

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014347.D
 Acq On : 21 Jun 2023 19:38
 Operator : KP/MD
 Sample : 03358-04
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(0-2)

Quant Time: Jun 22 01:59:04 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)

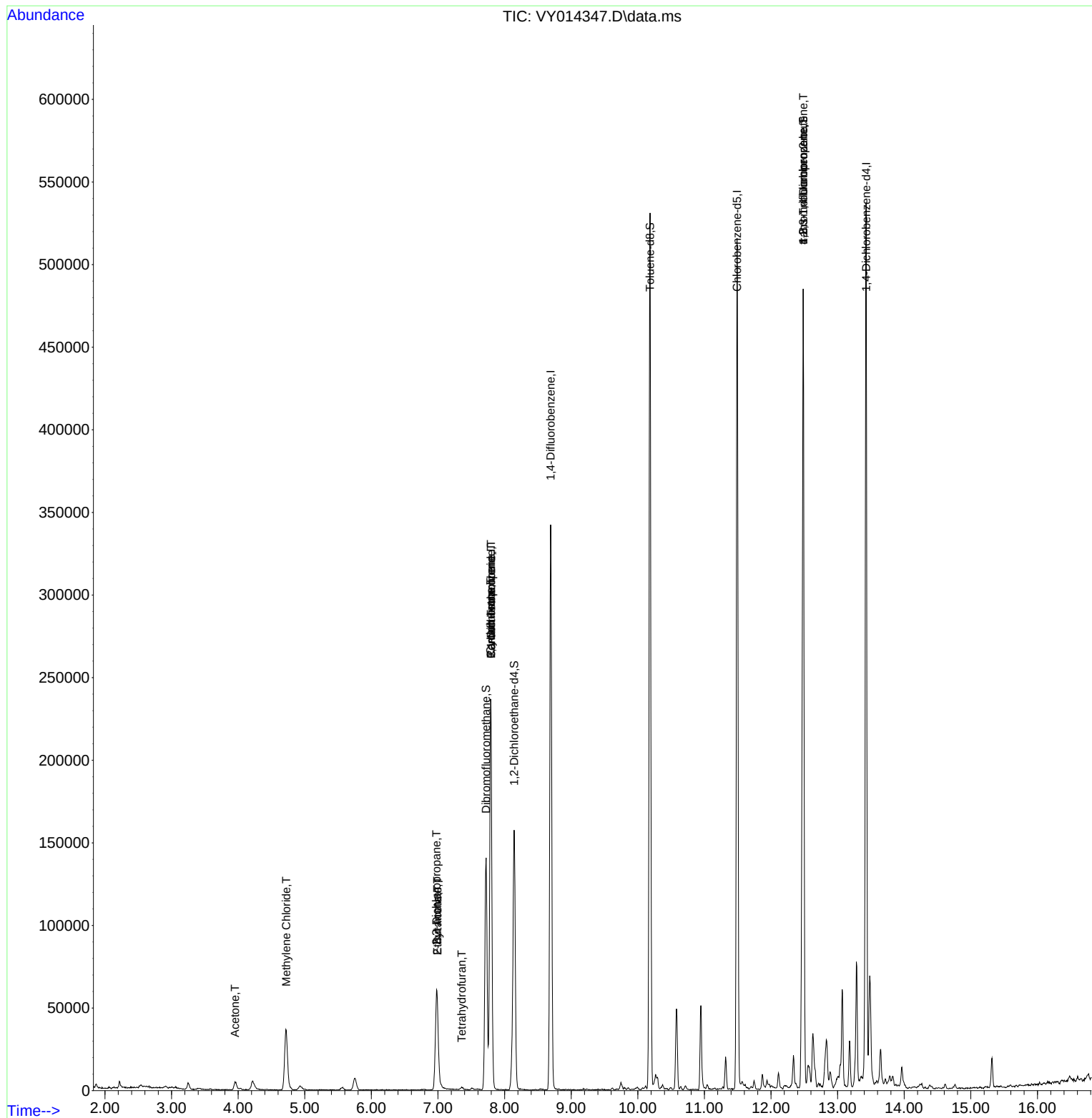
Internal Standards						
1) Pentafluorobenzene	7.795	168	185156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	126350	49.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.000%		
35) Dibromofluoromethane	7.722	113	95461	46.154	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.300%		
50) Toluene-d8	10.185	98	350935	45.384	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.760%		
62) 4-Bromofluorobenzene	12.483	95	123589	44.993	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1666	Below Cal	#	89
16) Acetone	3.954	43	9021	11.607	ug/l #	88
20) Methylene Chloride	4.722	84	27150	7.925	ug/l #	83
25) 2-Butanone	6.990	43	4563	4.770	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	4445	1.119	ug/l #	54
29) Tetrahydrofuran	7.356	42	684	1.128	ug/l #	88
31) Cyclohexane	7.789	56	4188	1.213	ug/l #	15
36) 1,1-Dichloropropene	7.795	75	13836	4.291	ug/l #	51
37) Ethyl Acetate	6.990	43	4563	2.051	ug/l #	1
38) Carbon Tetrachloride	7.795	117	17908	4.813	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	67271	38.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67271	82.813	ug/l #	13

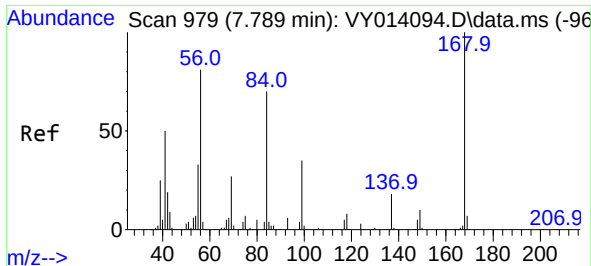
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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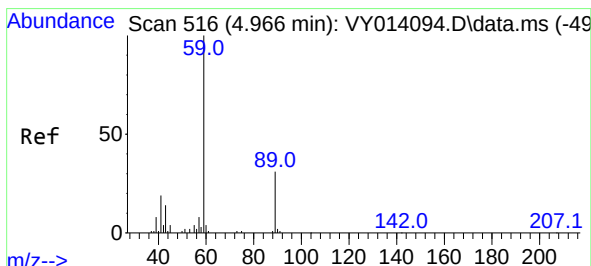
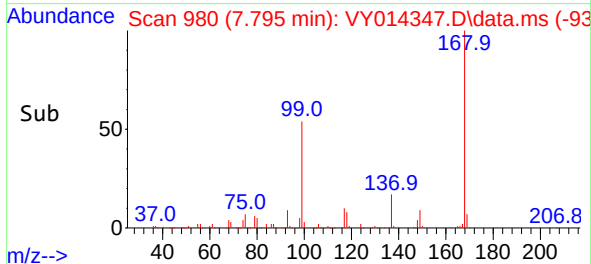
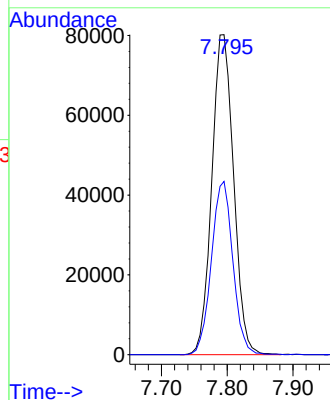
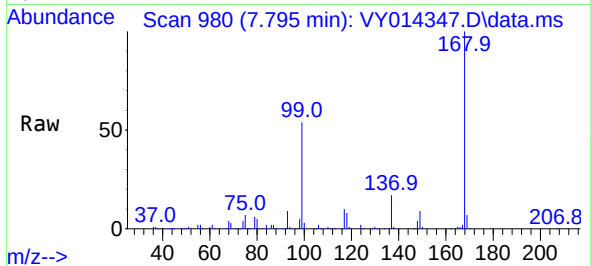




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

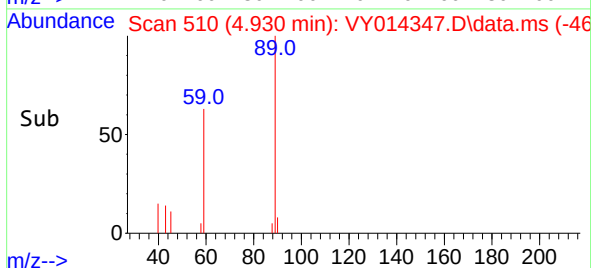
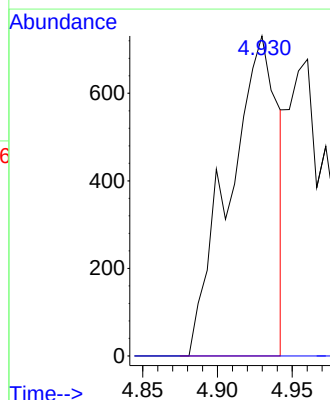
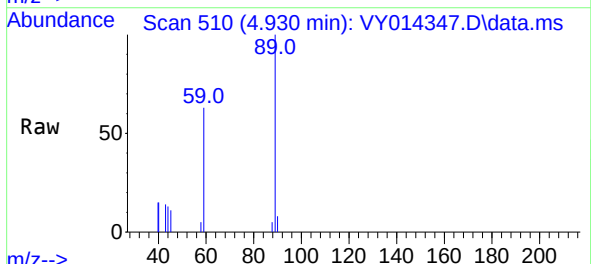
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

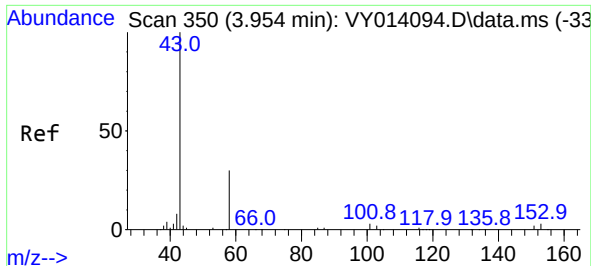
Tgt Ion:168 Resp: 185156
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 59 Resp: 1666
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

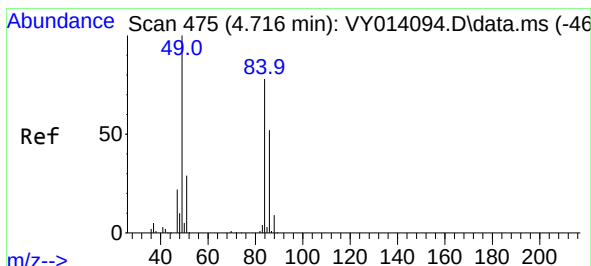
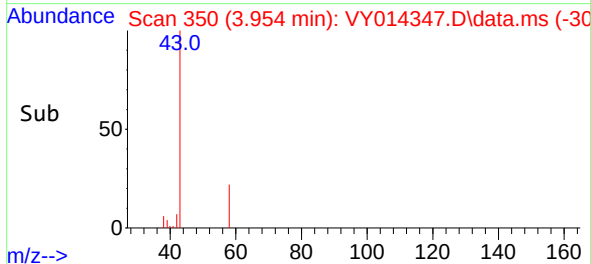
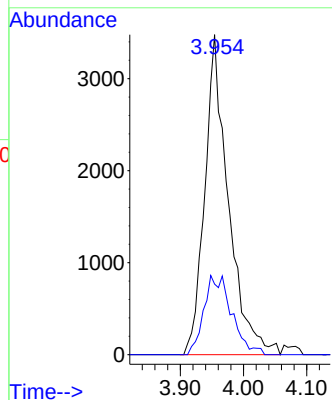
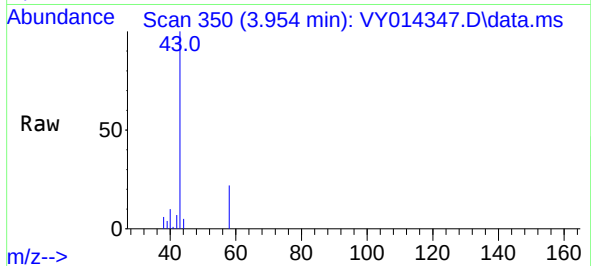




#16
Acetone
Concen: 11.607 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

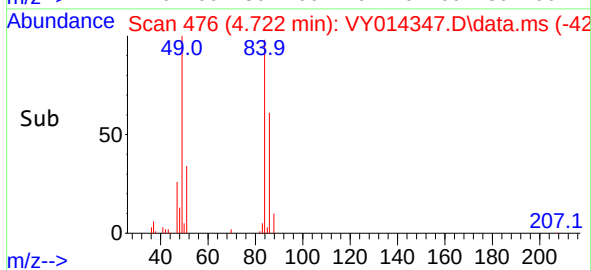
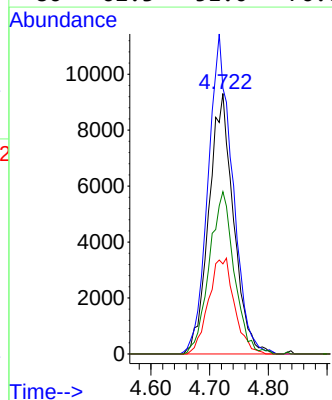
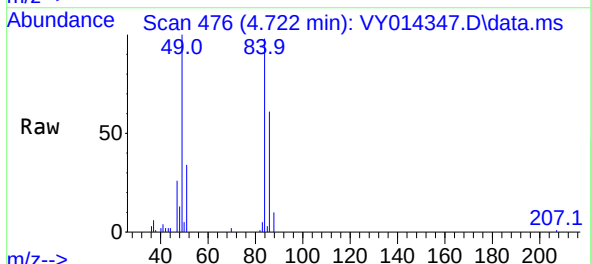
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

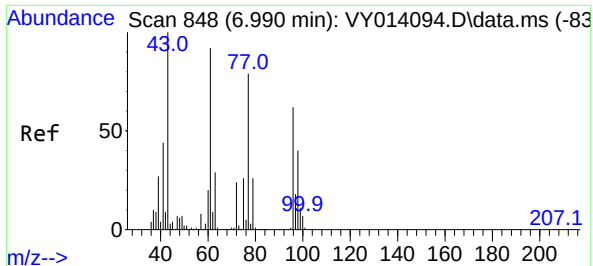
Tgt Ion: 43 Resp: 9021
Ion Ratio Lower Upper
43 100
58 22.1 22.7 34.1#



#20
Methylene Chloride
Concen: 7.925 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 84 Resp: 27150
Ion Ratio Lower Upper
84 100
49 102.1 106.9 160.3#
51 34.6 33.2 49.8
86 62.3 51.0 76.6

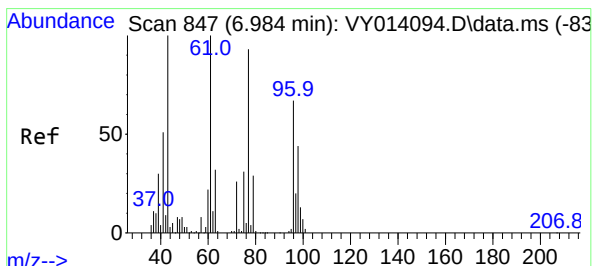
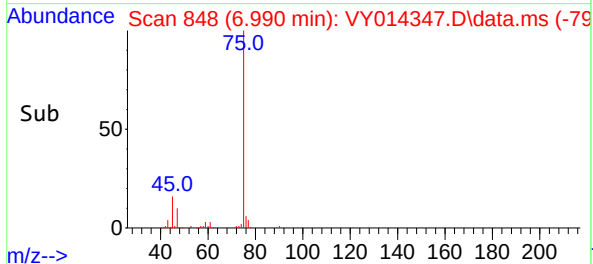
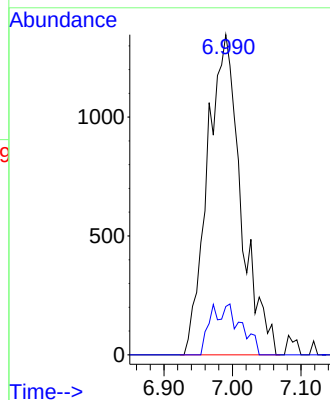
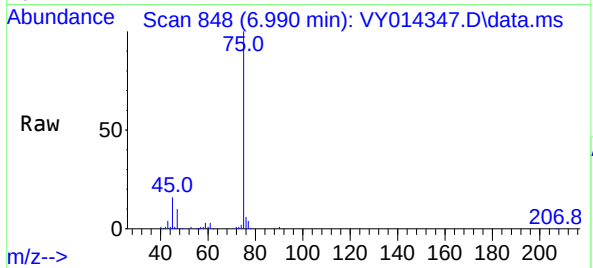




#25
2-Butanone
Concen: 4.770 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

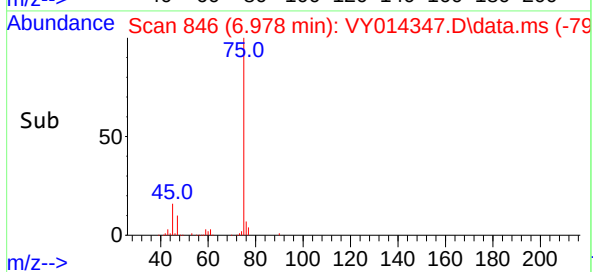
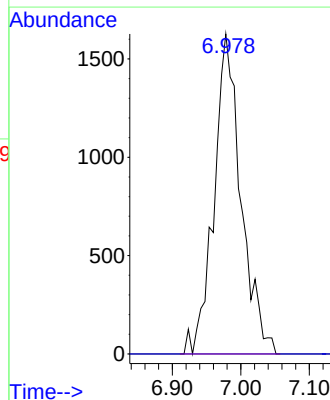
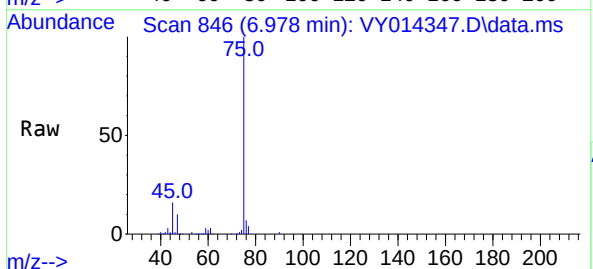
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

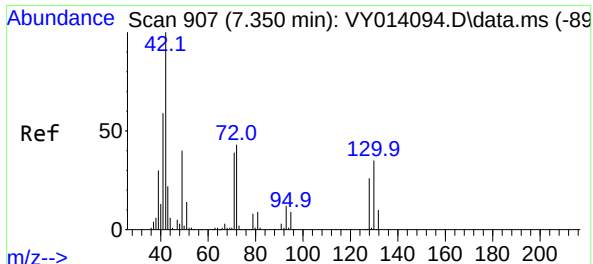
Tgt Ion: 43 Resp: 4563
Ion Ratio Lower Upper
43 100
72 15.1 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.119 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 77 Resp: 4445
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.128 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014347.D

Acq: 21 Jun 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(0-2)

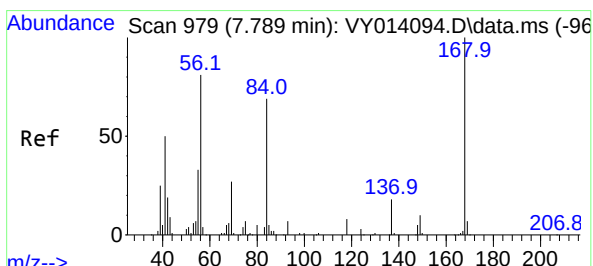
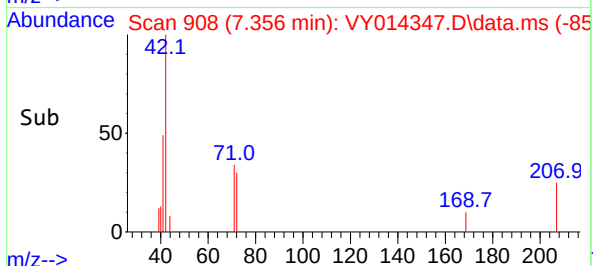
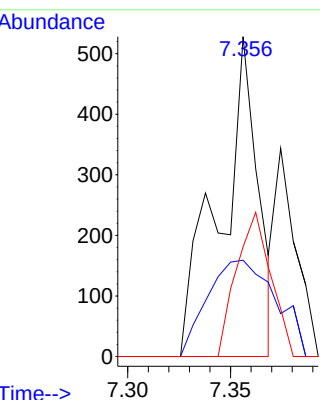
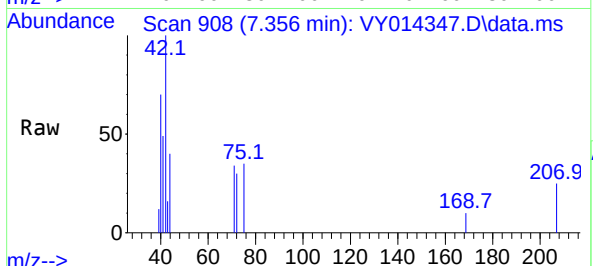
Tgt Ion: 42 Resp: 684

Ion Ratio Lower Upper

42 100

72 53.8 32.8 49.2#

71 40.5 31.0 46.4



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014347.D

Acq: 21 Jun 2023 19:38

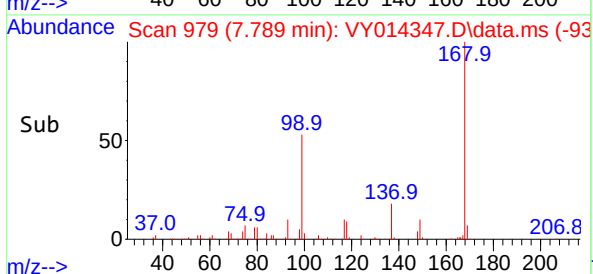
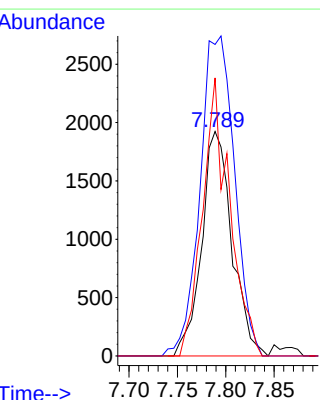
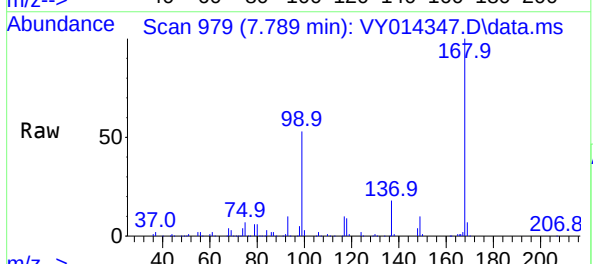
Tgt Ion: 56 Resp: 4188

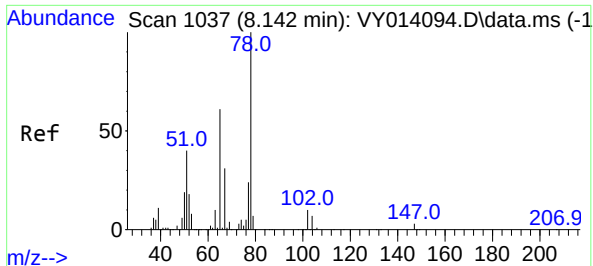
Ion Ratio Lower Upper

56 100

69 138.8 27.8 41.6#

84 123.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.005 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014347.D

Acq: 21 Jun 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

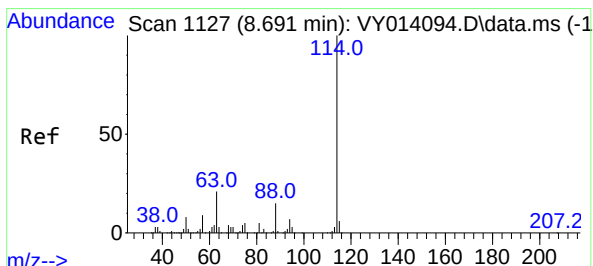
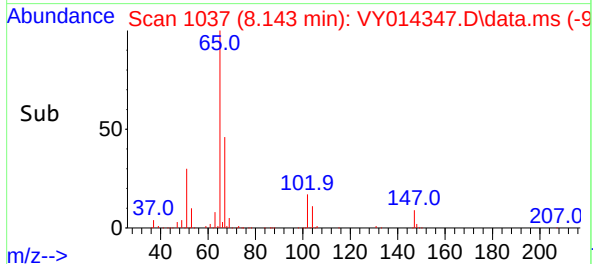
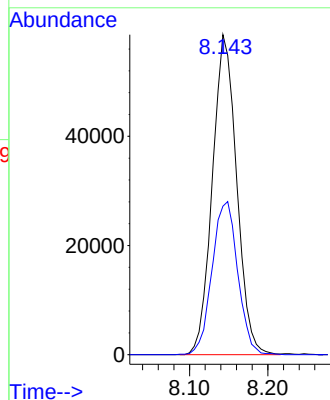
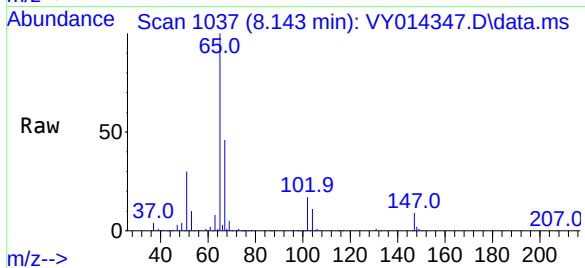
SB-4-(0-2)

Tgt Ion: 65 Resp: 126350

Ion Ratio Lower Upper

65 100

67 50.6 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: VY014347.D

Acq: 21 Jun 2023 19:38

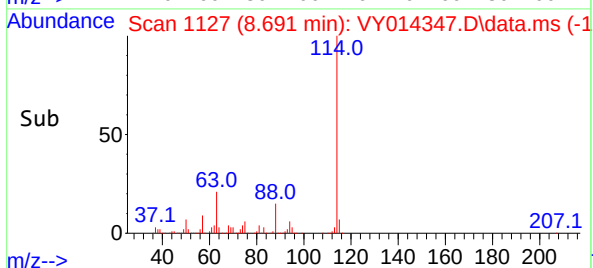
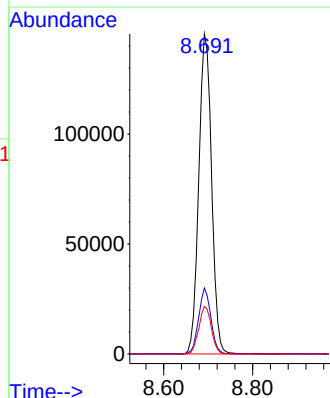
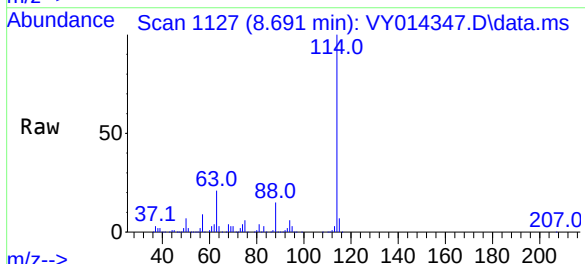
Tgt Ion: 114 Resp: 291650

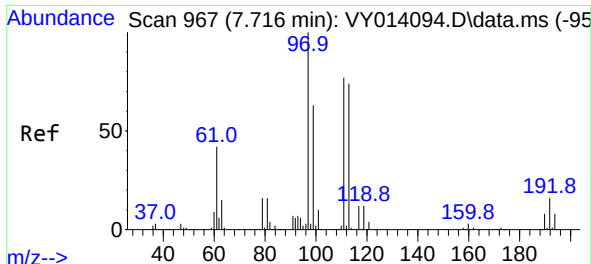
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 14.9 0.0 30.6

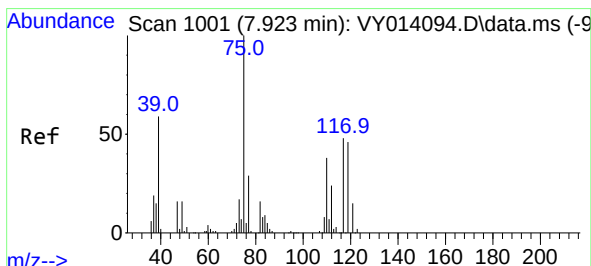
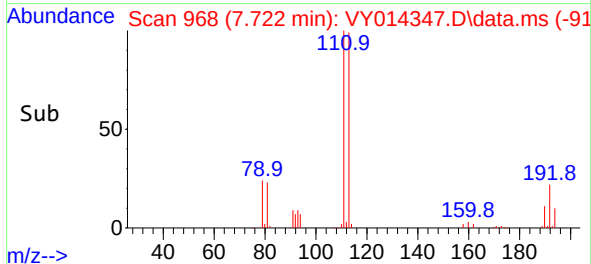
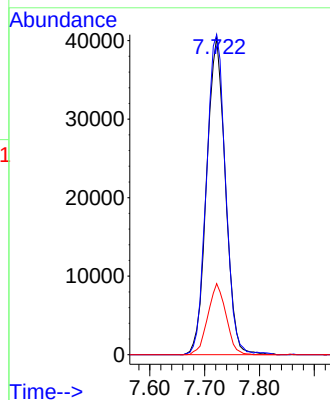
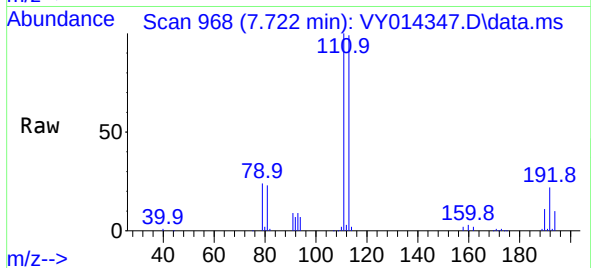




#35
Dibromofluoromethane
Concen: 46.154 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

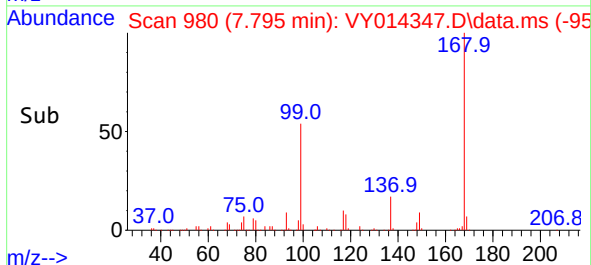
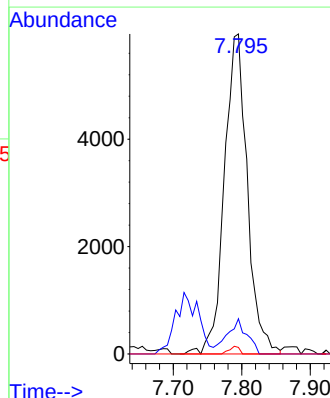
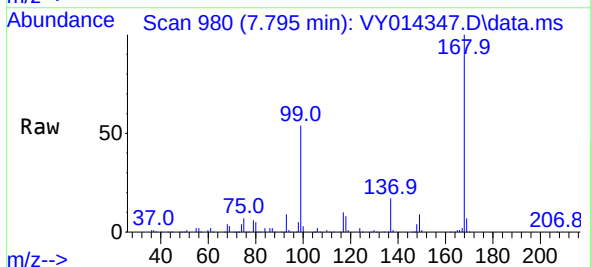
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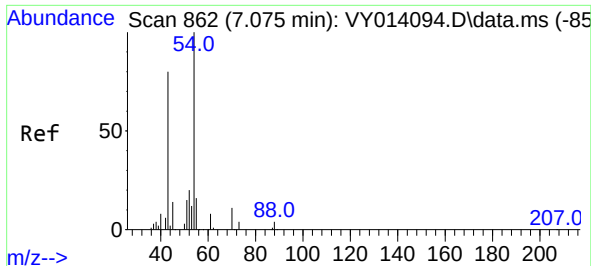
Tgt Ion:113 Resp: 95461
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 21.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.291 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 75 Resp: 13836
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 1.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.051 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY014347.D

Acq: 21 Jun 2023 19:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(0-2)

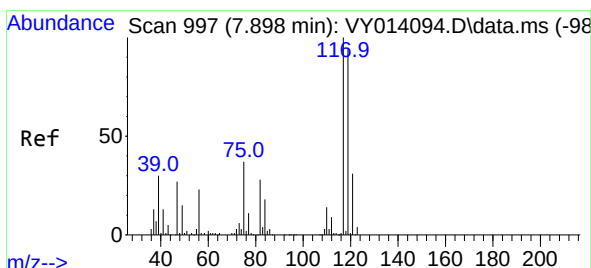
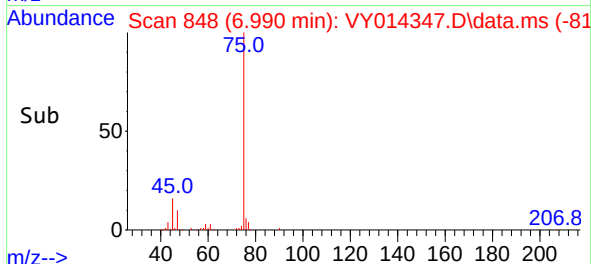
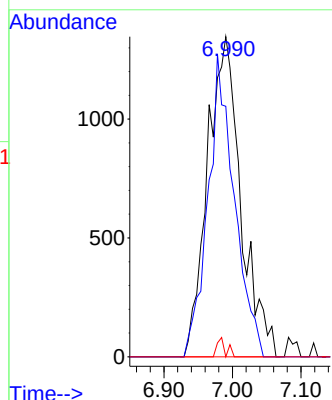
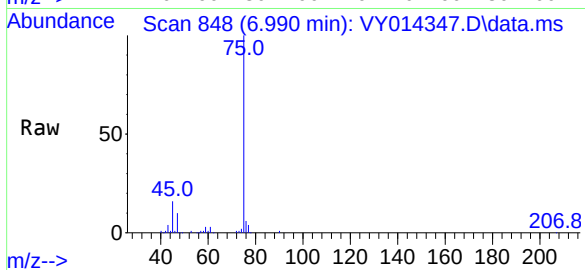
Tgt Ion: 43 Resp: 4563

Ion Ratio Lower Upper

43 100

61 74.8 10.1 15.1#

70 1.5 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.813 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014347.D

Acq: 21 Jun 2023 19:38

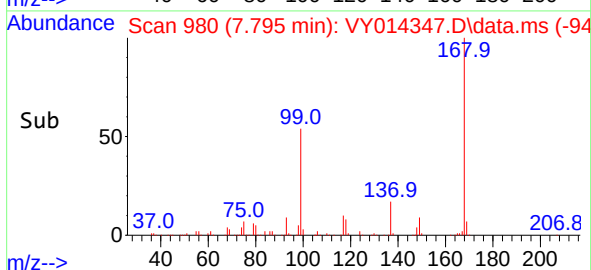
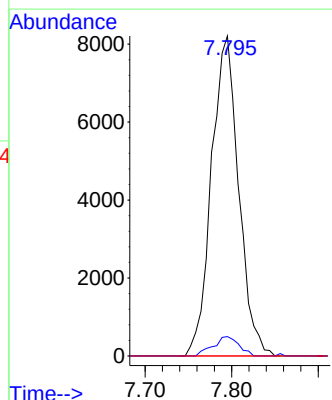
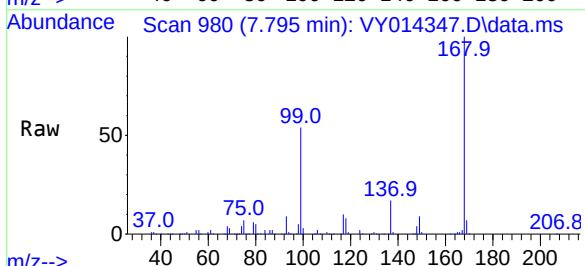
Tgt Ion: 117 Resp: 17908

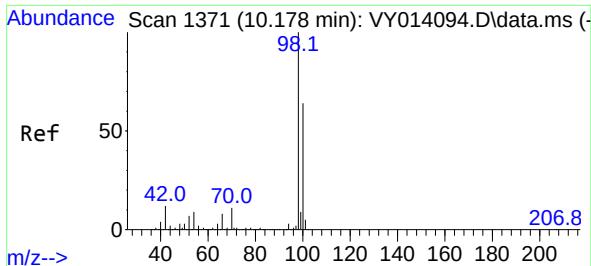
Ion Ratio Lower Upper

117 100

119 6.1 76.4 114.6#

121 0.0 25.8 38.6#

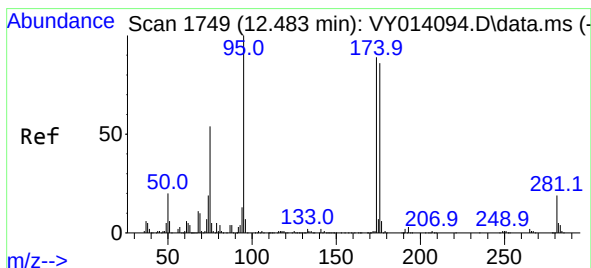
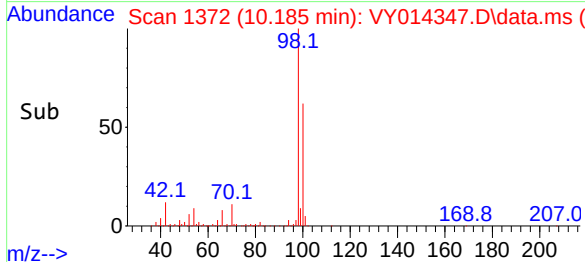
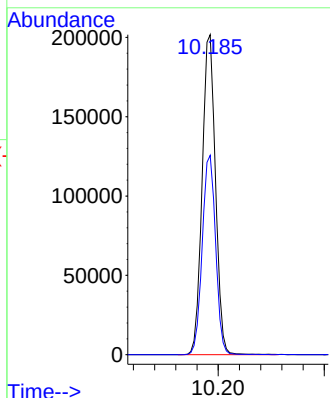
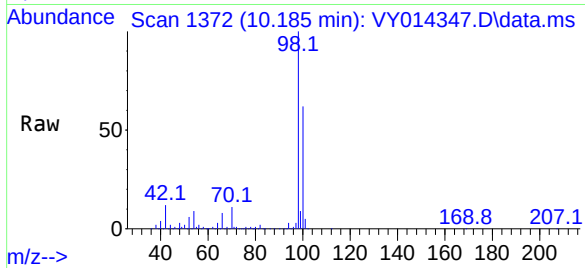




#50
Toluene-d8
Concen: 45.384 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

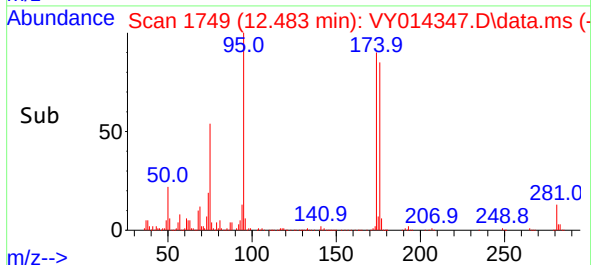
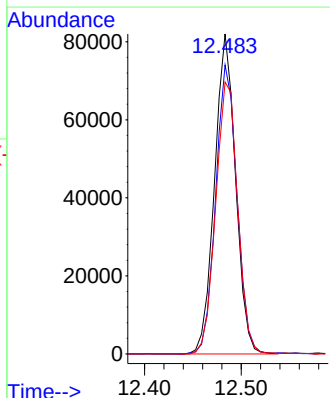
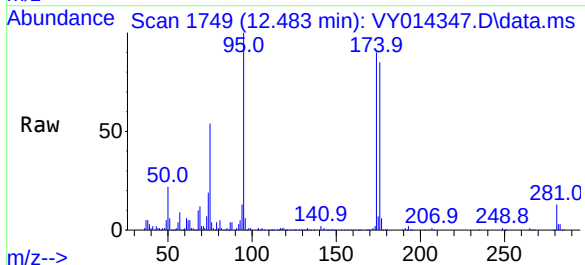
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

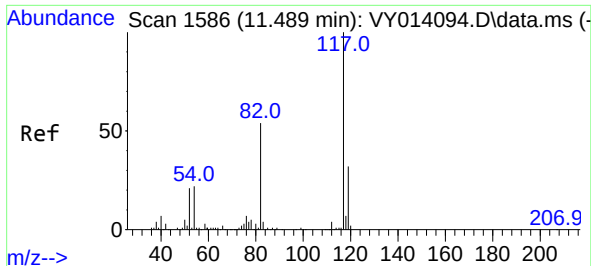
Tgt Ion: 98 Resp: 350935
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.993 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 95 Resp: 123589
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 88.9 0.0 173.8

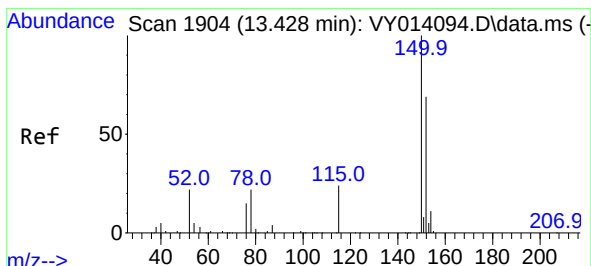
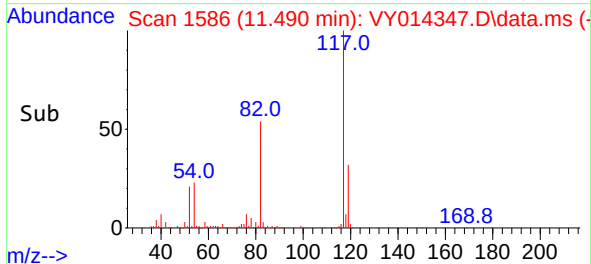
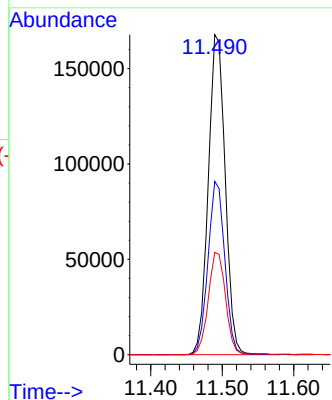
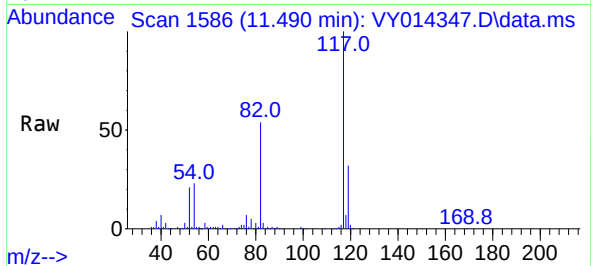




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

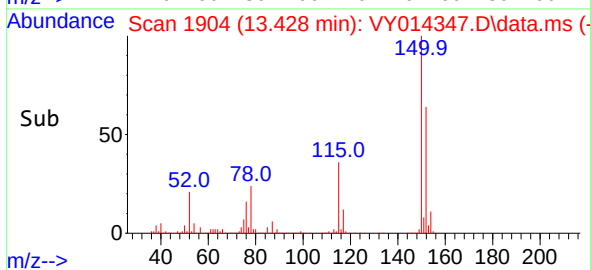
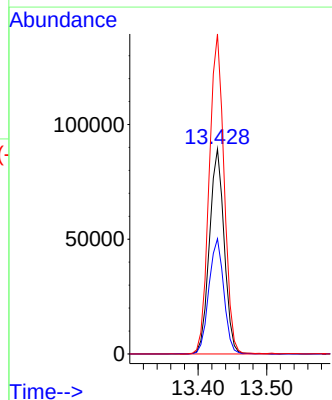
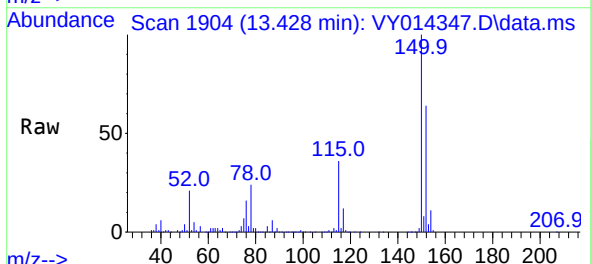
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

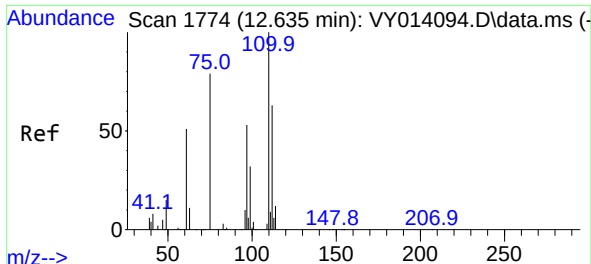
Tgt Ion:117 Resp: 275709
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion:152 Resp: 133838
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 158.0 0.0 348.8

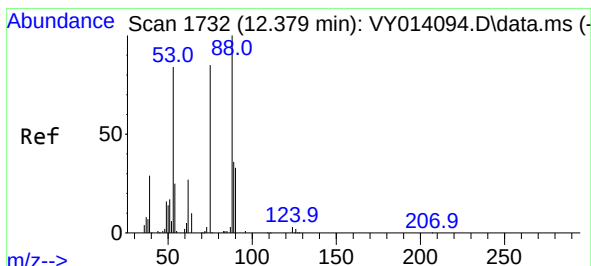
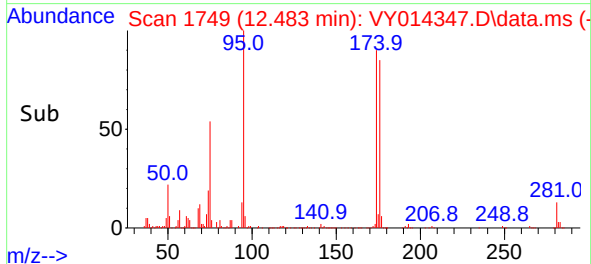
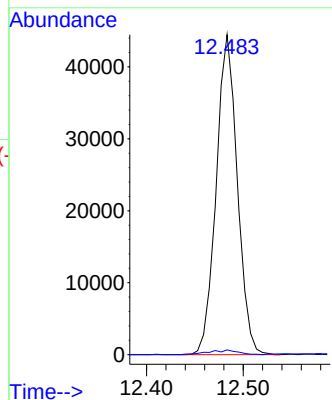
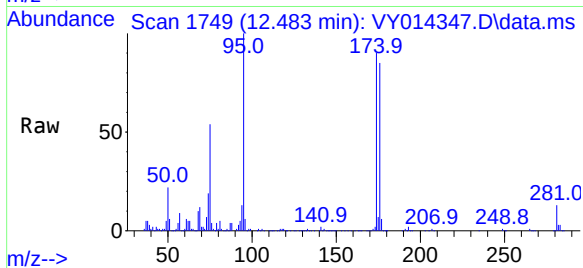




#76
1,2,3-Trichloropropane
Concen: 38.311 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(0-2)

Tgt Ion: 75 Resp: 67271
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.813 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014347.D
Acq: 21 Jun 2023 19:38

Tgt Ion: 75 Resp: 67271
Ion Ratio Lower Upper
75 100
53 3.2 77.8 116.8#
89 0.0 37.4 56.0#

