

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014348.D
 Acq On : 21 Jun 2023 20:02
 Operator : KP/MD
 Sample : 03358-05
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(8-10)

Quant Time: Jun 22 01:59:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

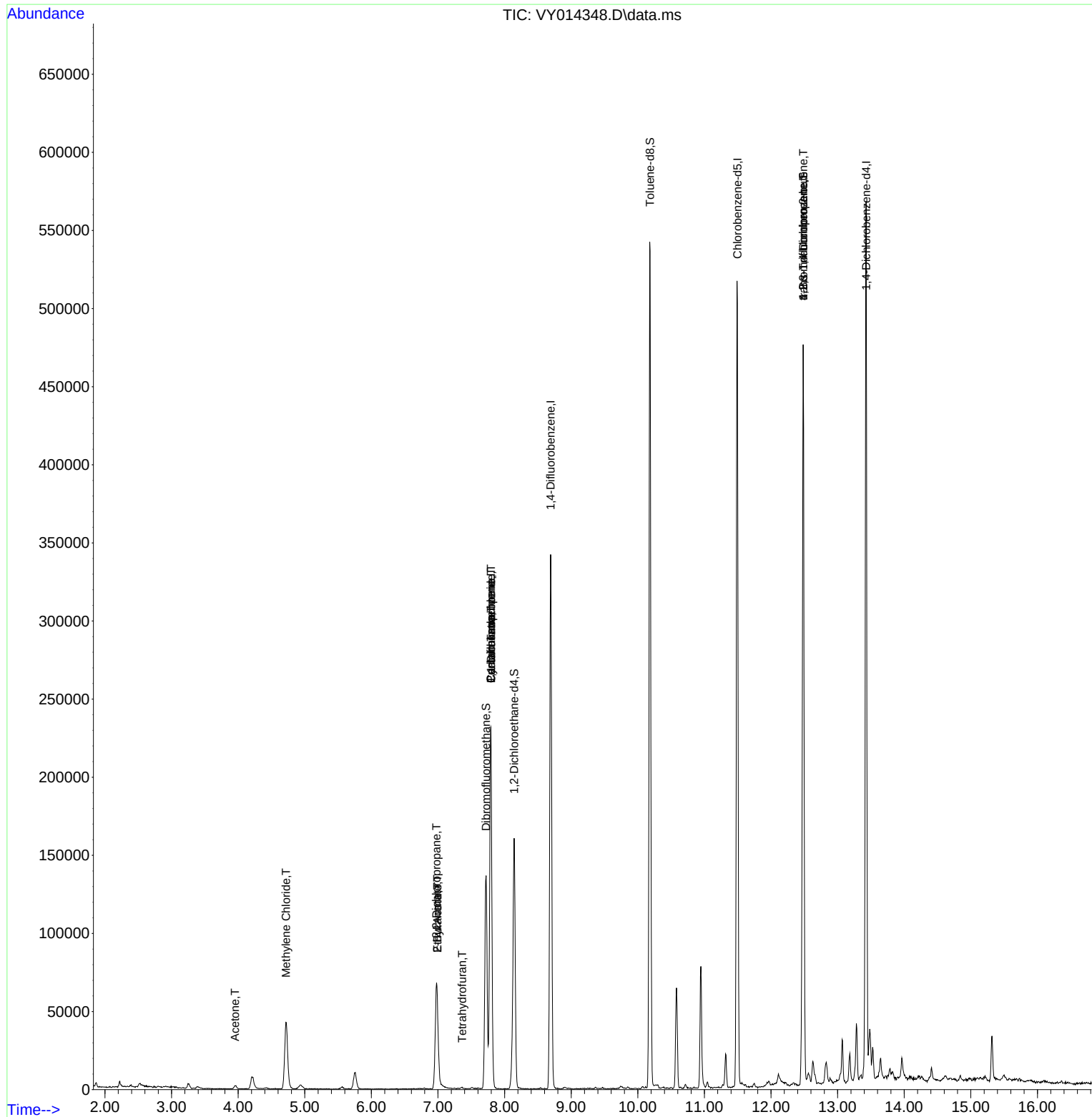
Internal Standards						
1) Pentafluorobenzene	7.795	168	183828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	292091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	285212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	125894	49.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.360%
35) Dibromofluoromethane	7.722	113	95811	46.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.185	98	356134	45.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.980%
62) 4-Bromofluorobenzene	12.483	95	126385	45.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.880%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	3460	Below Cal	#	89
16) Acetone	3.954	43	3957	5.128	ug/l	91
20) Methylene Chloride	4.716	84	31591	9.953	ug/l	100
25) 2-Butanone	6.990	43	8584	9.037	ug/l	99
26) 2,2-Dichloropropane	6.978	77	5027	1.274	ug/l #	54
29) Tetrahydrofuran	7.362	42	632	1.049	ug/l #	48
31) Cyclohexane	7.795	56	4135	1.206	ug/l #	25
36) 1,1-Dichloropropene	7.795	75	14373	4.451	ug/l #	50
37) Ethyl Acetate	6.990	43	8584	3.852	ug/l #	45
38) Carbon Tetrachloride	7.795	117	17984	4.826	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	68722	37.007	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68722	79.995	ug/l #	11

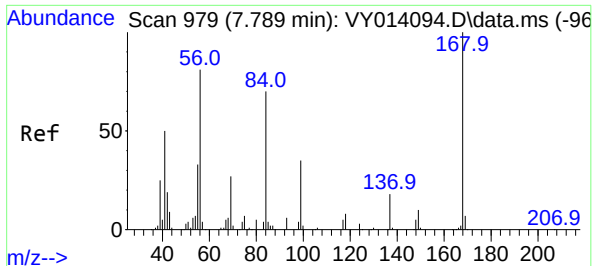
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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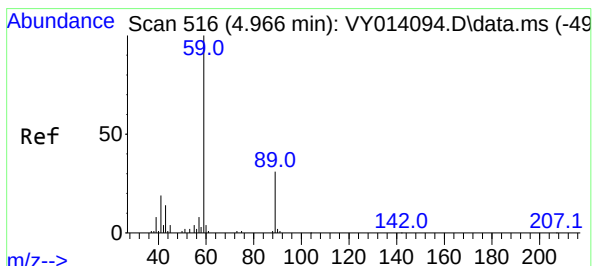
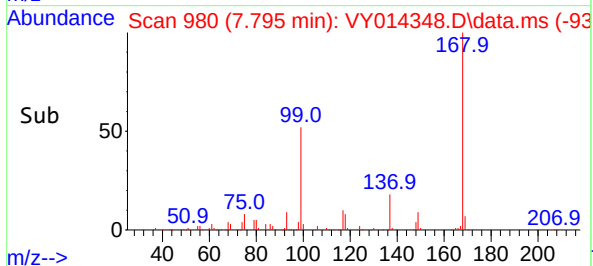
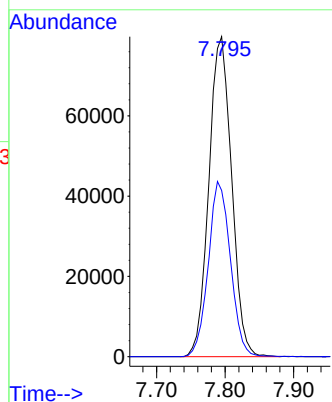
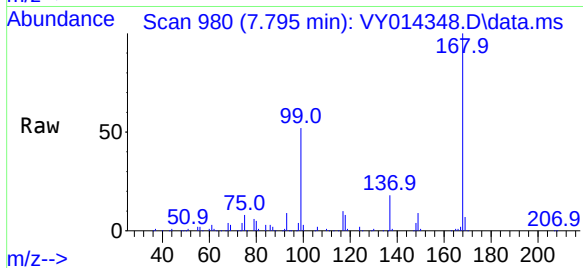




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

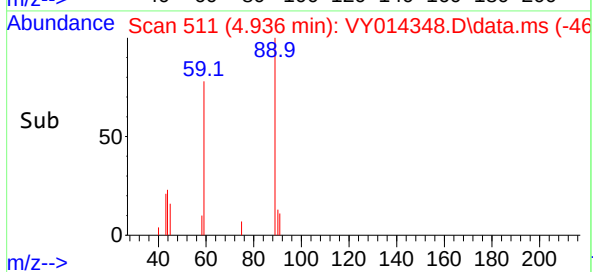
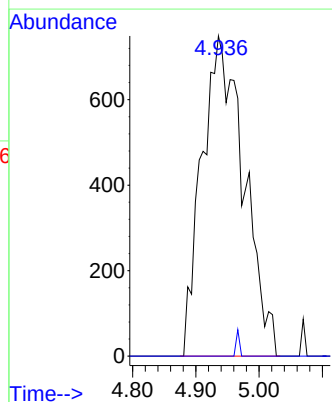
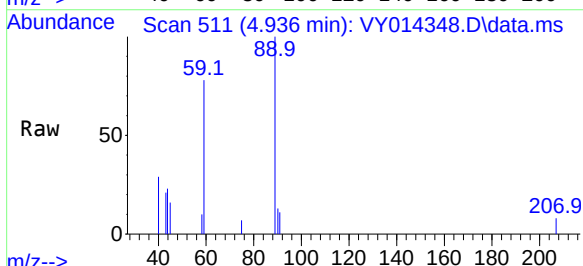
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

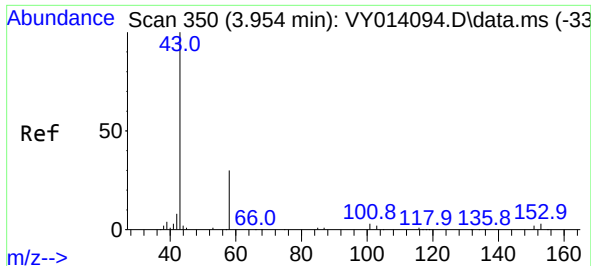
Tgt Ion:168 Resp: 183828
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 59 Resp: 3460
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

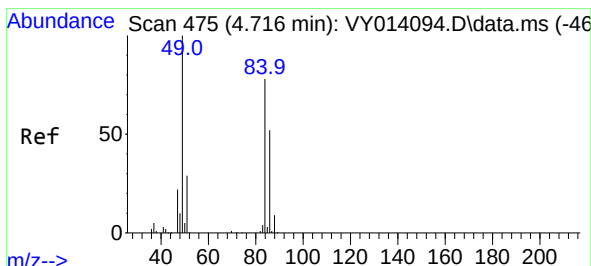
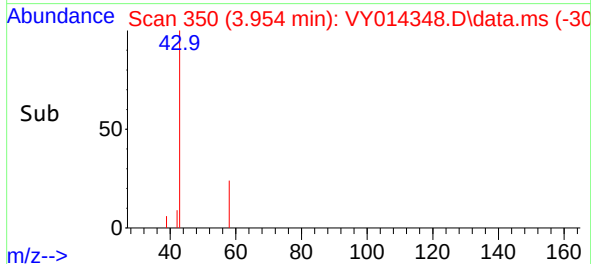
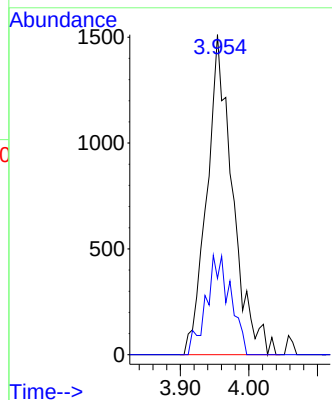
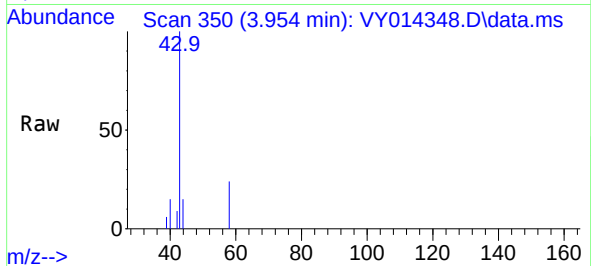




#16
Acetone
Concen: 5.128 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

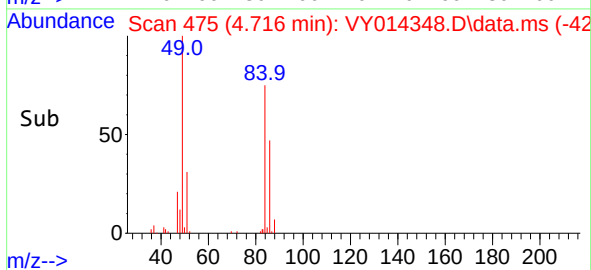
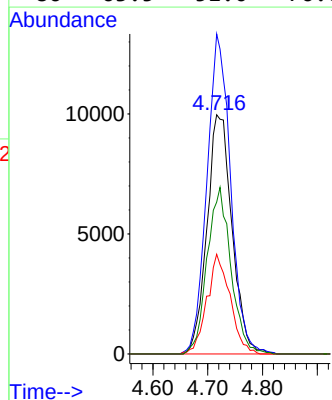
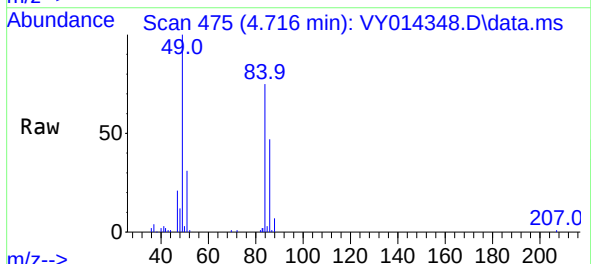
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

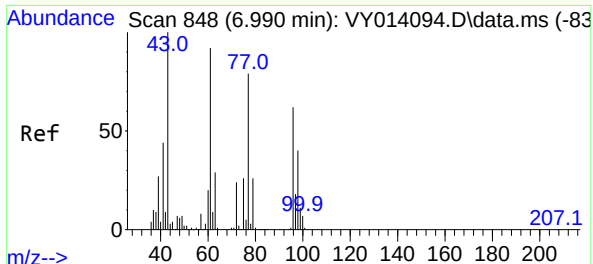
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
58 23.9 22.7 34.1



#20
Methylene Chloride
Concen: 9.953 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 84 Resp: 31591
Ion Ratio Lower Upper
84 100
49 133.8 106.9 160.3
51 41.7 33.2 49.8
86 63.5 51.0 76.6





#25

2-Butanone

Concen: 9.037 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY014348.D

Acq: 21 Jun 2023 20:02

Instrument :

MSVOA_Y

ClientSampleId :

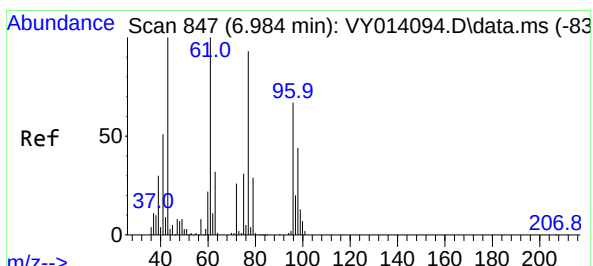
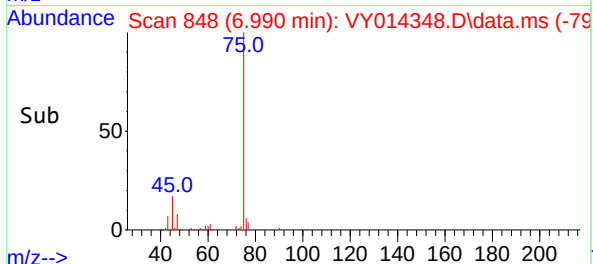
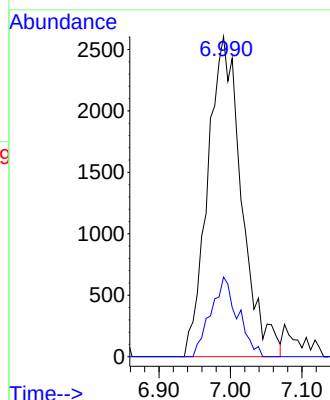
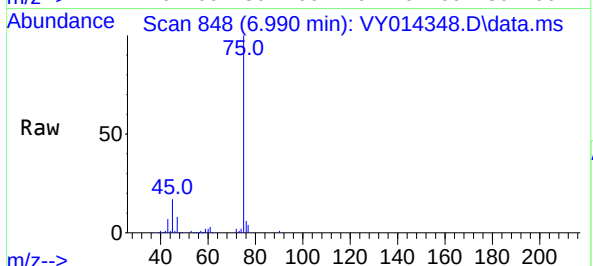
SB-4-(8-10)

Tgt Ion: 43 Resp: 8584

Ion Ratio Lower Upper

43 100

72 24.9 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.274 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014348.D

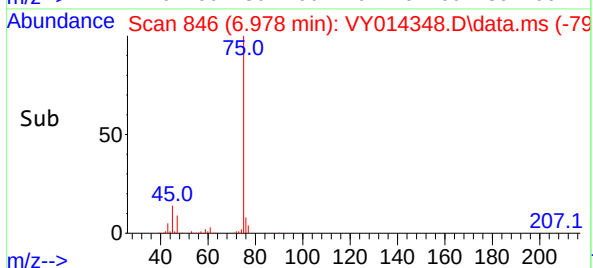
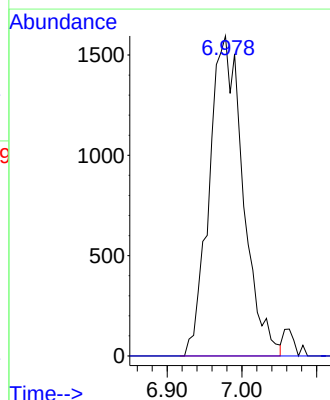
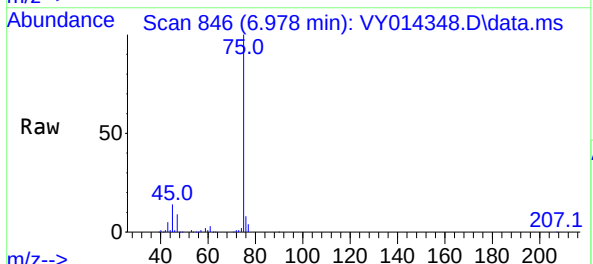
Acq: 21 Jun 2023 20:02

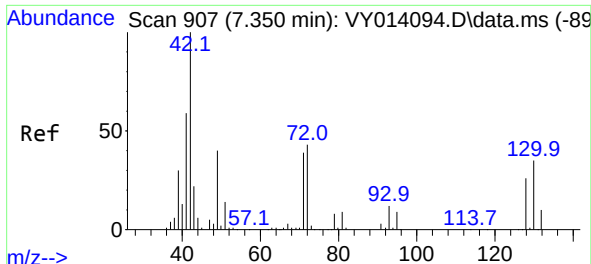
Tgt Ion: 77 Resp: 5027

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

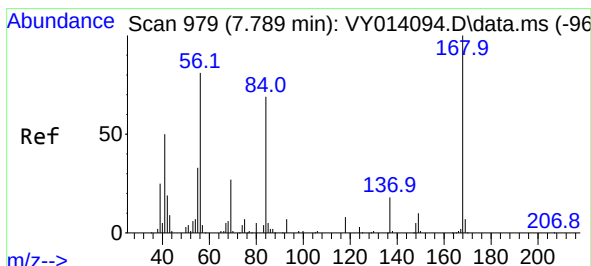
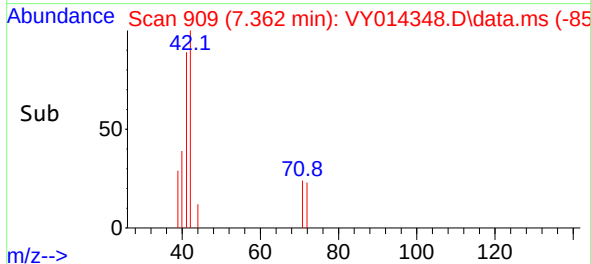
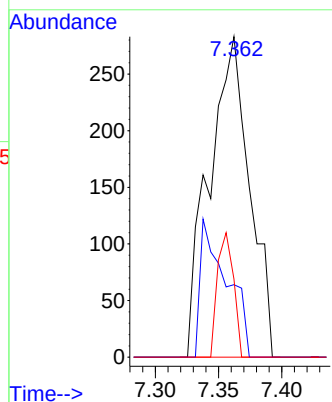
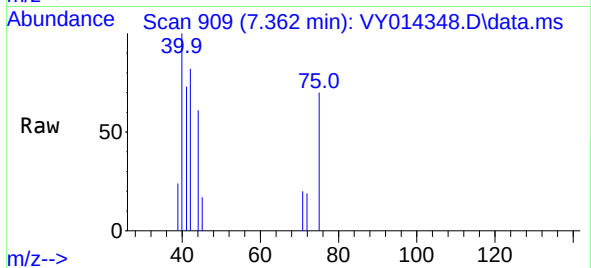




#29
Tetrahydrofuran
Concen: 1.049 ug/l
RT: 7.362 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

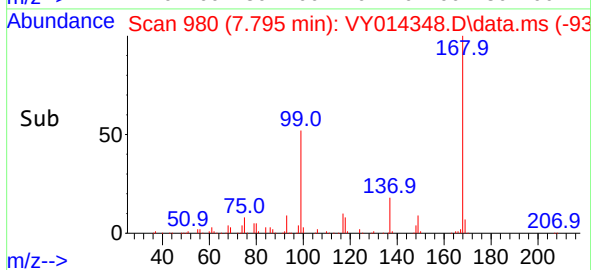
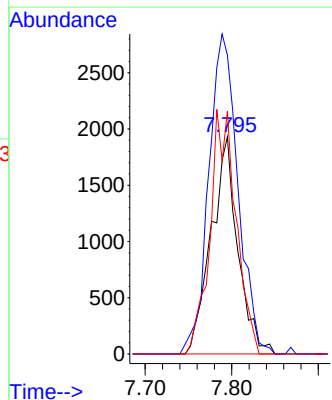
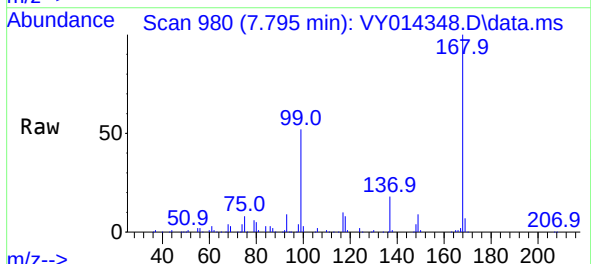
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

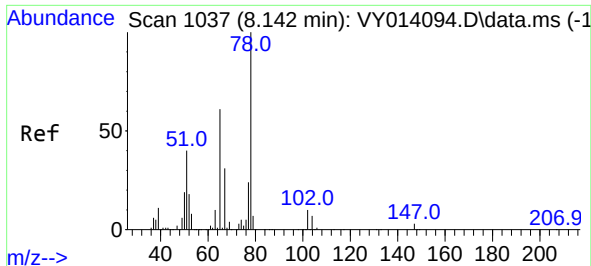
Tgt Ion: 42 Resp: 632
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 15.3 31.0 46.4#



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 56 Resp: 4135
Ion Ratio Lower Upper
56 100
69 137.6 27.8 41.6#
84 111.9 66.4 99.6#

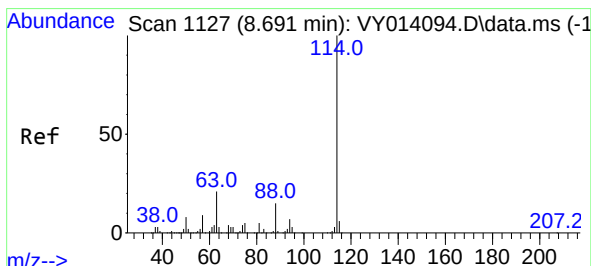
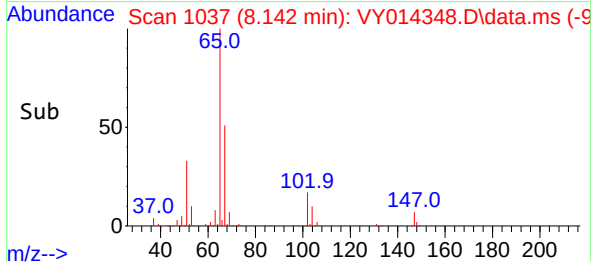
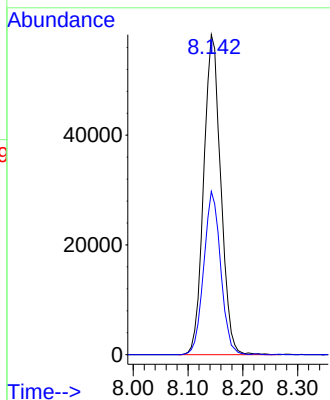
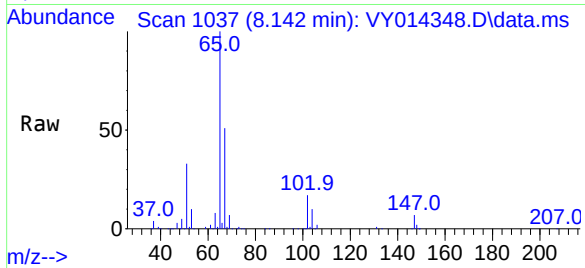




#33
 1,2-Dichloroethane-d4
 Concen: 49.181 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014348.D
 Acq: 21 Jun 2023 20:02

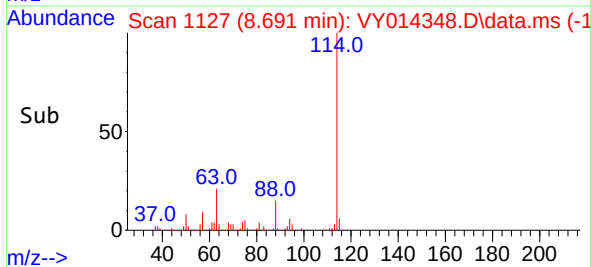
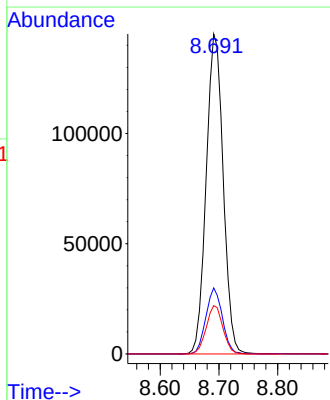
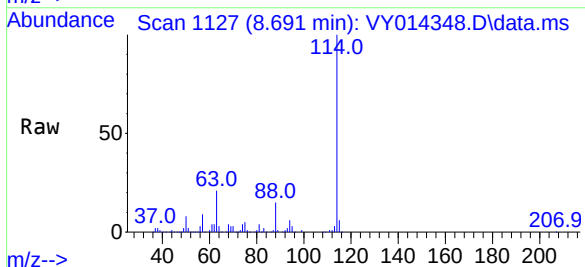
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(8-10)

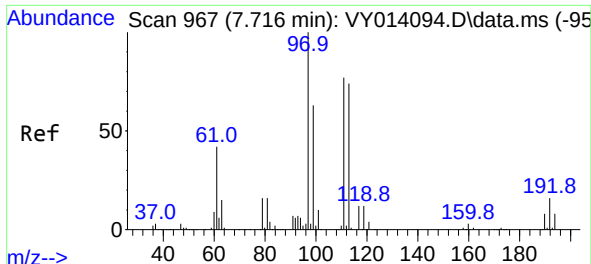
Tgt Ion: 65 Resp: 125894
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014348.D
 Acq: 21 Jun 2023 20:02

Tgt Ion: 114 Resp: 292091
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 15.1 0.0 30.6

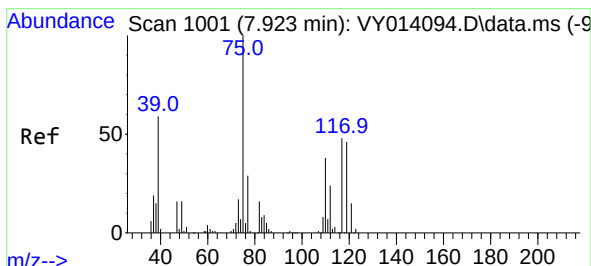
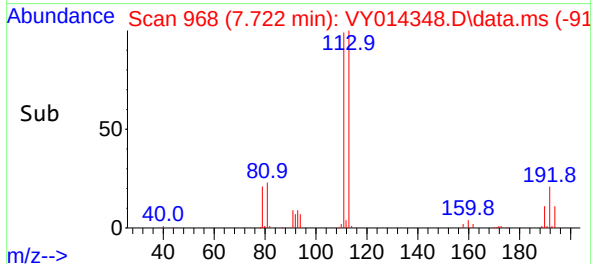
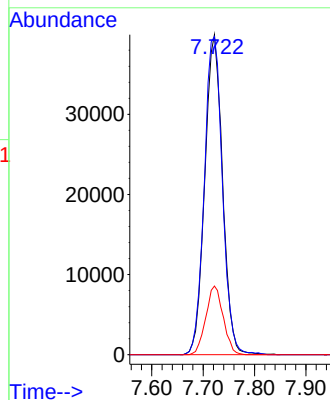
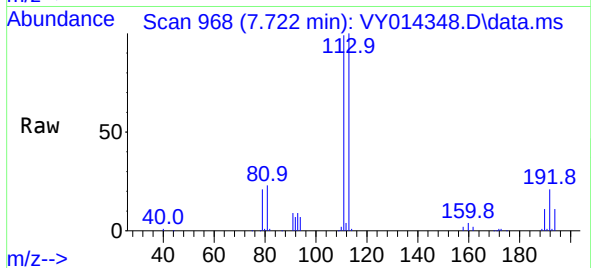




#35
Dibromofluoromethane
Concen: 46.253 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

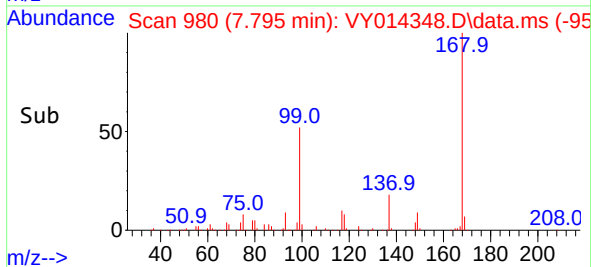
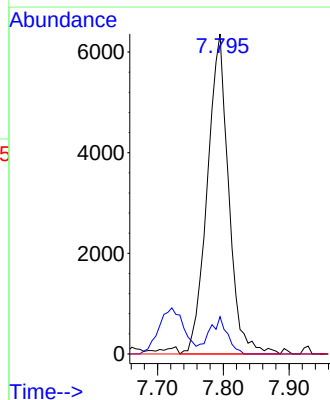
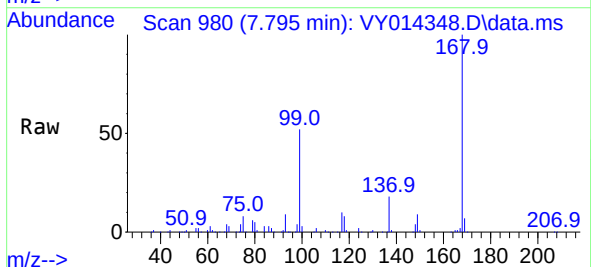
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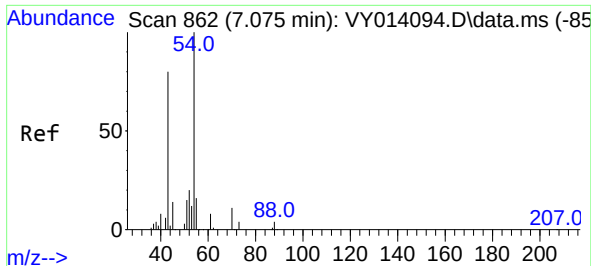
Tgt Ion:113 Resp: 95811
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.451 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 75 Resp: 14373
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#

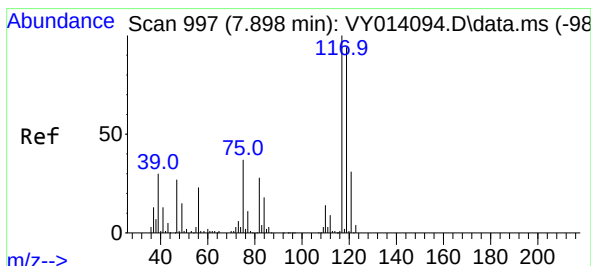
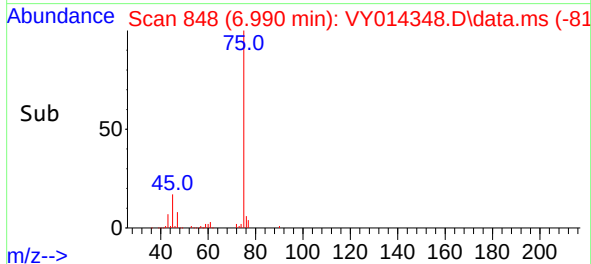
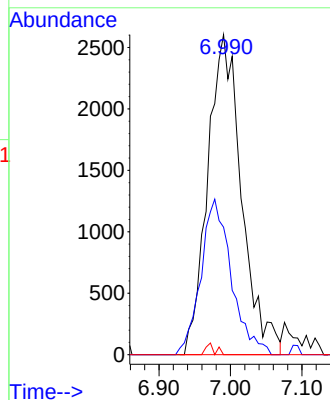
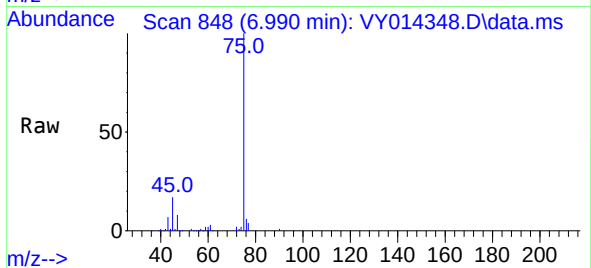




#37
Ethyl Acetate
Concen: 3.852 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

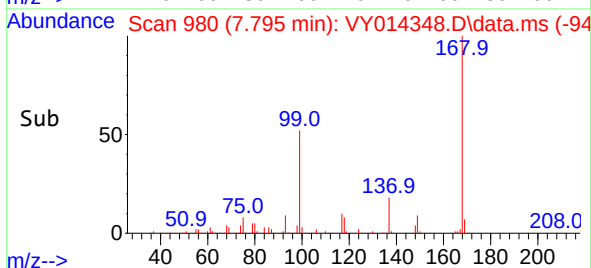
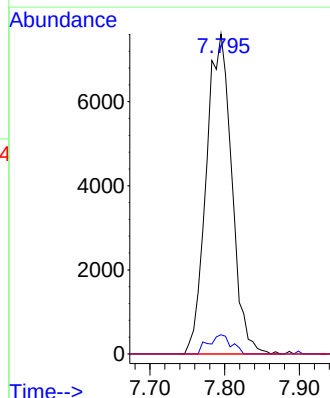
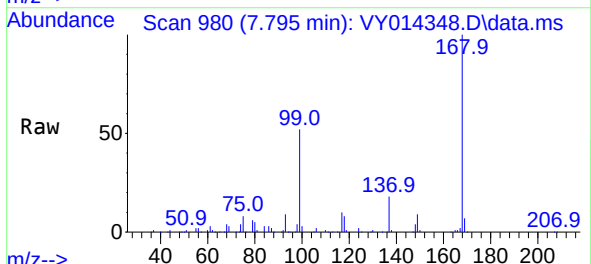
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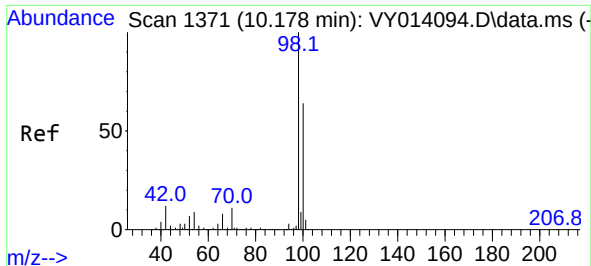
Tgt Ion: 43 Resp: 8584
Ion Ratio Lower Upper
43 100
61 43.8 10.1 15.1#
70 0.9 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 117 Resp: 17984
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

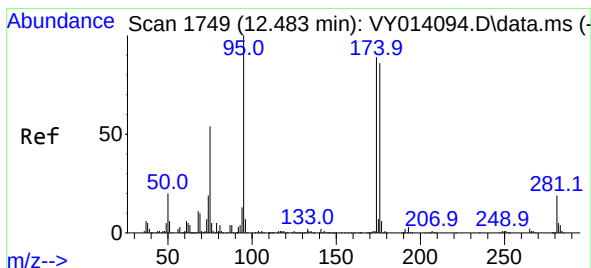
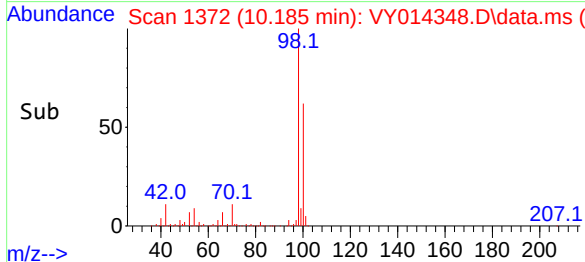
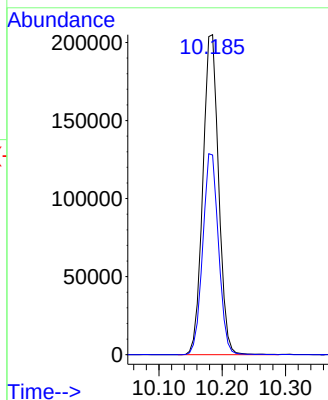
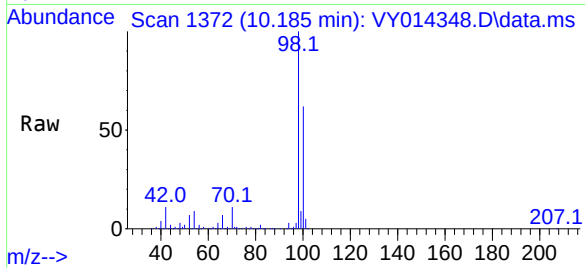




#50
Toluene-d8
Concen: 45.987 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

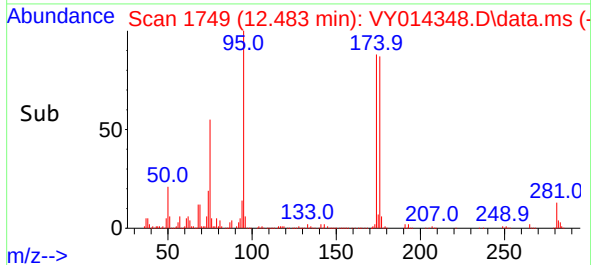
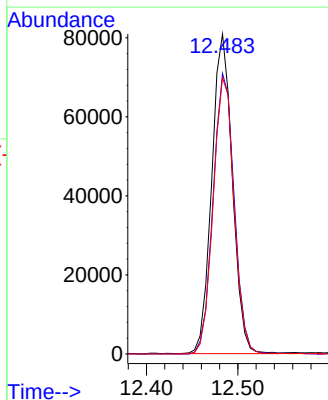
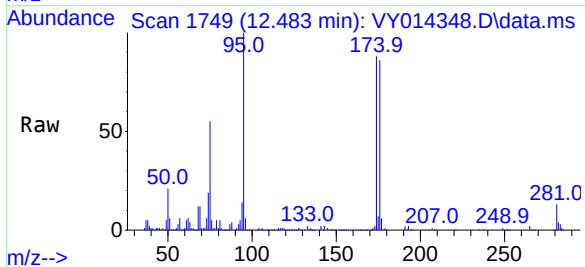
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

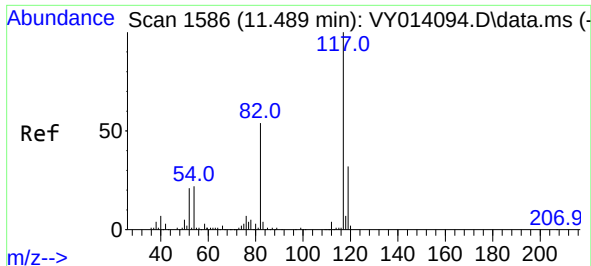
Tgt Ion: 98 Resp: 356134
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 95 Resp: 126385
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.2
176 87.7 0.0 173.8

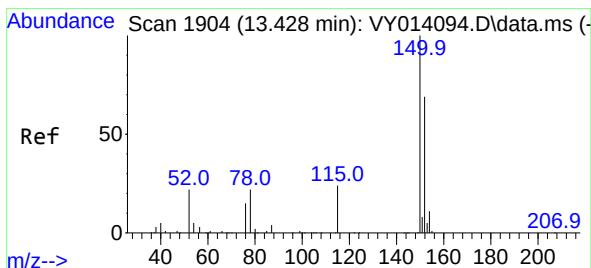
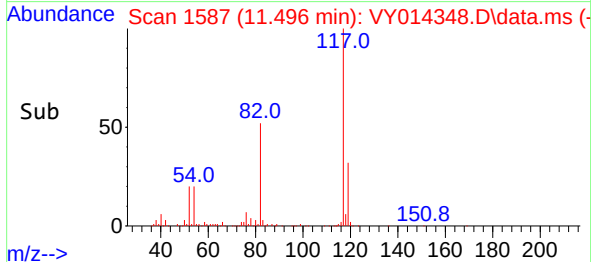
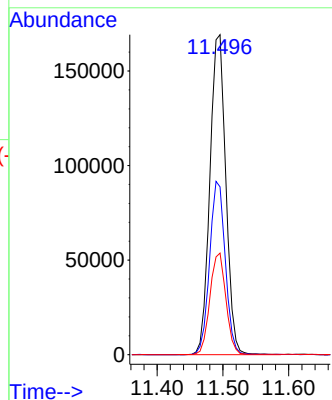
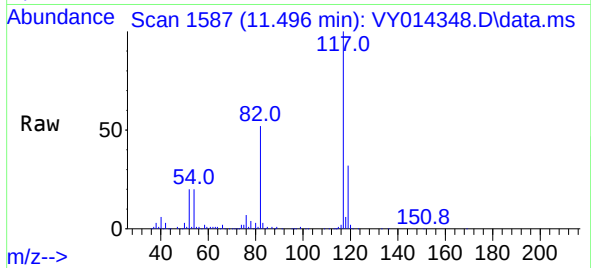




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

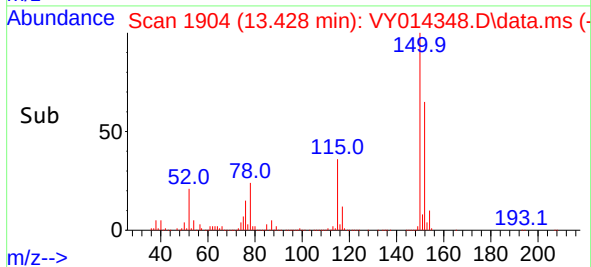
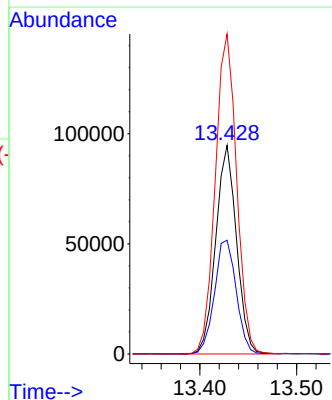
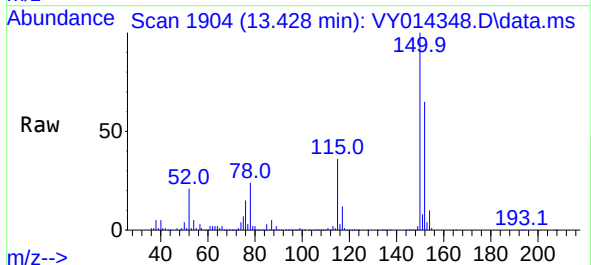
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

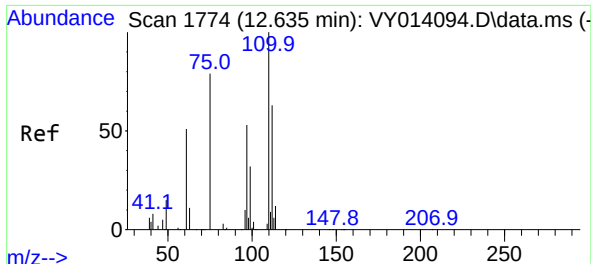
Tgt Ion:117 Resp: 285212
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 31.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion:152 Resp: 141542
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 157.5 0.0 348.8

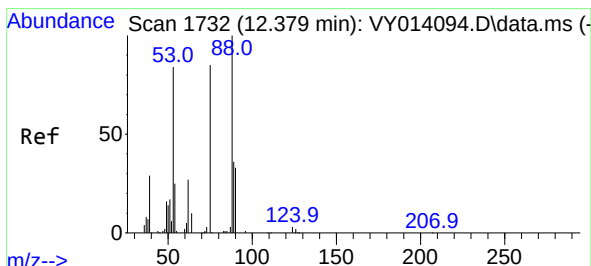
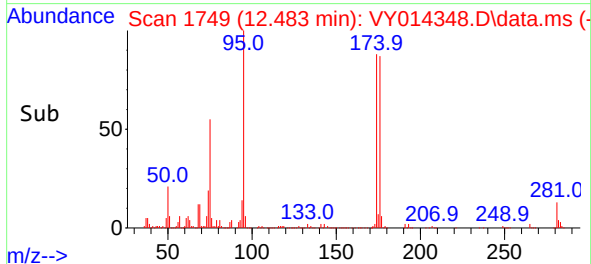
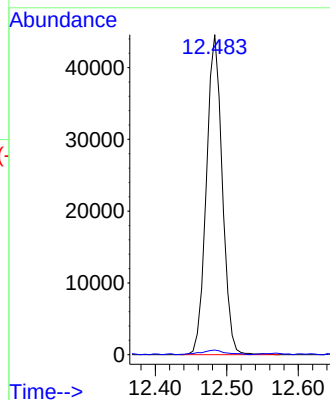
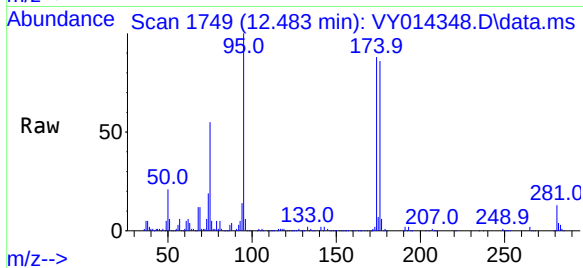




#76
1,2,3-Trichloropropane
Concen: 37.007 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(8-10)

Tgt Ion: 75 Resp: 68722
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.995 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014348.D
Acq: 21 Jun 2023 20:02

Tgt Ion: 75 Resp: 68722
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

