

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015057.D
 Acq On : 11 Aug 2023 14:21
 Operator : SY/MD
 Sample : 03930-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11935

Quant Time: Aug 11 15:10:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

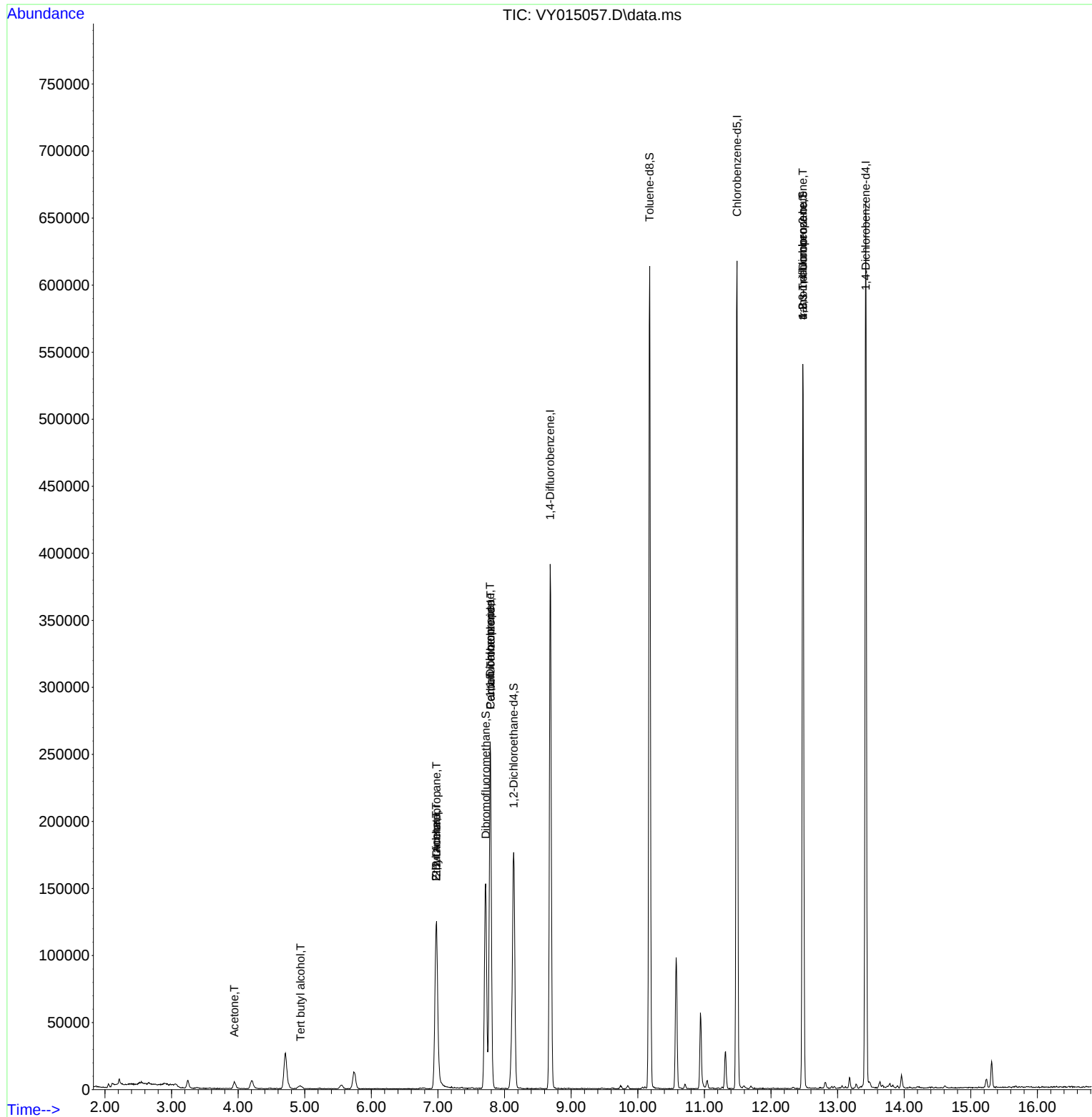
Internal Standards						
1) Pentafluorobenzene	7.789	168	198870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	338510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	331615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	129395	53.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.360%	
35) Dibromofluoromethane	7.716	113	108516	50.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.260%	
50) Toluene-d8	10.179	98	401378	48.715	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.420%	
62) 4-Bromofluorobenzene	12.477	95	155882	53.381	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	172	Below Cal	#	43
5) Bromomethane	2.650	94	459	Below Cal	#	52
11) Tert butyl alcohol	4.936	59	3485	5.991	ug/l #	96
16) Acetone	3.942	43	8774	11.673	ug/l	96
20) Methylene Chloride	4.704	84	19421	Below Cal		90
25) 2-Butanone	6.972	43	6720	6.242	ug/l #	68
26) 2,2-Dichloropropane	6.978	77	9401	2.686	ug/l #	54
31) Cyclohexane	7.783	56	4122	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	15141	5.634	ug/l #	51
37) Ethyl Acetate	6.972	43	6720	3.150	ug/l #	1
38) Carbon Tetrachloride	7.789	117	19107	6.324	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	84736	42.292	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84736	93.170	ug/l #	11

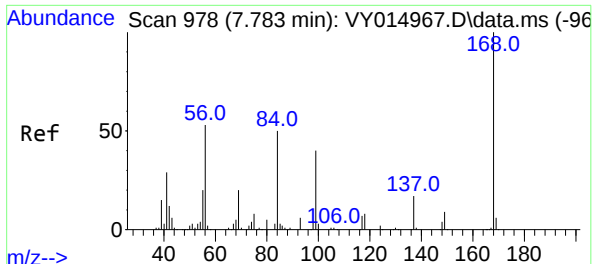
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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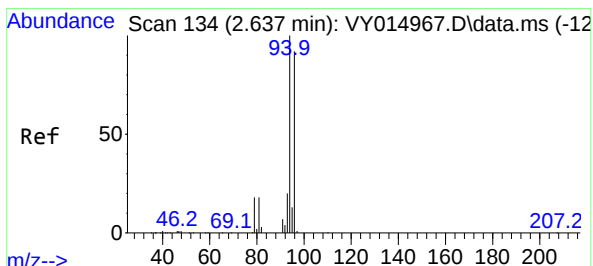
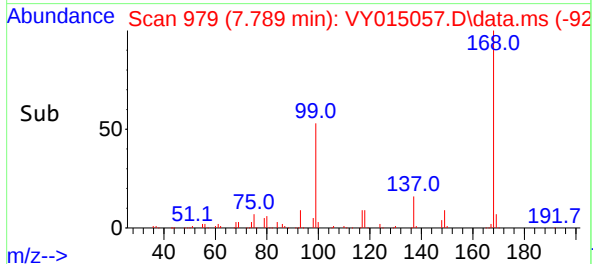
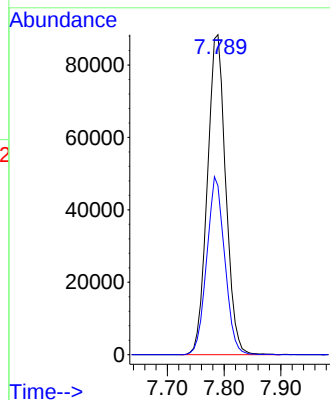
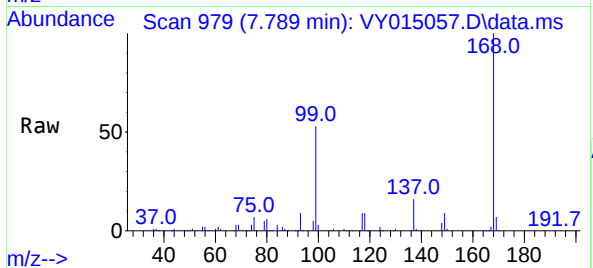




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

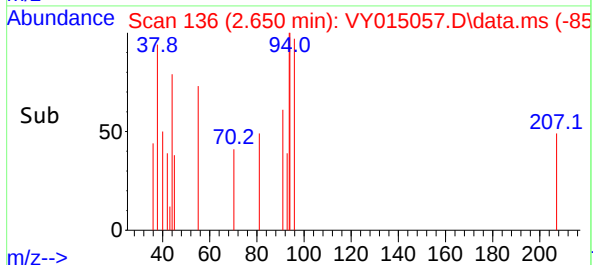
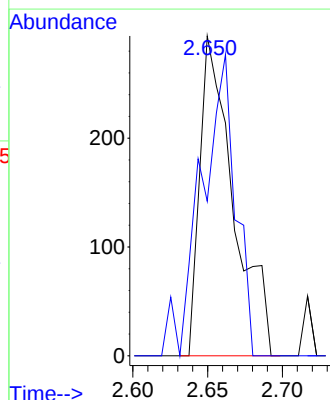
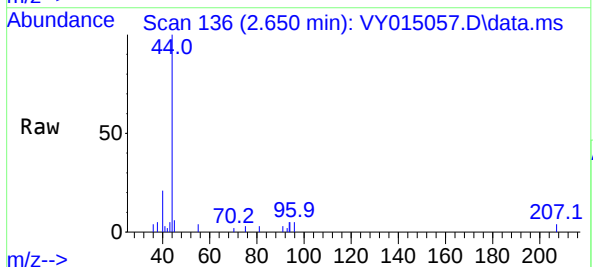
Instrument :
MSVOA_Y
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72-11935

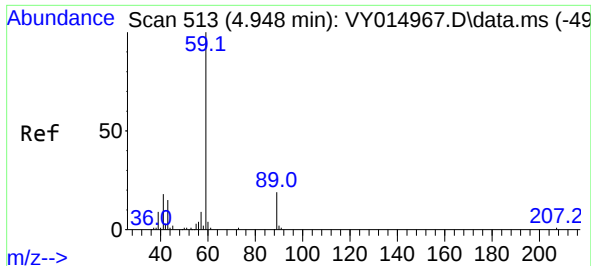
Tgt Ion:168 Resp: 198870
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 48.3 75.8 113.6#

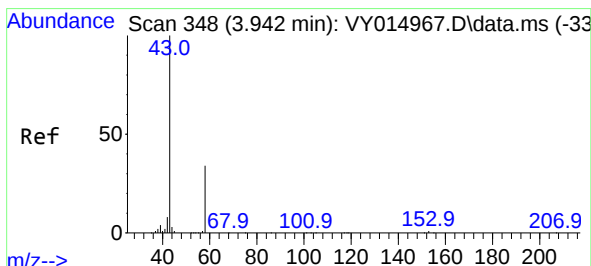
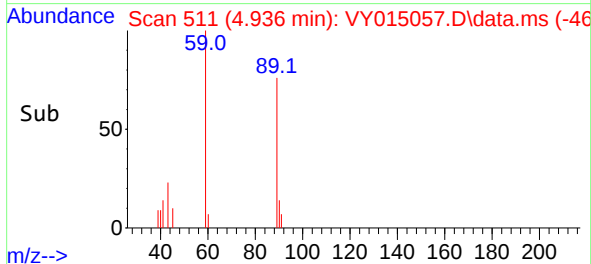
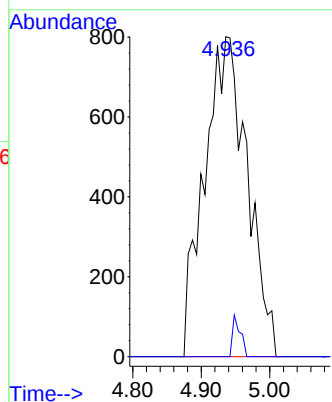
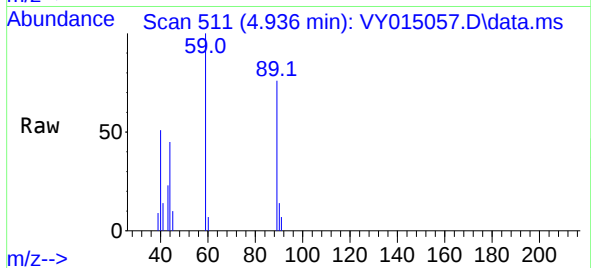




#11
Tert butyl alcohol
Concen: 5.991 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

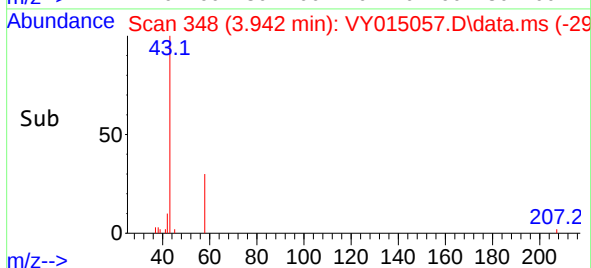
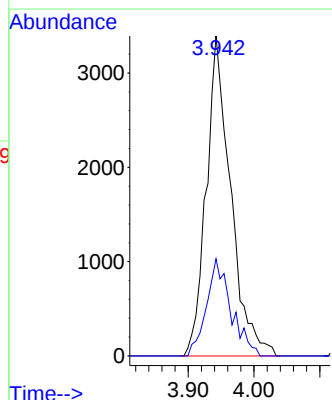
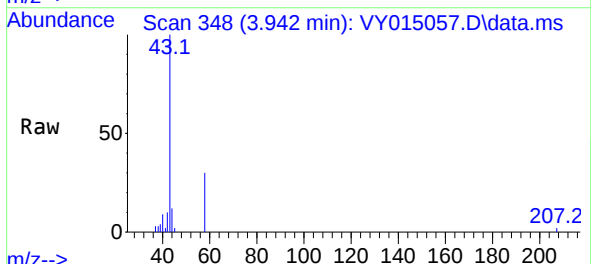
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

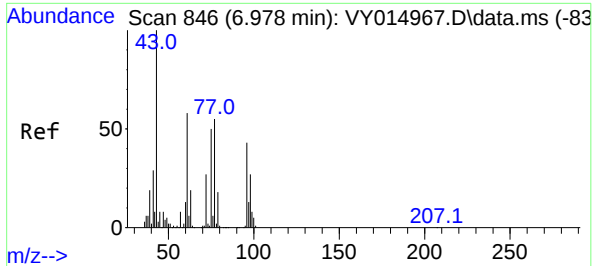
Tgt Ion: 59 Resp: 3485
Ion Ratio Lower Upper
59 100
57 2.4 3.0 4.4#



#16
Acetone
Concen: 11.673 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 43 Resp: 8774
Ion Ratio Lower Upper
43 100
58 30.4 22.7 34.1

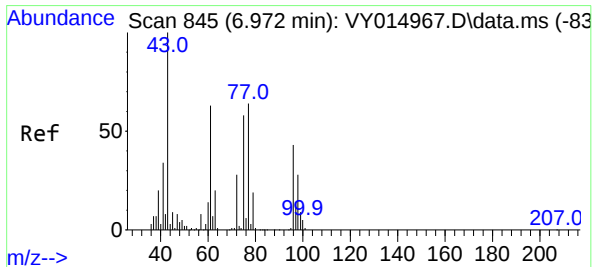
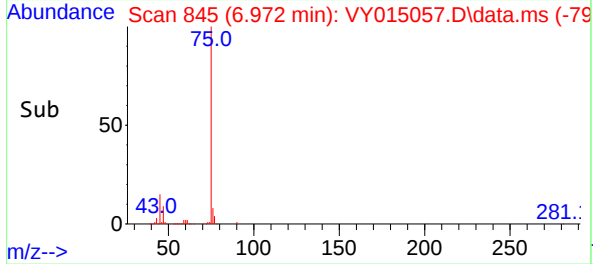
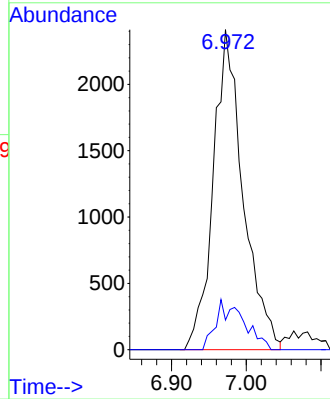
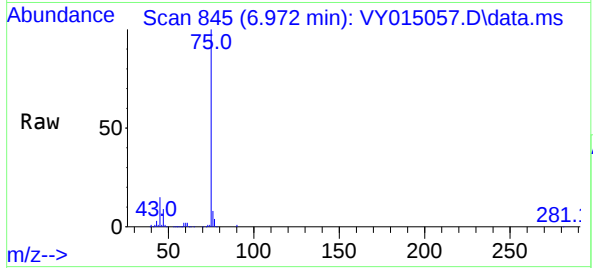




#25
2-Butanone
Concen: 6.242 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

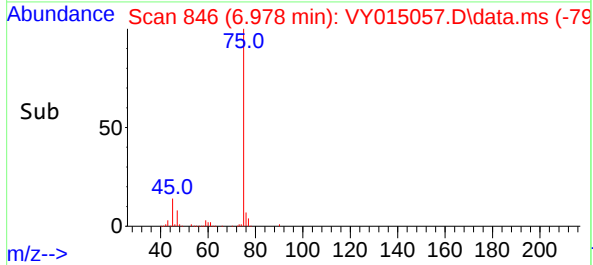
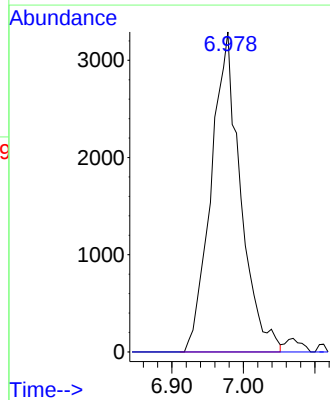
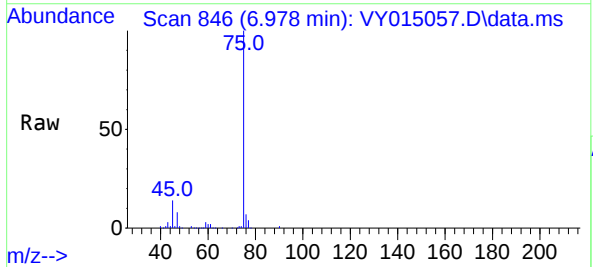
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

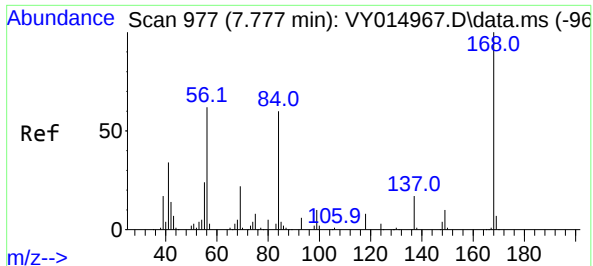
Tgt Ion: 43 Resp: 6720
Ion Ratio Lower Upper
43 100
72 9.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.686 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 77 Resp: 9401
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

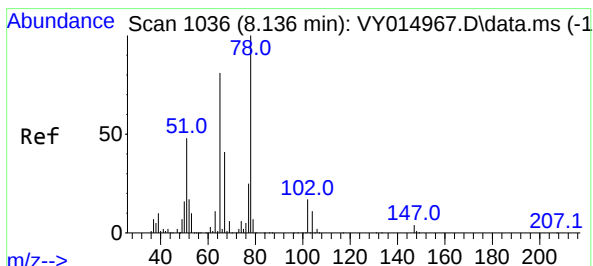
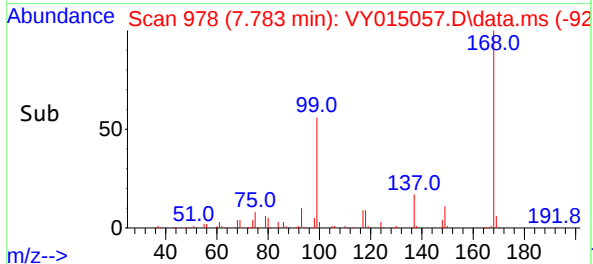
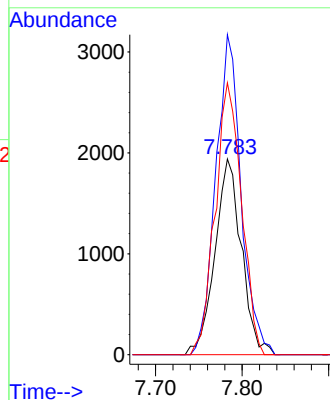
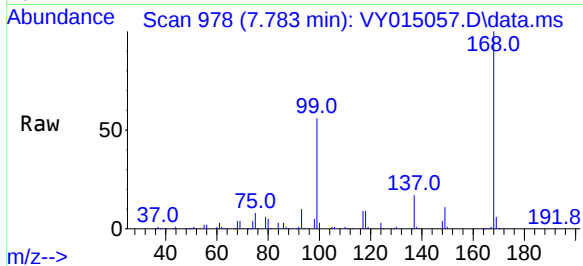




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

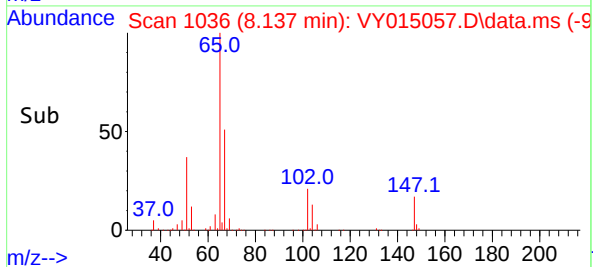
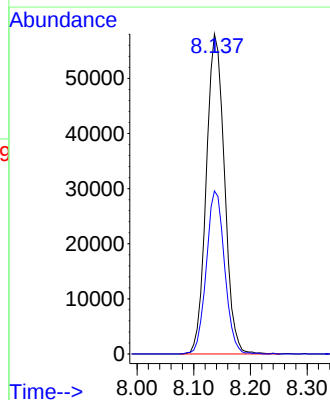
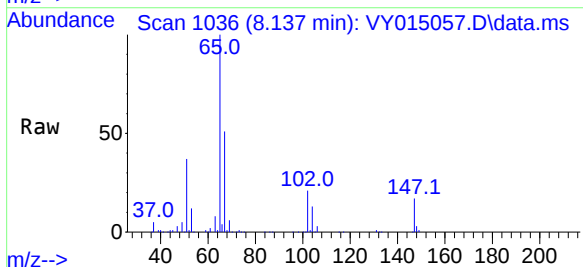
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

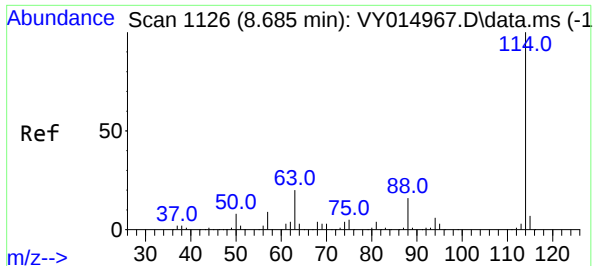
Tgt Ion: 56 Resp: 4122
Ion Ratio Lower Upper
56 100
69 163.6 27.8 41.6#
84 138.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.683 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 65 Resp: 129395
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8

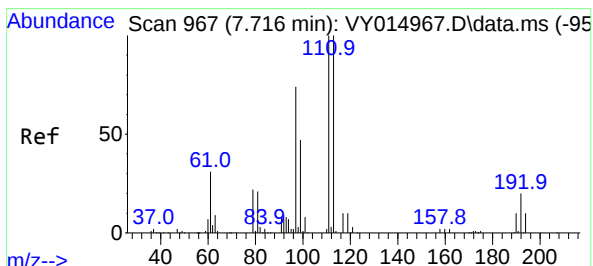
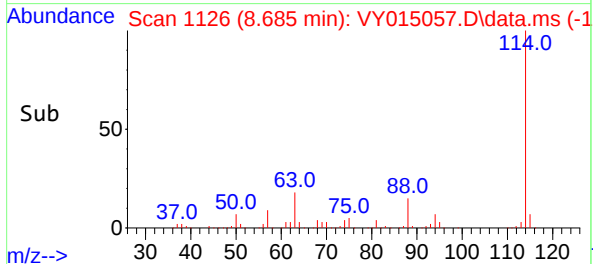
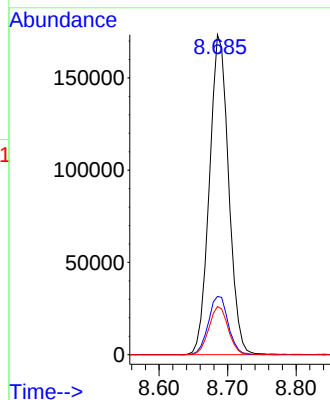
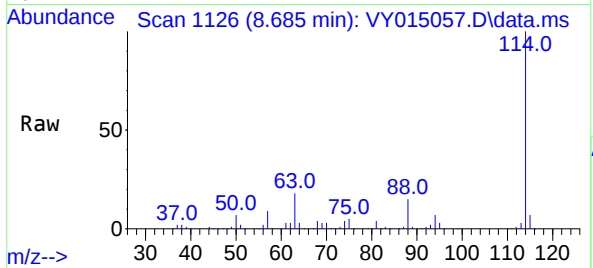




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

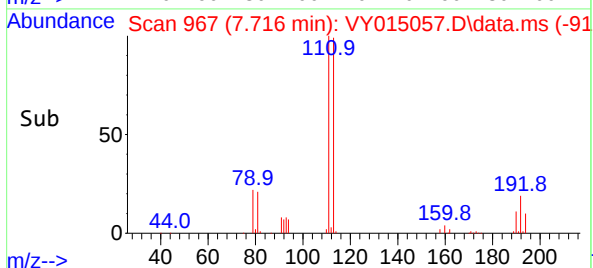
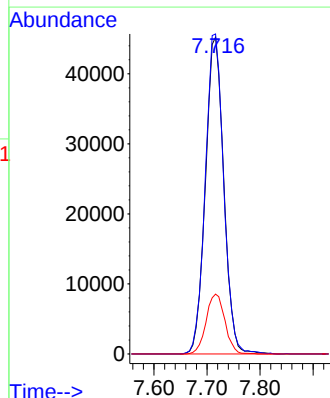
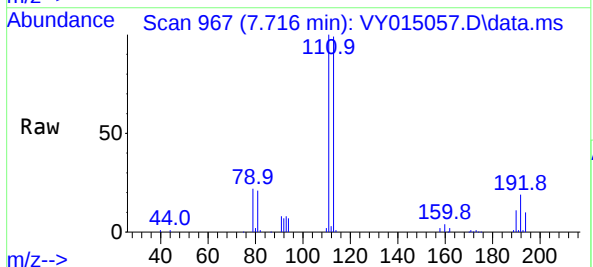
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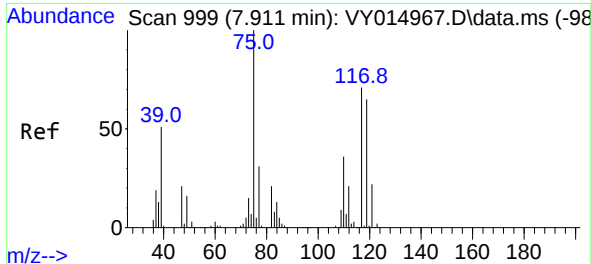
Tgt Ion:114 Resp: 338510
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.130 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion:113 Resp: 108516
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.4 16.9 25.3

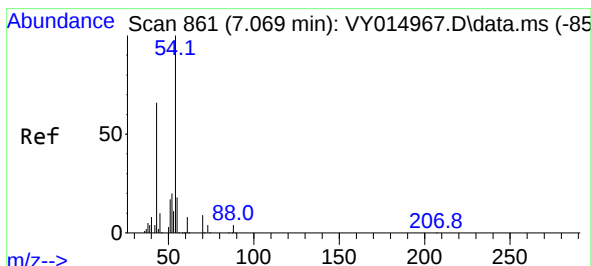
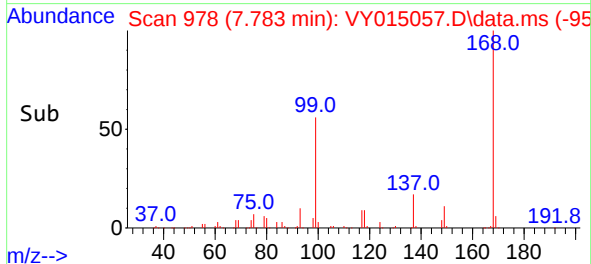
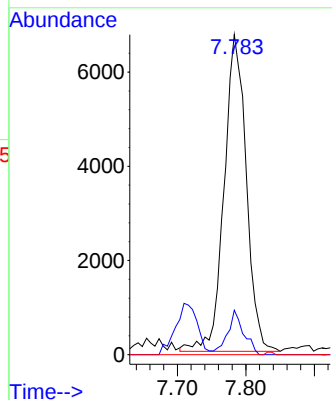
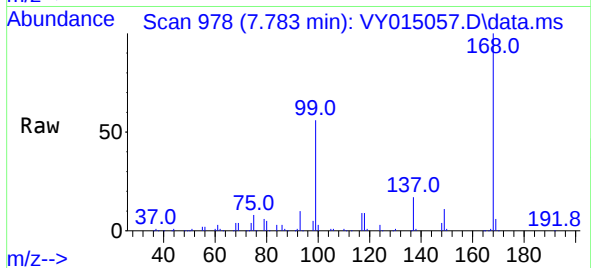




#36
1,1-Dichloropropene
Concen: 5.634 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

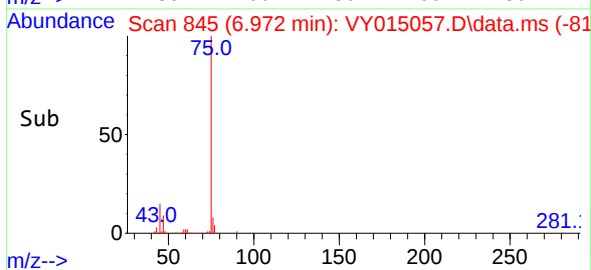
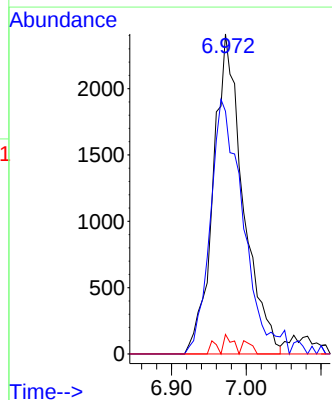
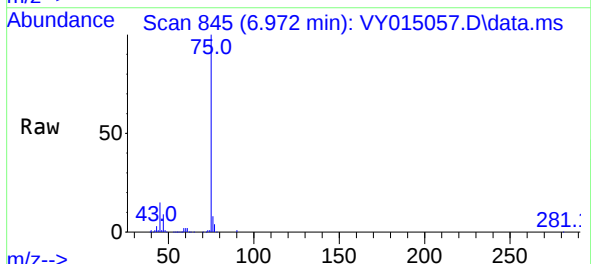
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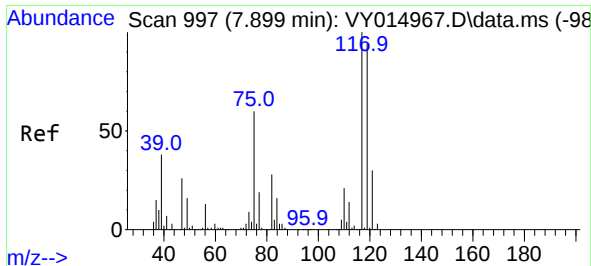
Tgt Ion: 75 Resp: 15141
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.150 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.097 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 43 Resp: 6720
Ion Ratio Lower Upper
43 100
61 87.5 10.1 15.1#
70 1.8 7.1 10.7#

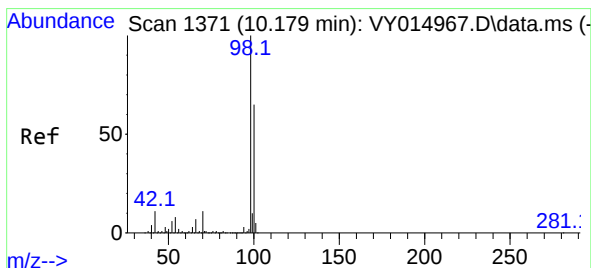
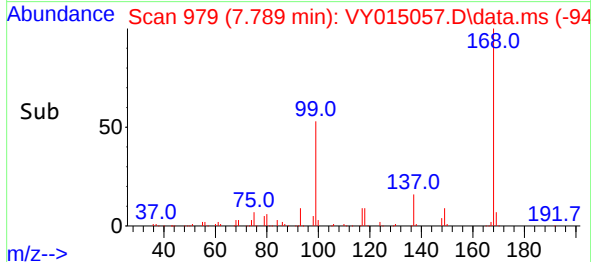
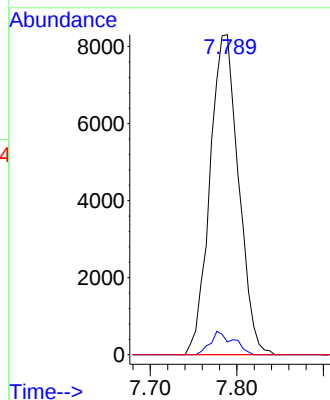
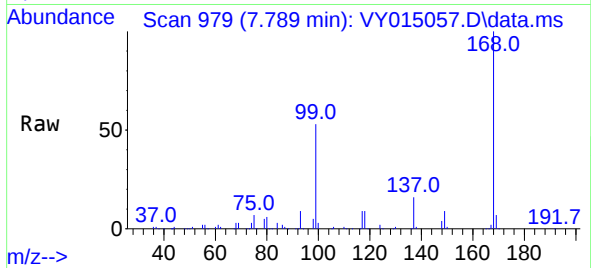




#38
Carbon Tetrachloride
Concen: 6.324 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

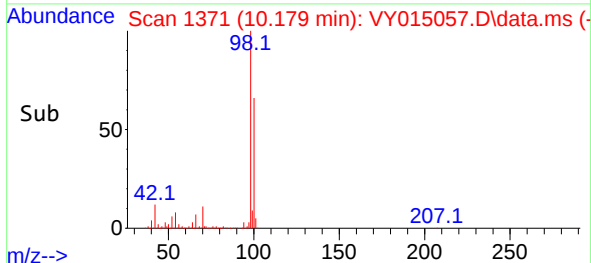
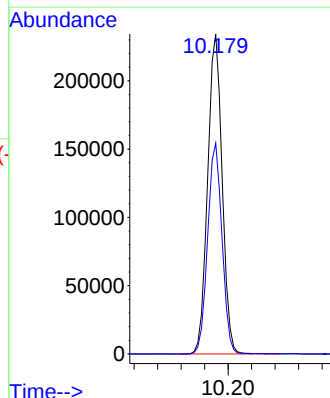
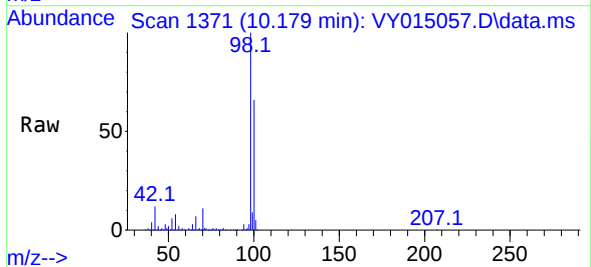
Instrument :
MSVOA_Y
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72-11935

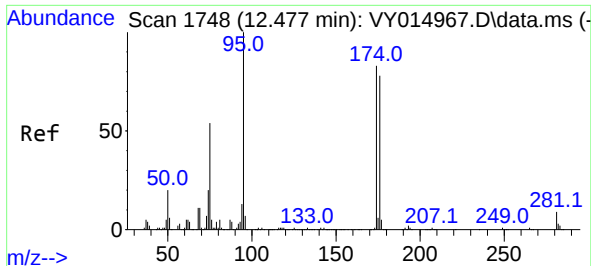
Tgt Ion:117 Resp: 19107
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.715 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 98 Resp: 401378
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

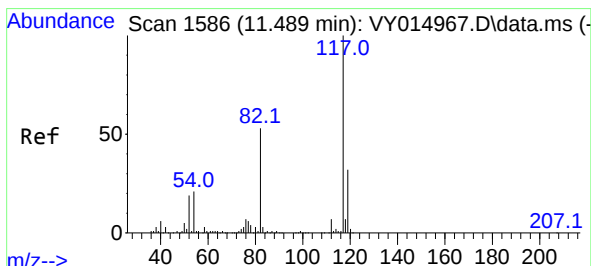
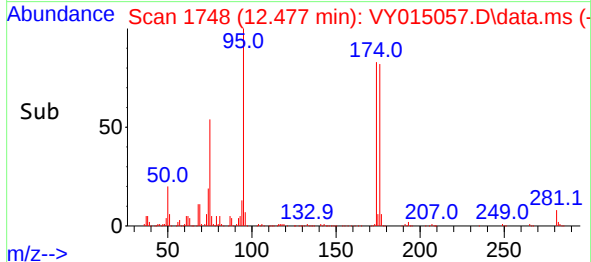
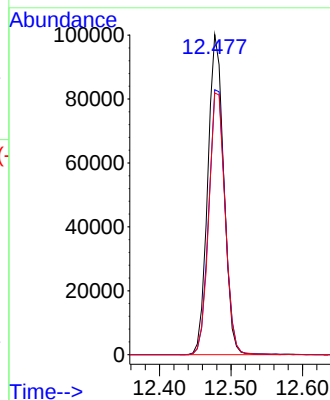
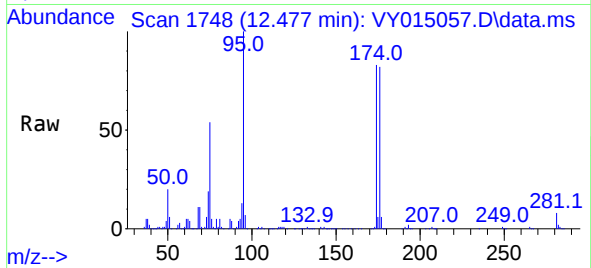




#62
4-Bromofluorobenzene
Concen: 53.381 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

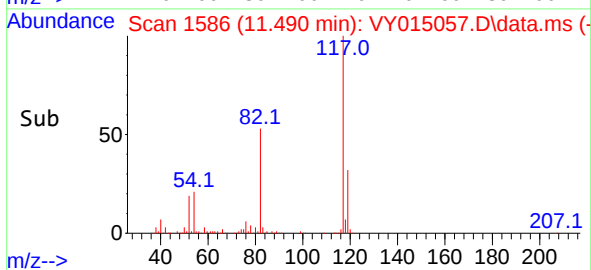
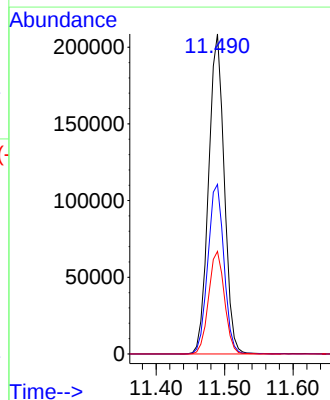
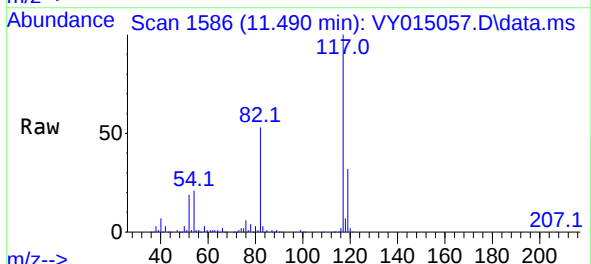
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

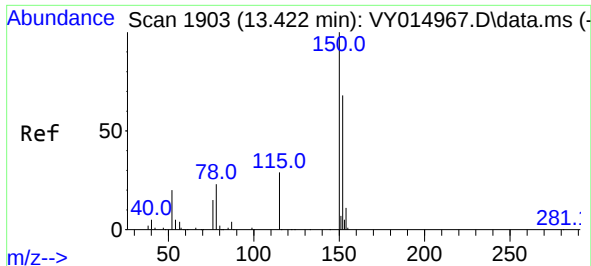
Tgt Ion: 95 Resp: 155882
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 83.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 117 Resp: 331615
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.0 26.3 39.5

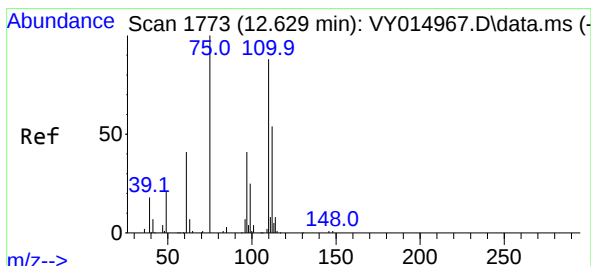
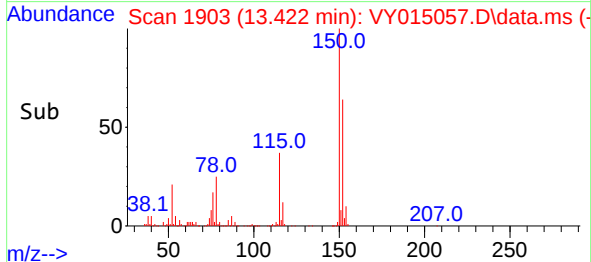
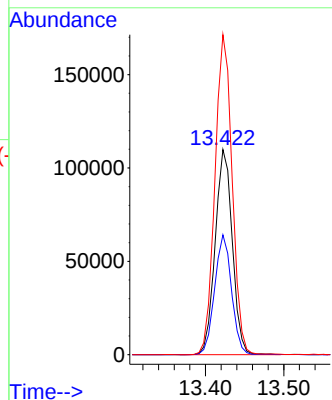
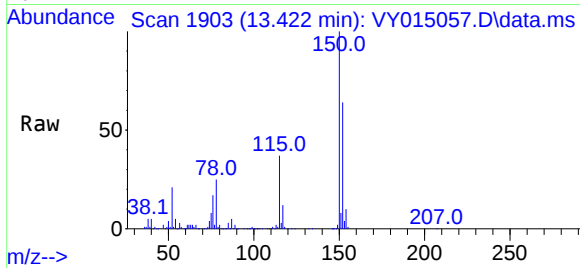




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

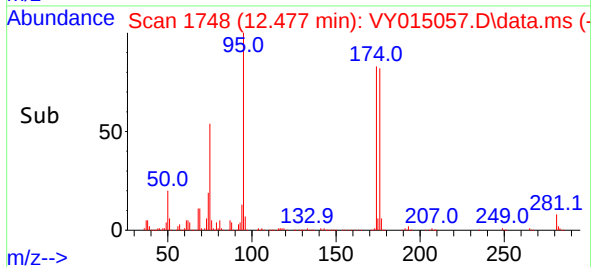
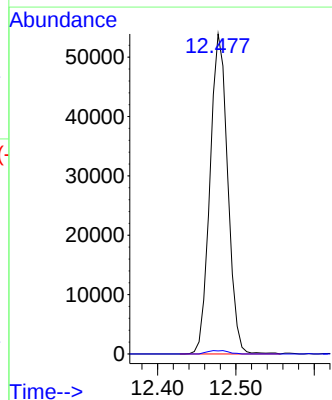
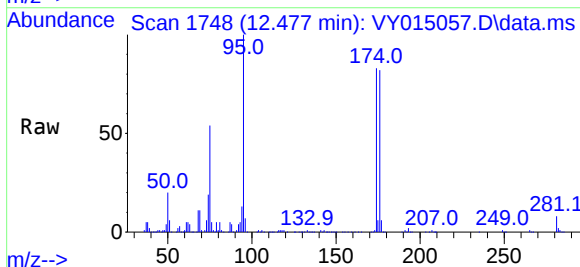
Instrument :
MSVOA_Y
ClientSampleId :
72-11935

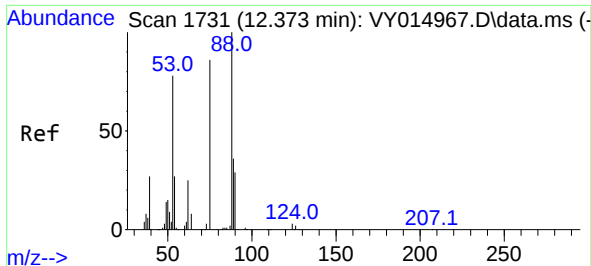
Tgt Ion:152 Resp: 167212
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.5
150 156.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 42.292 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Tgt Ion: 75 Resp: 84736
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 93.170 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015057.D
Acq: 11 Aug 2023 14:21

Instrument :
MSVOA_Y
ClientSampleId :
72-11935

Tgt Ion: 75 Resp: 84736
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

