

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014812.D
 Acq On : 25 Jul 2023 19:18
 Operator : SY/MD
 Sample : 03738-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 80001

Quant Time: Jul 26 01:22:41 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)

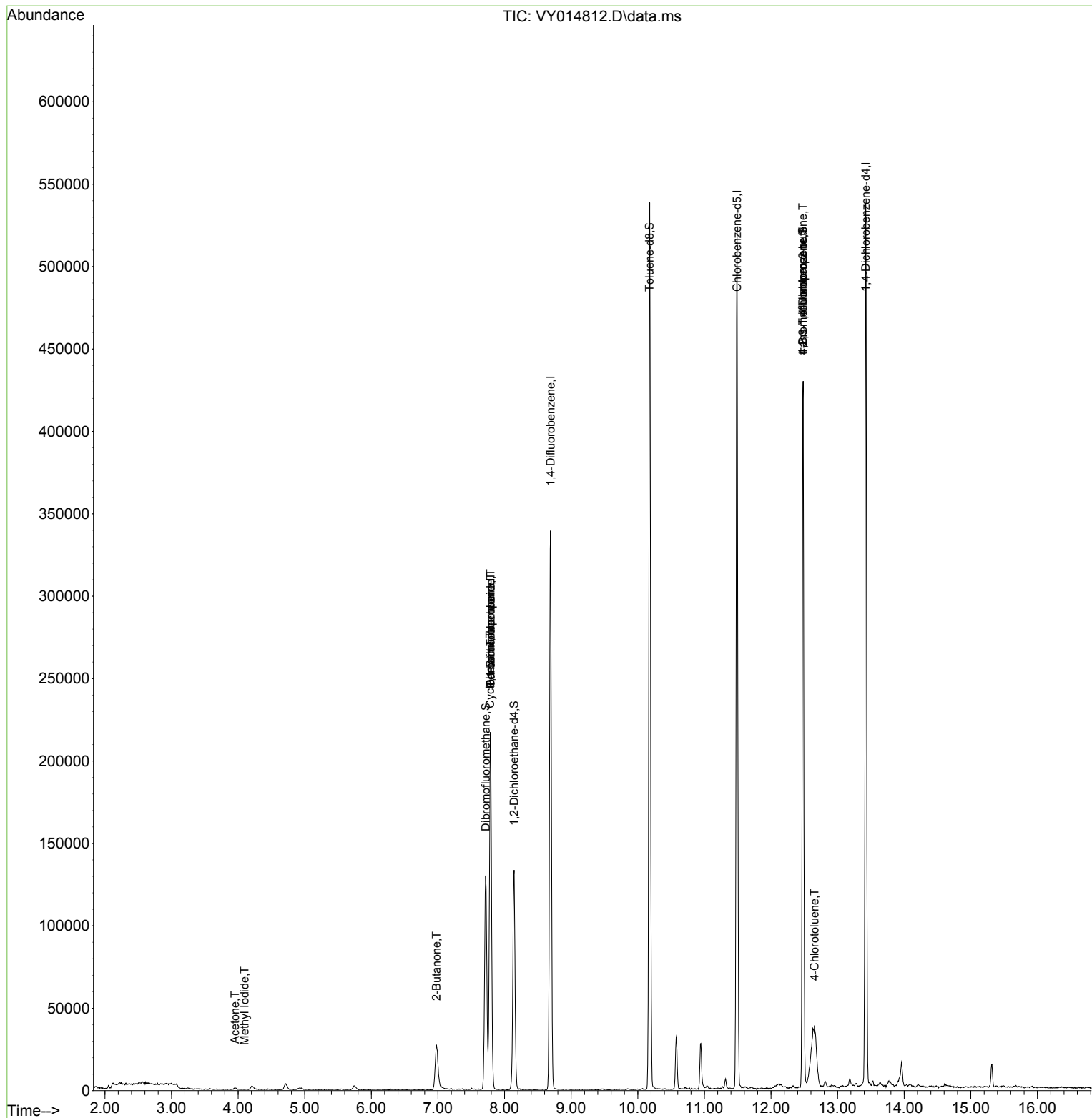
Internal Standards						
1) Pentafluorobenzene	7.789	168	166197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	292769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103304	54.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.100%	
35) Dibromofluoromethane	7.716	113	92132	49.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.880%	
50) Toluene-d8	10.179	98	351322	51.131	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	12.477	95	128493	48.771	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	21	2.380	ug/l #	38
11) Tert butyl alcohol	4.930	59	718	Below Cal	#	89
16) Acetone	3.954	43	1791	2.984	ug/l	89
20) Methylene Chloride	4.716	84	2557	Below Cal	#	83
25) 2-Butanone	6.978	43	1861	2.120	ug/l #	84
31) Cyclohexane	7.783	56	3574	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13016	4.670	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16266	5.521	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	67994	40.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67994	77.542	ug/l #	11
82) 4-Chlorotoluene	12.654	91	7754	1.031	ug/l #	40

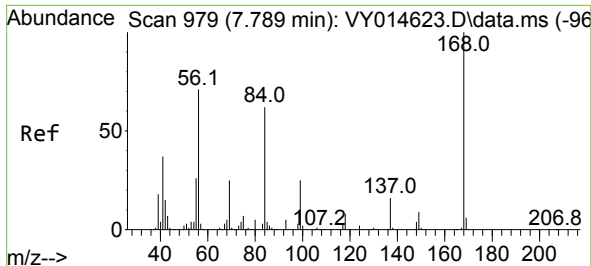
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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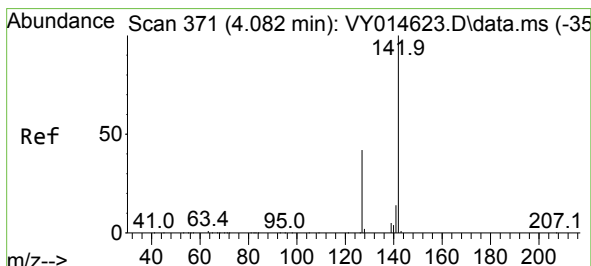
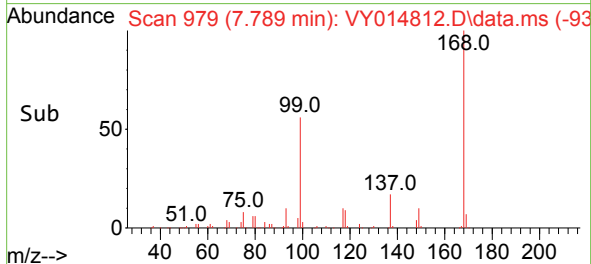
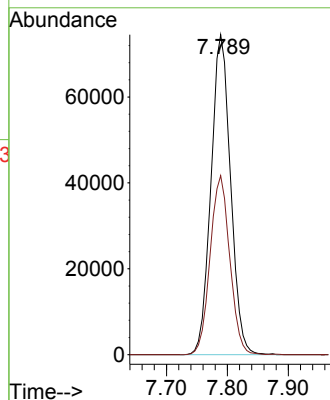
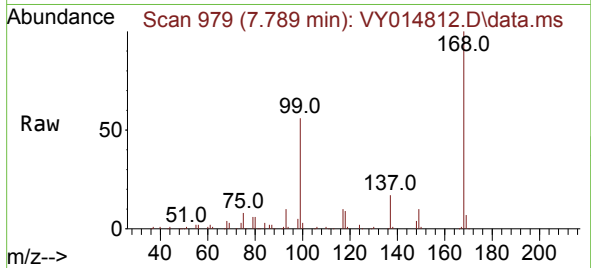




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

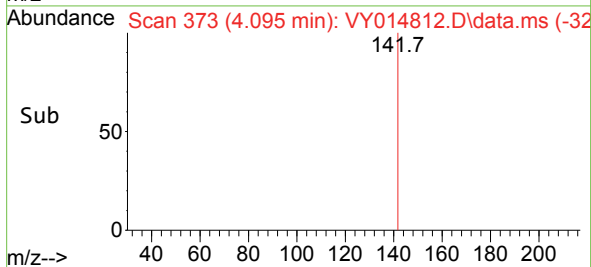
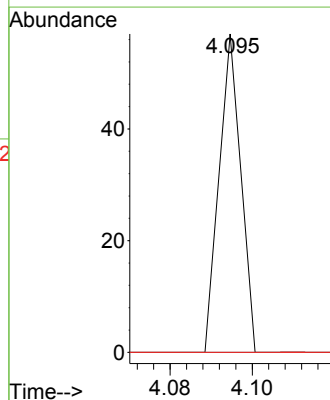
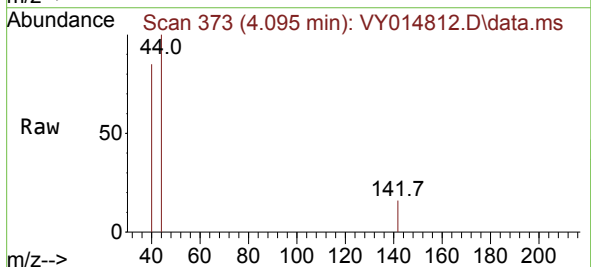
Instrument :
MSVOA_Y
ClientSampleId :
80001

Tgt Ion:168 Resp: 166197
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.380 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 2.984 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014812.D

Acq: 25 Jul 2023 19:18

Instrument :

MSVOA_Y

ClientSampleId :

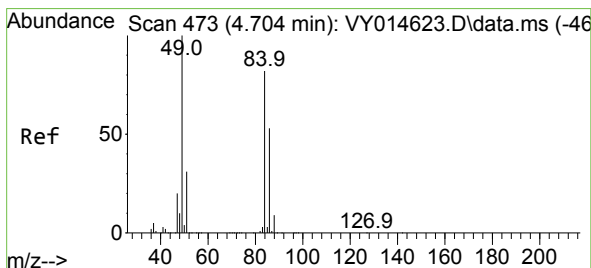
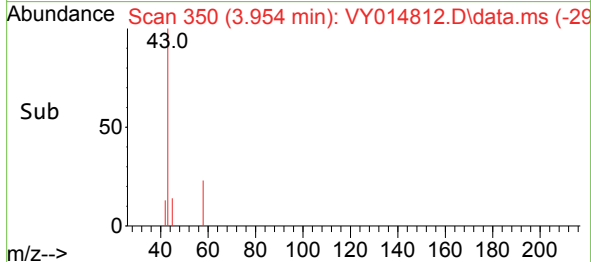
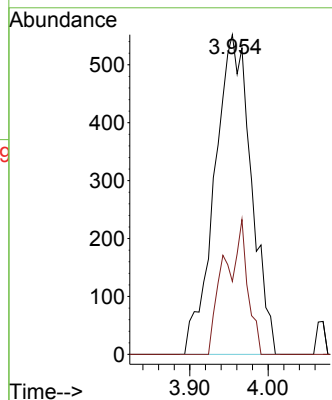
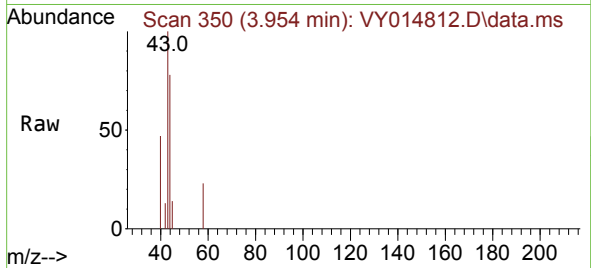
80001

Tgt Ion: 43 Resp: 1791

Ion Ratio Lower Upper

43 100

58 22.8 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY014812.D

Acq: 25 Jul 2023 19:18

Tgt Ion: 84 Resp: 2557

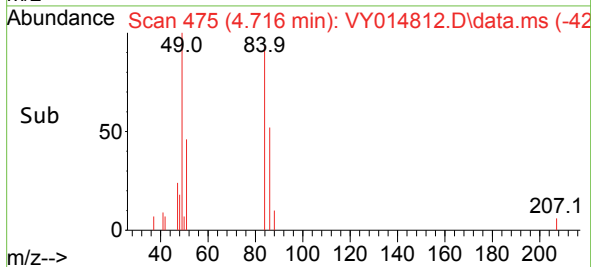
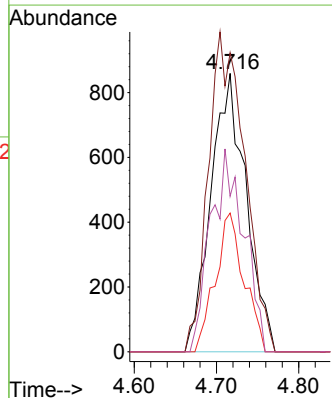
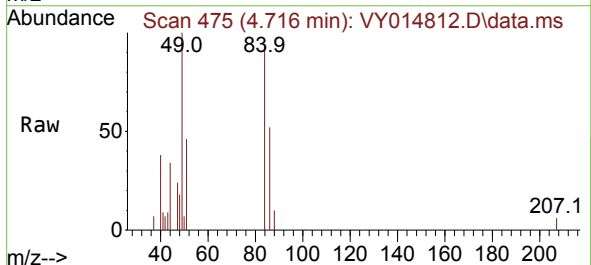
Ion Ratio Lower Upper

84 100

49 107.5 106.9 160.3

51 49.8 33.2 49.8#

86 55.9 51.0 76.6

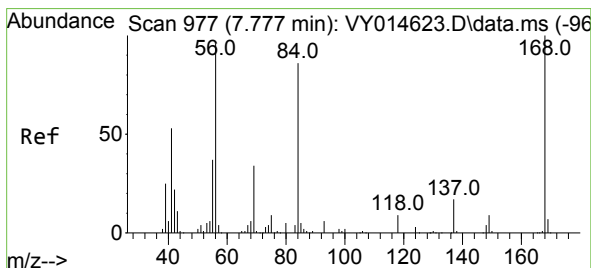
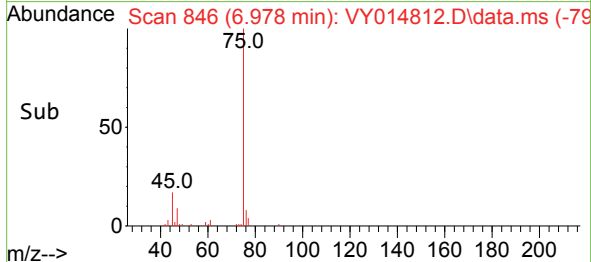
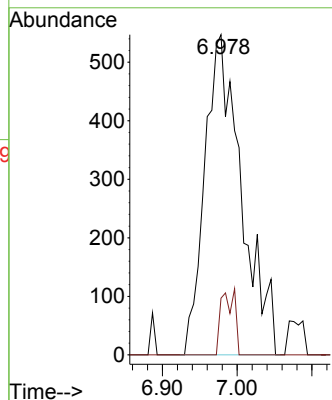
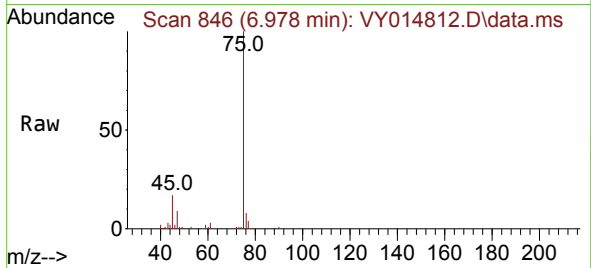




#25
2-Butanone
Concen: 2.120 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

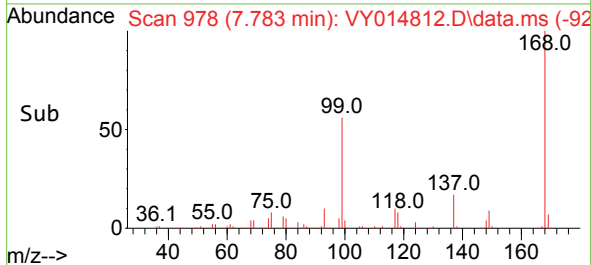
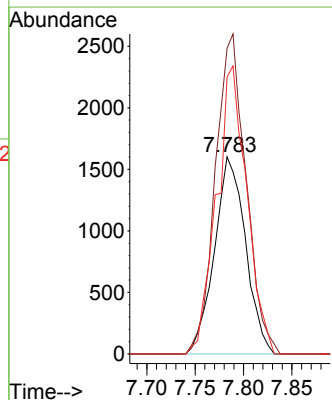
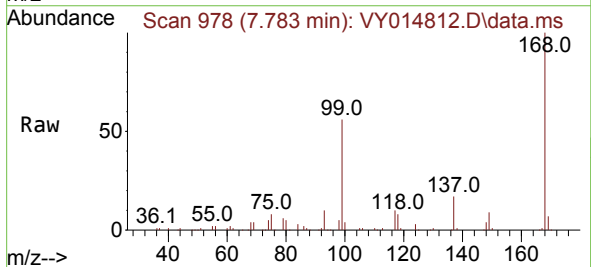
Instrument :
MSVOA_Y
ClientSampleId :
80001

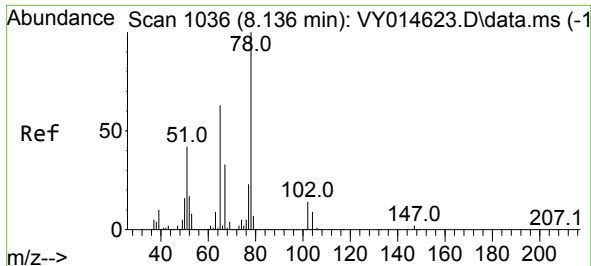
Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
72 17.7 20.5 30.7#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

Tgt Ion: 56 Resp: 3574
Ion Ratio Lower Upper
56 100
69 155.2 27.8 41.6#
84 140.7 66.4 99.6#

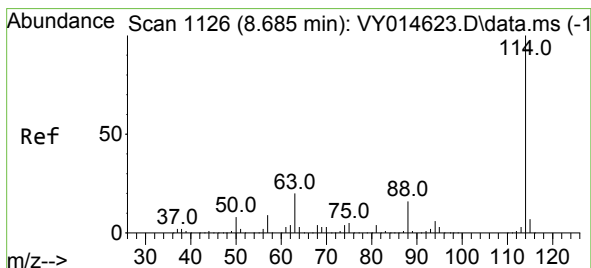
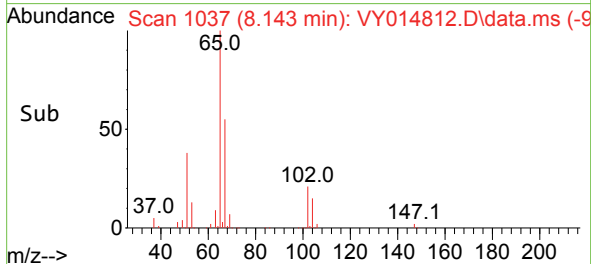
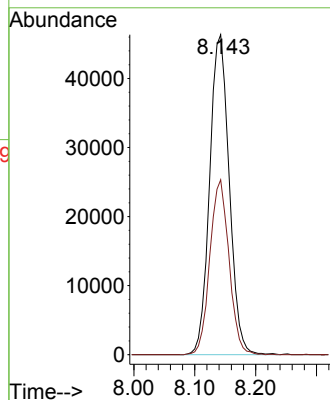
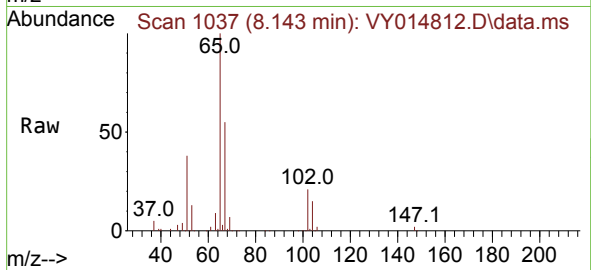




#33
 1,2-Dichloroethane-d4
 Concen: 54.546 ug/l
 RT: 8.143 min Scan# 1103
 Delta R.T. 0.007 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

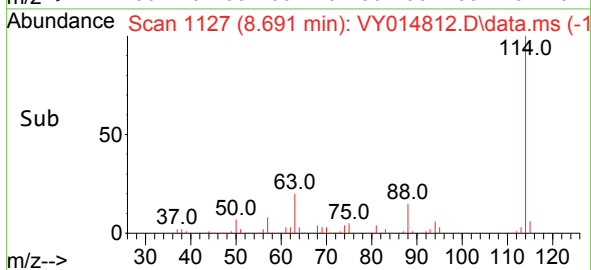
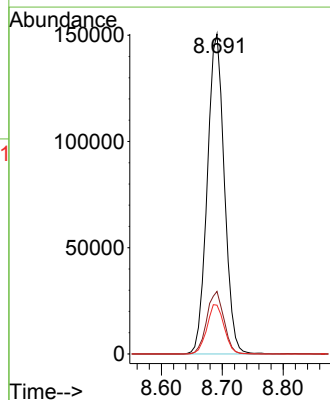
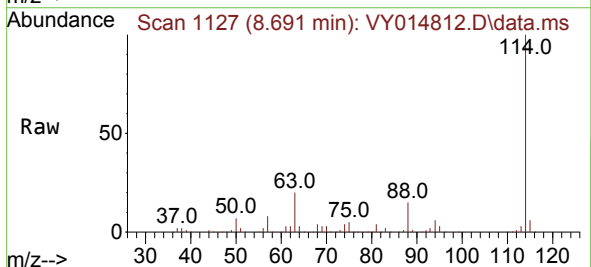
Instrument :
 MSVOA_Y
 ClientSampleId :
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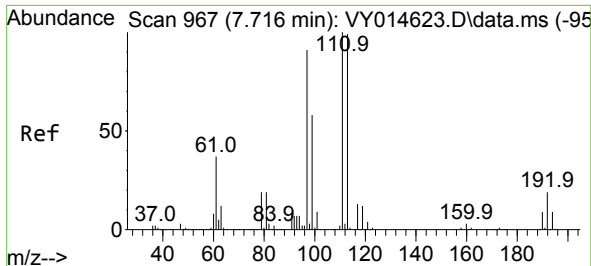
Tgt Ion: 65 Resp: 103304
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

Tgt Ion:114 Resp: 292769
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.3 0.0 30.6

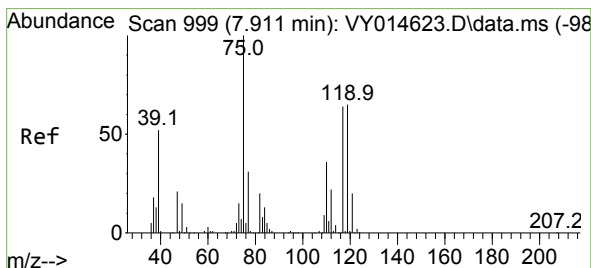
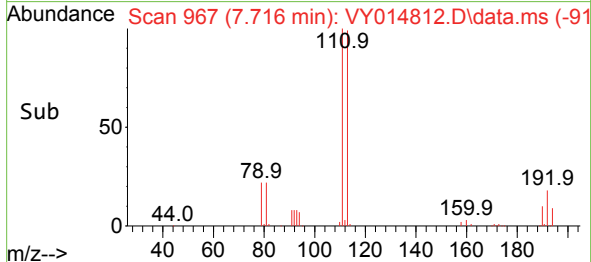
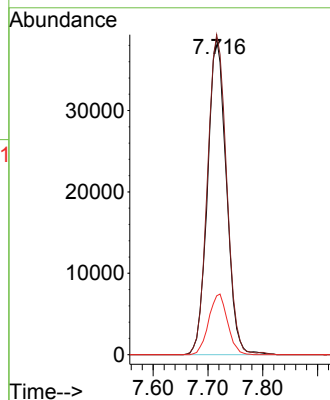
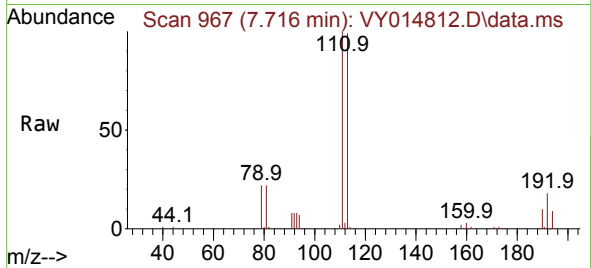




#35
Dibromofluoromethane
Concen: 49.435 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

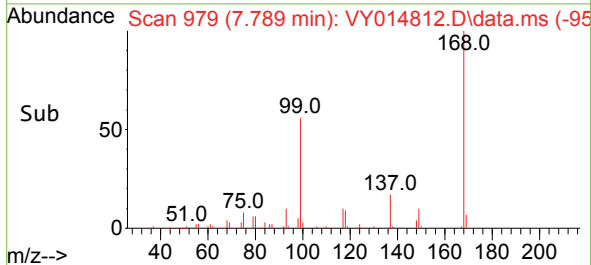
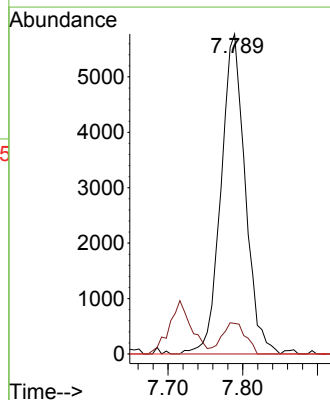
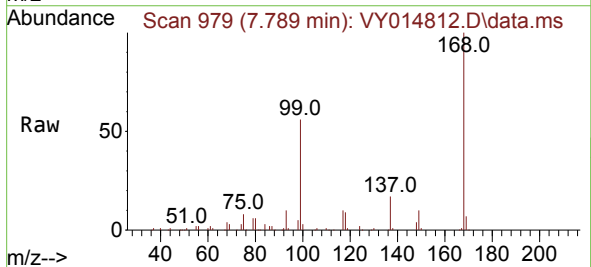
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ClientSampleId :
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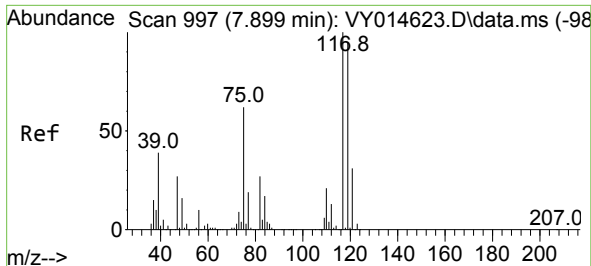
Tgt Ion:113 Resp: 92132
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

Tgt Ion: 75 Resp: 13016
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#

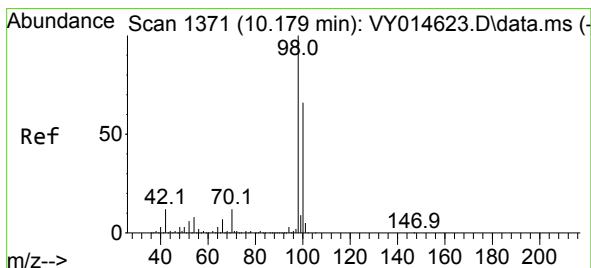
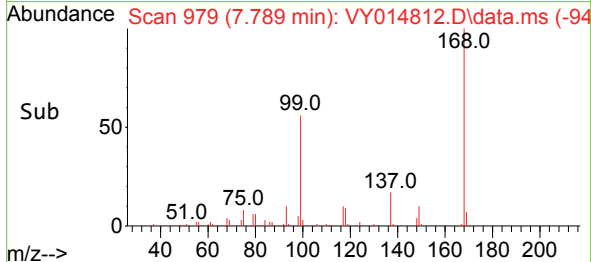
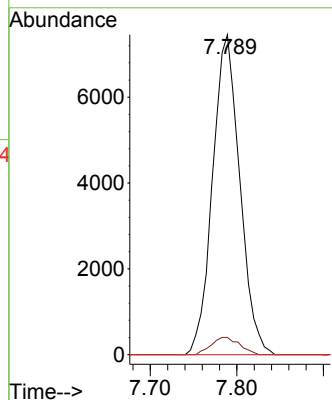
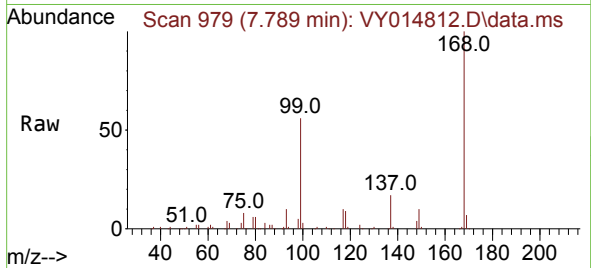




#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

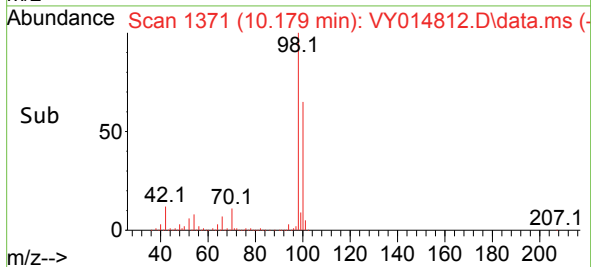
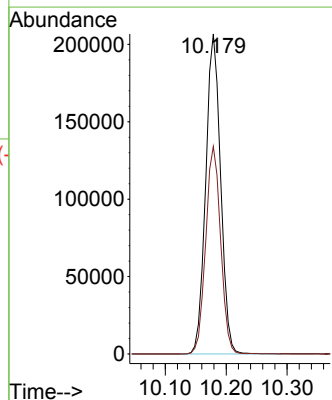
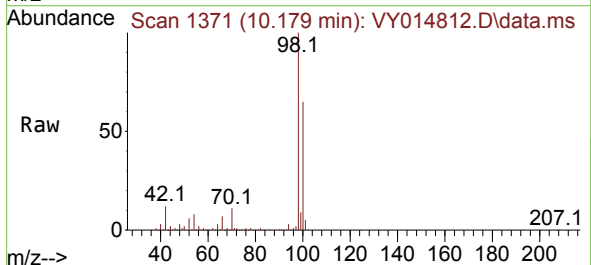
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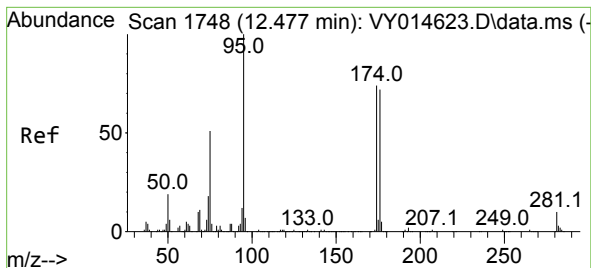
Tgt Ion:117 Resp: 16266
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.131 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

Tgt Ion: 98 Resp: 351322
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

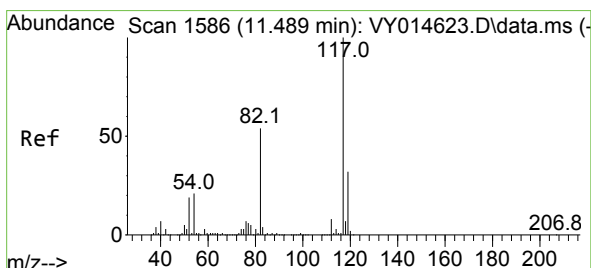
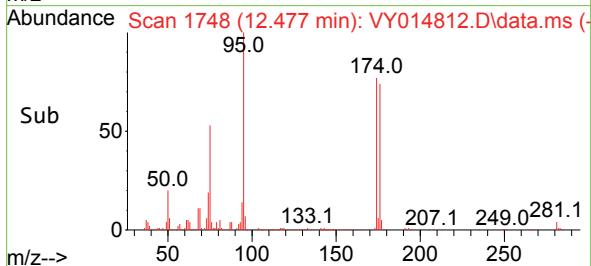
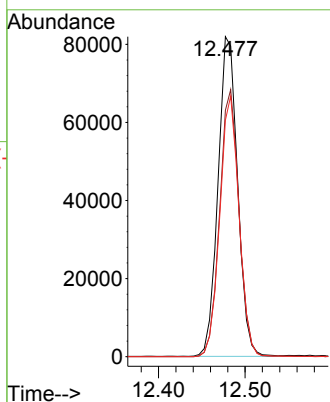
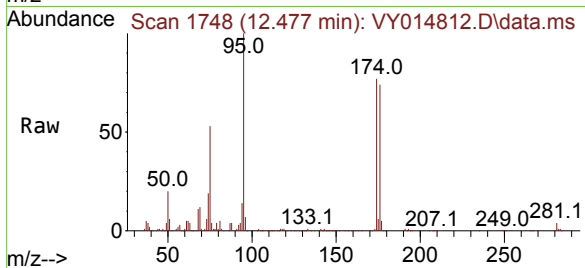




#62
4-Bromofluorobenzene
Concen: 48.771 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

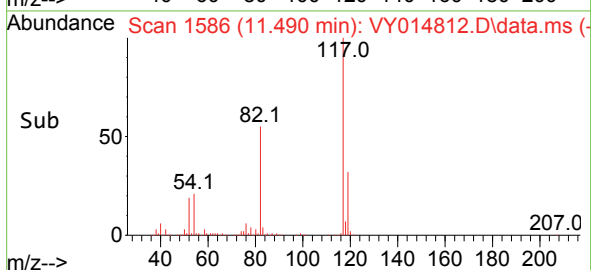
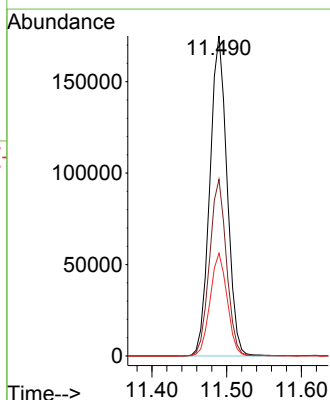
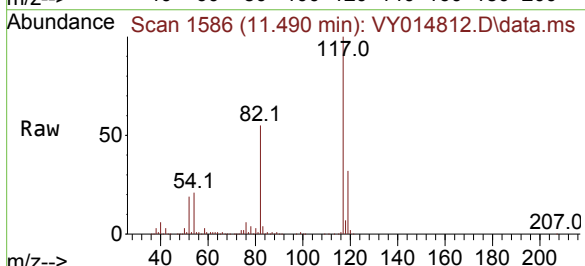
Instrument :
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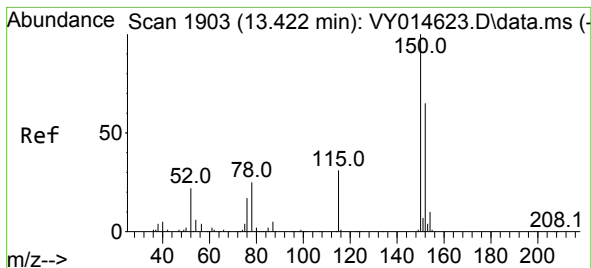
Tgt Ion: 95 Resp: 128493
Ion Ratio Lower Upper
95 100
174 82.6 0.0 178.2
176 80.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014812.D
Acq: 25 Jul 2023 19:18

Tgt Ion: 117 Resp: 280504
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.1 26.3 39.5

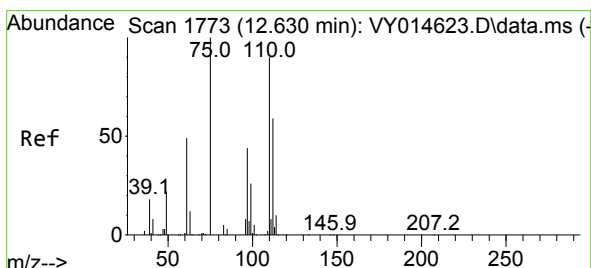
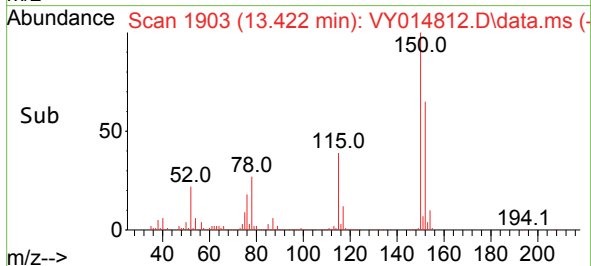
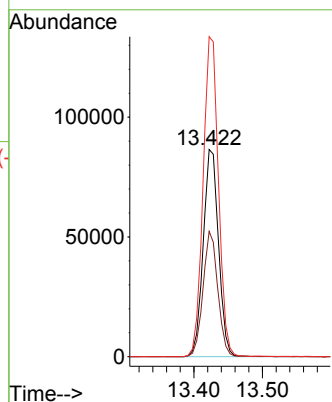
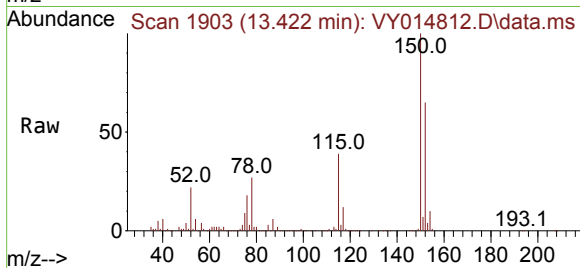




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

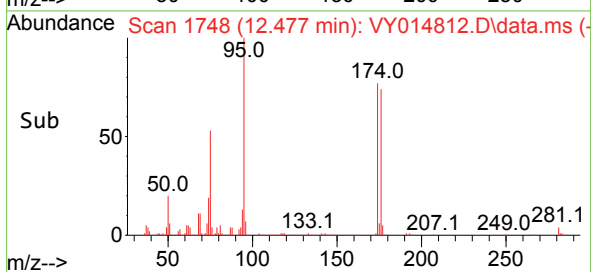
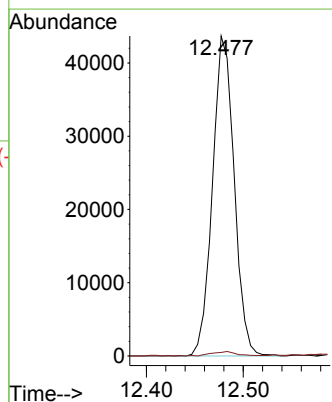
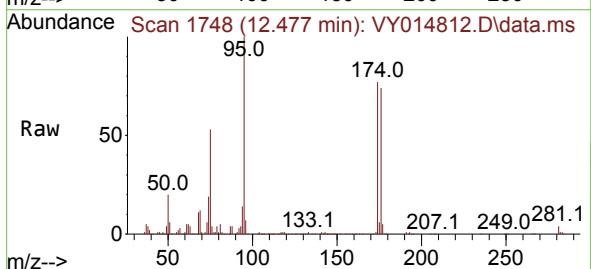
Instrument :
 MSVOA_Y
 ClientSampleId :
 80001

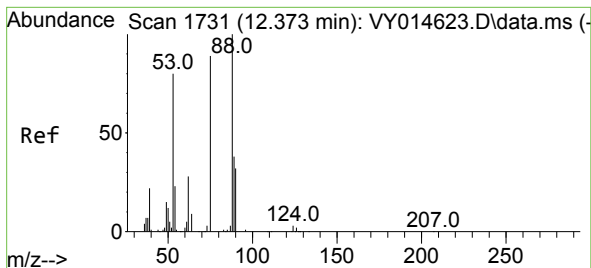
Tgt Ion:152 Resp: 134427
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.8 86.5
 150 155.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.049 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

Tgt Ion: 75 Resp: 67994
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

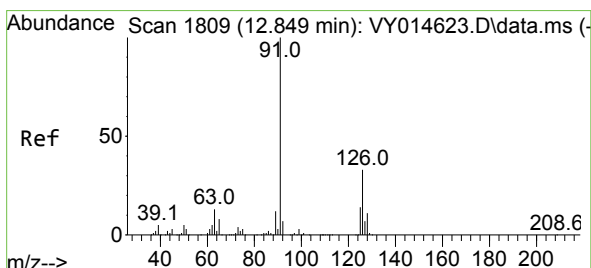
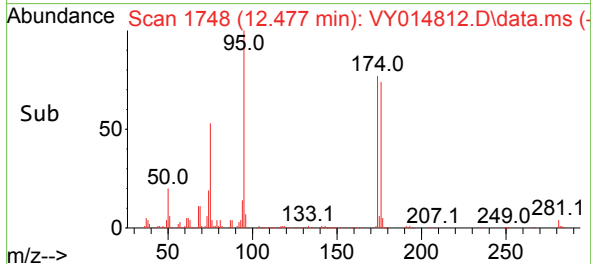
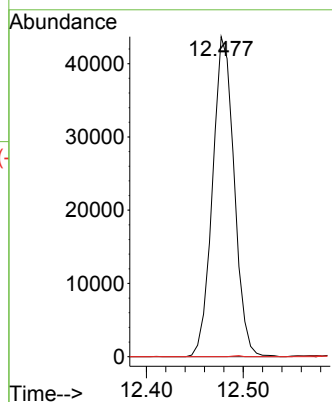
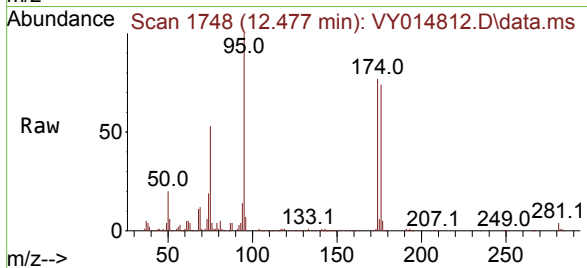




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.542 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 80001

Tgt Ion: 75 Resp: 67994
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#



#82
 4-Chlorotoluene
 Concen: 1.031 ug/l
 RT: 12.654 min Scan# 1777
 Delta R.T. -0.195 min
 Lab File: VY014812.D
 Acq: 25 Jul 2023 19:18

Tgt Ion: 91 Resp: 7754
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.6#

