

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014811.D
 Acq On : 25 Jul 2023 18:55
 Operator : SY/MD
 Sample : 03735-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1029

Quant Time: Jul 26 01:22:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

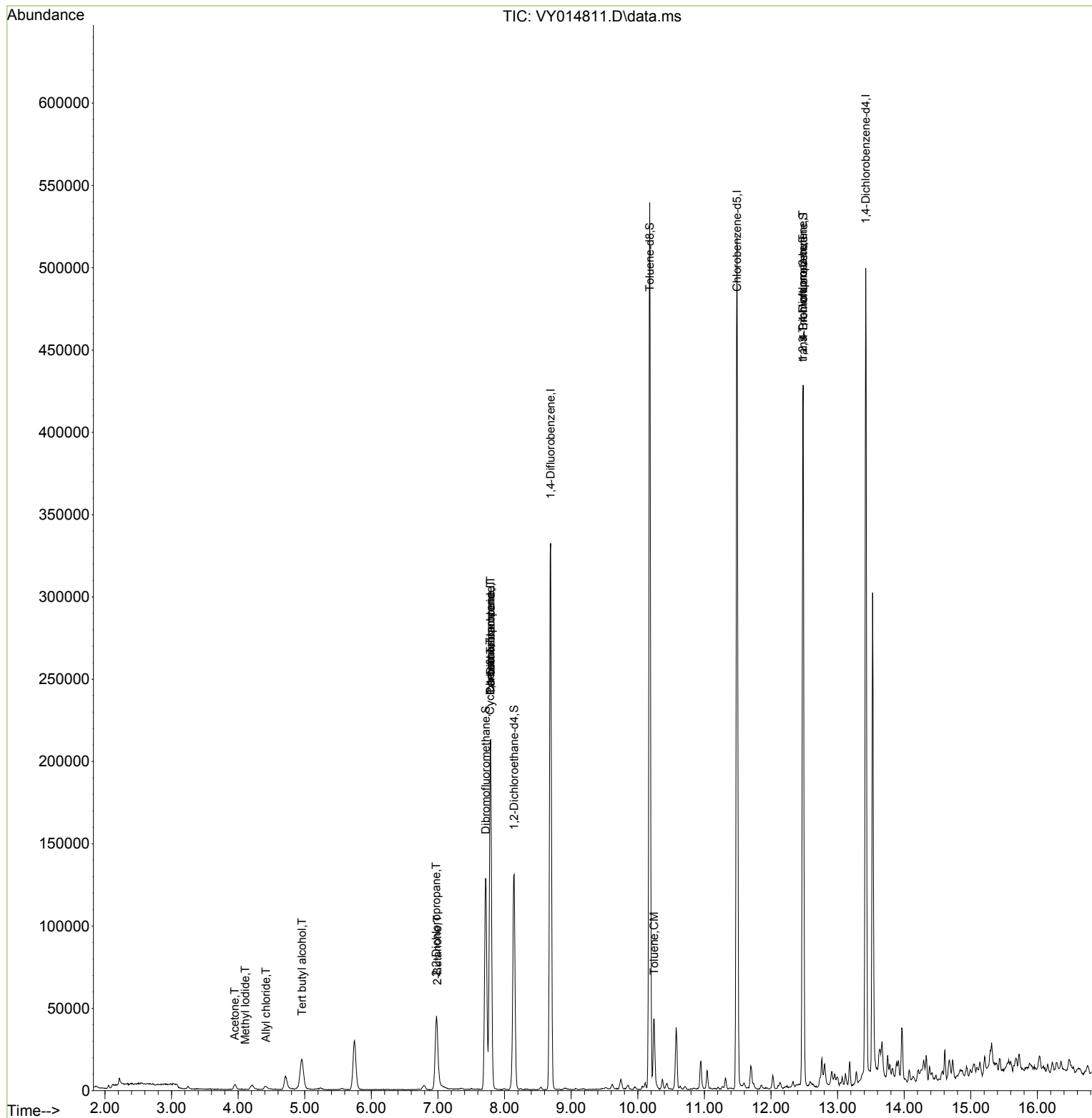
Internal Standards						
1) Pentafluorobenzene	7.789	168	165001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	277898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102552	54.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.080%	
35) Dibromofluoromethane	7.716	113	92752	50.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.179	98	346884	50.986	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	12.483	95	126783	48.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.200%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	52	2.396	ug/l #	38
11) Tert butyl alcohol	4.960	59	38946	88.410	ug/l #	82
14) Allyl chloride	4.418	41	3844	1.332	ug/l #	32
16) Acetone	3.948	43	5218	8.758	ug/l	92
20) Methylene Chloride	4.704	84	5807	Below Cal		86
25) 2-Butanone	6.990	43	2850	3.270	ug/l #	82
26) 2,2-Dichloropropane	6.972	77	3526	1.102	ug/l #	54
31) Cyclohexane	7.783	56	3792	1.215	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	13226	4.792	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16684	5.719	ug/l #	16
52) Toluene	10.246	92	17888	3.562	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	66788	42.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66788	82.535	ug/l #	11

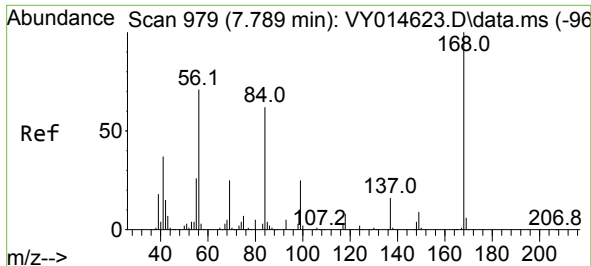
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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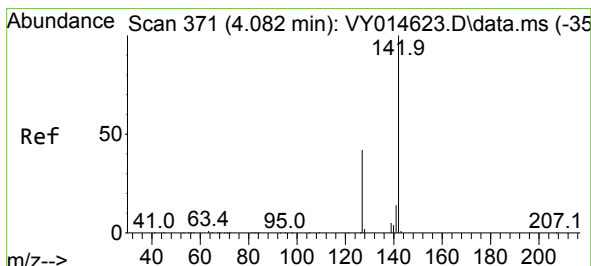
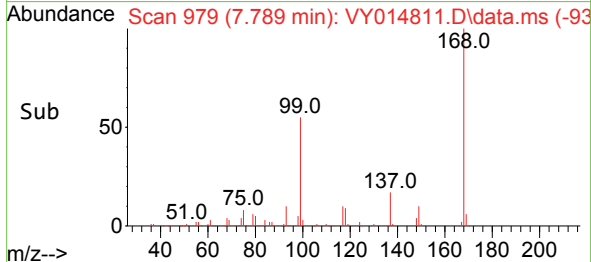
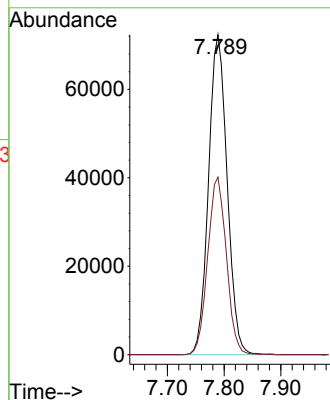
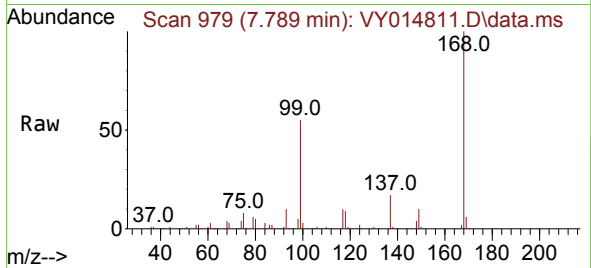




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

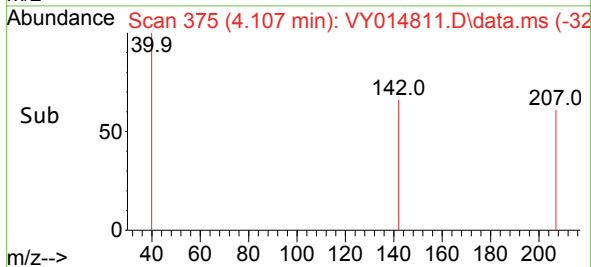
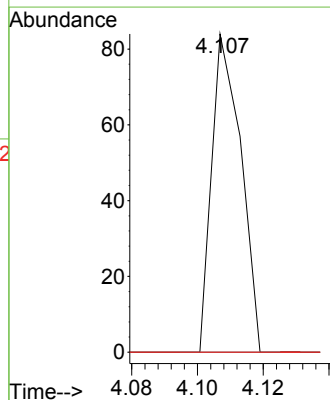
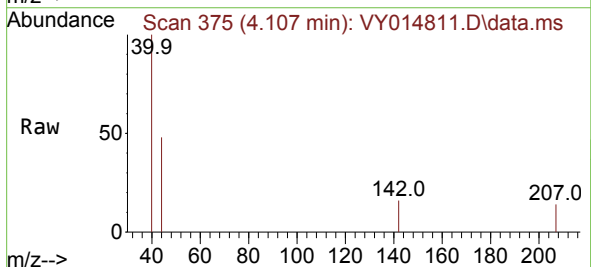
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MSVOA_Y
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1029

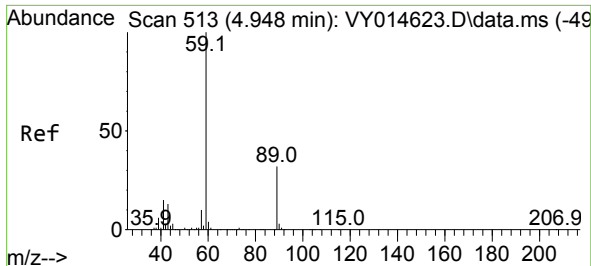
Tgt Ion:168 Resp: 165001
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.396 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

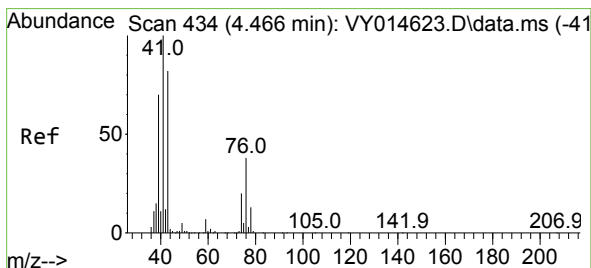
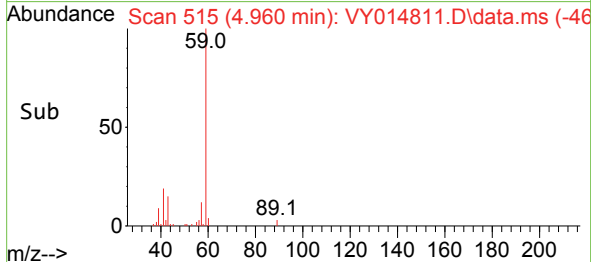
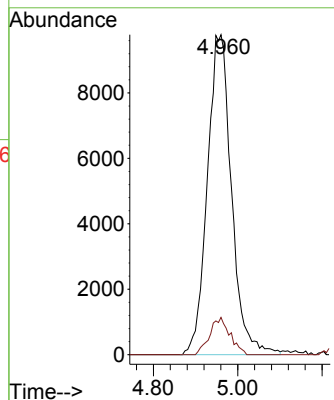
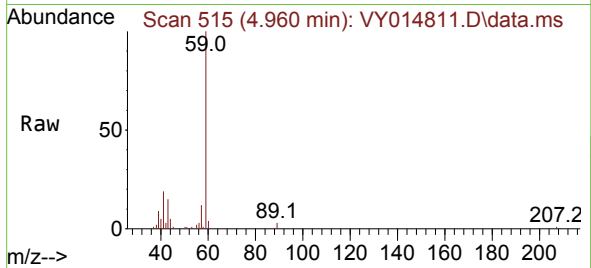




#11
Tert butyl alcohol
Concen: 88.410 ug/l
RT: 4.960 min Scan# 513
Delta R.T. 0.012 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

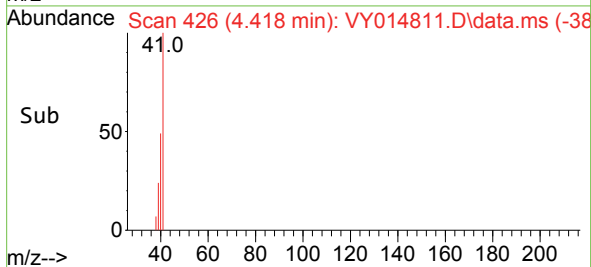
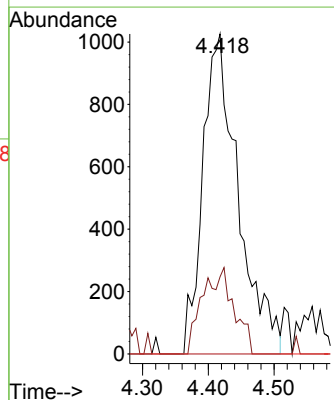
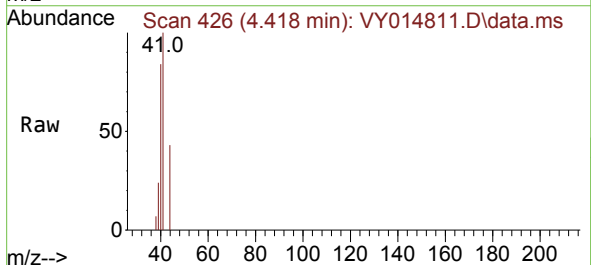
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ClientSampleId :
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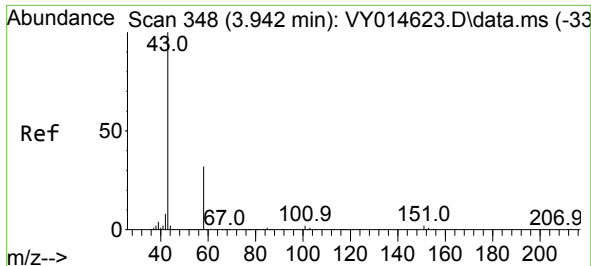
Tgt Ion: 59 Resp: 38946
Ion Ratio Lower Upper
59 100
57 9.8 3.0 4.4#



#14
Allyl chloride
Concen: 1.332 ug/l
RT: 4.418 min Scan# 426
Delta R.T. -0.048 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 41 Resp: 3844
Ion Ratio Lower Upper
41 100
39 11.8 58.0 87.0#
76 0.0 27.4 41.2#





#16

Acetone

Concen: 8.758 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

Instrument :

MSVOA_Y

ClientSampleId :

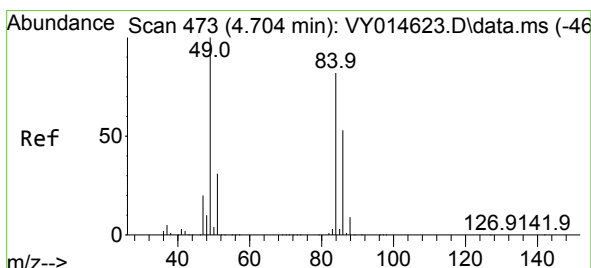
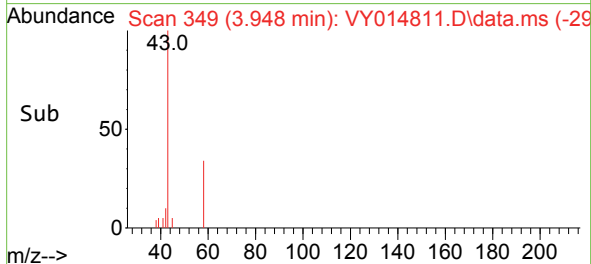
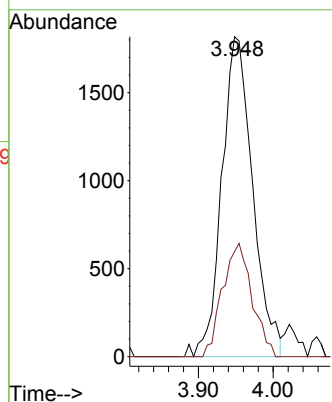
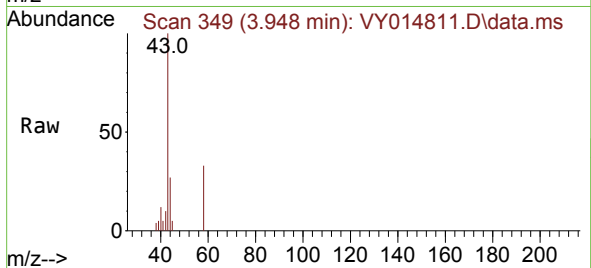
1029

Tgt Ion: 43 Resp: 5218

Ion Ratio Lower Upper

43 100

58 32.8 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

Tgt Ion: 84 Resp: 5807

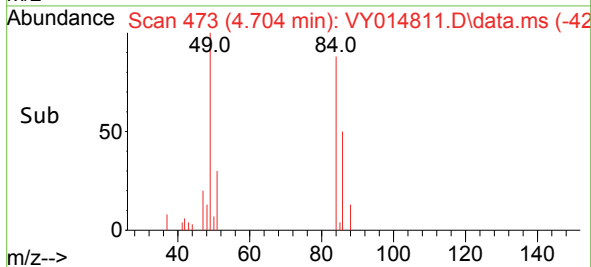
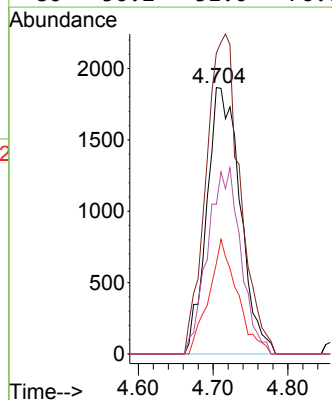
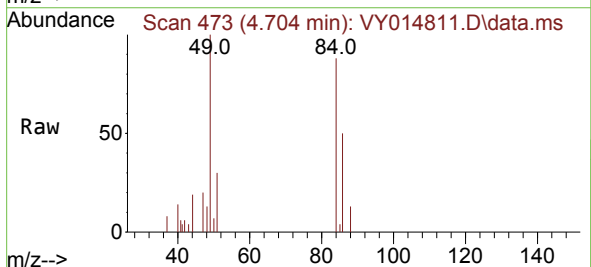
Ion Ratio Lower Upper

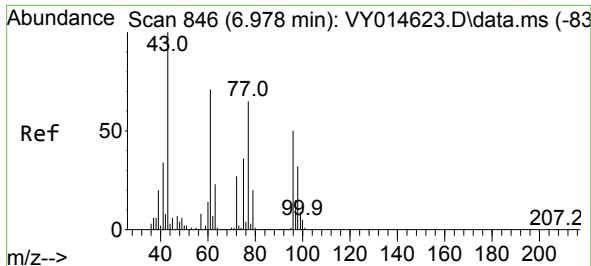
84 100

49 113.0 106.9 160.3

51 34.1 33.2 49.8

86 56.2 51.0 76.6

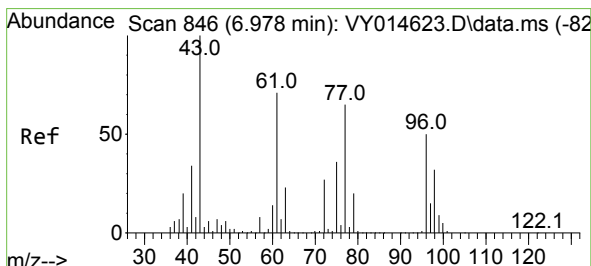
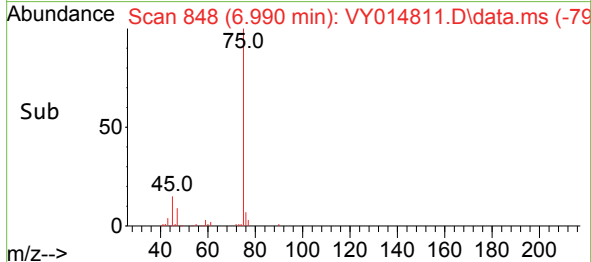
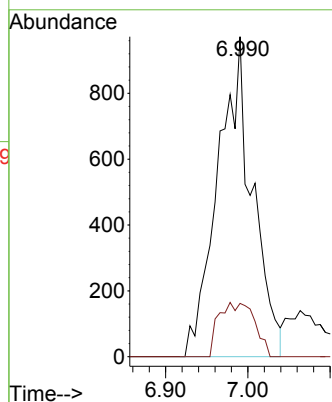
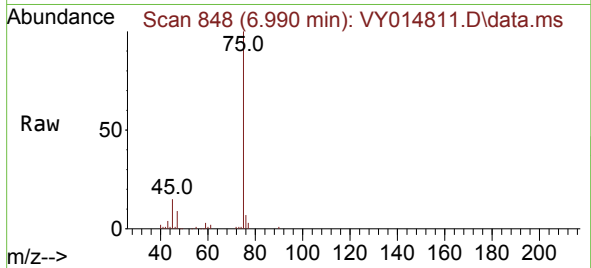




#25
2-Butanone
Concen: 3.270 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

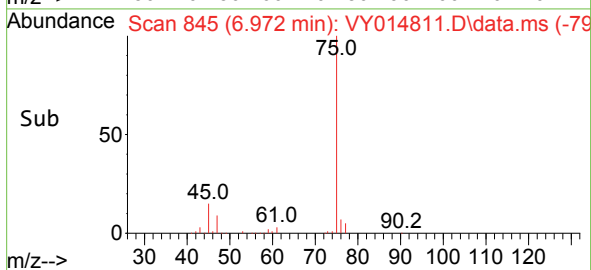
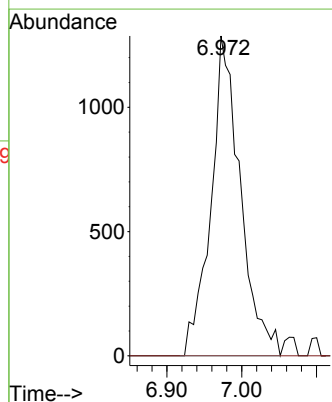
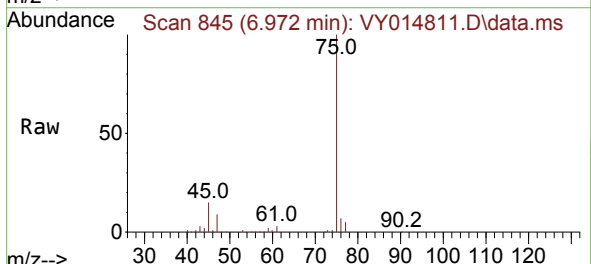
Instrument :
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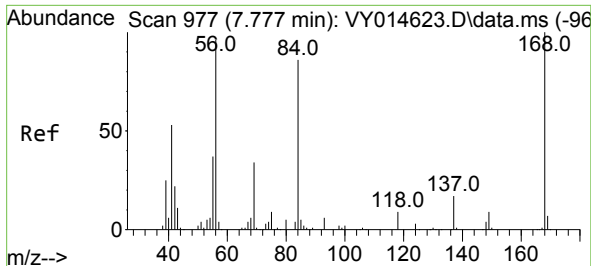
Tgt Ion: 43 Resp: 2850
Ion Ratio Lower Upper
43 100
72 16.7 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.102 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 77 Resp: 3526
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

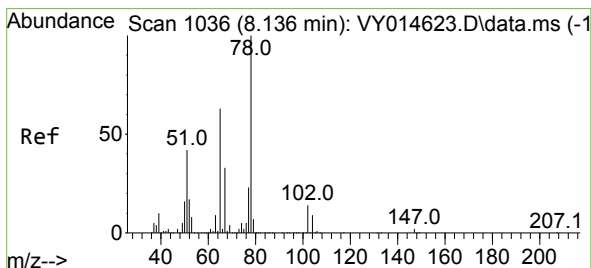
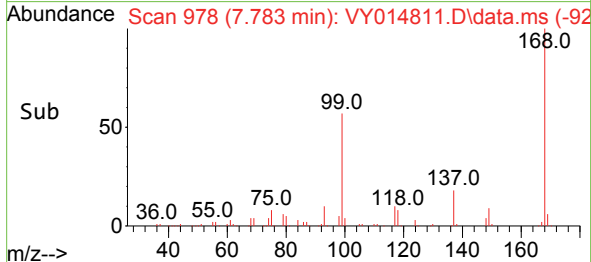
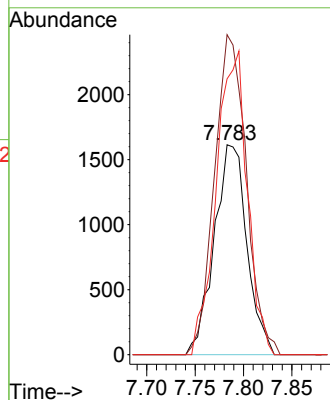
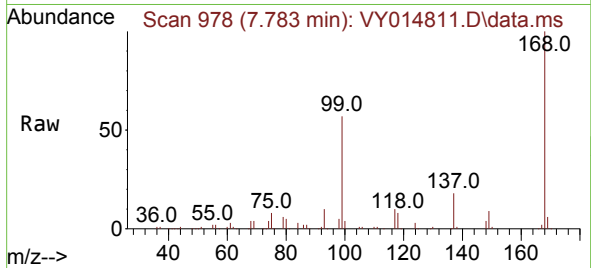




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

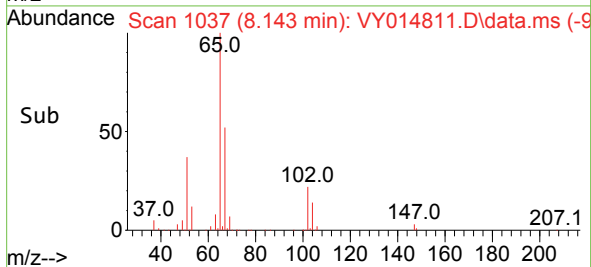
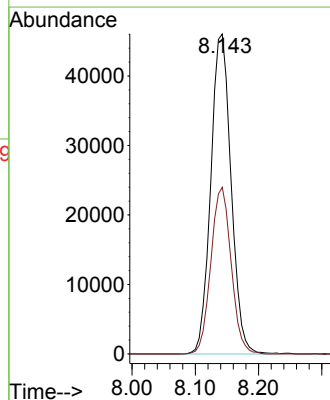
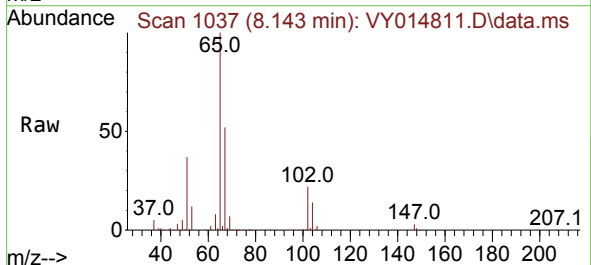
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ClientSampleId :
1029

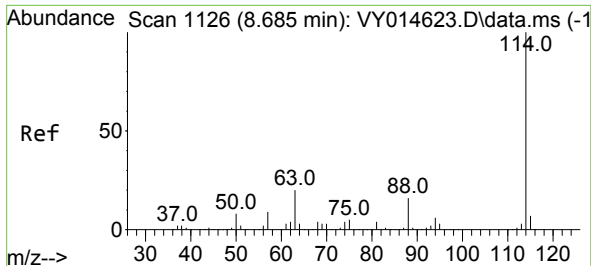
Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 152.5 27.8 41.6#
84 131.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.542 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 65 Resp: 102552
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8

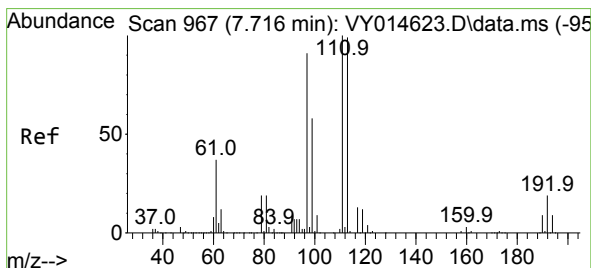
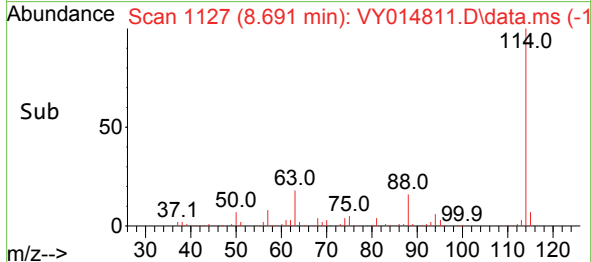
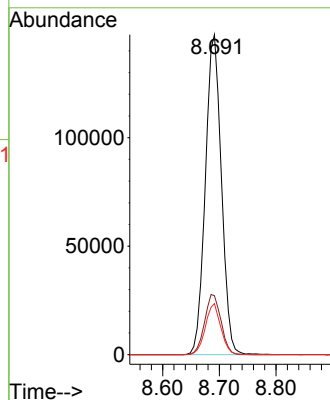
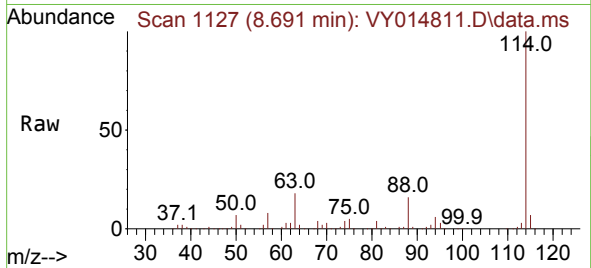




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

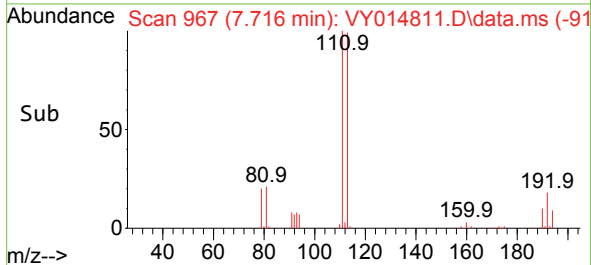
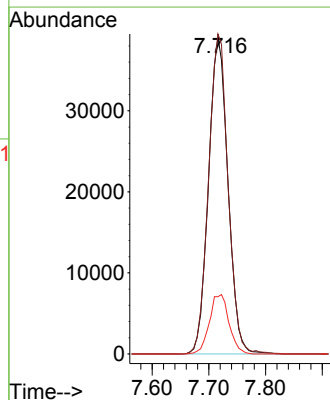
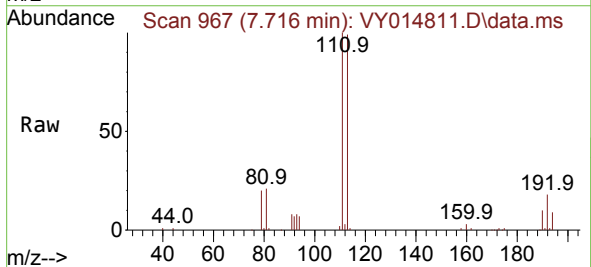
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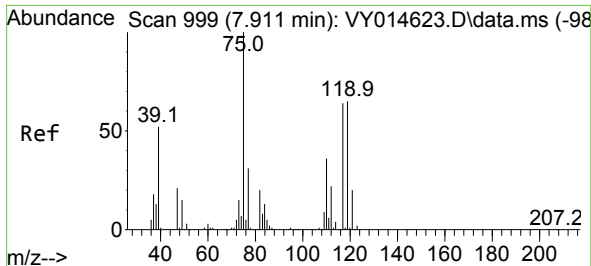
Tgt Ion:114 Resp: 289894
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.261 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion:113 Resp: 92752
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.0 16.9 25.3

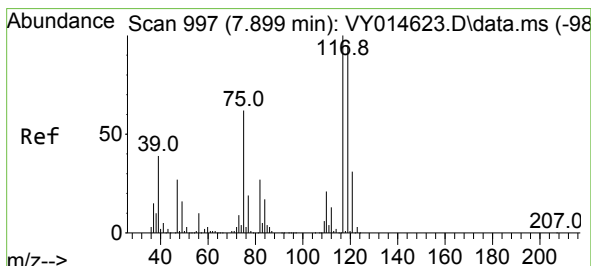
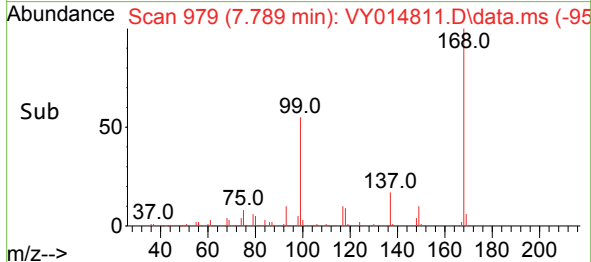
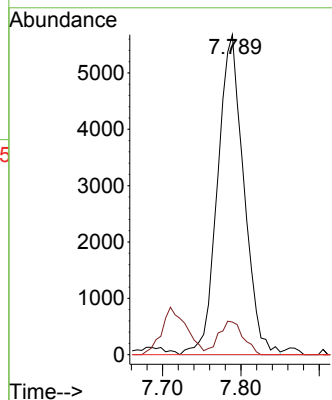
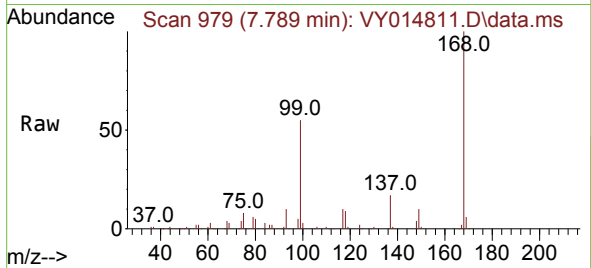




#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 7.789 min Scan# 910
 Delta R.T. -0.122 min
 Lab File: VY014811.D
 Acq: 25 Jul 2023 18:55

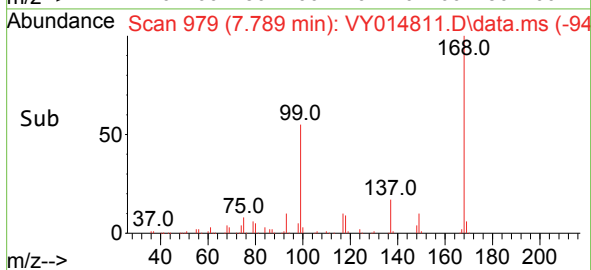
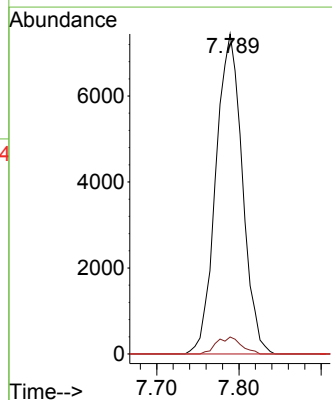
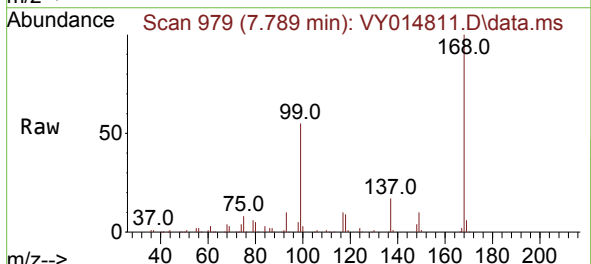
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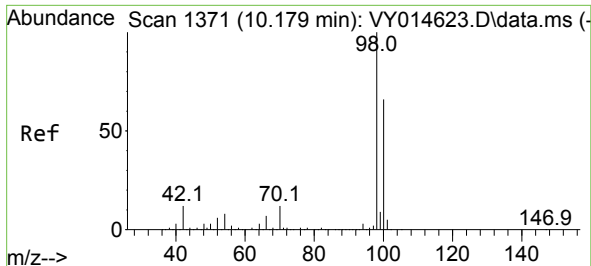
Tgt Ion: 75 Resp: 13226
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.719 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY014811.D
 Acq: 25 Jul 2023 18:55

Tgt Ion: 117 Resp: 16684
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#

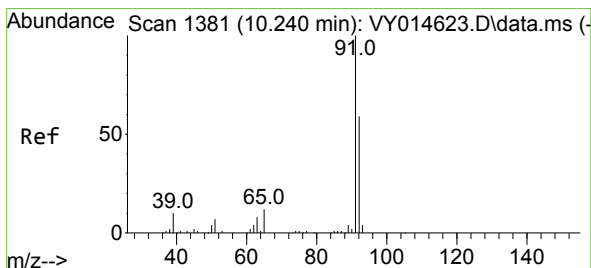
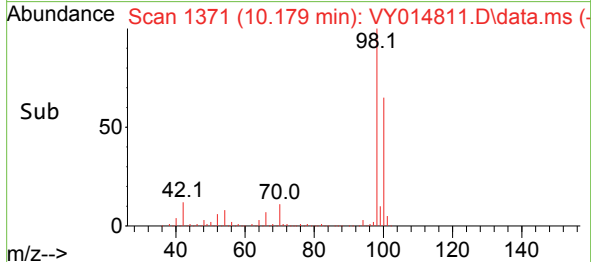
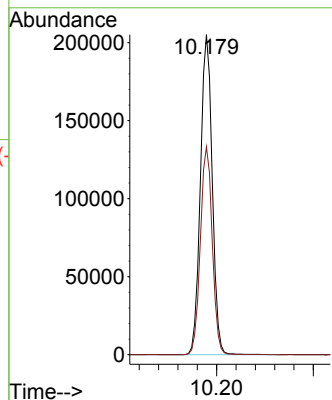
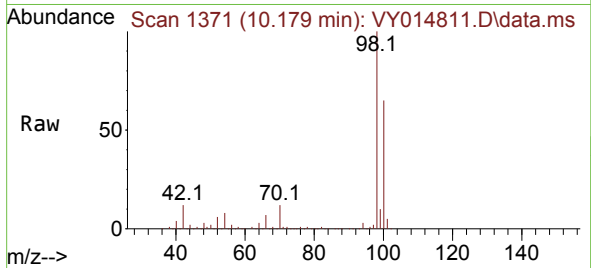




#50
Toluene-d8
Concen: 50.986 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

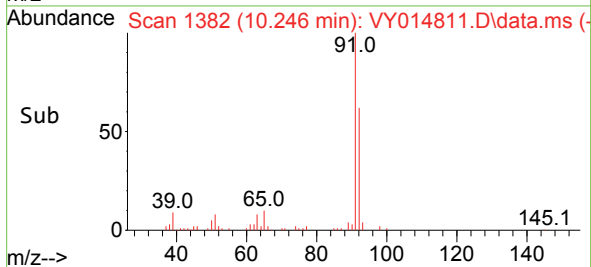
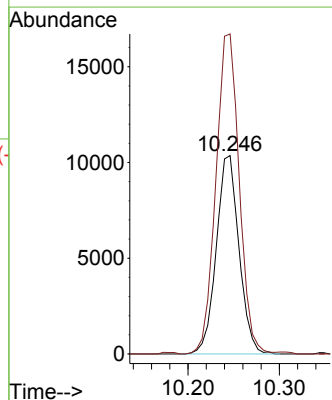
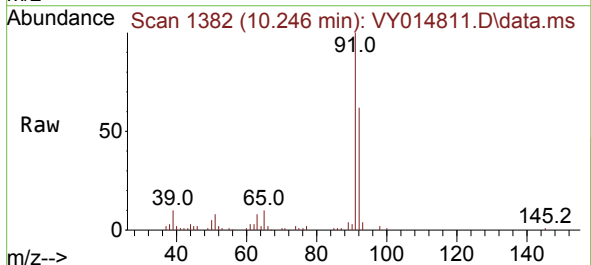
Instrument :
MSVOA_Y
ClientSampleId :
1029

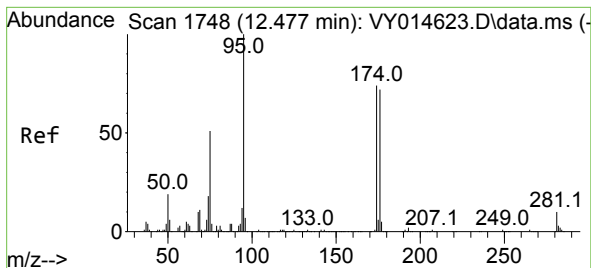
Tgt Ion: 98 Resp: 346884
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#52
Toluene
Concen: 3.562 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 92 Resp: 17888
Ion Ratio Lower Upper
92 100
91 165.9 143.8 215.6

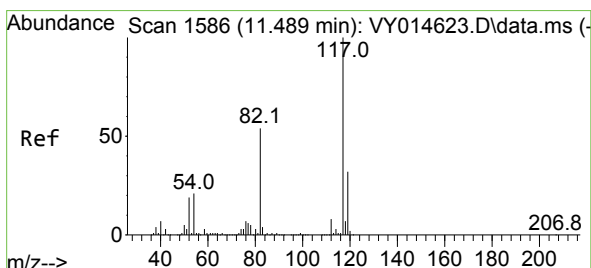
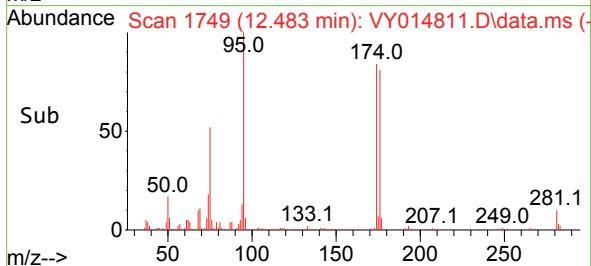
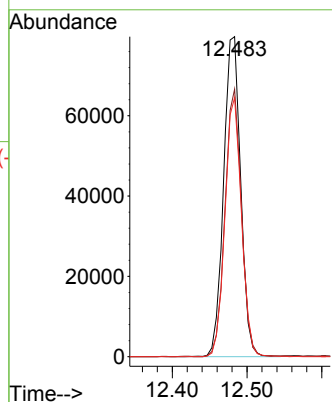
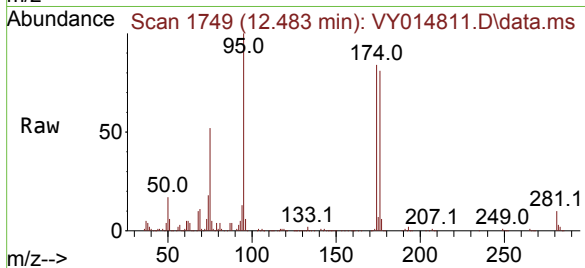




#62
4-Bromofluorobenzene
Concen: 48.599 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

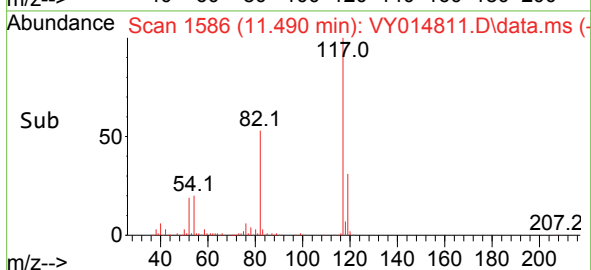
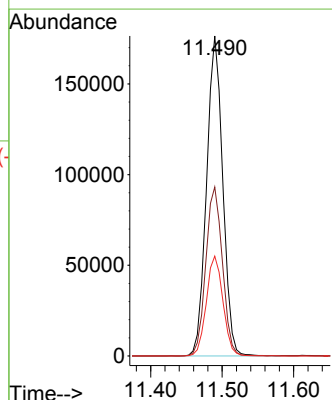
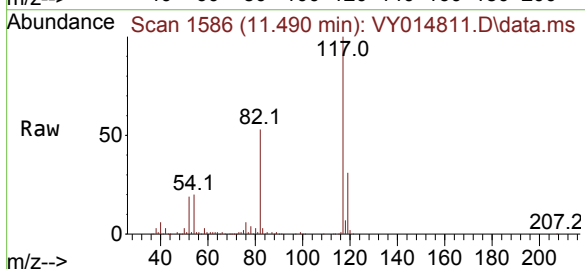
Instrument :
MSVOA_Y
ClientSampleId :
1029

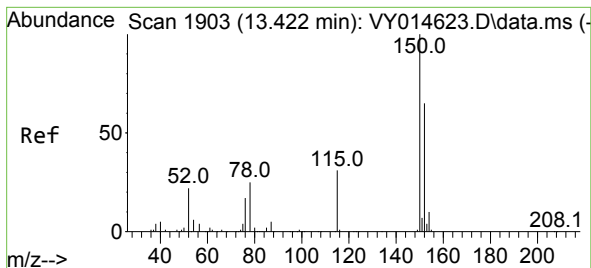
Tgt Ion: 95 Resp: 126783
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 78.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 117 Resp: 277898
Ion Ratio Lower Upper
117 100
82 52.8 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: VY014811.D

Acq: 25 Jul 2023 18:55

Instrument :

MSVOA_Y

ClientSampleId :

1029

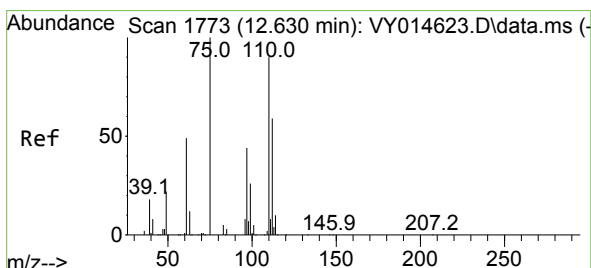
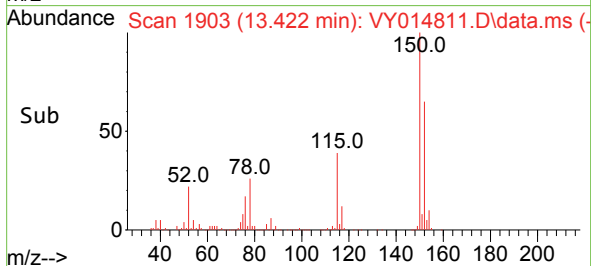
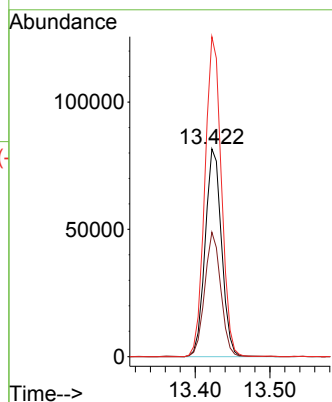
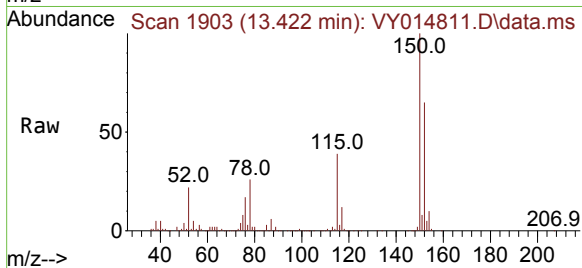
Tgt Ion:152 Resp: 124055

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 155.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.628 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014811.D

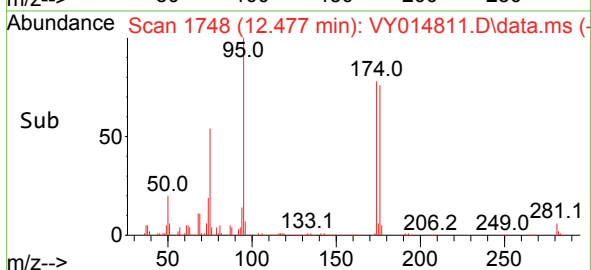
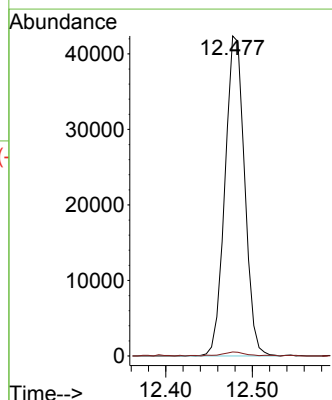
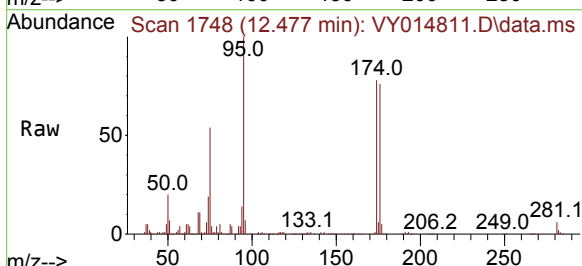
Acq: 25 Jul 2023 18:55

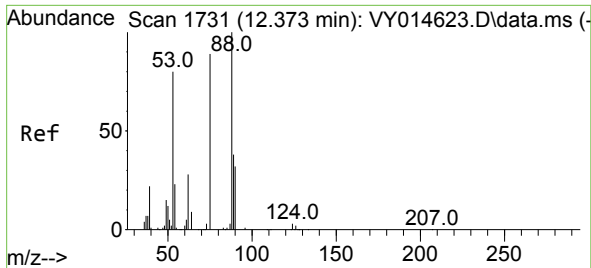
Tgt Ion: 75 Resp: 66788

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.535 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Instrument :
MSVOA_Y
ClientSampleId :
1029

Tgt Ion: 75 Resp: 66788
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

