

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014769.D
 Acq On : 24 Jul 2023 13:56
 Operator : SY/MD
 Sample : 03668-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 332

Quant Time: Jul 24 14:15:52 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)

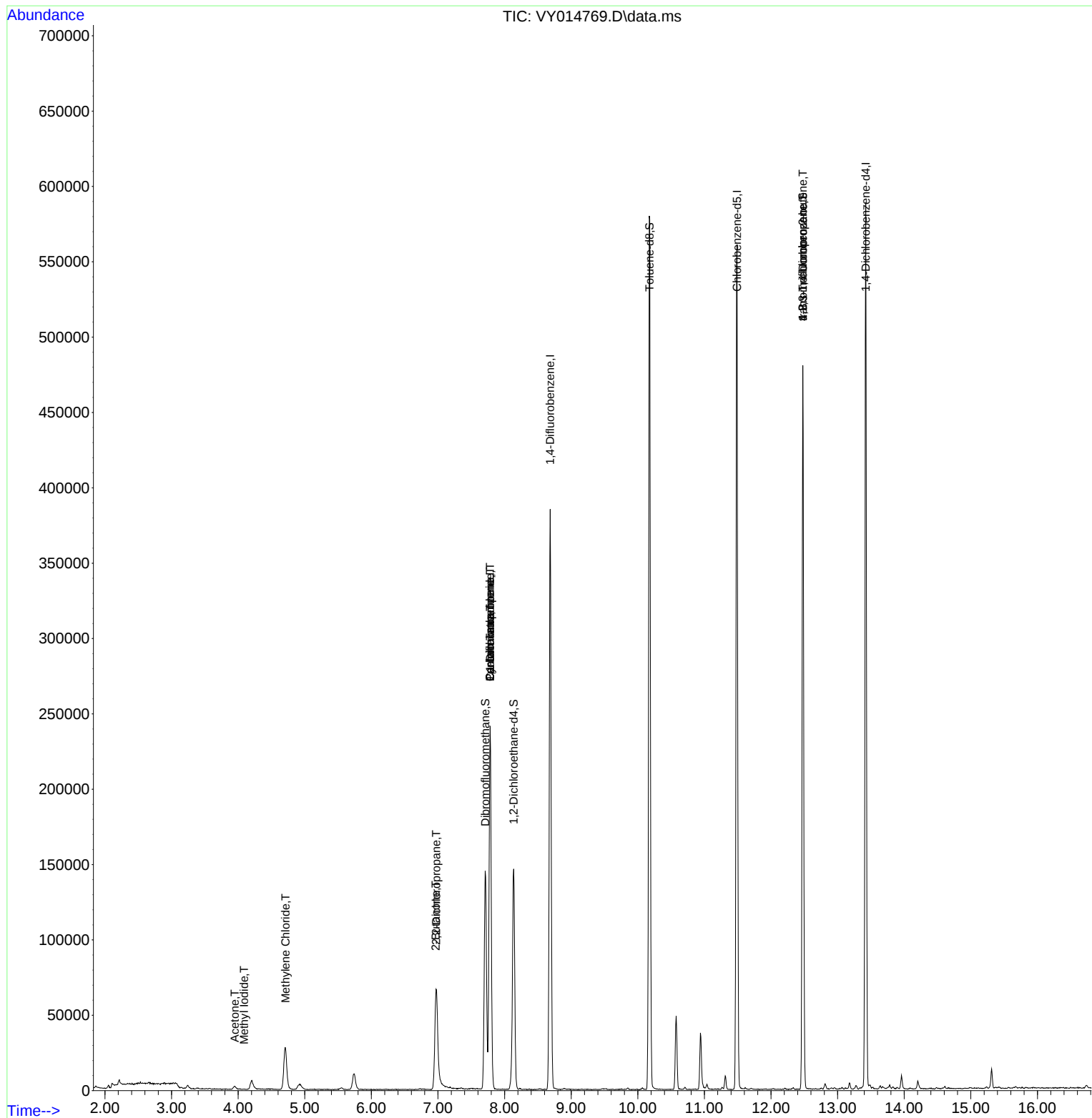
Internal Standards						
1) Pentafluorobenzene	7.783	168	187647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	309289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112480	52.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.200%	
35) Dibromofluoromethane	7.710	113	103852	49.830	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.660%	
50) Toluene-d8	10.179	98	387489	50.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.477	95	143341	48.652	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.300%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	216	2.468	ug/l #	38
11) Tert butyl alcohol	4.924	59	2785	Below Cal	#	89
16) Acetone	3.948	43	3683	5.435	ug/l	95
20) Methylene Chloride	4.710	84	22021	6.314	ug/l	93
25) 2-Butanone	6.966	43	4269	4.306	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	5332	1.466	ug/l #	54
31) Cyclohexane	7.783	56	3990	1.124	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14303	4.589	ug/l #	49
38) Carbon Tetrachloride	7.783	117	18884	5.732	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	74258	40.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74258	78.616	ug/l #	10

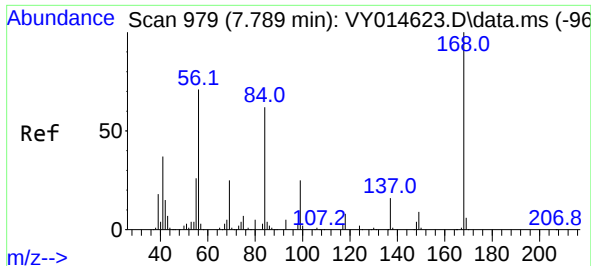
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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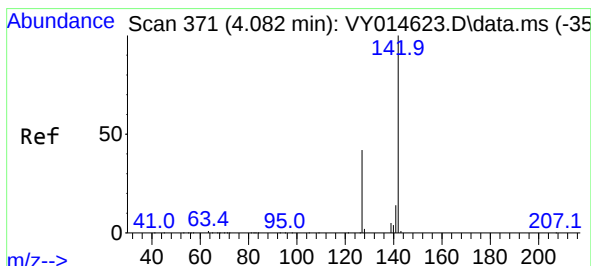
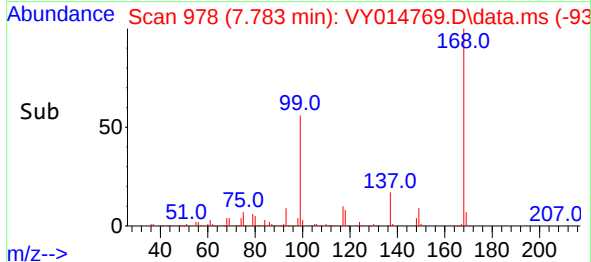
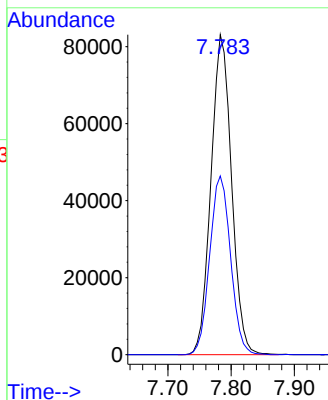
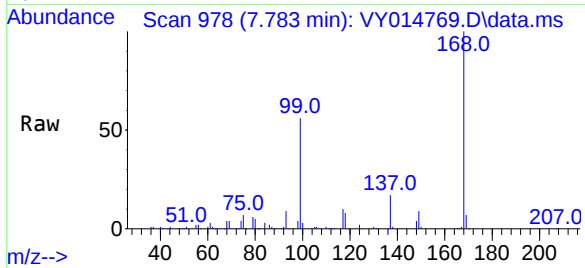




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

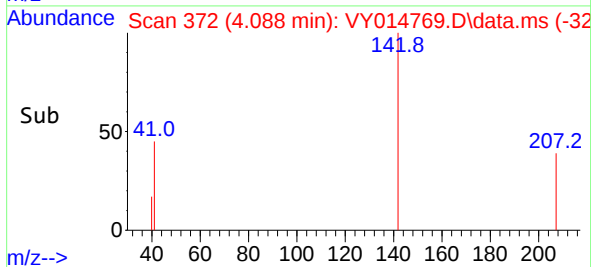
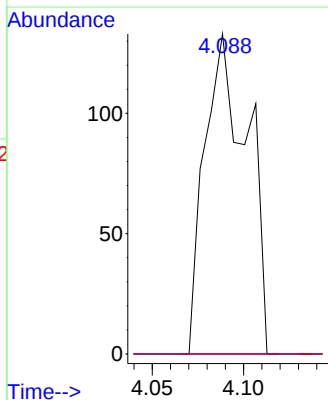
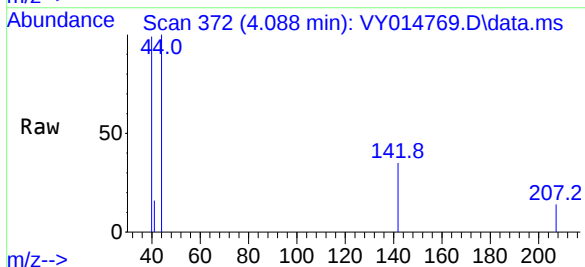
Instrument :
MSVOA_Y
ClientSampleId :
332

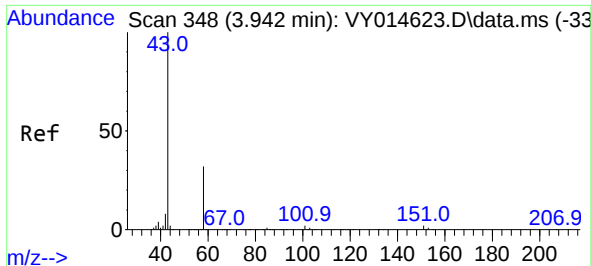
Tgt Ion:168 Resp: 187647
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.468 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion:142 Resp: 216
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

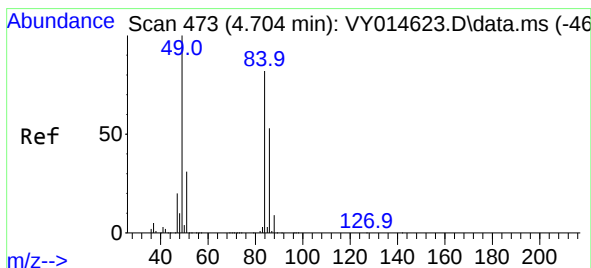
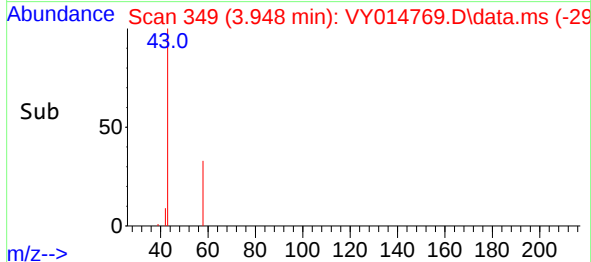
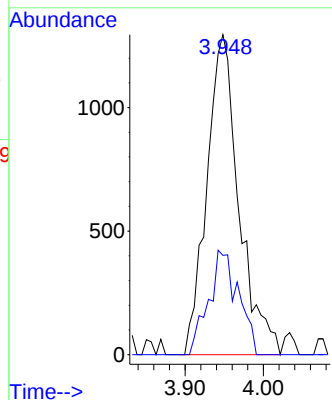
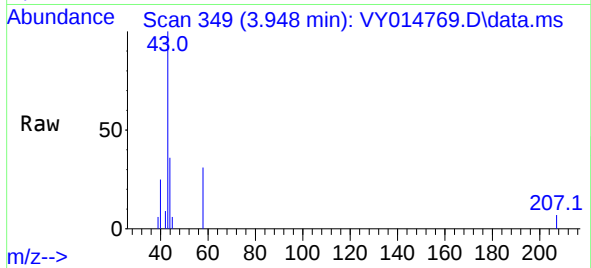




#16
Acetone
Concen: 5.435 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

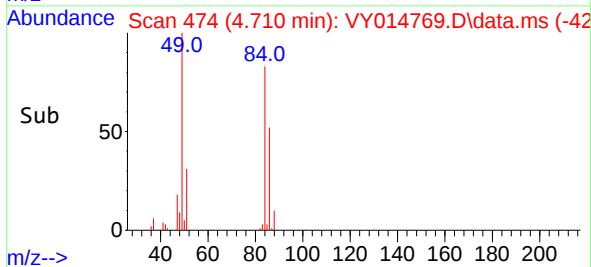
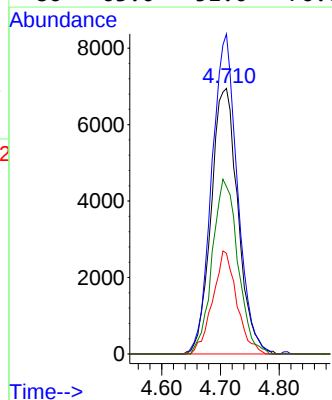
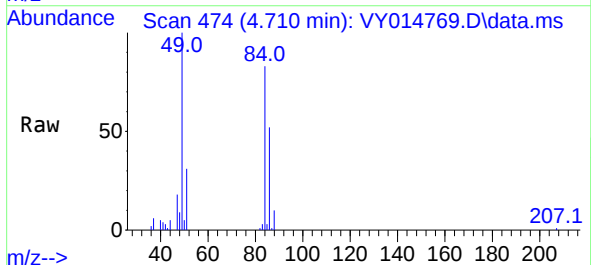
Instrument :
MSVOA_Y
ClientSampleId :
332

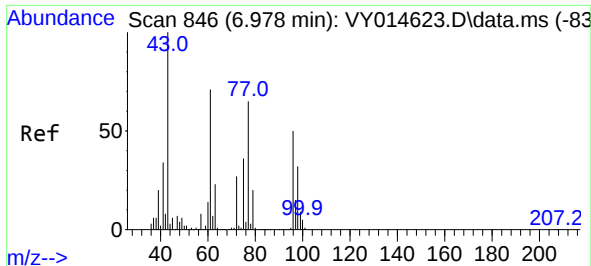
Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
58 31.0 22.7 34.1



#20
Methylene Chloride
Concen: 6.314 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 84 Resp: 22021
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 37.9 33.2 49.8
86 63.0 51.0 76.6

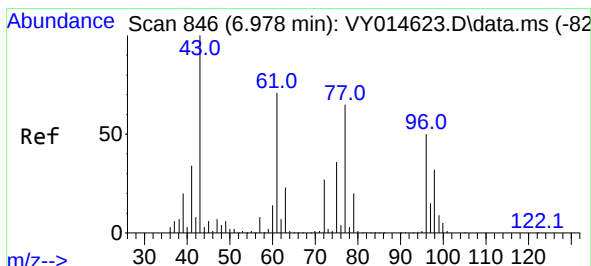
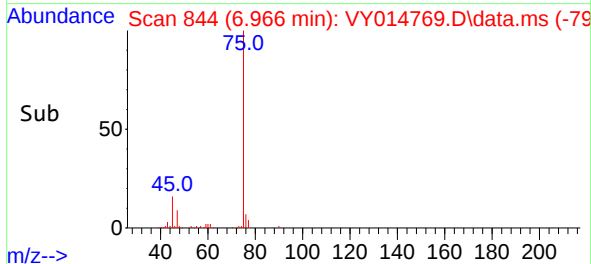
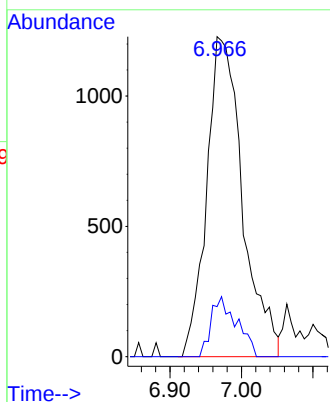
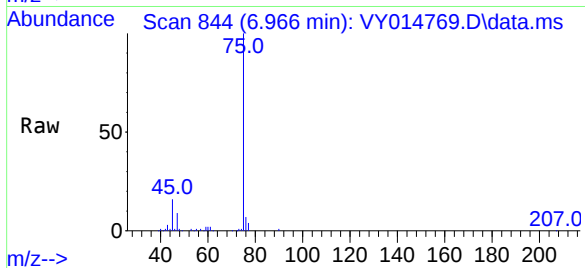




#25
2-Butanone
Concen: 4.306 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

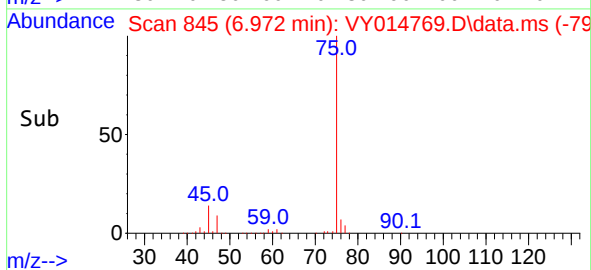
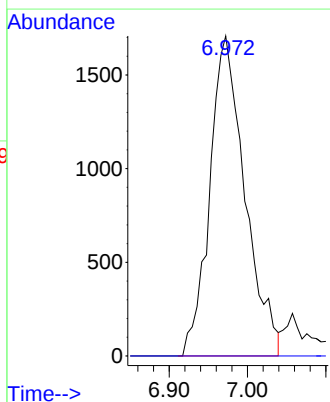
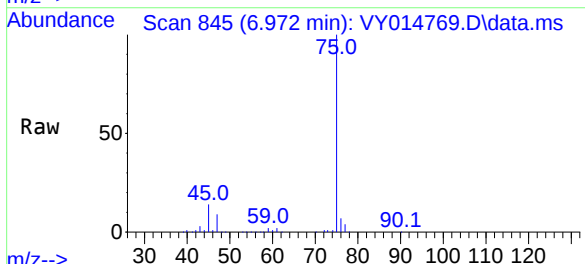
Instrument :
MSVOA_Y
ClientSampleId :
332

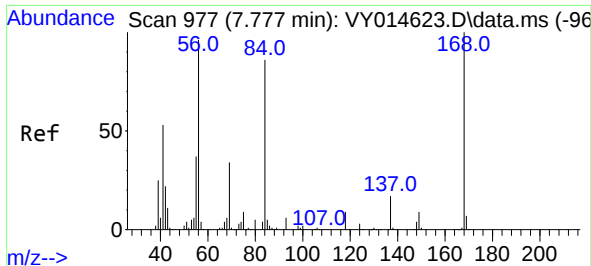
Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
72 15.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.466 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 77 Resp: 5332
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

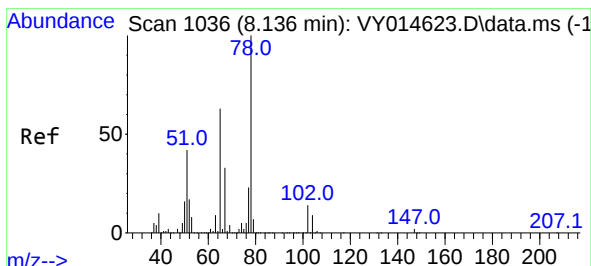
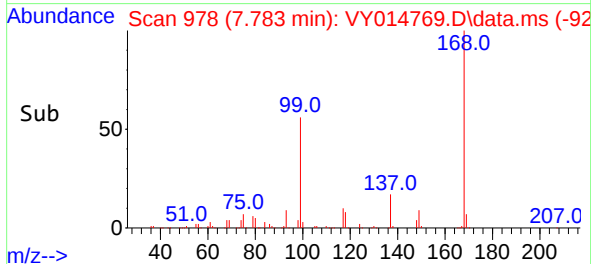
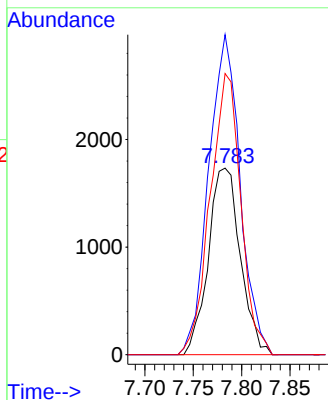
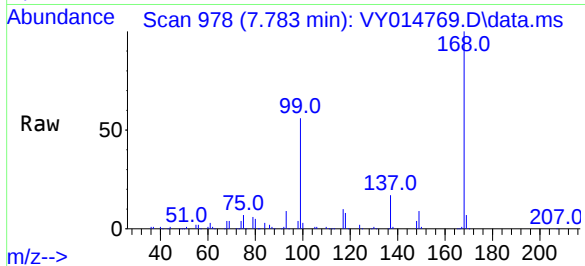




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

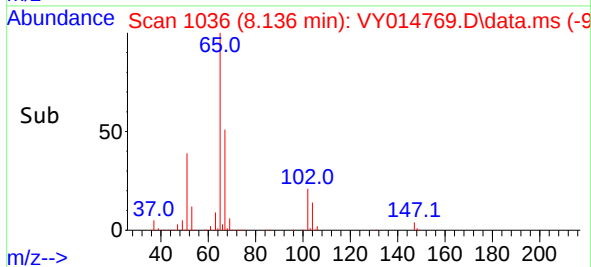
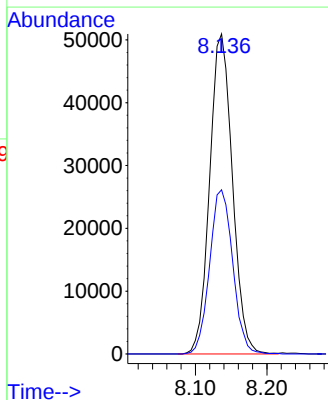
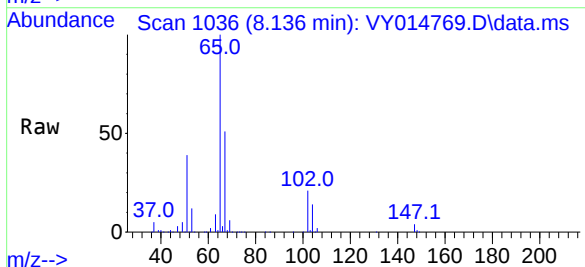
Instrument :
MSVOA_Y
ClientSampleId :
332

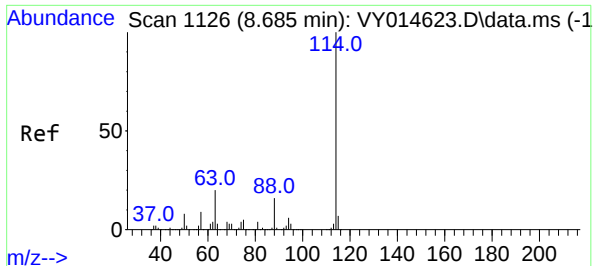
Tgt Ion: 56 Resp: 3990
Ion Ratio Lower Upper
56 100
69 171.5 27.8 41.6#
84 150.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.602 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 65 Resp: 112480
Ion Ratio Lower Upper
65 100
67 52.2 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: VY014769.D

Acq: 24 Jul 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

332

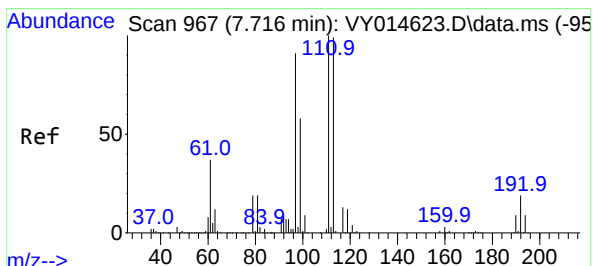
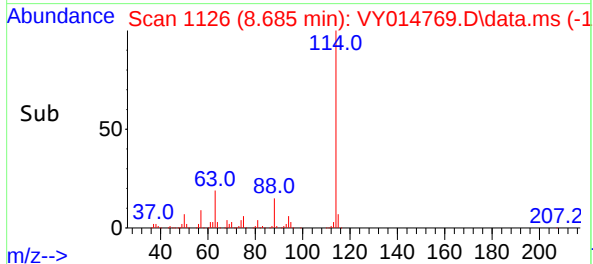
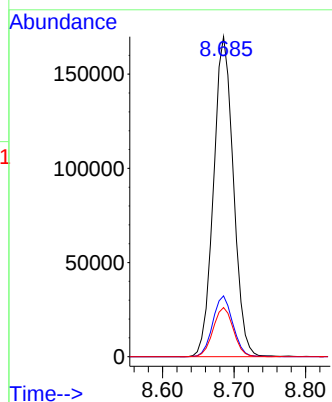
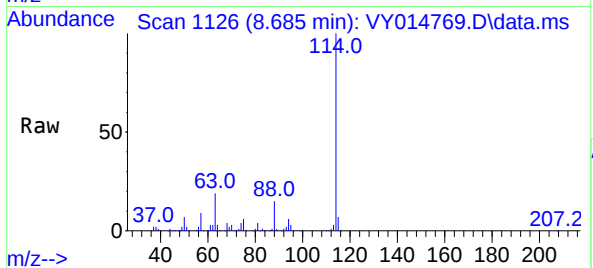
Tgt Ion:114 Resp: 327399

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.830 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014769.D

Acq: 24 Jul 2023 13:56

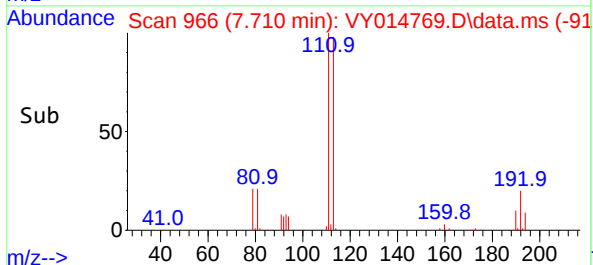
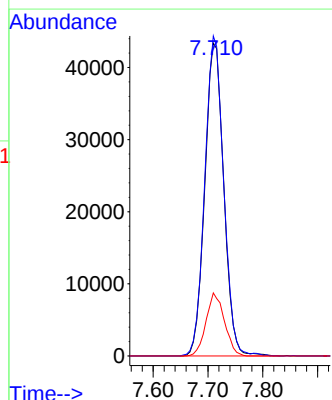
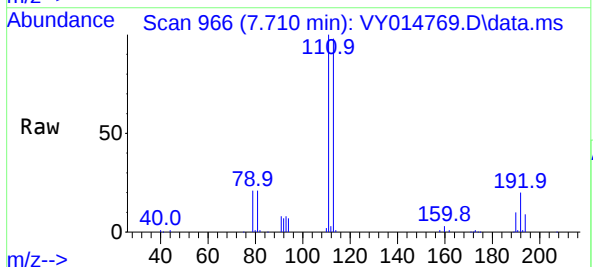
Tgt Ion:113 Resp: 103852

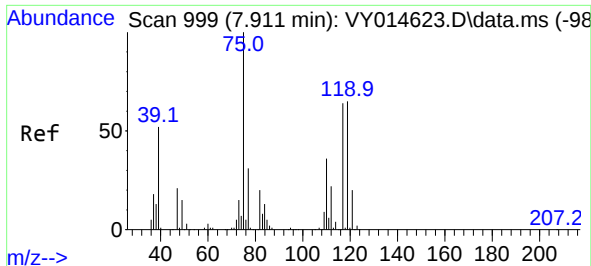
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

192 19.6 16.9 25.3

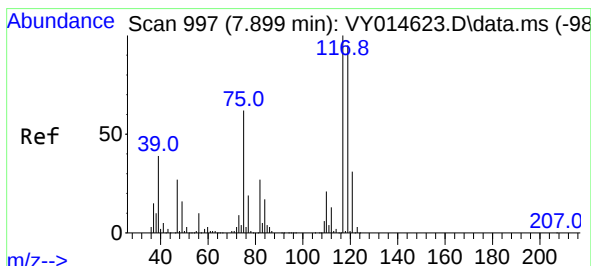
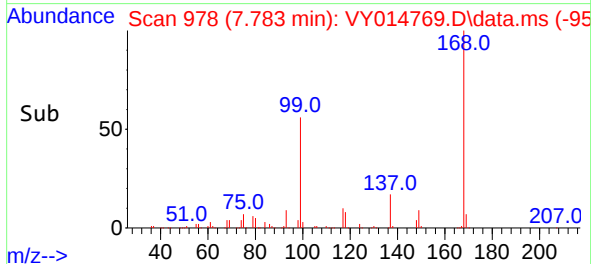
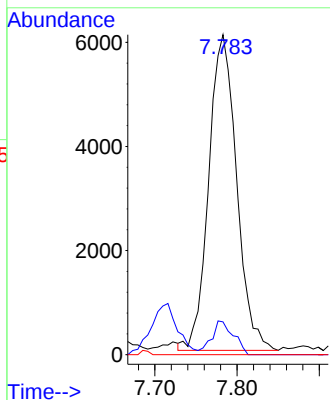
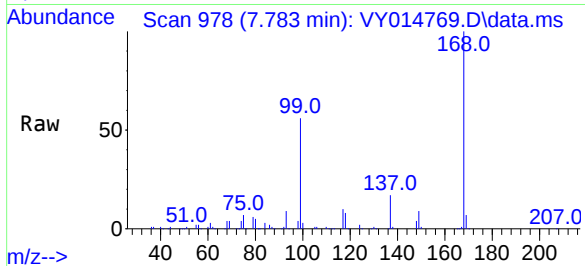




#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

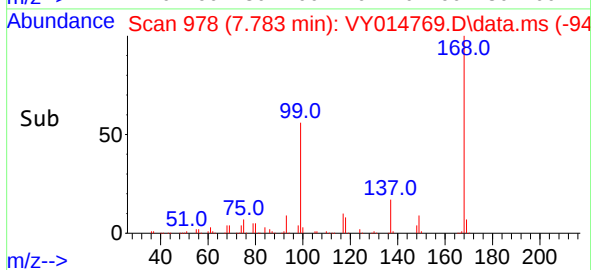
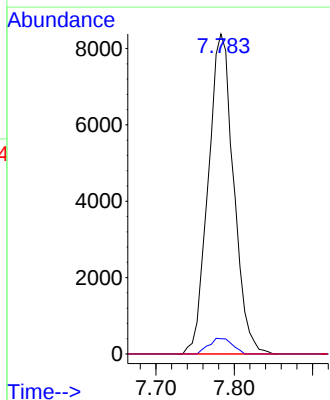
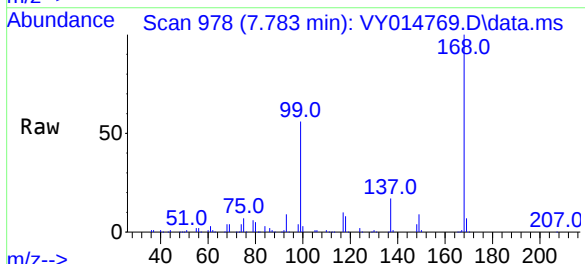
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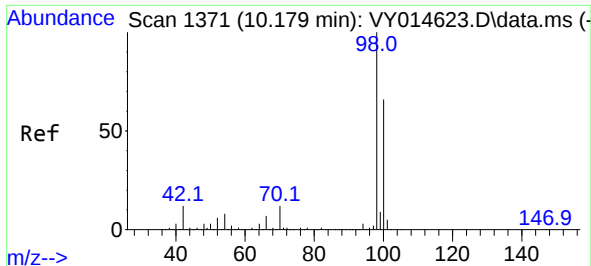
Tgt Ion: 75 Resp: 14303
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.732 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 117 Resp: 18884
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#

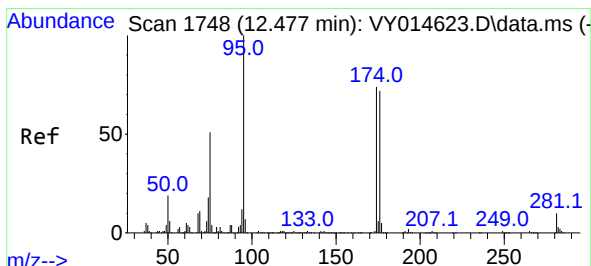
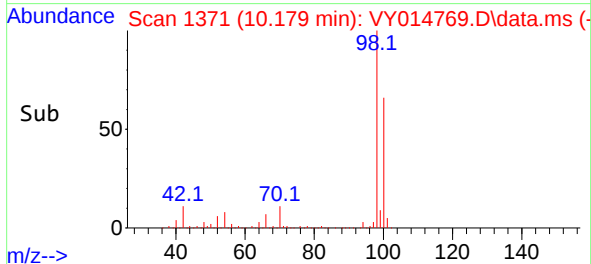
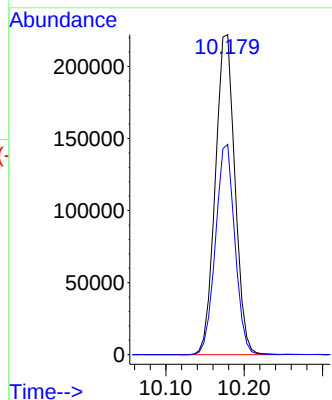
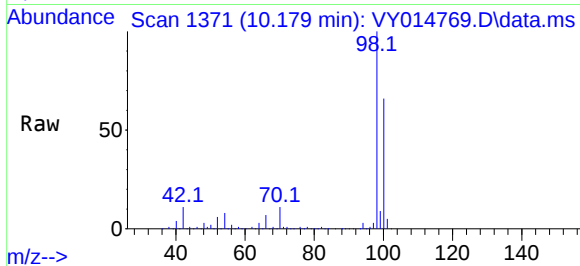




#50
Toluene-d8
Concen: 50.429 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

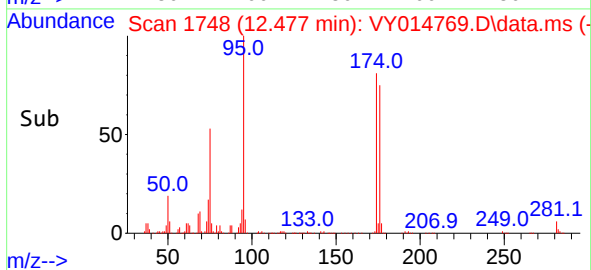
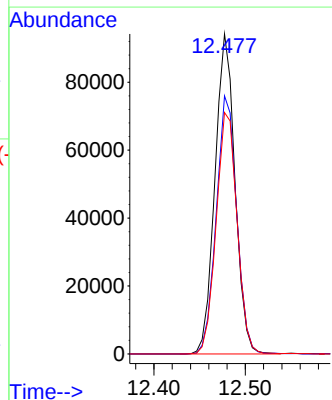
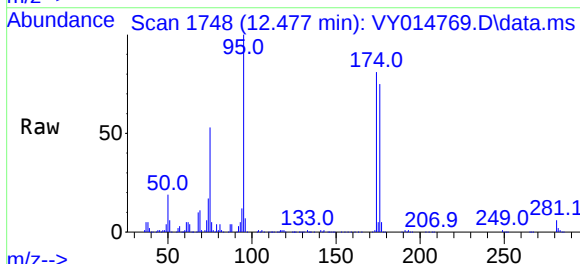
Instrument :
MSVOA_Y
ClientSampleId :
332

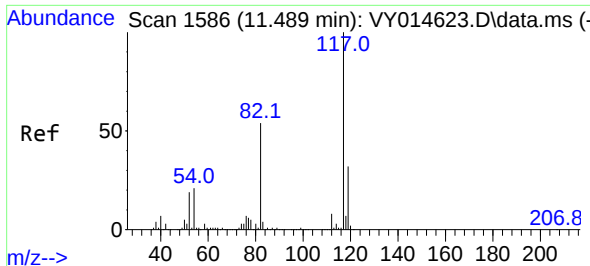
Tgt Ion: 98 Resp: 387489
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.652 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

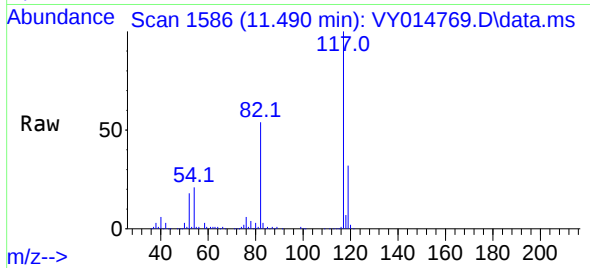
Tgt Ion: 95 Resp: 143341
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 78.9 0.0 173.8



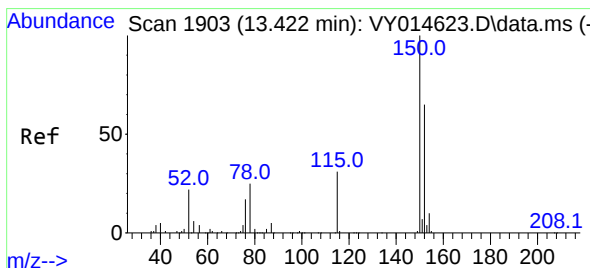
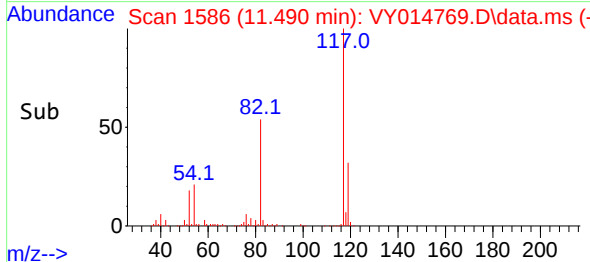
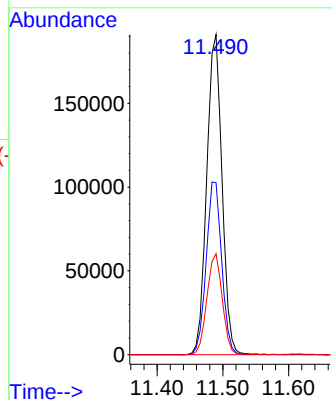


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Instrument :
MSVOA_Y
ClientSampleId :
332

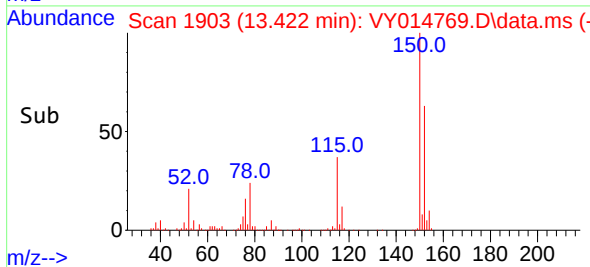
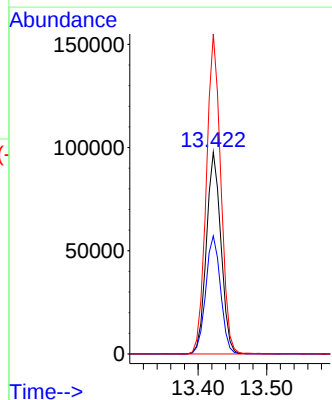
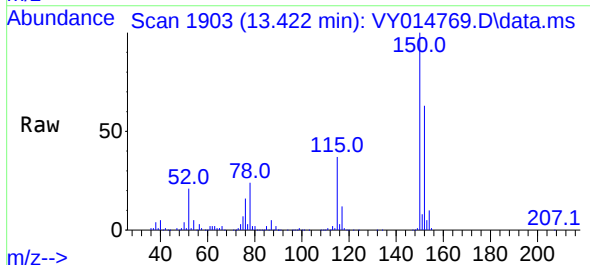


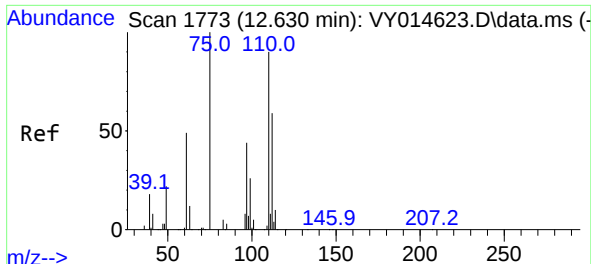
Tgt Ion:117 Resp: 309289
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion:152 Resp: 144806
Ion Ratio Lower Upper
152 100
115 59.7 28.8 86.5
150 157.6 0.0 348.8

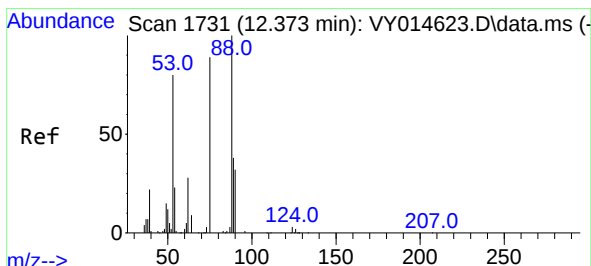
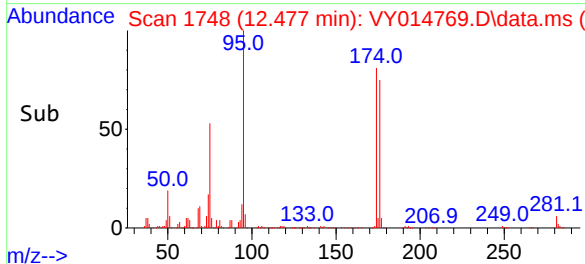
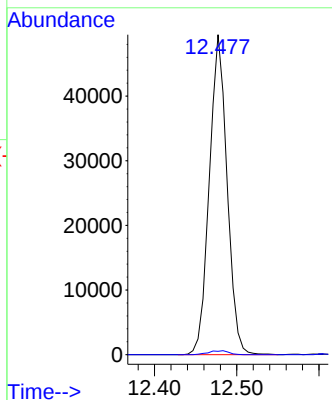
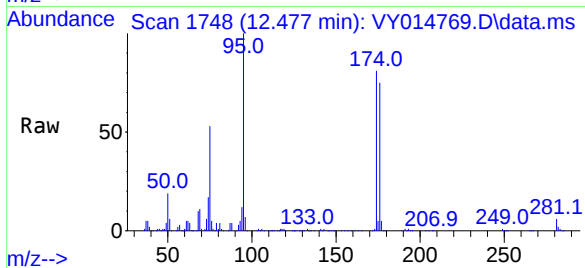




#76
1,2,3-Trichloropropane
Concen: 40.603 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Instrument :
MSVOA_Y
ClientSampleId :
332

Tgt Ion: 75 Resp: 74258
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.616 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014769.D
Acq: 24 Jul 2023 13:56

Tgt Ion: 75 Resp: 74258
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

