

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014356.D
 Acq On : 22 Jun 2023 00:17
 Operator : KP/MD
 Sample : 03358-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6-(0-2)

Quant Time: Jun 22 02:01:00 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)

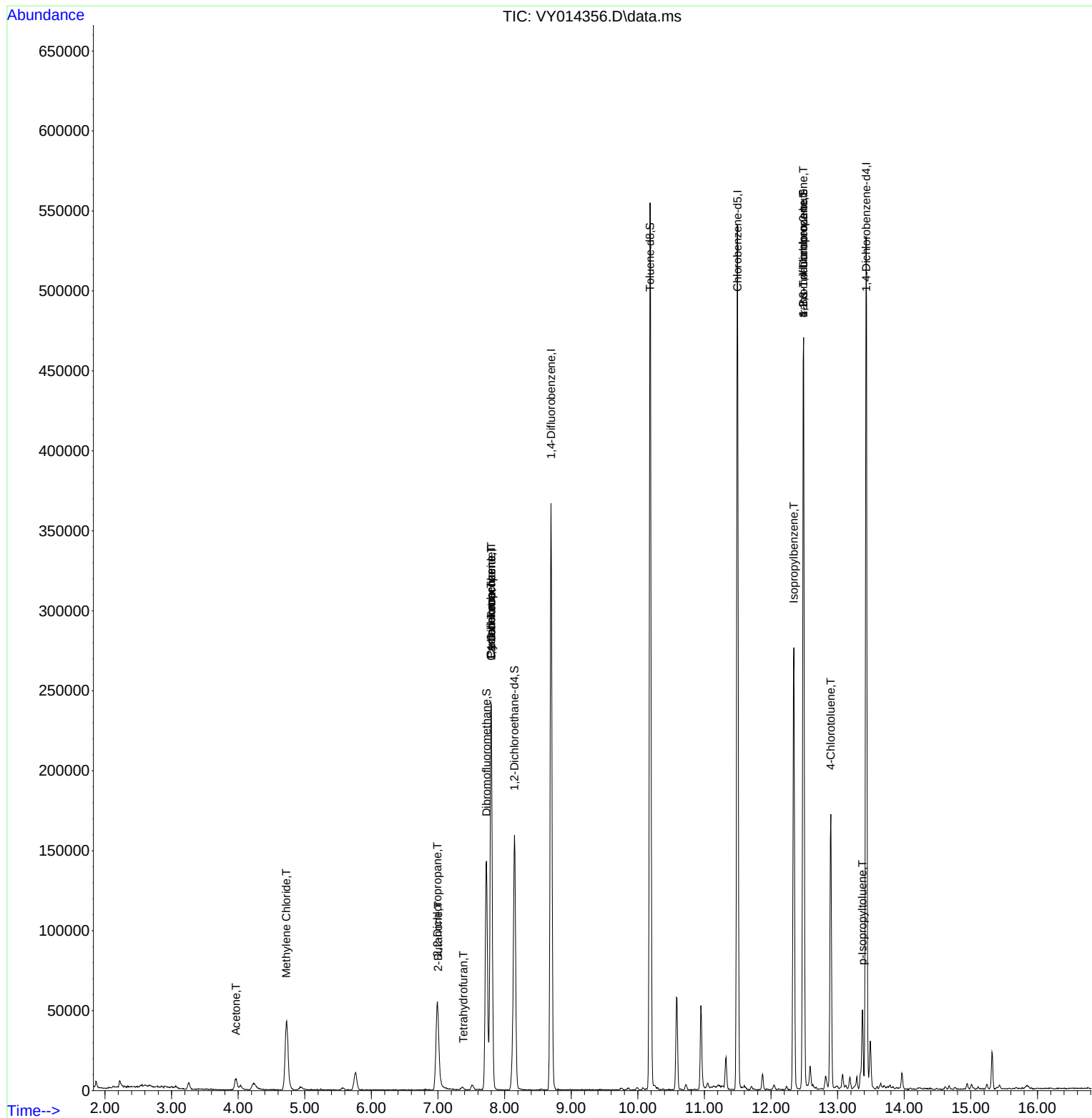
Internal Standards						
1) Pentafluorobenzene	7.795	168	188921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	300100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	280594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	128709	48.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.728	113	99363	46.688	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.380%
50) Toluene-d8	10.185	98	357145	44.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.780%
62) 4-Bromofluorobenzene	12.483	95	126289	44.681	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1133	Below Cal	#	89
16) Acetone	3.966	43	13462	16.976	ug/l	90
20) Methylene Chloride	4.722	84	32846	10.114	ug/l	91
25) 2-Butanone	7.002	43	8570	8.779	ug/l	# 76
26) 2,2-Dichloropropane	6.990	77	4108	1.013	ug/l	# 54
29) Tetrahydrofuran	7.380	42	1090	1.761	ug/l	# 35
31) Cyclohexane	7.795	56	4045	1.148	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	14098	4.249	ug/l	# 51
38) Carbon Tetrachloride	7.801	117	18523	4.838	ug/l	# 17
73) Isopropylbenzene	12.343	105	13575	1.299	ug/l	# 69
76) 1,2,3-Trichloropropane	12.483	75	70478	39.207	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	70478	84.750	ug/l	# 11
82) 4-Chlorotoluene	12.898	91	21189	2.722	ug/l	# 40
86) p-Isopropyltoluene	13.373	119	24768	2.617	ug/l	94

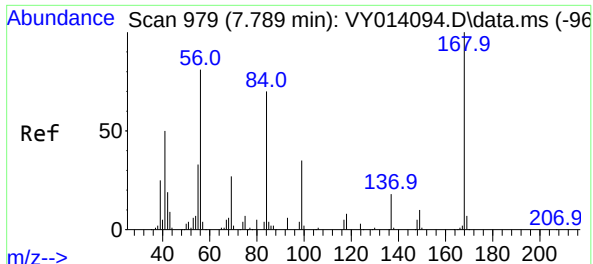
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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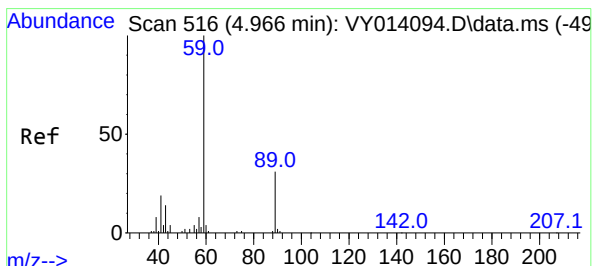
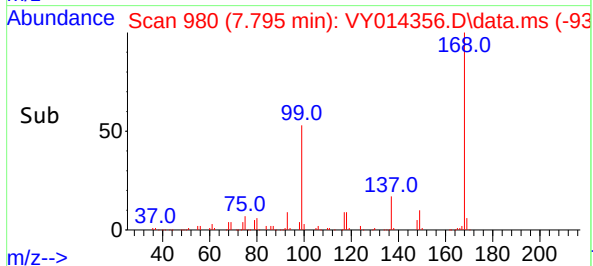
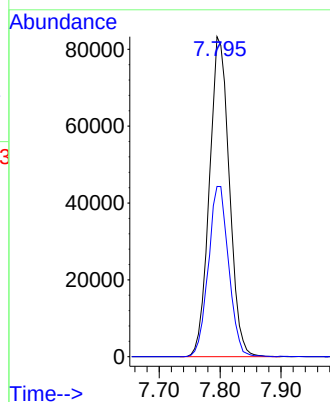
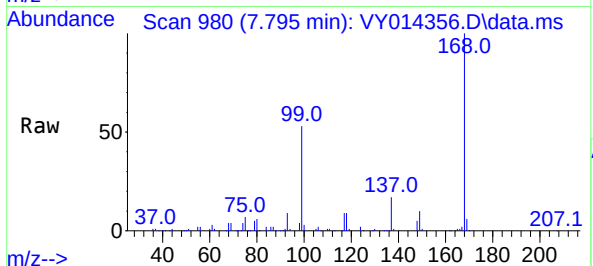




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

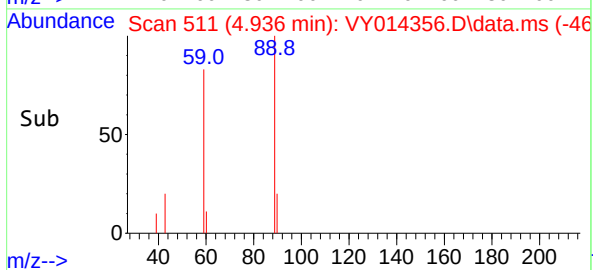
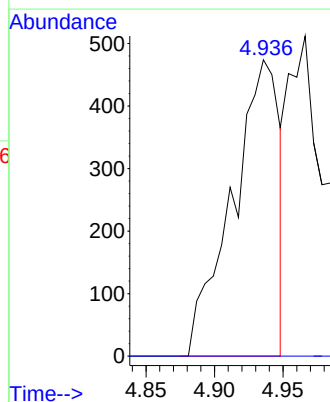
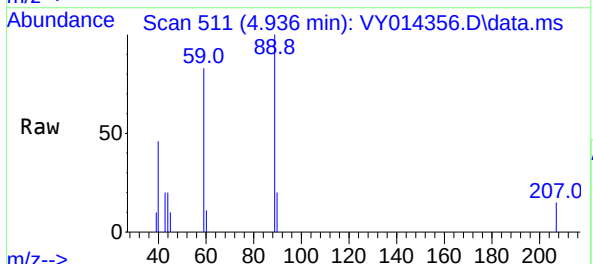
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

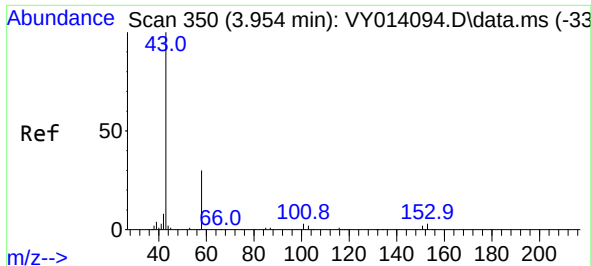
Tgt Ion:168 Resp: 188921
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 59 Resp: 1133
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

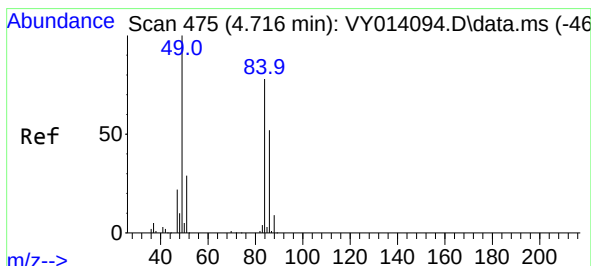
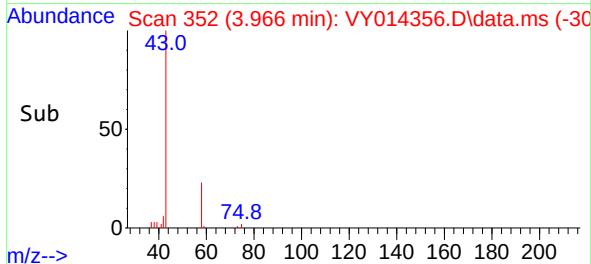
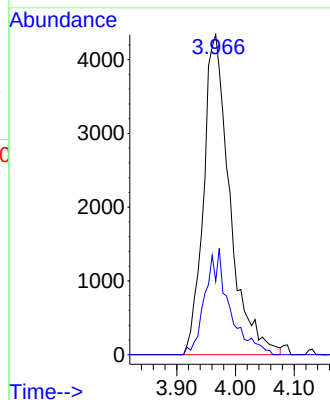
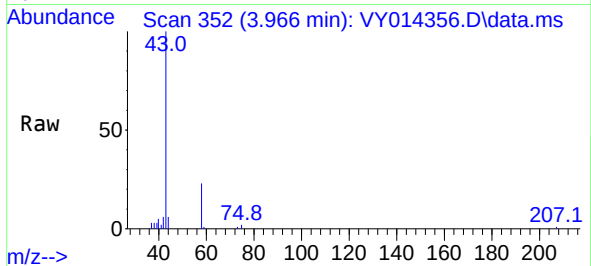




#16
Acetone
Concen: 16.976 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

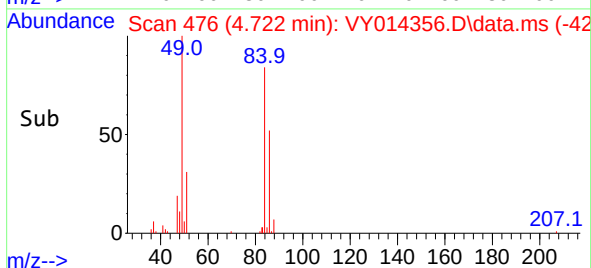
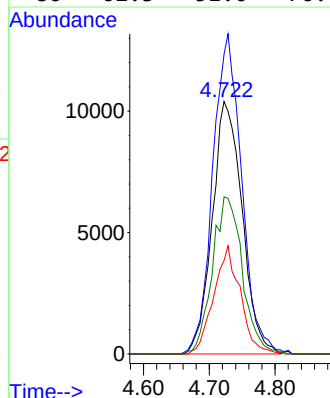
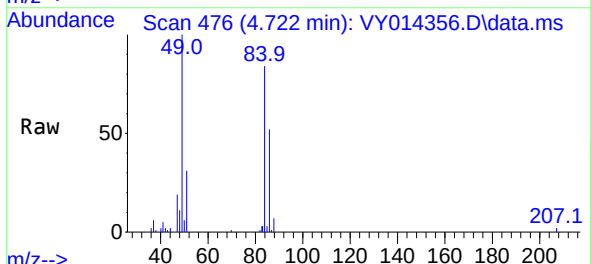
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

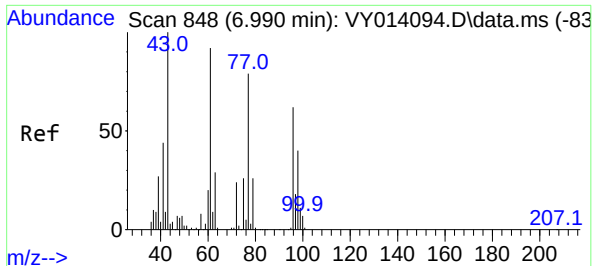
Tgt Ion: 43 Resp: 13462
Ion Ratio Lower Upper
43 100
58 22.9 22.7 34.1



#20
Methylene Chloride
Concen: 10.114 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 84 Resp: 32846
Ion Ratio Lower Upper
84 100
49 118.7 106.9 160.3
51 37.0 33.2 49.8
86 62.3 51.0 76.6





#25

2-Butanone

Concen: 8.779 ug/l

RT: 7.002 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY014356.D

Acq: 22 Jun 2023 00:17

Instrument :

MSVOA_Y

ClientSampleId :

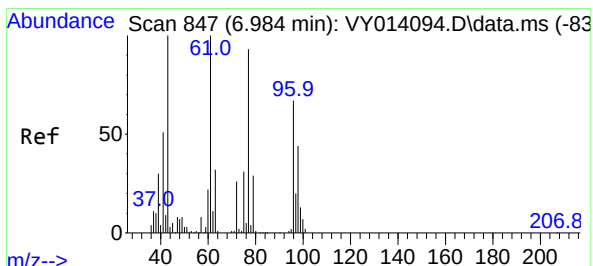
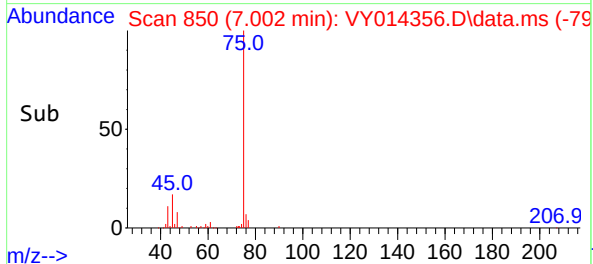
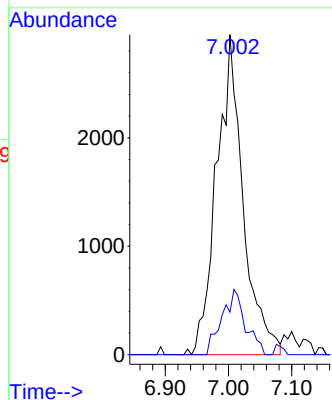
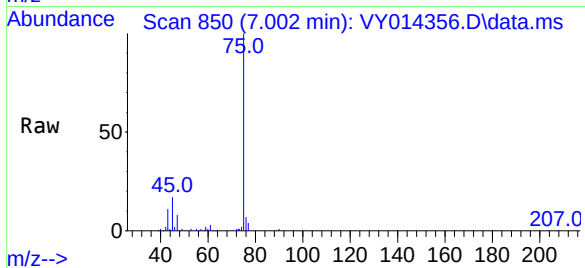
SB-6-(0-2)

Tgt Ion: 43 Resp: 8570

Ion Ratio Lower Upper

43 100

72 13.3 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.013 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY014356.D

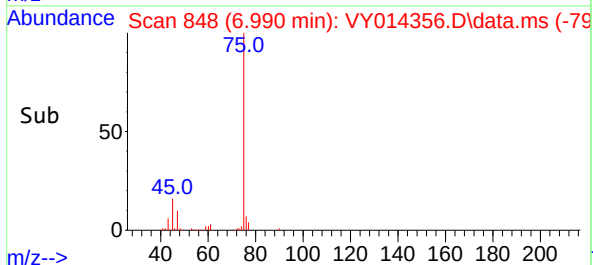
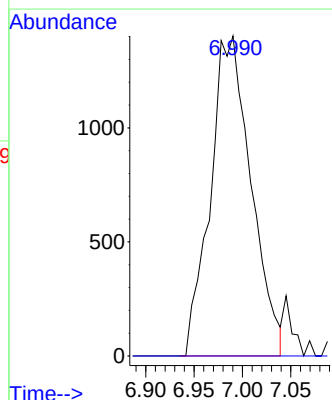
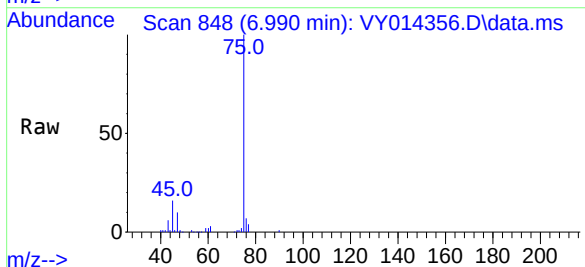
Acq: 22 Jun 2023 00:17

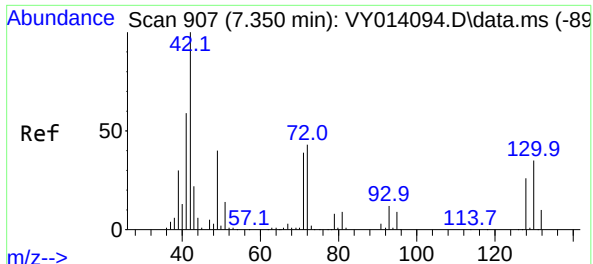
Tgt Ion: 77 Resp: 4108

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.761 ug/l

RT: 7.380 min Scan# 91

Delta R.T. 0.030 min

Lab File: VY014356.D

Acq: 22 Jun 2023 00:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-6-(0-2)

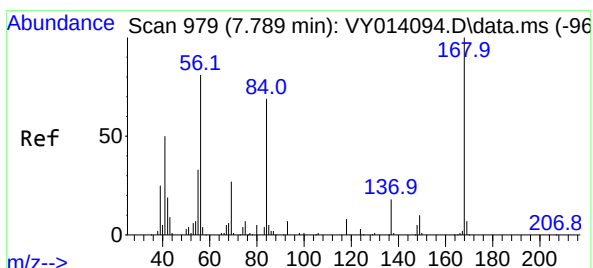
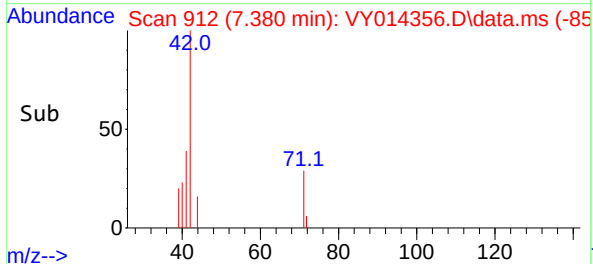
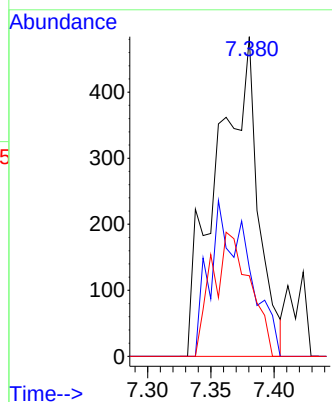
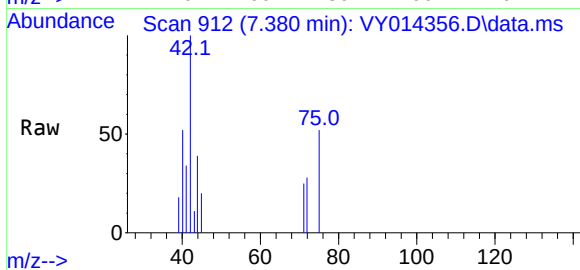
Tgt Ion: 42 Resp: 1090

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014356.D

Acq: 22 Jun 2023 00:17

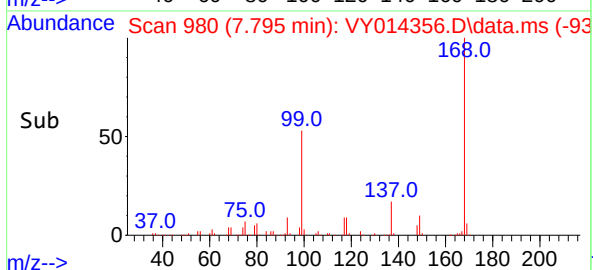
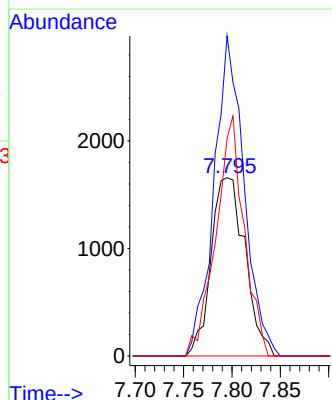
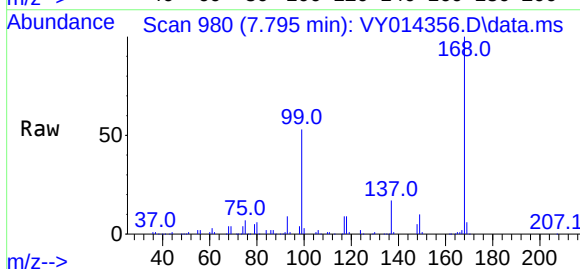
Tgt Ion: 56 Resp: 4045

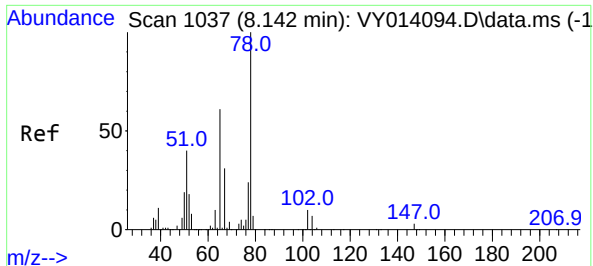
Ion Ratio Lower Upper

56 100

69 179.4 27.8 41.6#

84 121.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.925 ug/l

RT: 8.149 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY014356.D

Acq: 22 Jun 2023 00:17

Instrument :

MSVOA_Y

ClientSampleId :

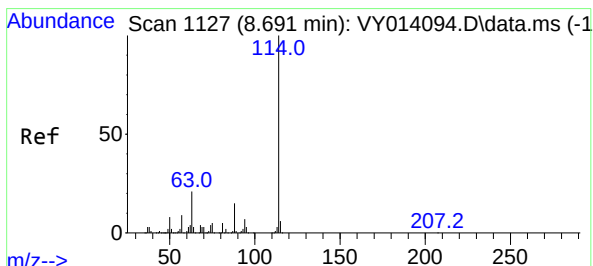
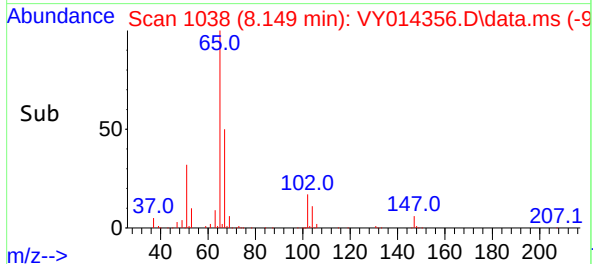
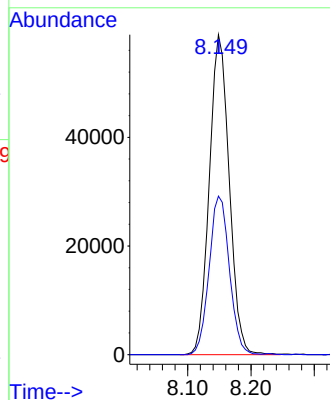
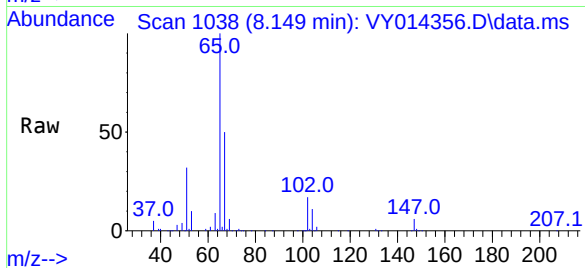
SB-6-(0-2)

Tgt Ion: 65 Resp: 128709

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014356.D

Acq: 22 Jun 2023 00:17

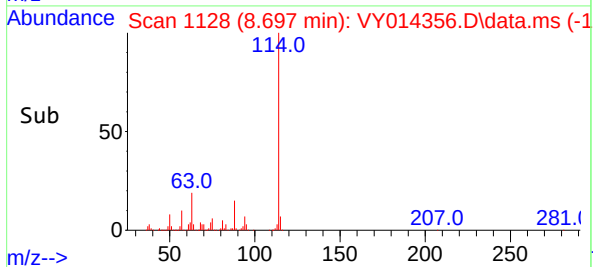
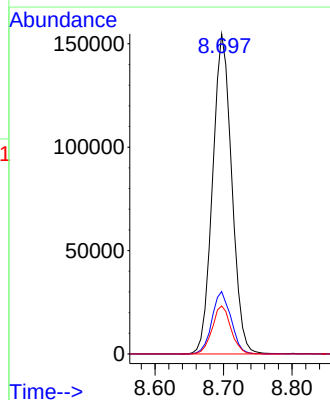
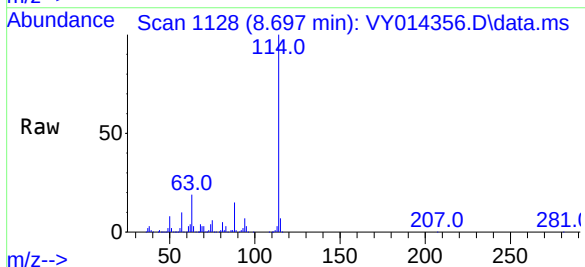
Tgt Ion:114 Resp: 300100

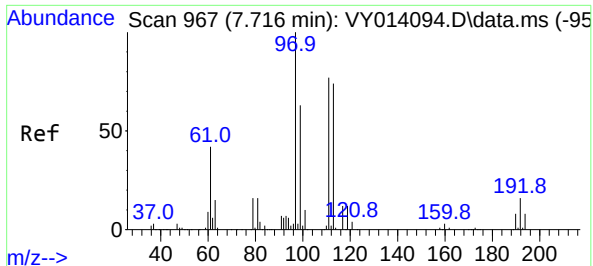
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.0 0.0 30.6



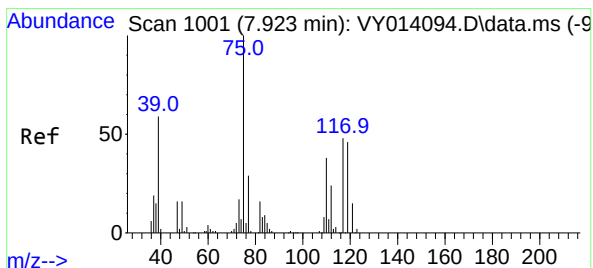
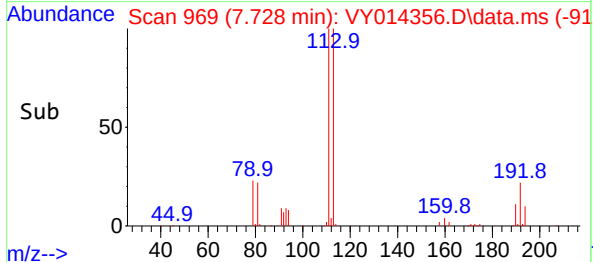
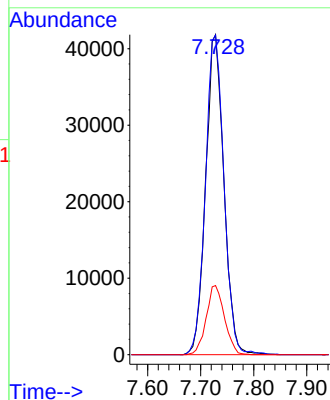
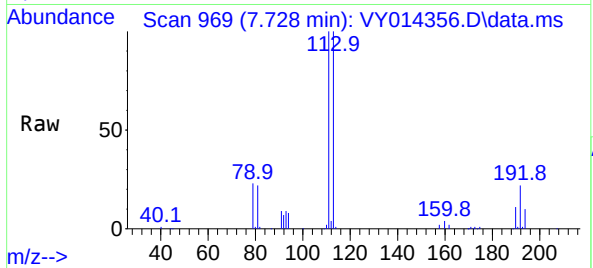


#35
Dibromofluoromethane
Concen: 46.688 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

Tgt Ion: 113 Resp: 99363

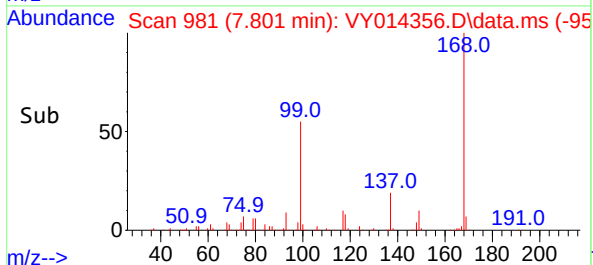
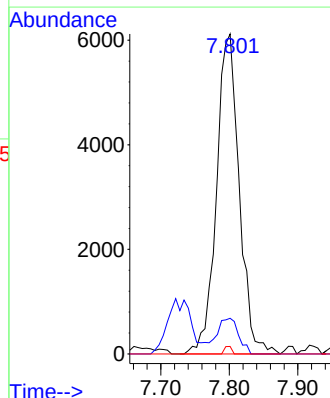
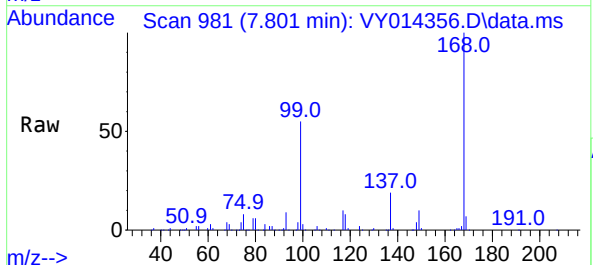
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.3	121.9
192	21.7	16.9	25.3

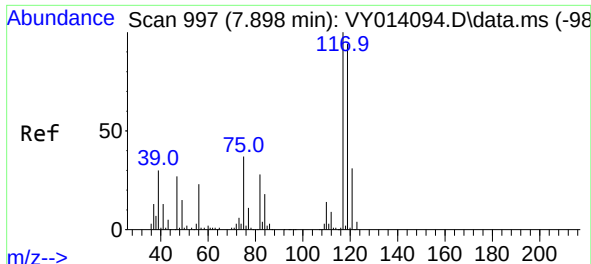


#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 75 Resp: 14098

Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.8	53.5#
77	0.7	24.4	36.6#

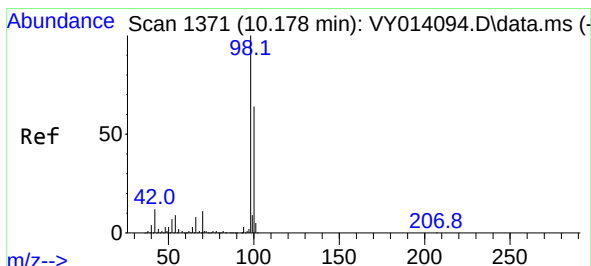
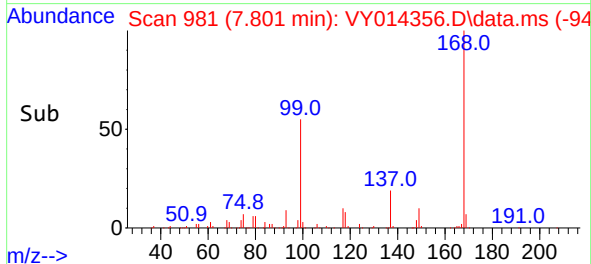
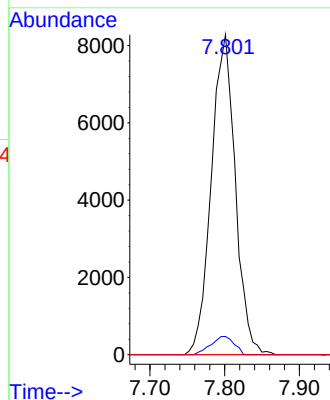
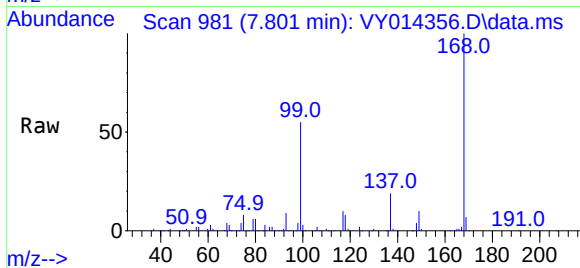




#38
Carbon Tetrachloride
Concen: 4.838 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

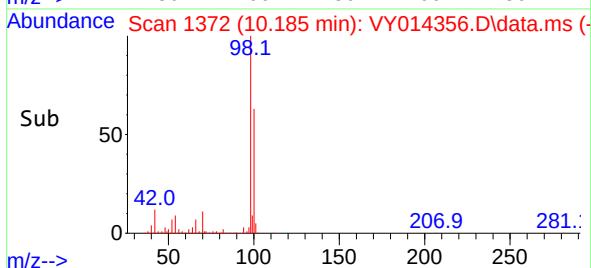
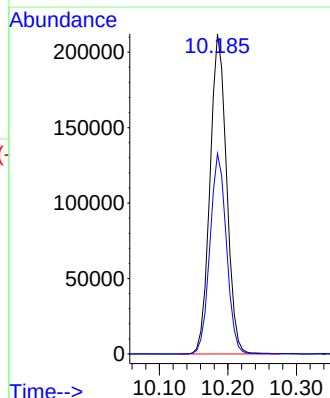
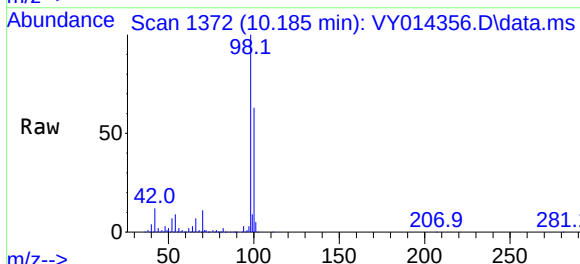
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

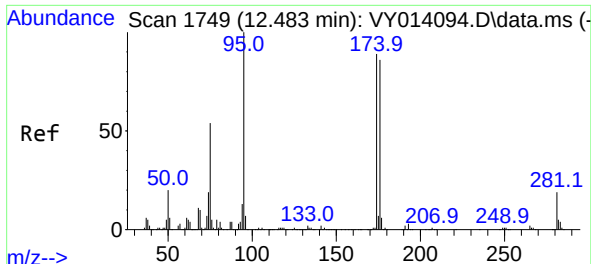
Tgt Ion:117 Resp: 18523
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.886 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 98 Resp: 357145
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1

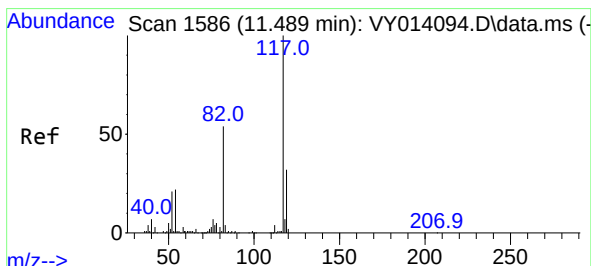
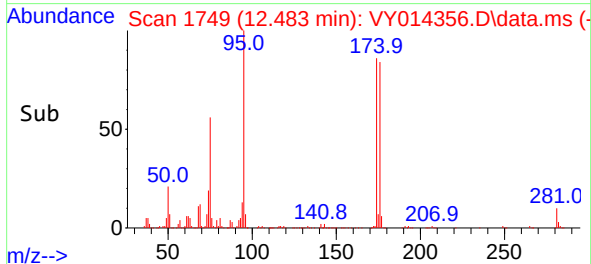
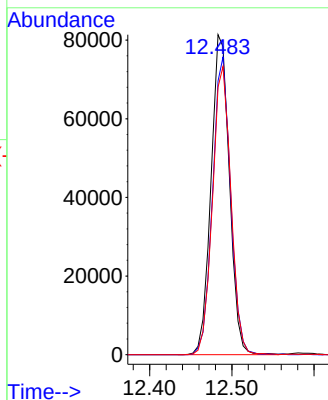
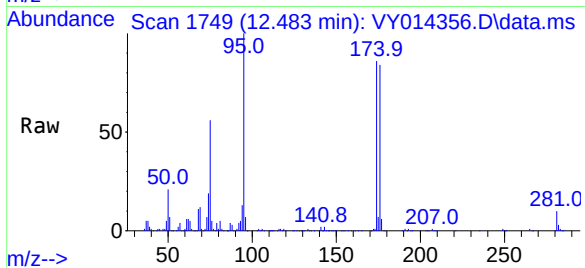




#62
4-Bromofluorobenzene
Concen: 44.681 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

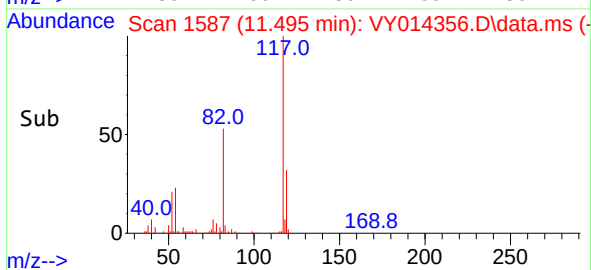
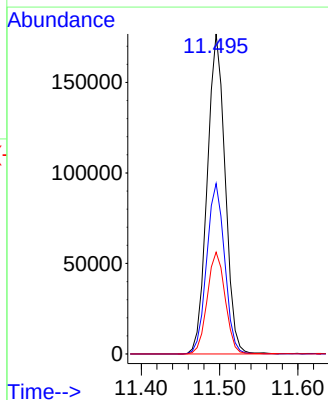
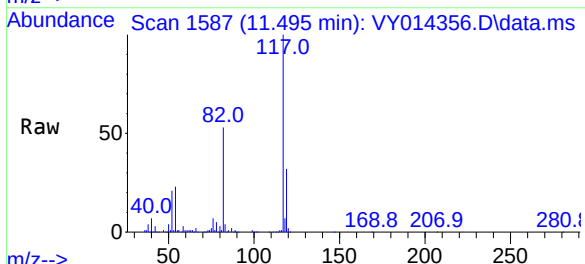
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

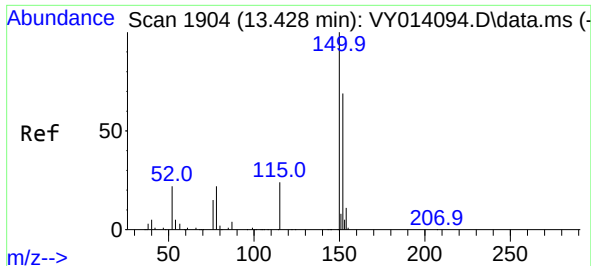
Tgt Ion: 95 Resp: 126289
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.2
176 90.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 117 Resp: 280594
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.8 26.3 39.5

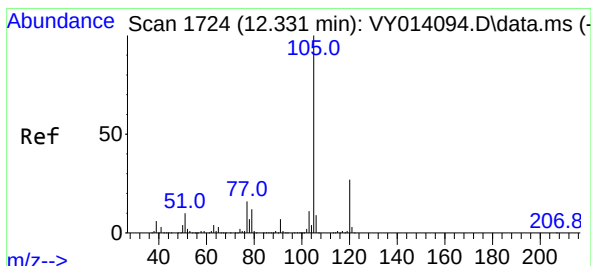
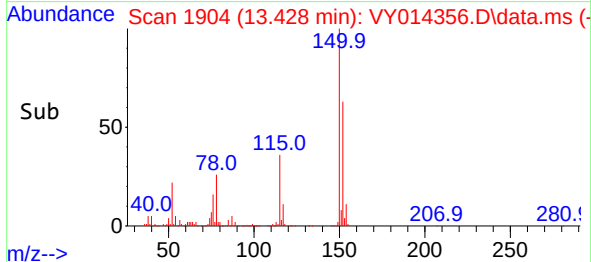
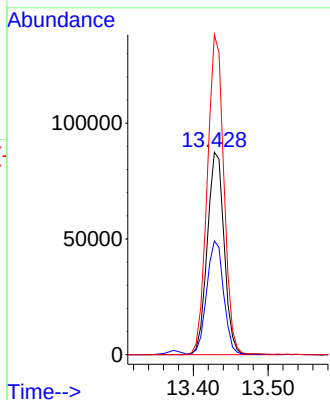
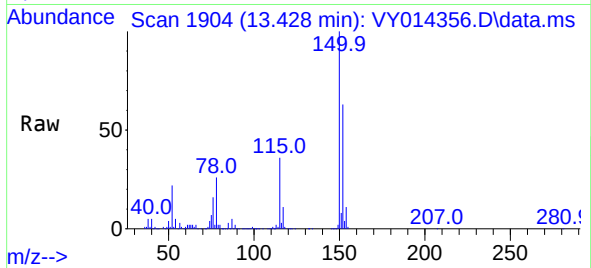




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

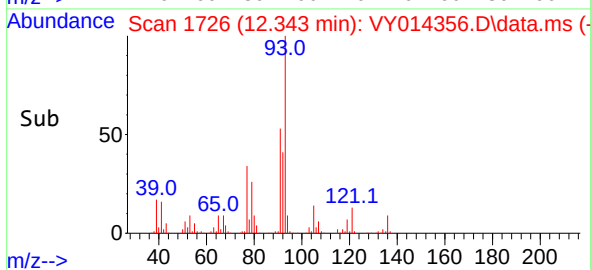
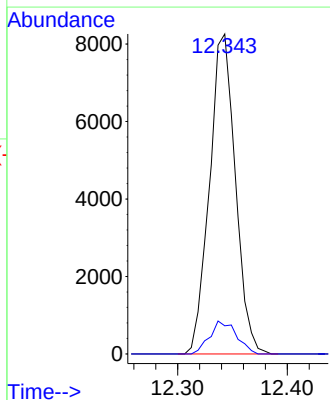
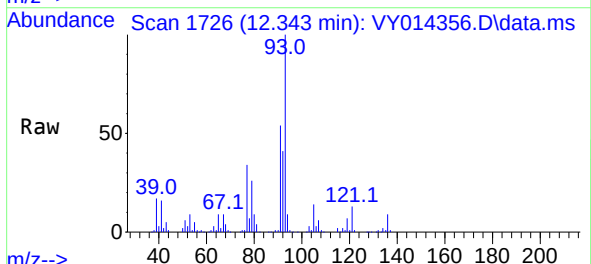
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

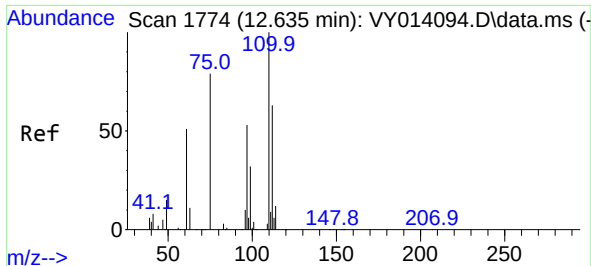
Tgt Ion:152 Resp: 137014
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 155.9 0.0 348.8



#73
Isopropylbenzene
Concen: 1.299 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.012 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion:105 Resp: 13575
Ion Ratio Lower Upper
105 100
120 10.6 13.3 39.9#

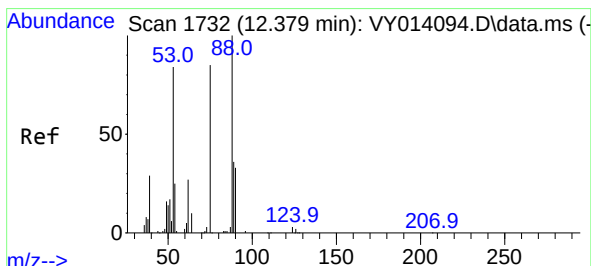
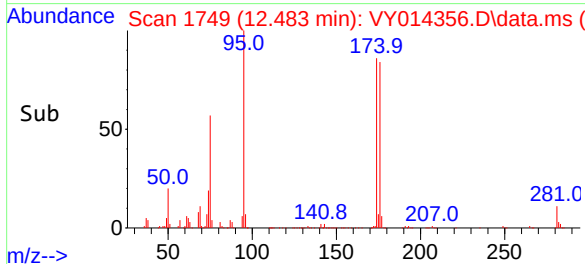
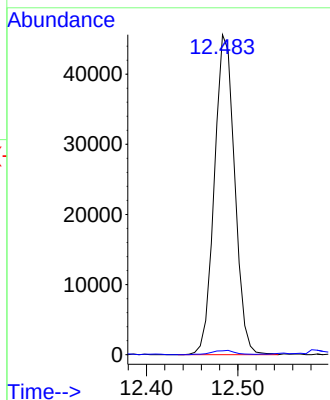
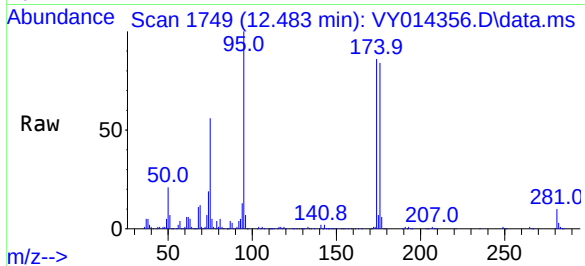




#76
1,2,3-Trichloropropane
Concen: 39.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

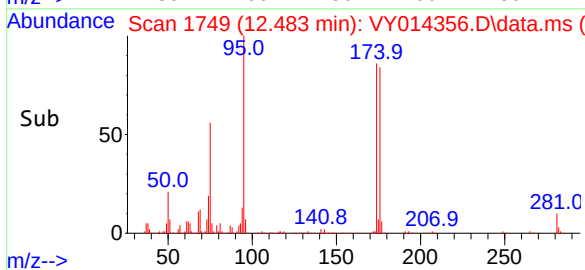
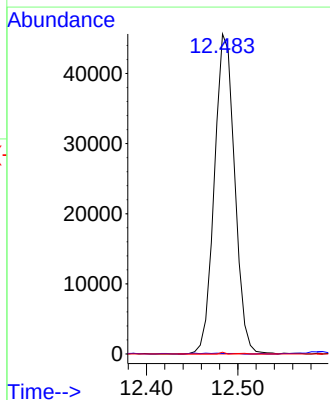
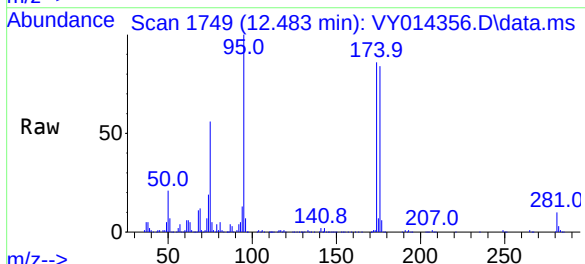
Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

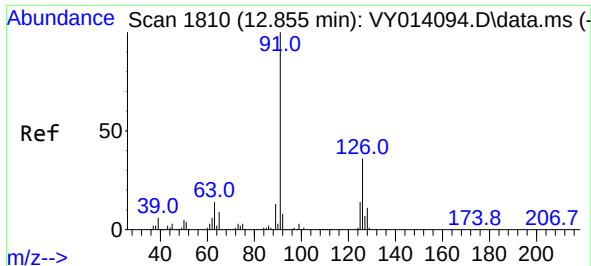
Tgt Ion: 75 Resp: 70478
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.750 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 75 Resp: 70478
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

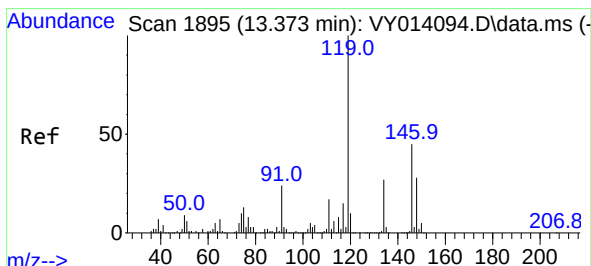
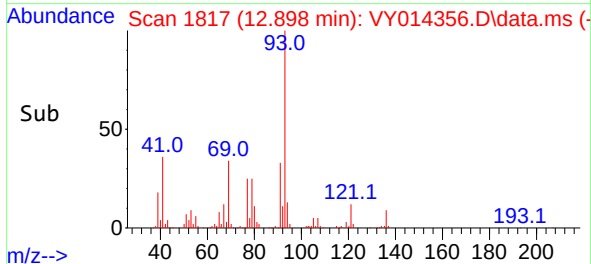
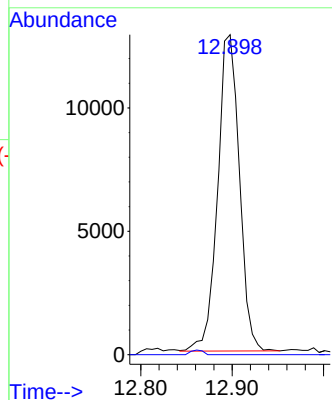
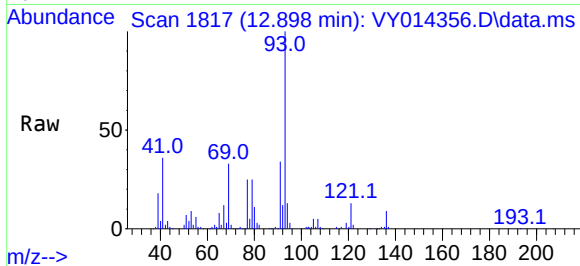




#82
4-Chlorotoluene
Concen: 2.722 ug/l
RT: 12.898 min Scan# 1810
Delta R.T. 0.043 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Instrument :
MSVOA_Y
ClientSampleId :
SB-6-(0-2)

Tgt Ion: 91 Resp: 21189
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#86
p-Isopropyltoluene
Concen: 2.617 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY014356.D
Acq: 22 Jun 2023 00:17

Tgt Ion: 119 Resp: 24768
Ion Ratio Lower Upper
119 100
134 29.1 13.3 39.8
91 28.8 12.4 37.4

