

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013648.D
 Acq On : 08 May 2023 14:49
 Operator : KP/MD
 Sample : 02616-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1RE

Quant Time: May 09 04:57:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

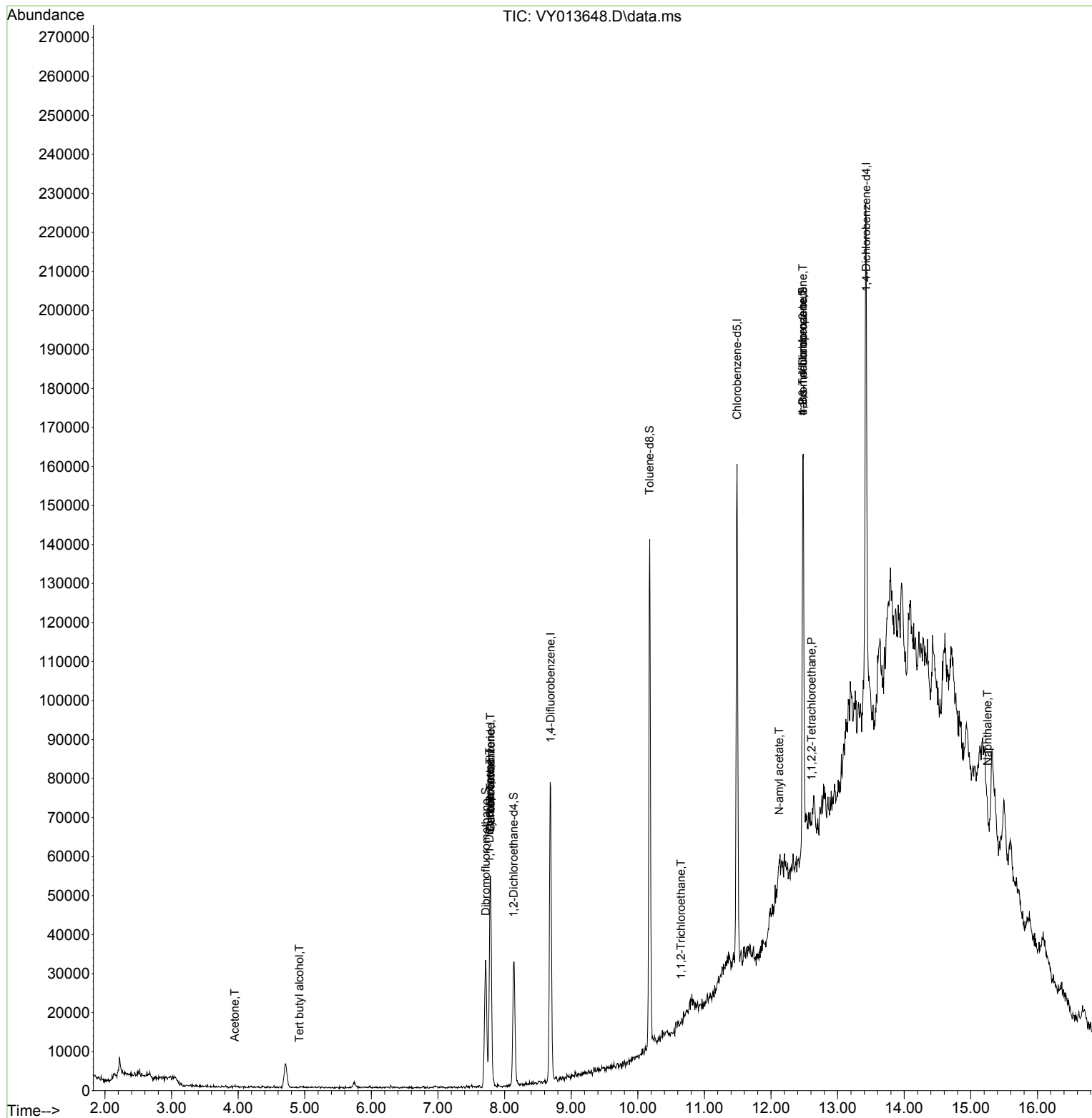
Internal Standards						
1) Pentafluorobenzene	7.789	168	41206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	64927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	68163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	27176	60.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.320%	
35) Dibromofluoromethane	7.716	113	22224	54.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.840%	
50) Toluene-d8	10.179	98	84003	57.825	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.660%	
62) 4-Bromofluorobenzene	12.477	95	33389	68.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 136.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	49	1.611	ug/l #	89
13) Acrolein	3.936	56	23	Below Cal	#	16
16) Acetone	3.948	43	687	3.862	ug/l #	43
31) Cyclohexane	7.783	56	1046	1.293	ug/l #	6
36) 1,1-Dichloropropene	7.777	75	3221	4.753	ug/l #	45
38) Carbon Tetrachloride	7.789	117	4320	6.082	ug/l #	18
55) 1,1,2-Trichloroethane	10.648	97	573	1.449	ug/l #	16
74) N-amyl acetate	12.123	43	1310	1.596	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.611	83	582	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	15812	38.440	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15812	78.631	ug/l #	13
95) Naphthalene	15.251	128	1332	1.071	ug/l #	81

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

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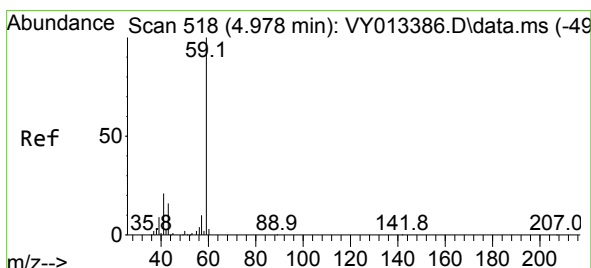
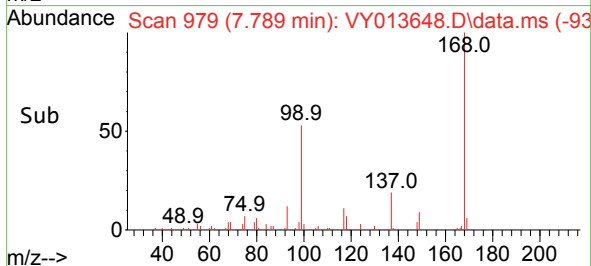
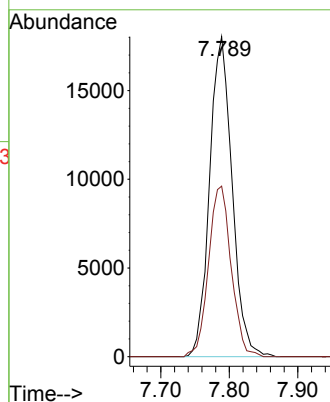
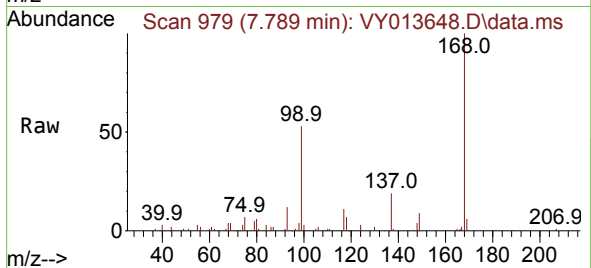




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

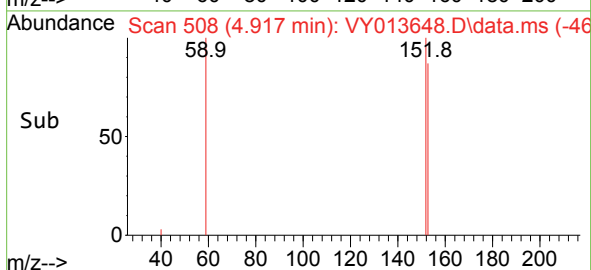
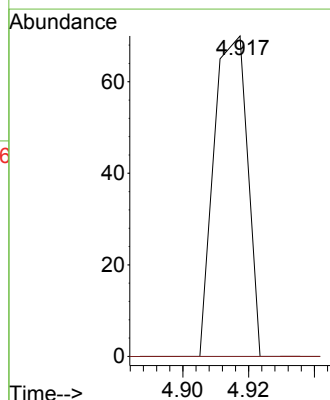
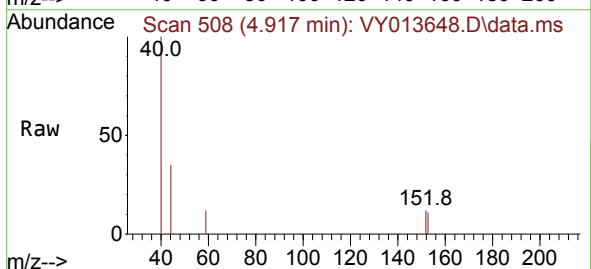
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

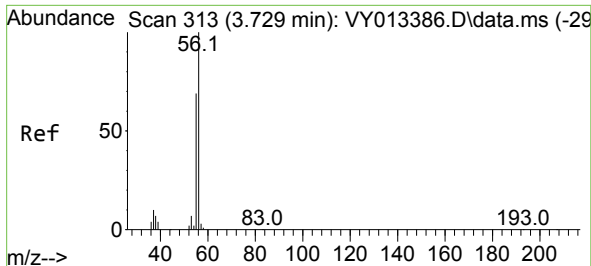
Tgt Ion:168 Resp: 41206
Ion Ratio Lower Upper
168 100
99 53.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.611 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.061 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.936 min Scan# 347

Delta R.T. 0.207 min

Lab File: VY013648.D

Acq: 08 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

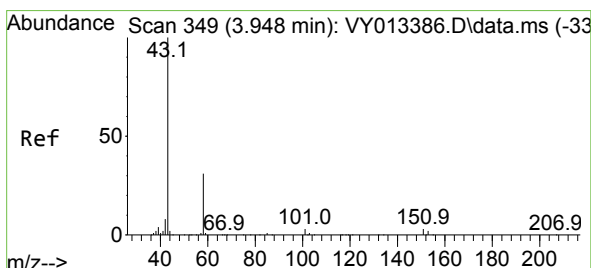
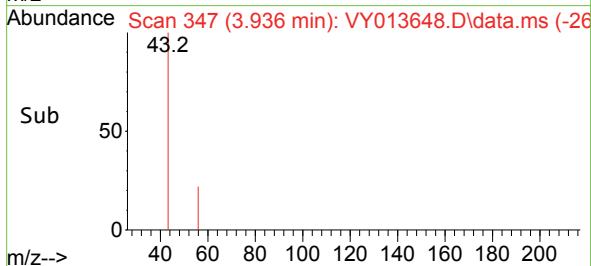
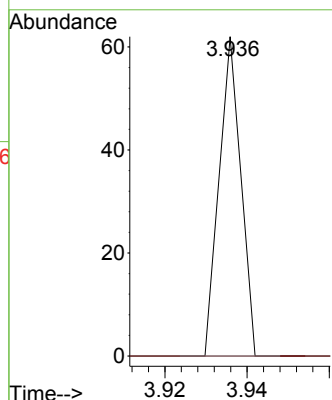
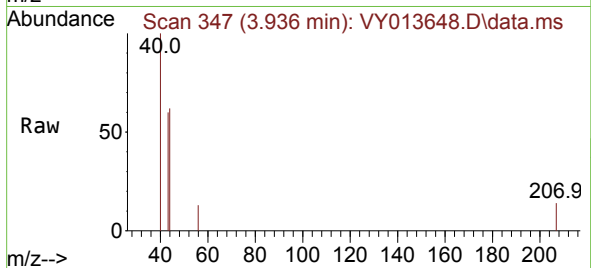
SP-1RE

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 3.862 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013648.D

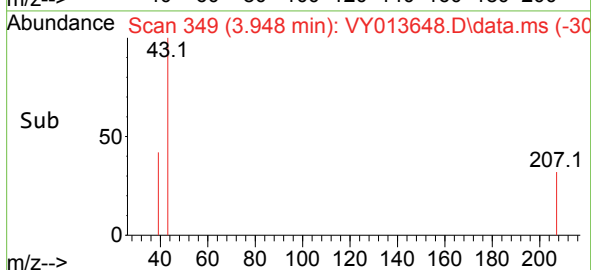
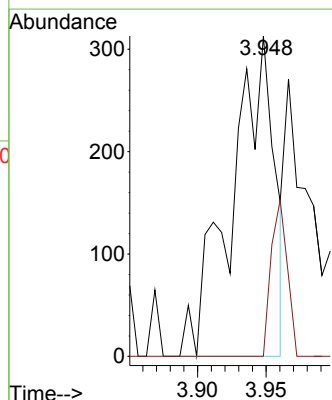
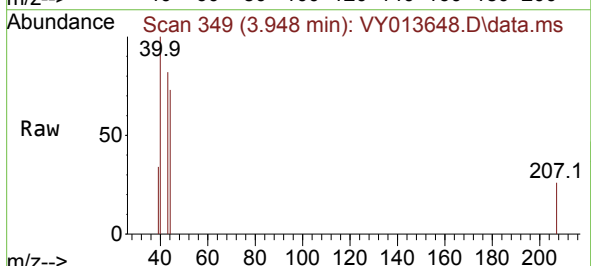
Acq: 08 May 2023 14:49

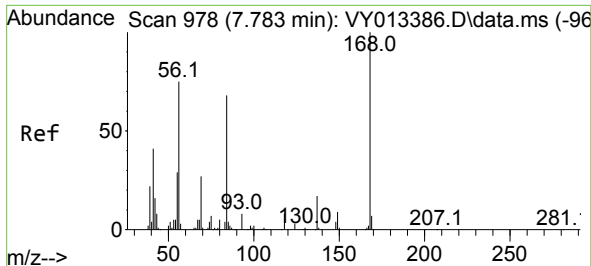
Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#

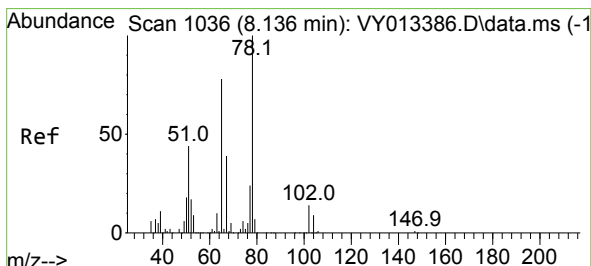
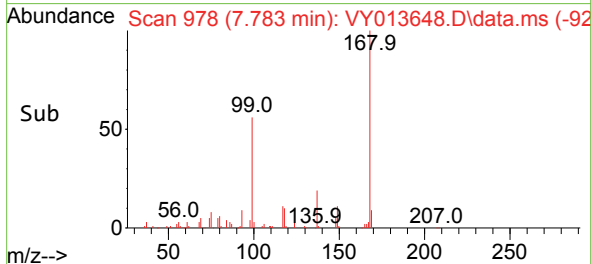
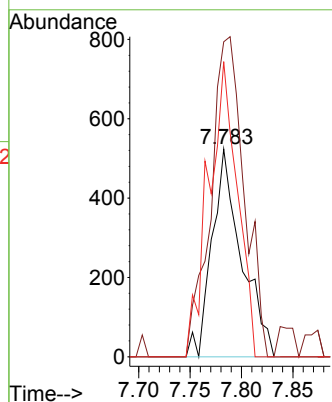
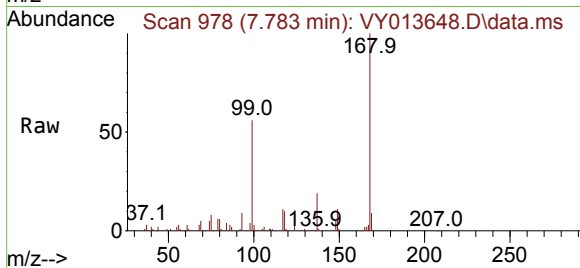




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

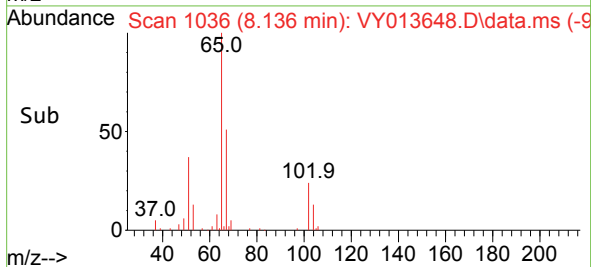
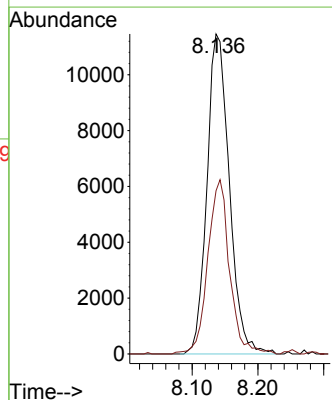
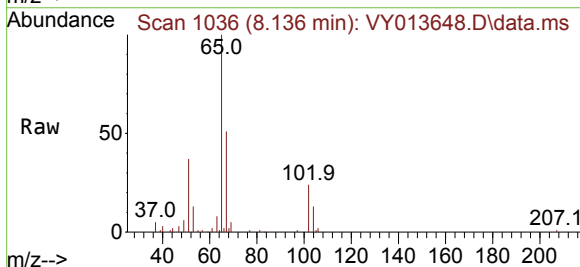
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

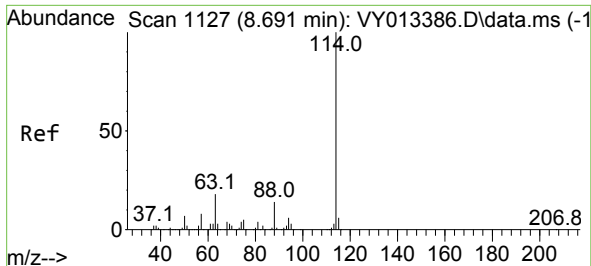
Tgt Ion: 56 Resp: 1046
Ion Ratio Lower Upper
56 100
69 151.5 29.2 43.8#
84 142.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 60.163 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 65 Resp: 27176
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

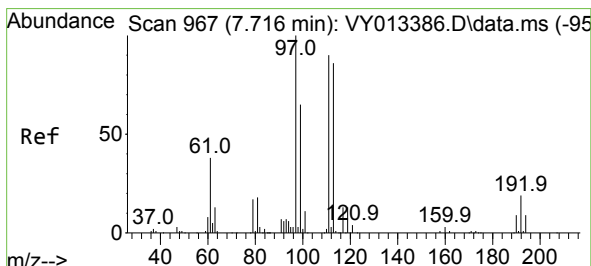
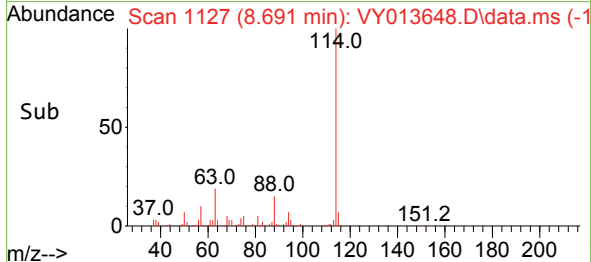
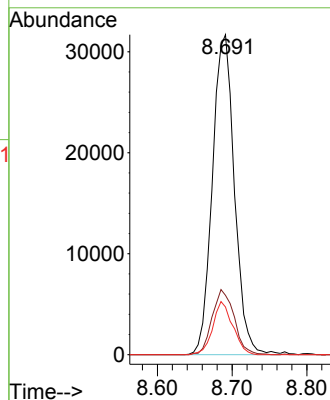
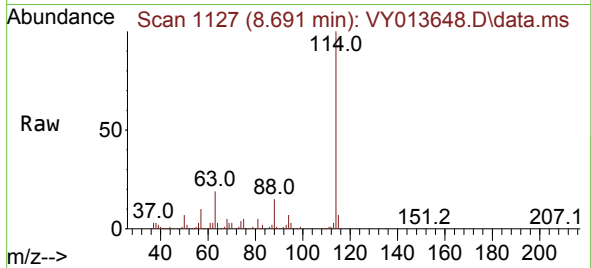




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

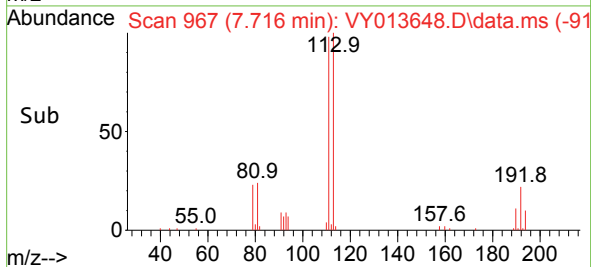
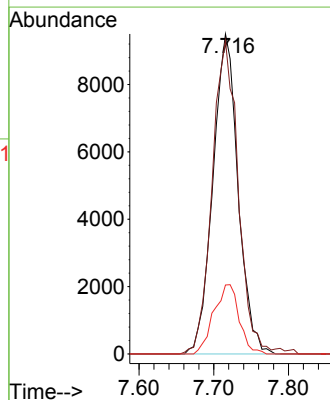
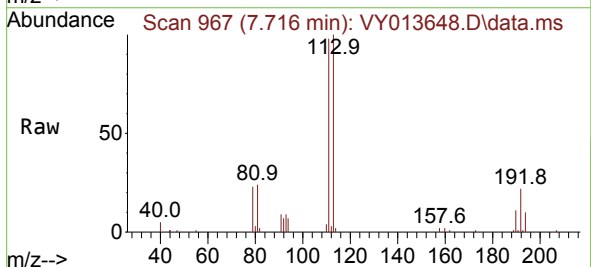
Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

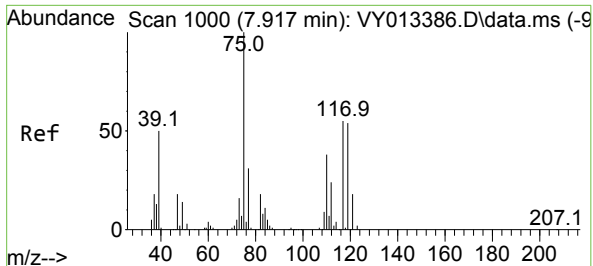
Tgt Ion:114 Resp: 64927
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.6
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 54.422 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion:113 Resp: 22224
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 21.8 16.7 25.1

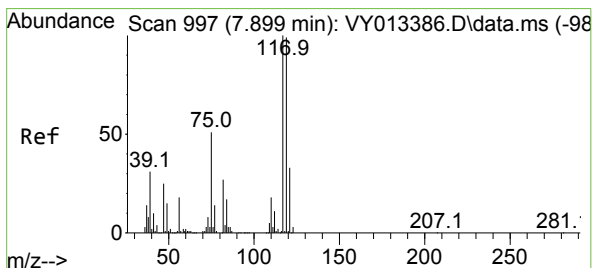
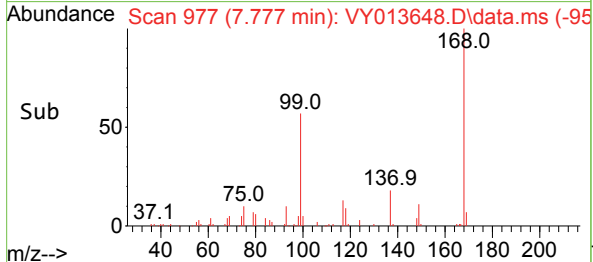
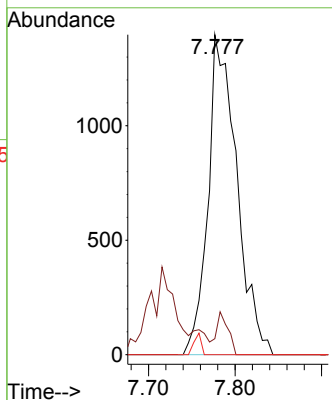
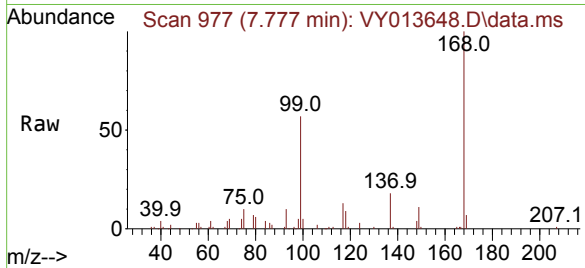




#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

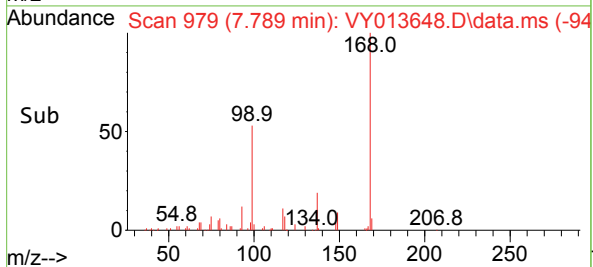
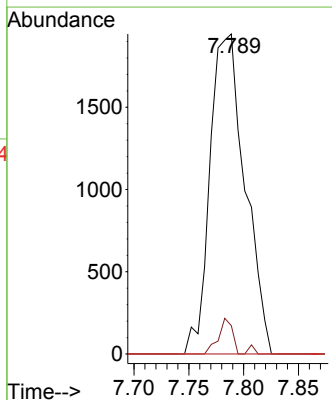
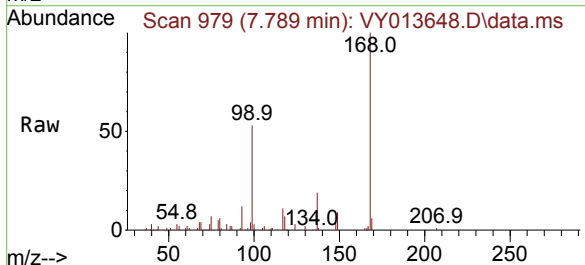
Instrument :
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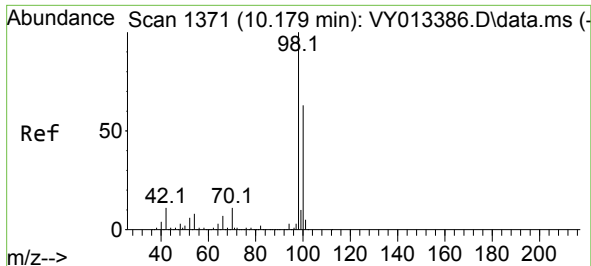
Tgt Ion: 75 Resp: 3221
Ion Ratio Lower Upper
75 100
110 5.5 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.082 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 117 Resp: 4320
Ion Ratio Lower Upper
117 100
119 8.9 79.0 118.6#
121 0.0 26.6 40.0#

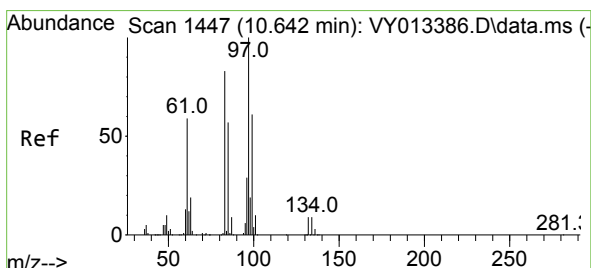
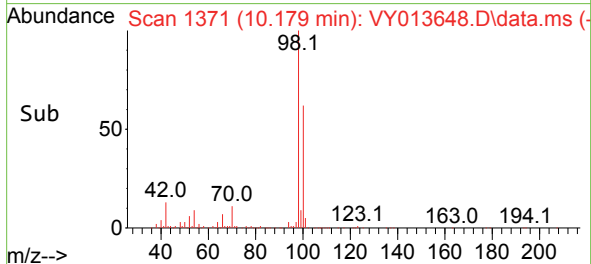
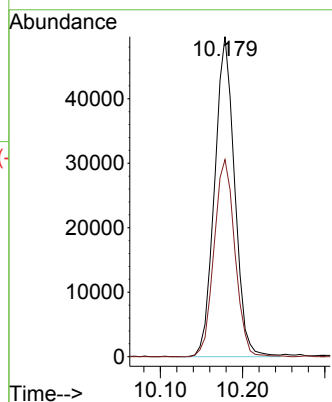
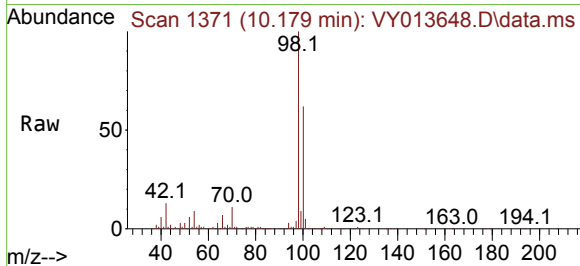




#50
Toluene-d8
Concen: 57.825 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

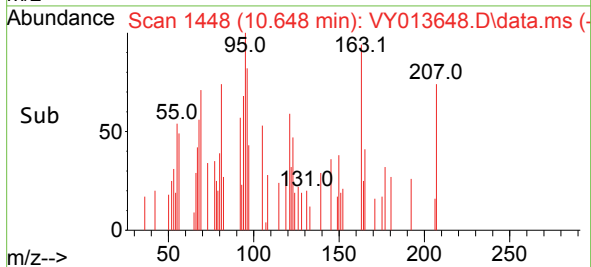
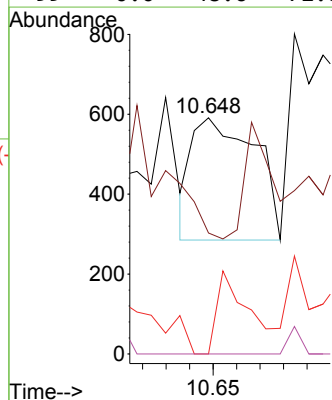
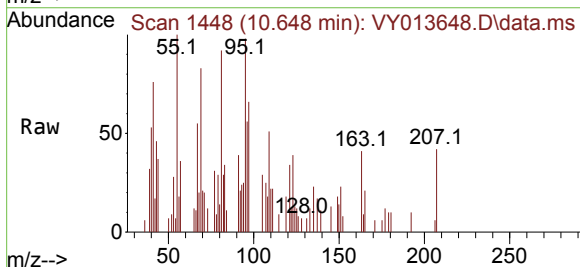
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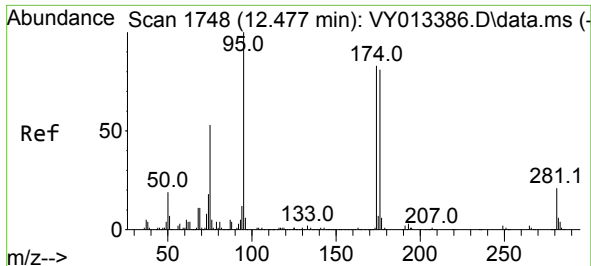
Tgt Ion: 98 Resp: 84003
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#55
1,1,2-Trichloroethane
Concen: 1.449 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 97 Resp: 573
Ion Ratio Lower Upper
97 100
83 0.0 66.4 99.6#
85 0.0 45.6 68.4#
99 0.0 48.6 72.8#

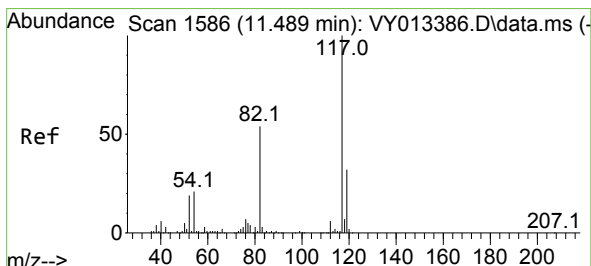
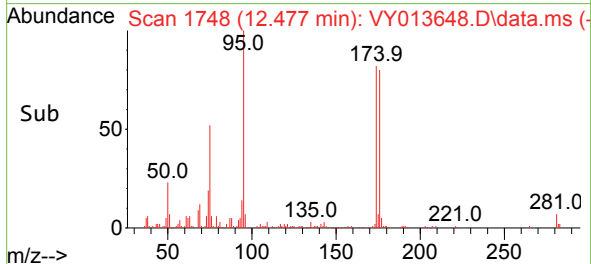
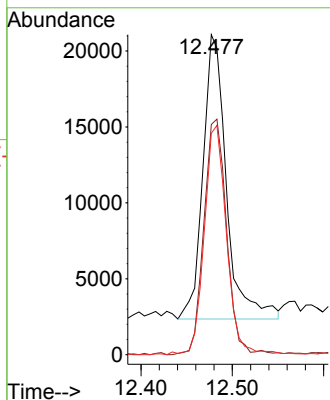
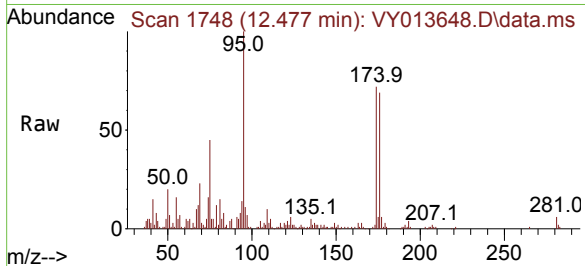




#62
4-Bromofluorobenzene
Concen: 68.176 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

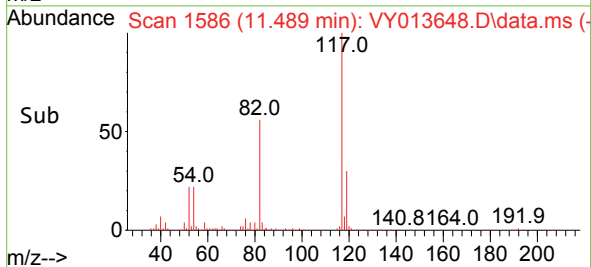
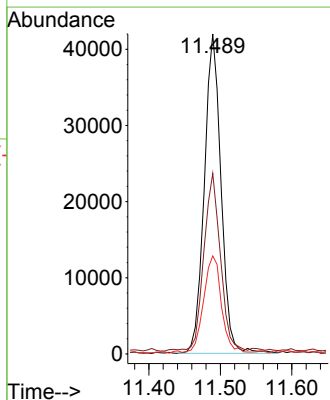
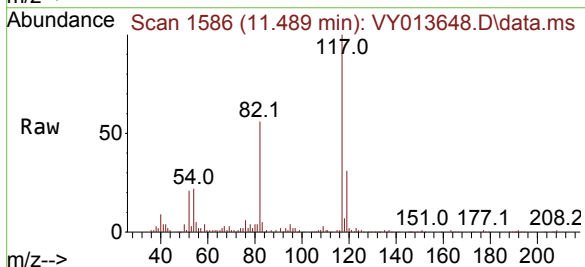
Instrument :
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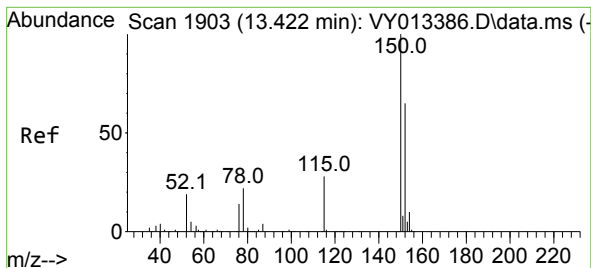
Tgt Ion: 95 Resp: 33389
Ion Ratio Lower Upper
95 100
174 79.2 0.0 182.0
176 76.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 117 Resp: 68163
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.6
119 30.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013648.D

Acq: 08 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

SP-1RE

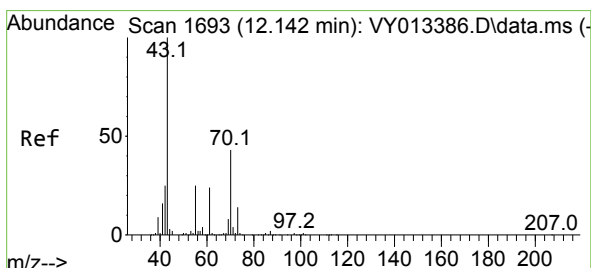
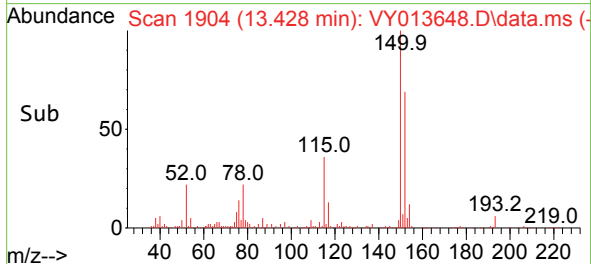
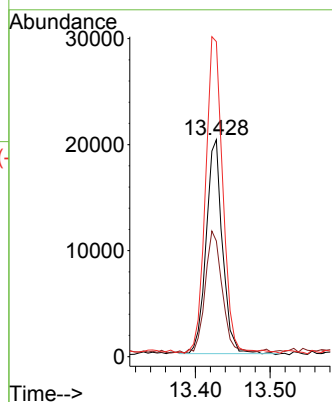
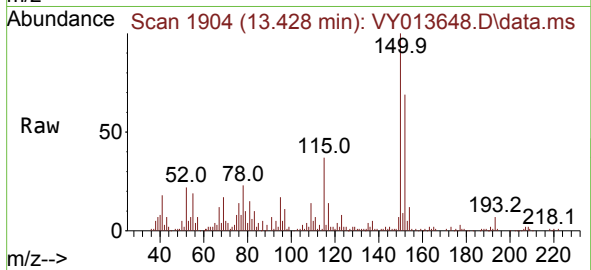
Tgt Ion:152 Resp: 30501

Ion Ratio Lower Upper

152 100

115 60.3 28.1 84.2

150 157.0 0.0 352.0



#74

N-ethyl acetate

Concen: 1.596 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.019 min

Lab File: VY013648.D

Acq: 08 May 2023 14:49

Tgt Ion: 43 Resp: 1310

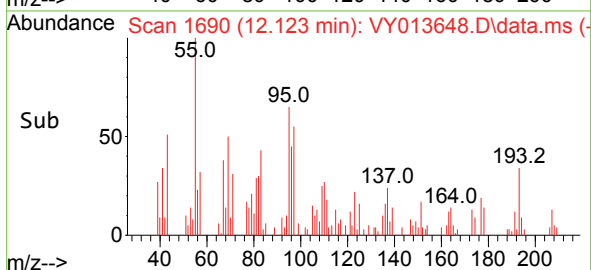
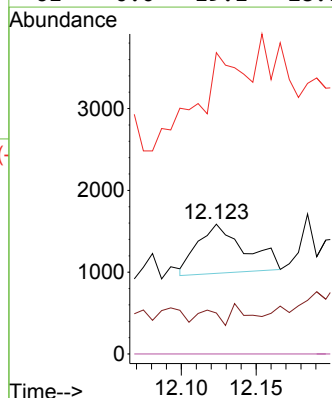
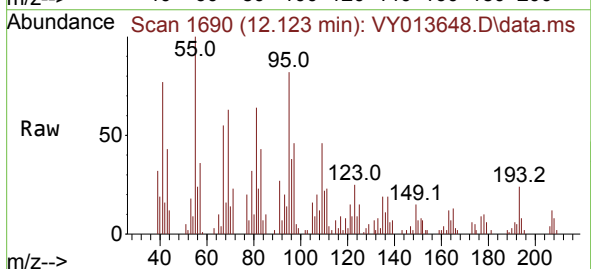
Ion Ratio Lower Upper

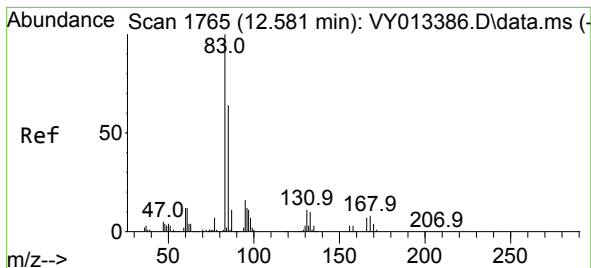
43 100

70 13.7 33.0 49.4#

55 213.0 19.8 29.6#

61 0.0 19.1 28.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.032 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.030 min

Lab File: VY013648.D

Acq: 08 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

SP-1RE

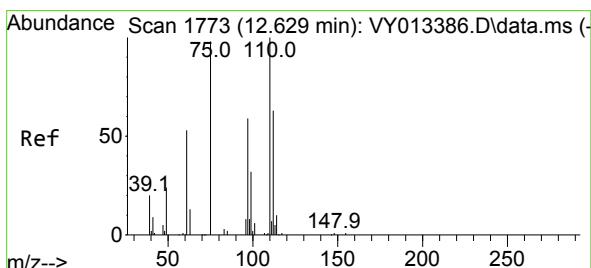
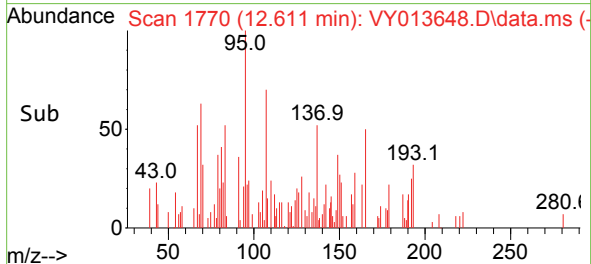
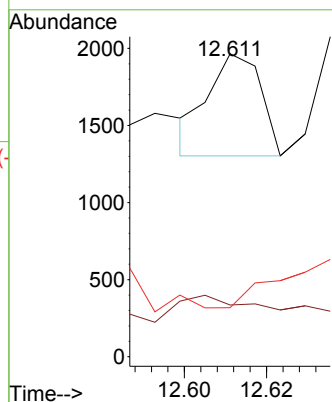
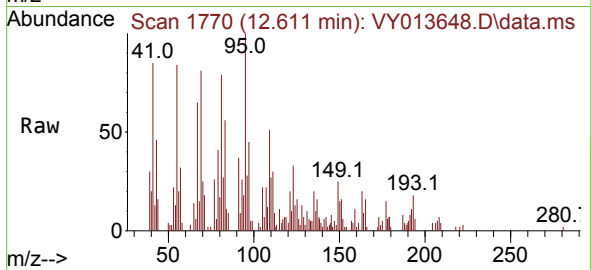
Tgt Ion: 83 Resp: 582

Ion Ratio Lower Upper

83 100

131 91.1 5.7 17.0#

85 0.0 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 38.440 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013648.D

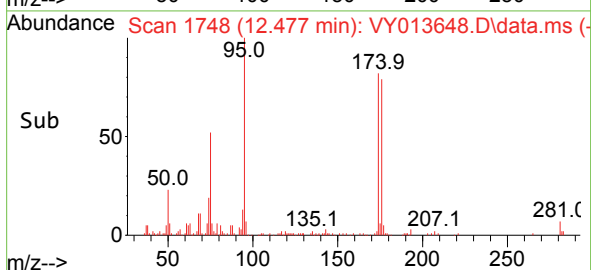
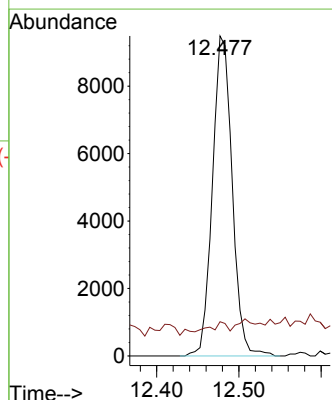
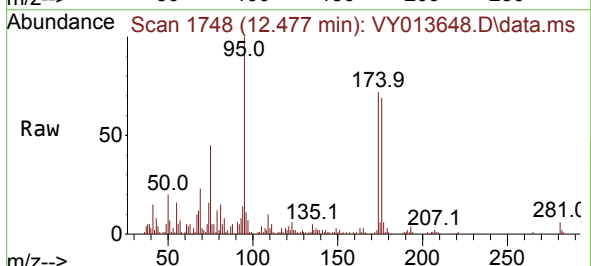
Acq: 08 May 2023 14:49

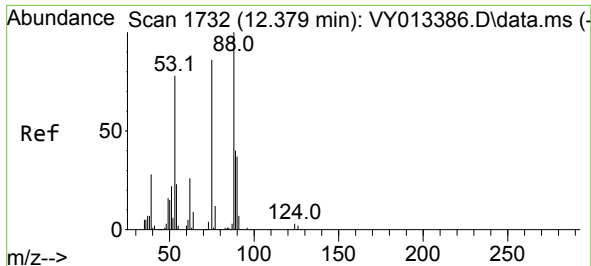
Tgt Ion: 75 Resp: 15812

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#

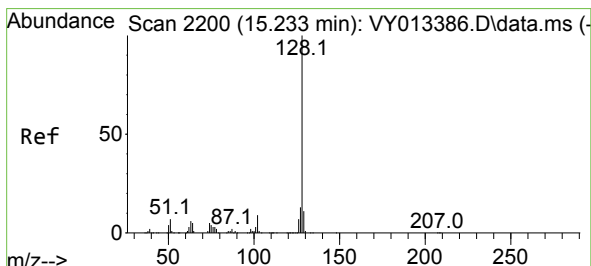
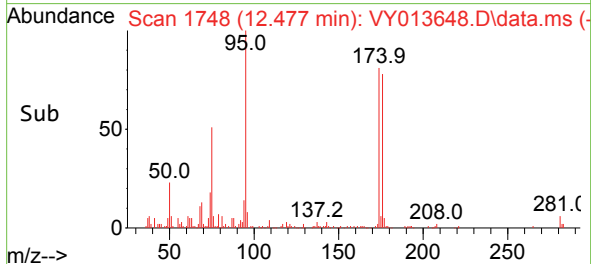
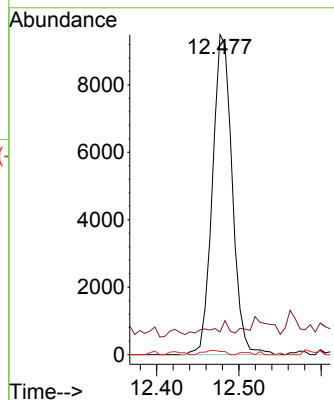
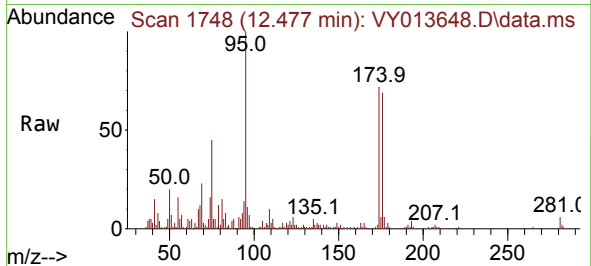




#81
trans-1,4-Dichloro-2-butene
Concen: 78.631 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Instrument :
MSVOA_Y
ClientSampleId :
SP-1RE

Tgt Ion: 75 Resp: 15812
Ion Ratio Lower Upper
75 100
53 1.0 73.2 109.8#
89 0.0 38.0 57.0#



#95
Naphthalene
Concen: 1.071 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.018 min
Lab File: VY013648.D
Acq: 08 May 2023 14:49

Tgt Ion: 128 Resp: 1332
Ion Ratio Lower Upper
128 100
127 8.9 10.7 16.1#
129 0.0 8.8 13.2#

