

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014955.D
 Acq On : 03 Aug 2023 17:49
 Operator : SY/MD
 Sample : 03857-10
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP2

Quant Time: Aug 04 04:33:21 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	230834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	407445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	394981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153124	58.212	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.420%			
35) Dibromofluoromethane	7.716	113	127782	49.266	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%			
50) Toluene-d8	10.179	98	480300	50.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.477	95	185613	50.623	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.240%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.107	142	216	2.449	ug/l #	38
11) Tert butyl alcohol	4.917	59	7262	1.681	ug/l #	90
16) Acetone	3.960	43	11942	14.327	ug/l	100
20) Methylene Chloride	4.704	84	32314	8.422	ug/l	92
25) 2-Butanone	6.990	43	15061	12.350	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	6396	1.429	ug/l #	54
29) Tetrahydrofuran	7.350	42	4144	5.519	ug/l	96
31) Cyclohexane	7.777	56	5086	1.165	ug/l #	3
36) 1,1-Dichloropropene	7.783	75	18017	4.645	ug/l #	49
37) Ethyl Acetate	6.990	43	15061	5.640	ug/l #	68
38) Carbon Tetrachloride	7.783	117	23496	5.730	ug/l #	16
41) Methacrylonitrile	7.356	41	2685	1.955	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	98801	40.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	98801	78.304	ug/l #	11

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

Quant Time: Aug 04 04:33:21 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

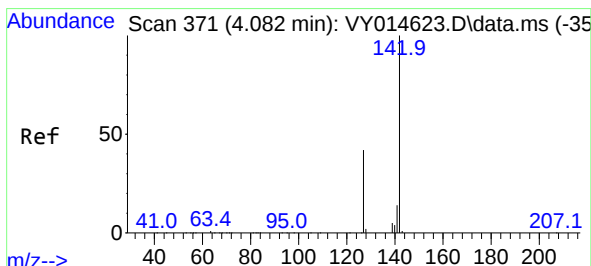
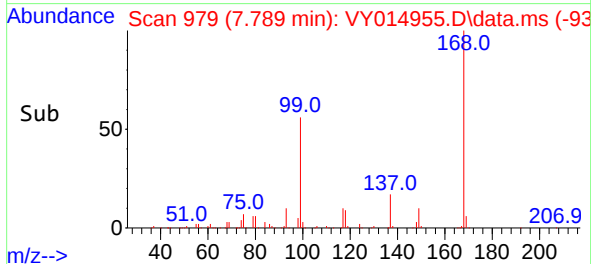
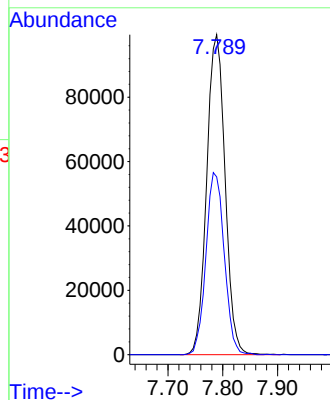
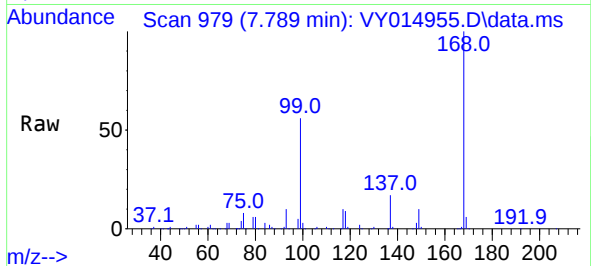




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

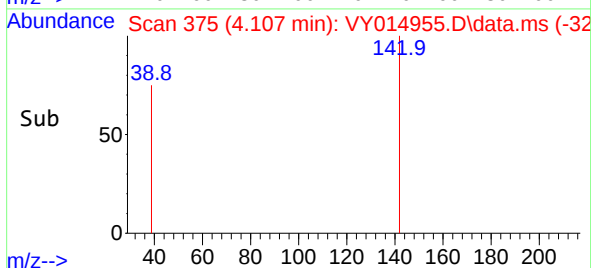
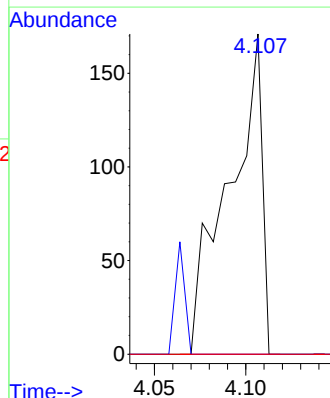
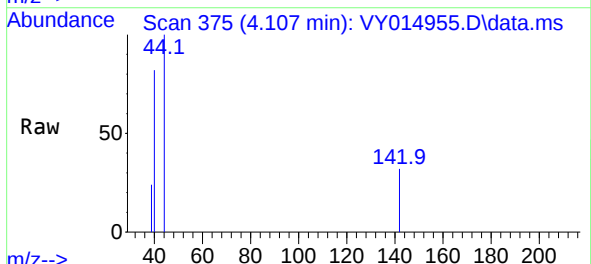
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

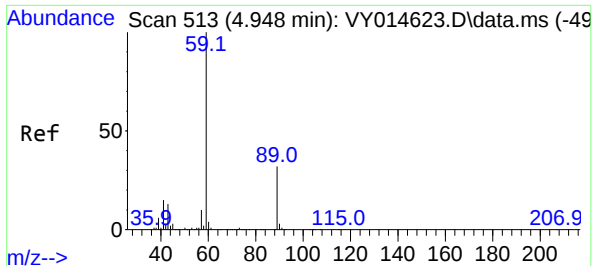
Tgt Ion:168 Resp: 230834
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.449 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

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#

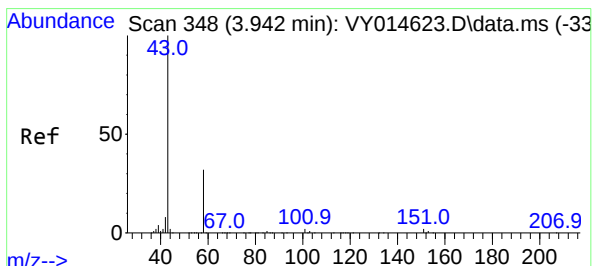
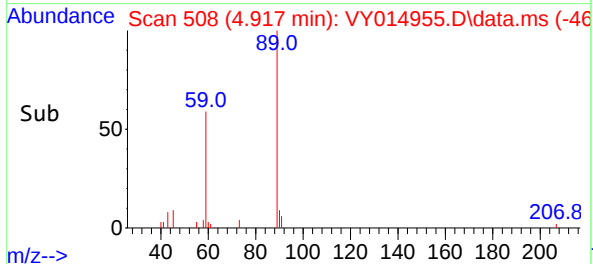
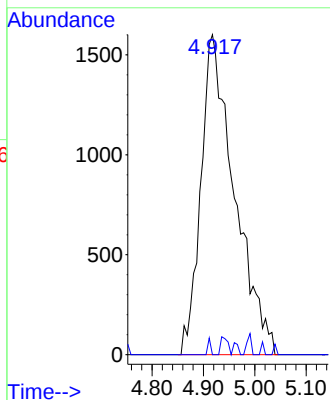
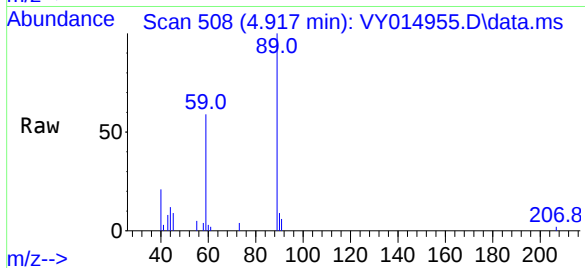




#11
Tert butyl alcohol
Concen: 1.681 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

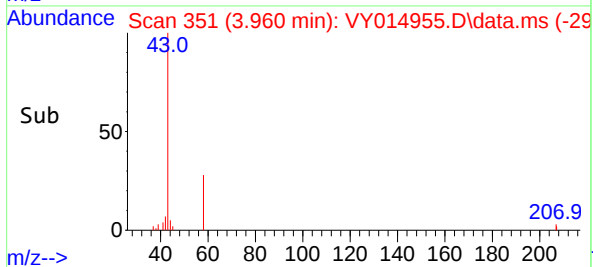
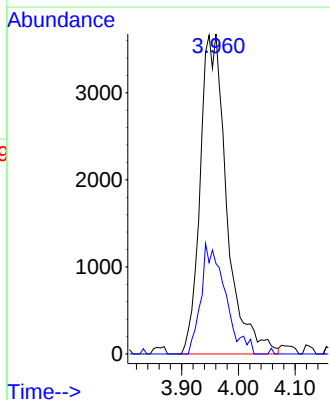
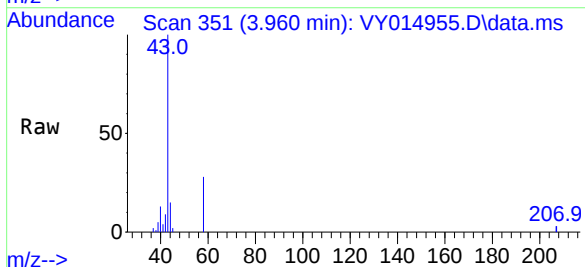
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

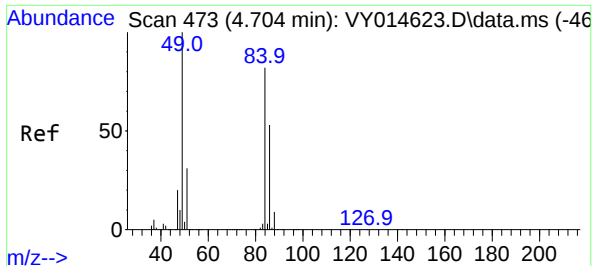
Tgt Ion: 59 Resp: 7262
Ion Ratio Lower Upper
59 100
57 0.4 3.0 4.4#



#16
Acetone
Concen: 14.327 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 43 Resp: 11942
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1



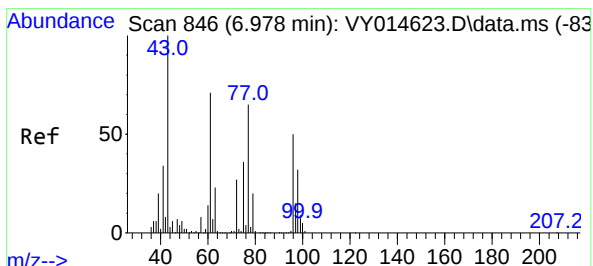
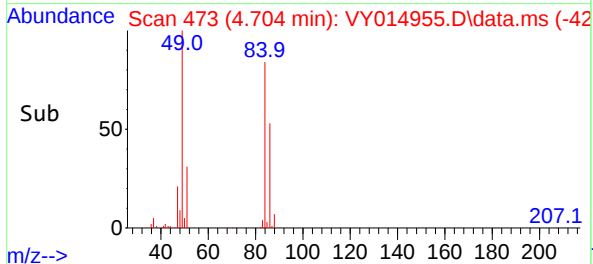
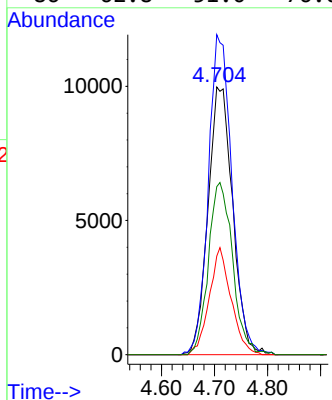
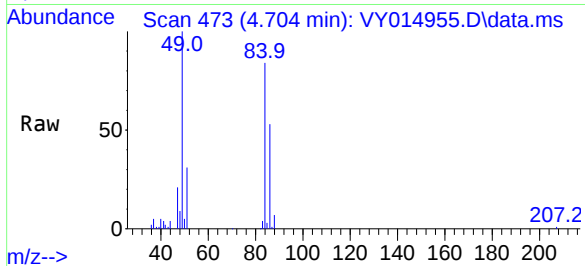


#20
Methylene Chloride
Concen: 8.422 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

Tgt Ion: 84 Resp: 32314

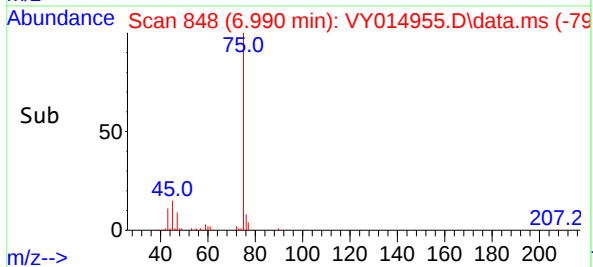
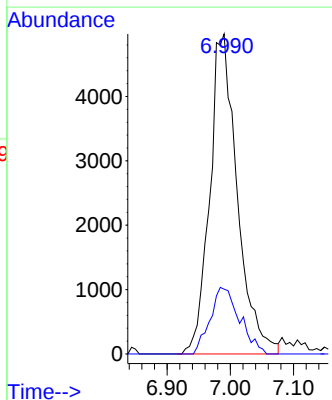
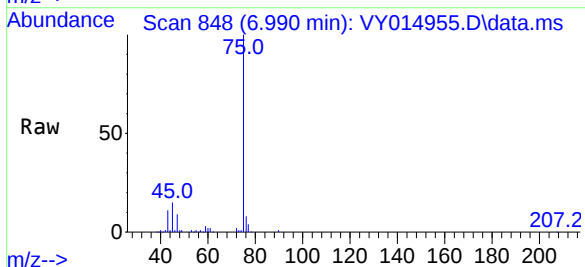
Ion	Ratio	Lower	Upper
84	100		
49	119.6	106.9	160.3
51	36.8	33.2	49.8
86	62.8	51.0	76.6

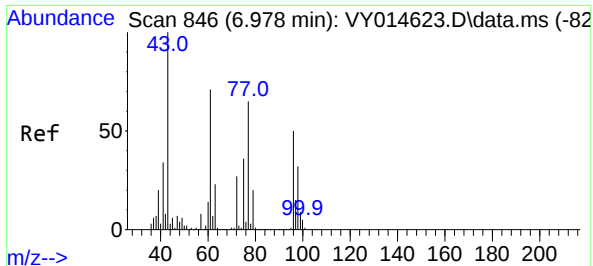


#25
2-Butanone
Concen: 12.350 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 43 Resp: 15061

Ion	Ratio	Lower	Upper
43	100		
72	20.2	20.5	30.7#

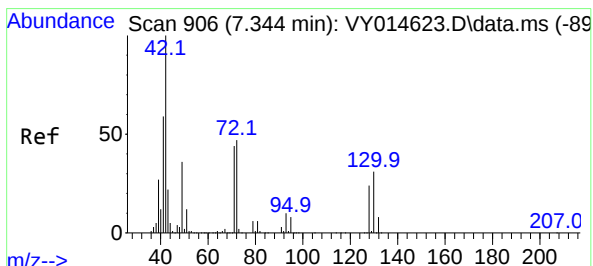
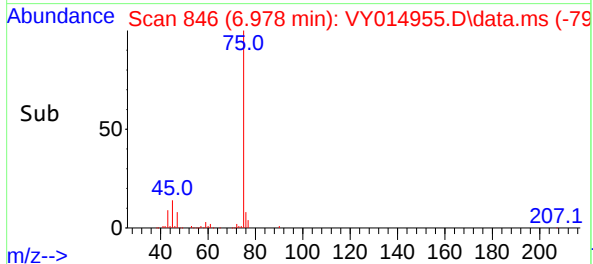
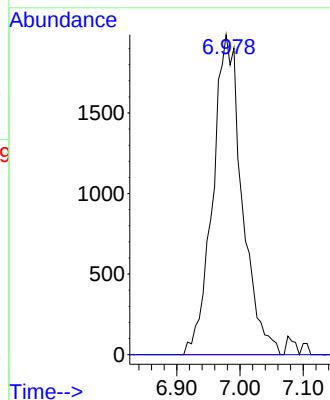
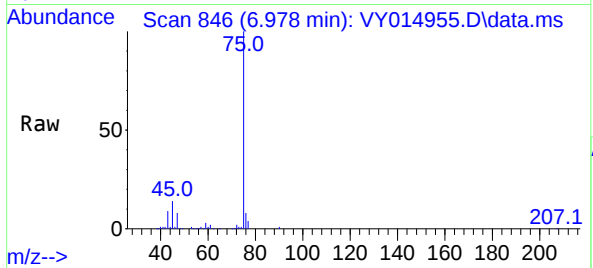




#26
2,2-Dichloropropane
Concen: 1.429 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

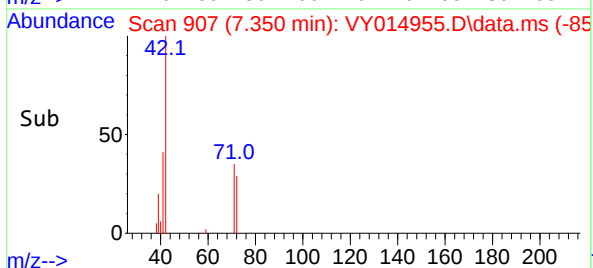
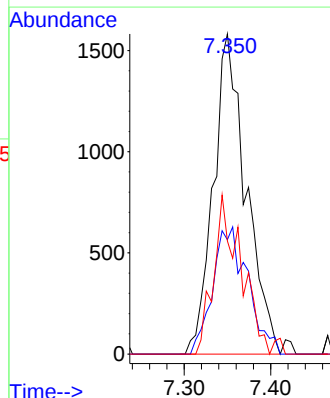
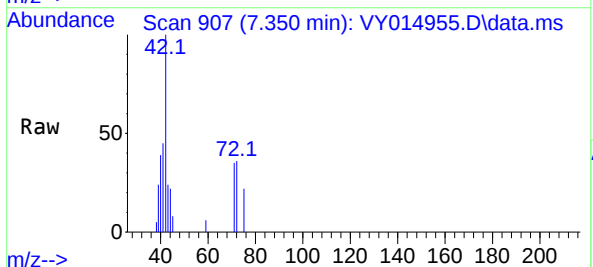
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

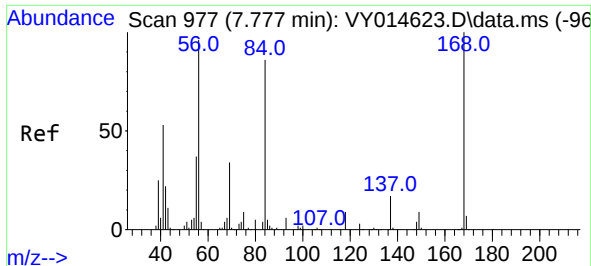
Tgt Ion: 77 Resp: 6396
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 5.519 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 42 Resp: 4144
Ion Ratio Lower Upper
42 100
72 42.5 32.8 49.2
71 41.6 31.0 46.4

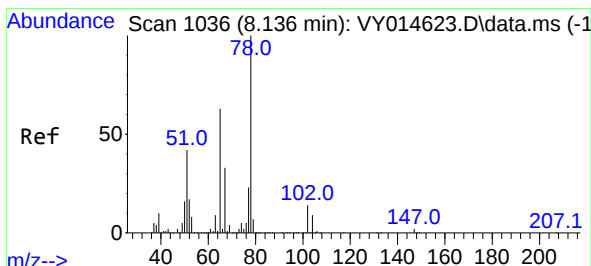
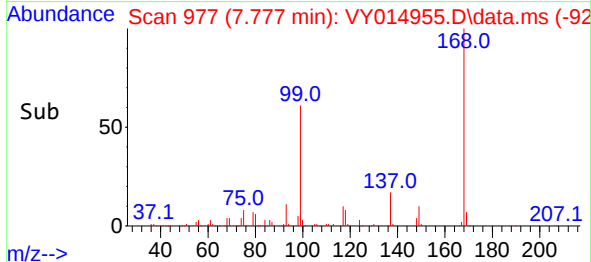
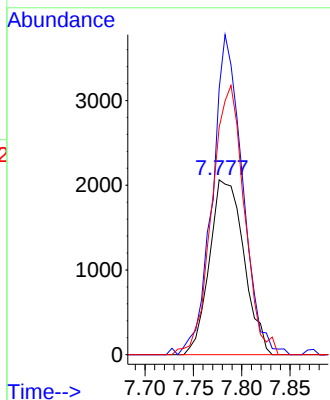
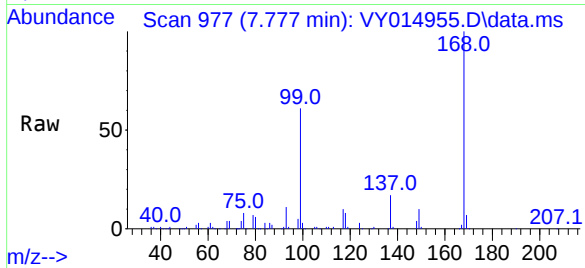




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

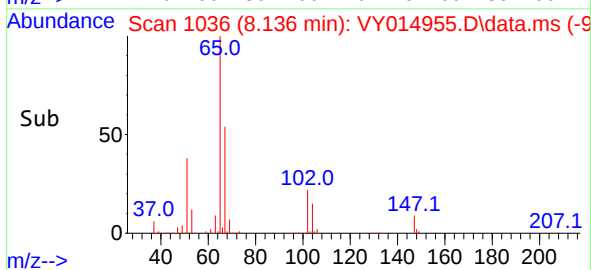
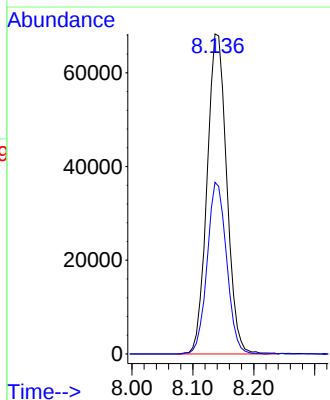
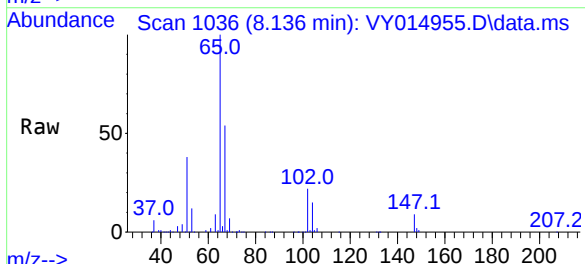
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

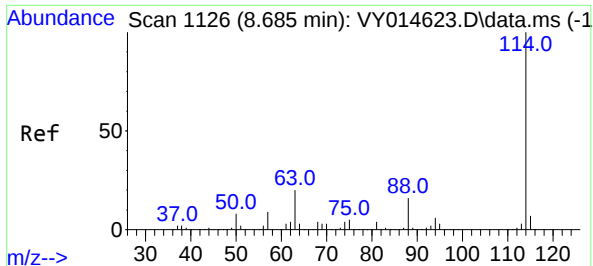
Tgt Ion: 56 Resp: 5086
Ion Ratio Lower Upper
56 100
69 152.1 27.8 41.6#
84 130.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.212 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 65 Resp: 153124
Ion Ratio Lower Upper
65 100
67 53.0 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: VY014955.D

Acq: 03 Aug 2023 17:49

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP2

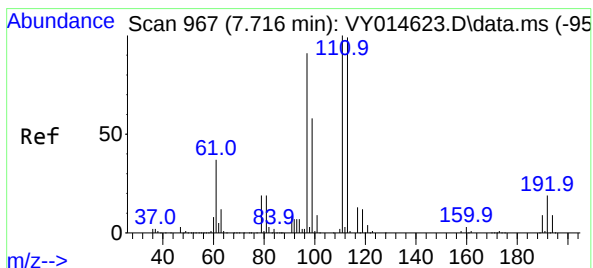
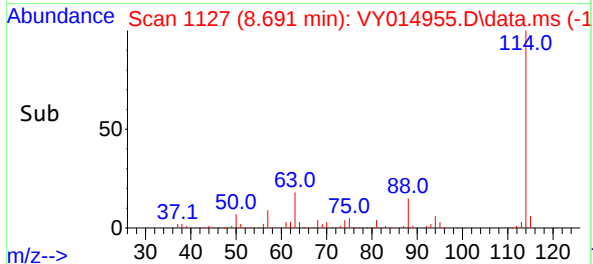
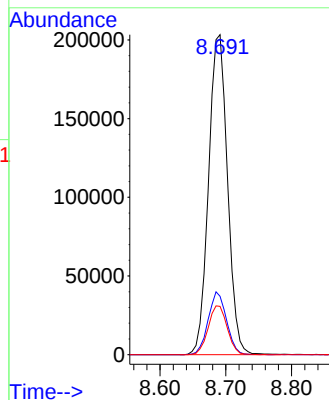
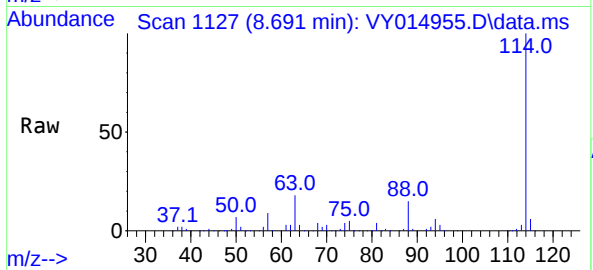
Tgt Ion:114 Resp: 407445

Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.266 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014955.D

Acq: 03 Aug 2023 17:49

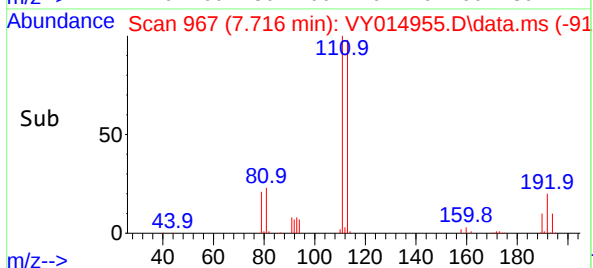
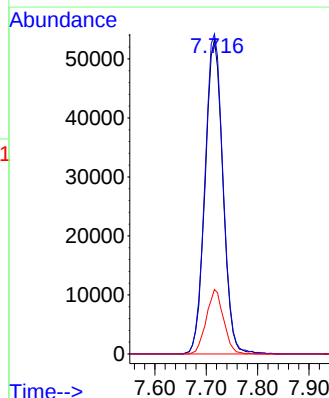
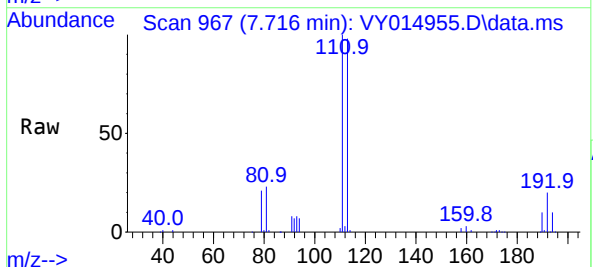
Tgt Ion:113 Resp: 127782

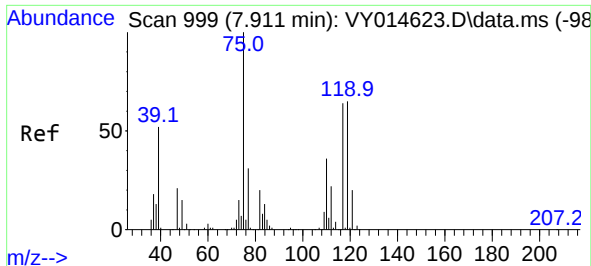
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

192 19.8 16.9 25.3

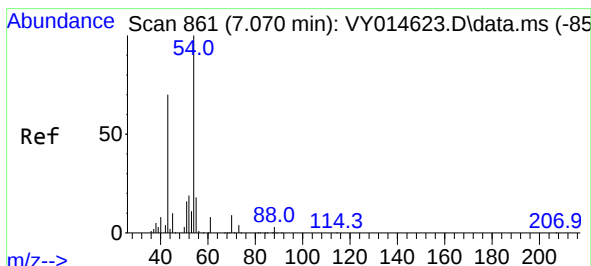
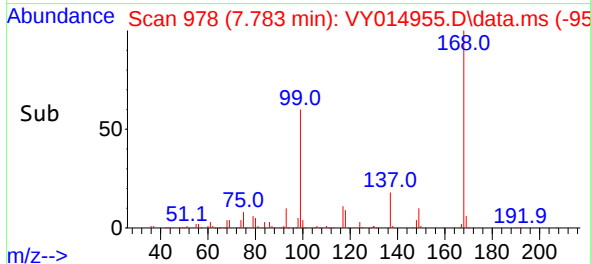
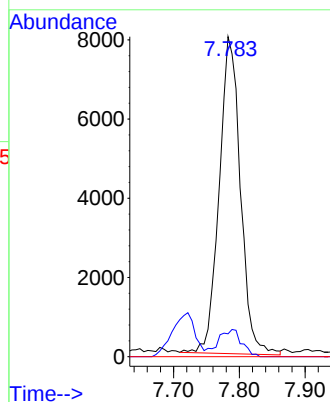
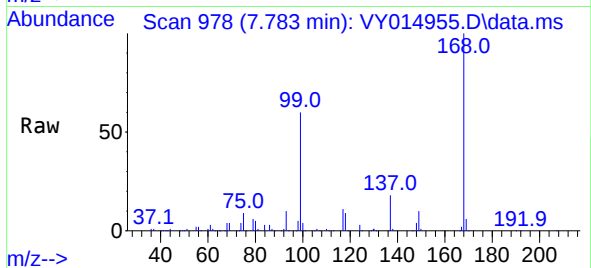




#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

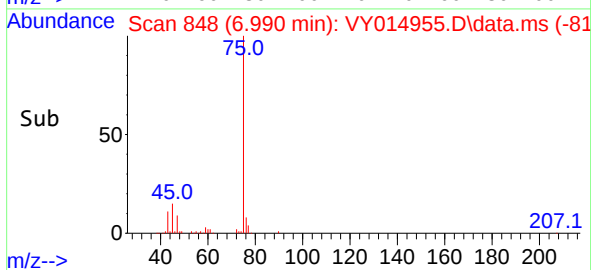
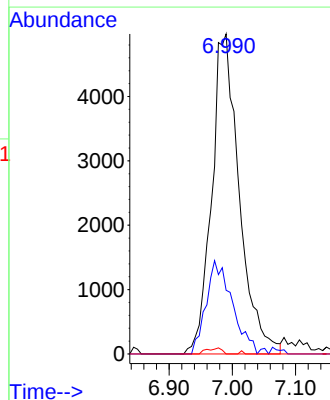
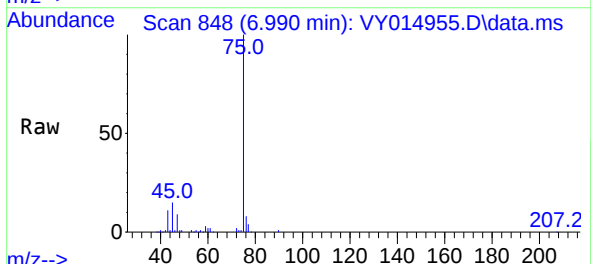
Instrument :
MSVOA_Y
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MCLEAN-TP2

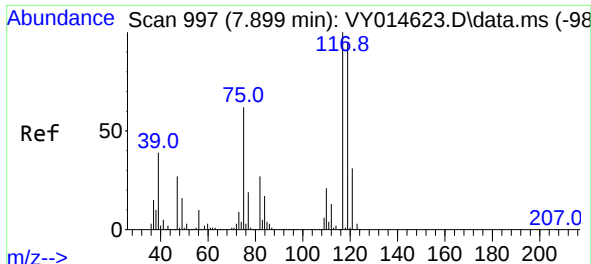
Tgt Ion: 75 Resp: 18017
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.640 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 43 Resp: 15061
Ion Ratio Lower Upper
43 100
61 27.7 10.1 15.1#
70 1.0 7.1 10.7#

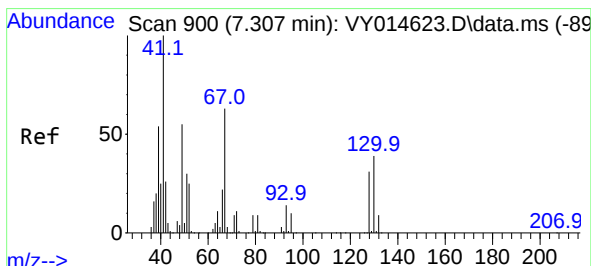
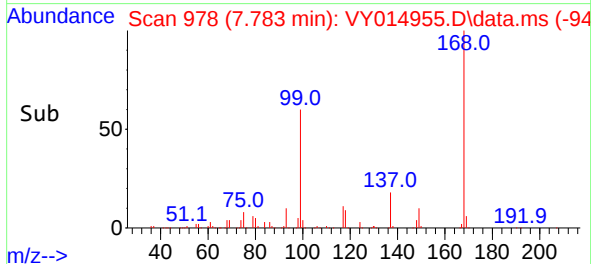
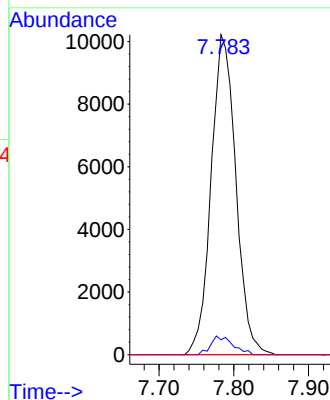
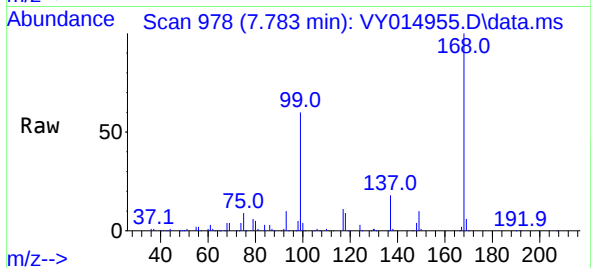




#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

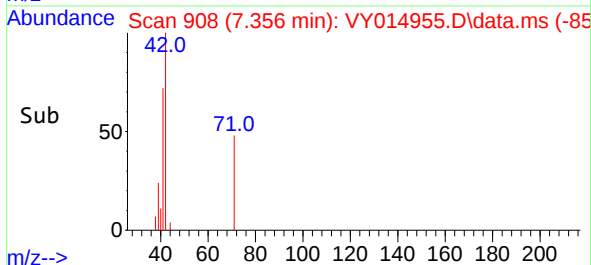
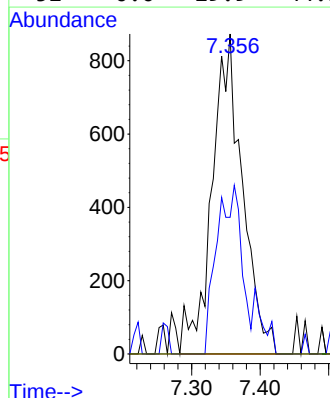
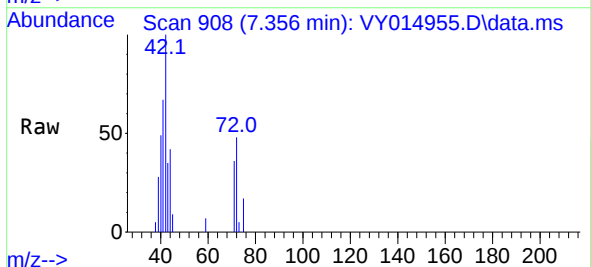
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

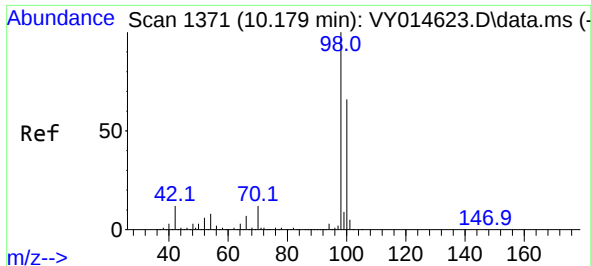
Tgt Ion:117 Resp: 23496
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.955 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 41 Resp: 2685
Ion Ratio Lower Upper
41 100
39 43.4 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

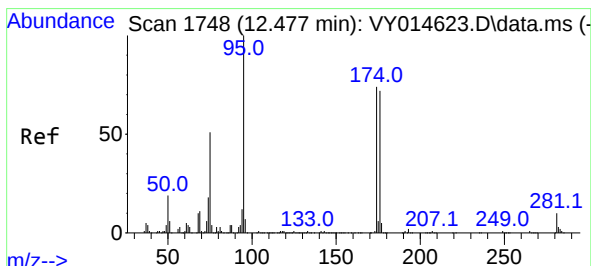
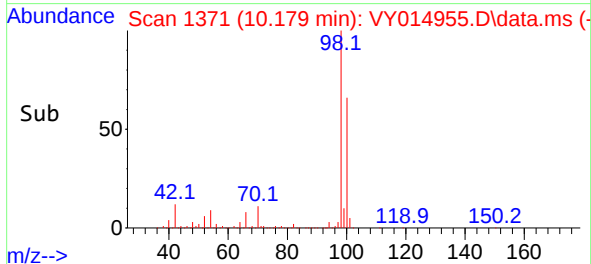
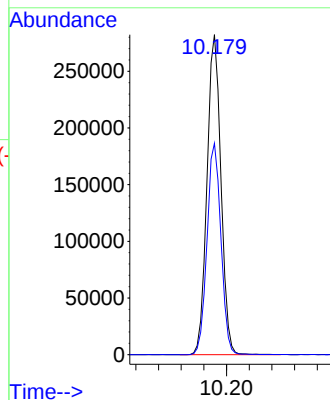
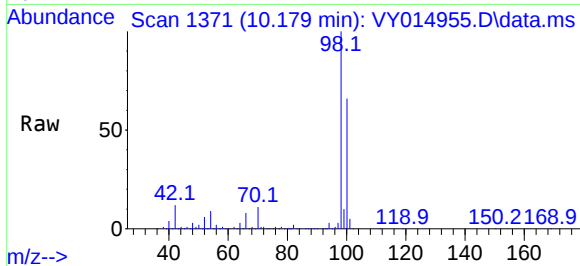




#50
Toluene-d8
Concen: 50.228 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

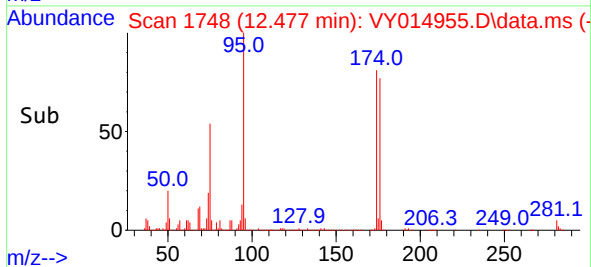
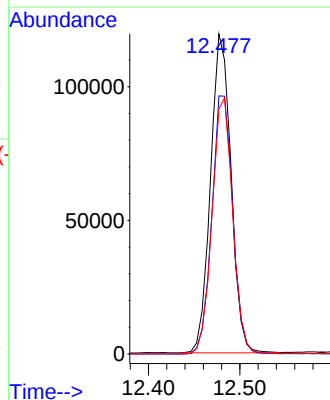
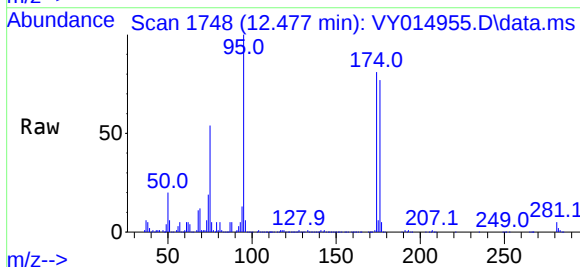
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

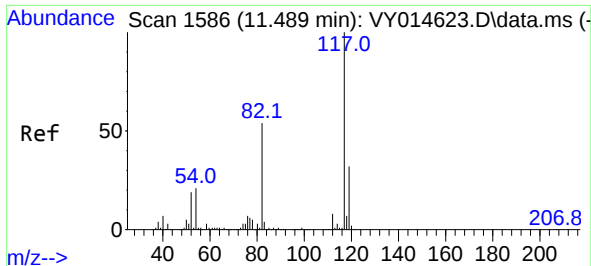
Tgt Ion: 98 Resp: 480300
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.623 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 95 Resp: 185613
Ion Ratio Lower Upper
95 100
174 83.0 0.0 178.2
176 80.7 0.0 173.8

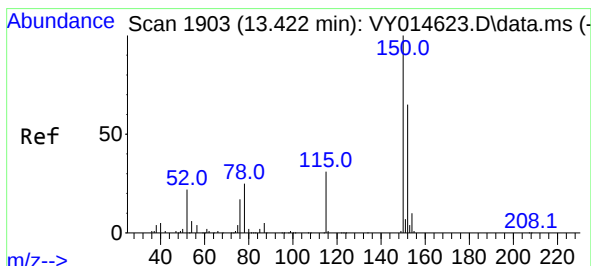
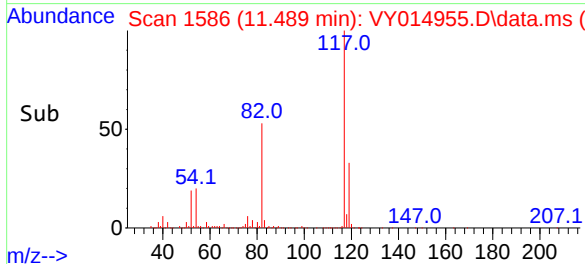
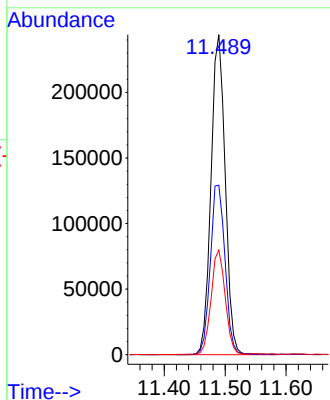
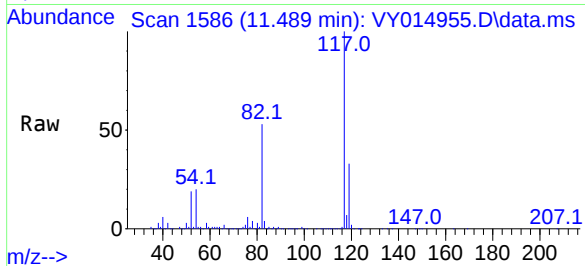




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

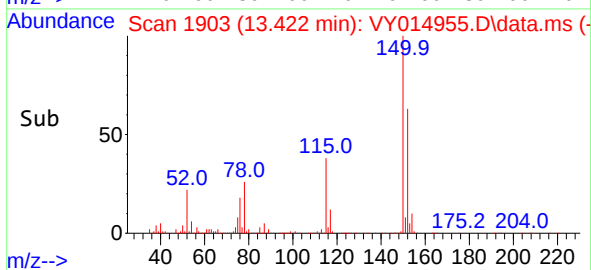
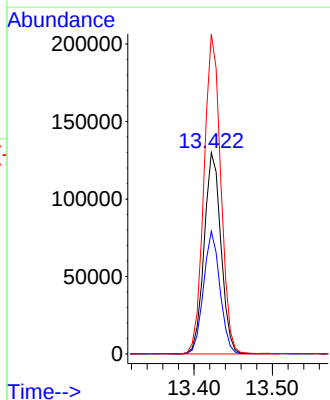
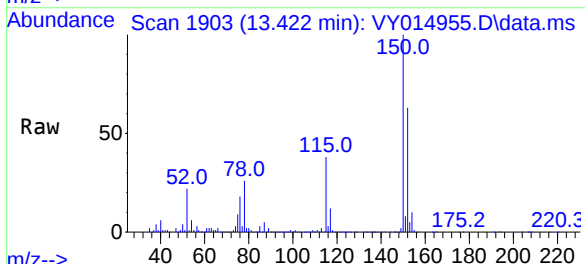
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

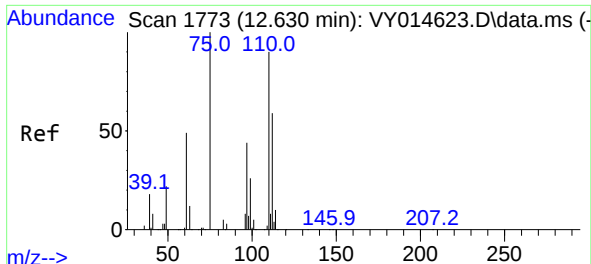
Tgt Ion:117 Resp: 394981
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion:152 Resp: 193432
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 158.6 0.0 348.8

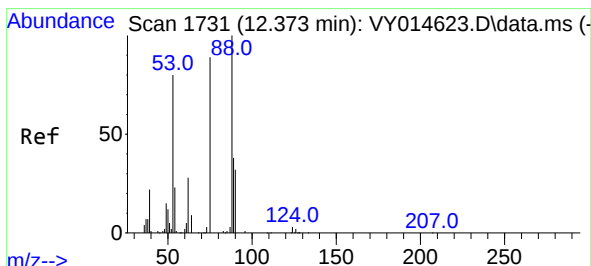
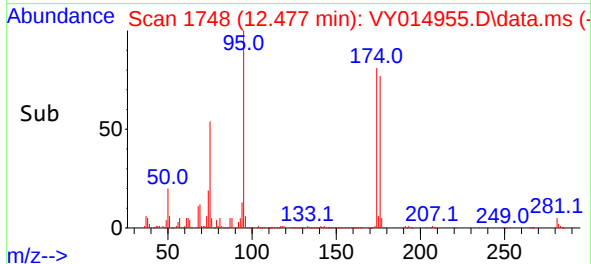
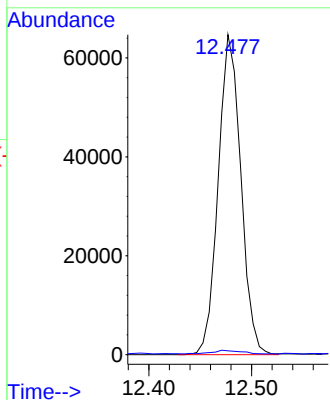
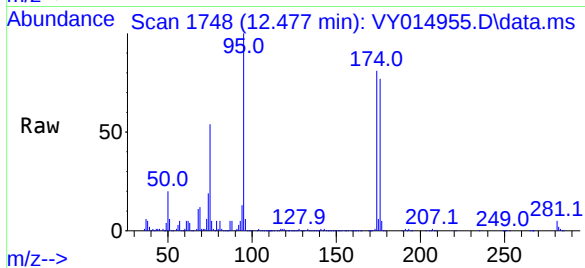




#76
1,2,3-Trichloropropane
Concen: 40.443 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP2

Tgt Ion: 75 Resp: 98801
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.304 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014955.D
Acq: 03 Aug 2023 17:49

Tgt Ion: 75 Resp: 98801
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

