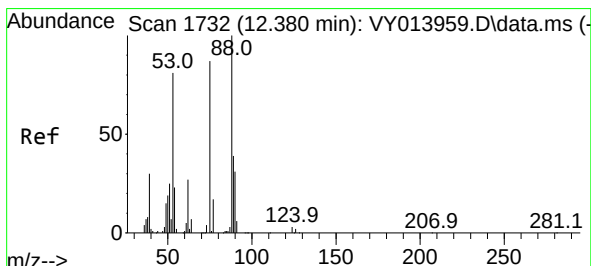
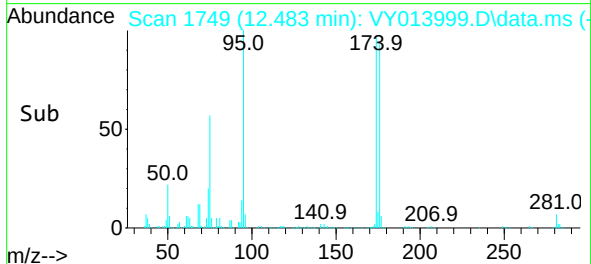
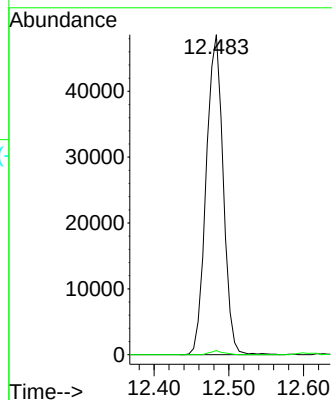
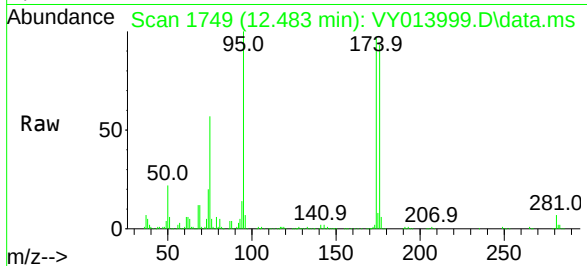




#76
1,2,3-Trichloropropane
Concen: 36.369 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

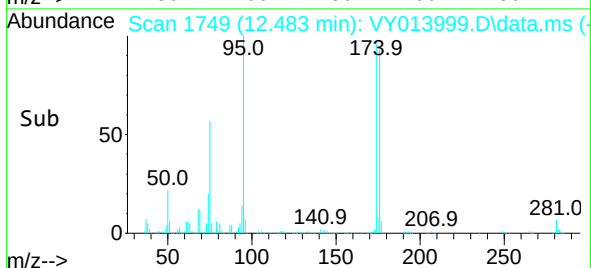
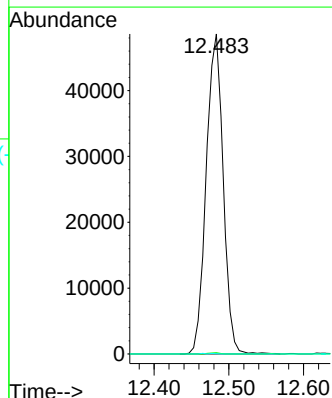
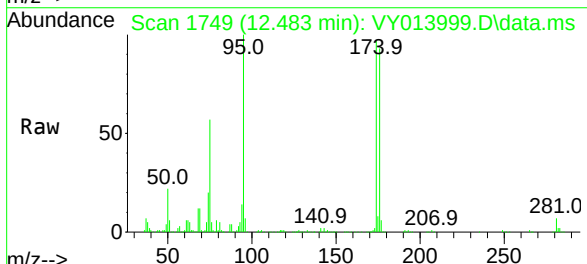
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

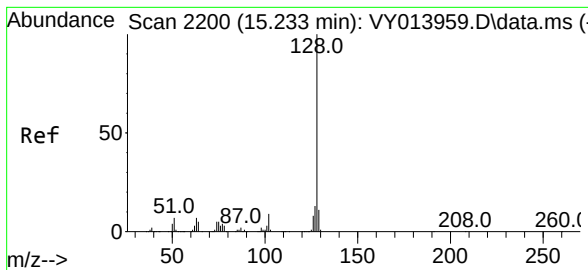
Tgt Ion: 75 Resp: 76500
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.156 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

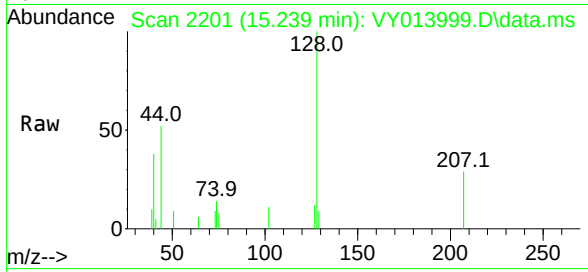
Tgt Ion: 75 Resp: 76500
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 4.096 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013999.D
Acq: 05 Jun 2023 11:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01



Tgt Ion:	128	Resp:	1704
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.8	16.2
129	7.6	8.6	13.0#

