

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060723\
 Data File : VY014063.D
 Acq On : 07 Jun 2023 16:29
 Operator : KP/MD
 Sample : 03044-15
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-5.0-7.0

Quant Time: Jun 08 02:33:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

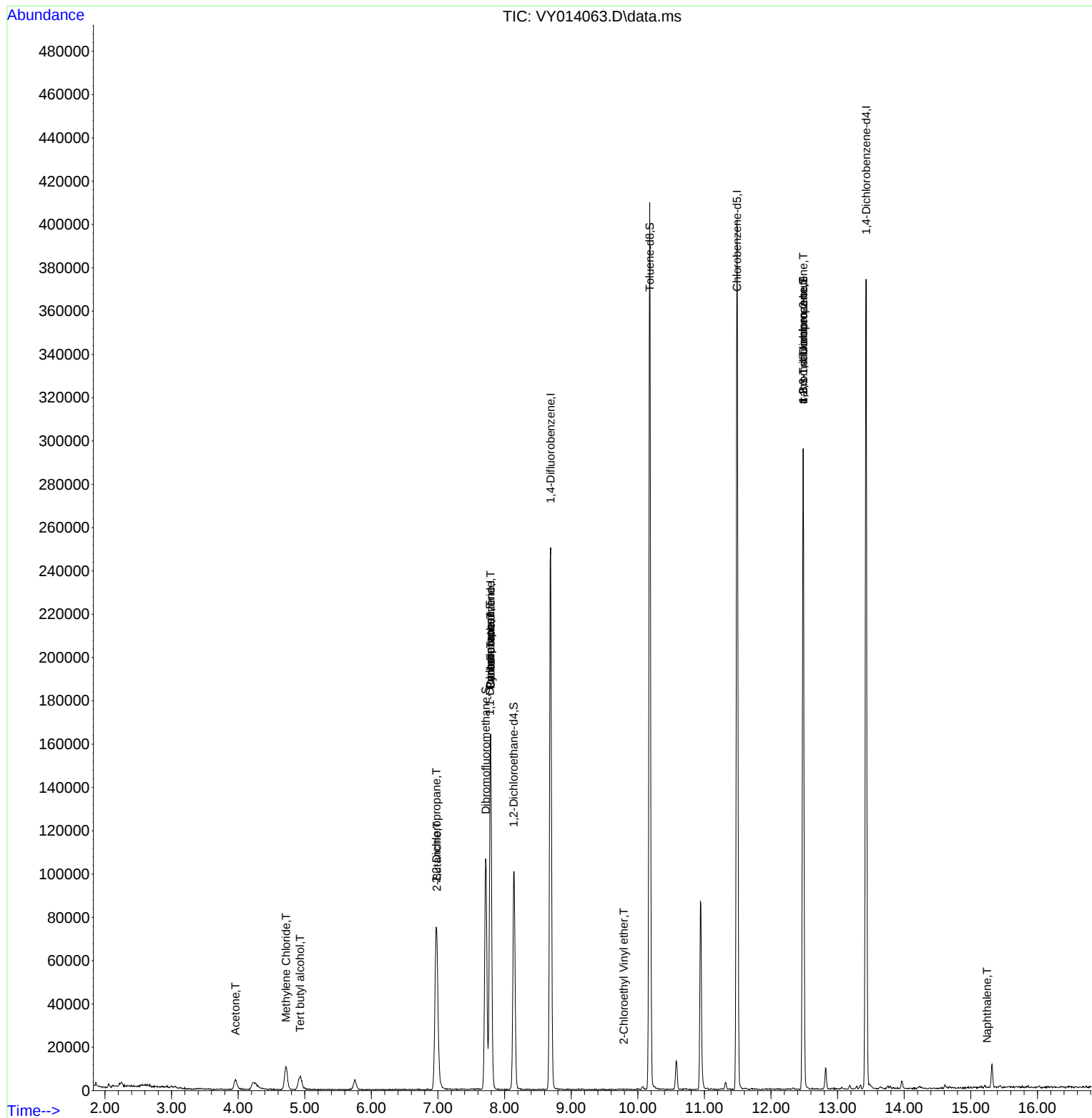
Internal Standards						
1) Pentafluorobenzene	7.789	168	124823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	212013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84104	50.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.800%	
35) Dibromofluoromethane	7.716	113	72866	54.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.640%	
50) Toluene-d8	10.179	98	258244	50.939	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.483	95	81817	47.338	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.680%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	6316	18.599	ug/l #	89
16) Acetone	3.960	43	8800	15.566	ug/l	93
20) Methylene Chloride	4.716	84	7915	1.285	ug/l	86
25) 2-Butanone	6.984	43	4641	6.590	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	5786	2.531	ug/l #	54
31) Cyclohexane	7.789	56	2786	1.400	ug/l #	29
36) 1,1-Dichloropropene	7.783	75	9842	5.198	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12093	5.699	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.789	63	52	23.159	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	45312	35.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45312	75.715	ug/l #	11
95) Naphthalene	15.245	128	422	3.969	ug/l #	69

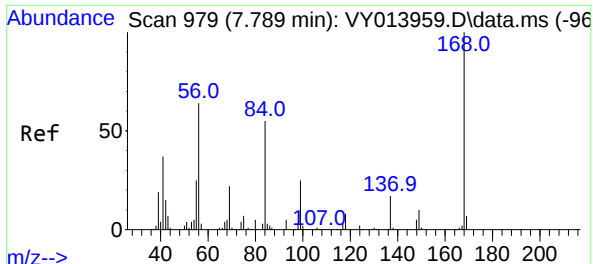
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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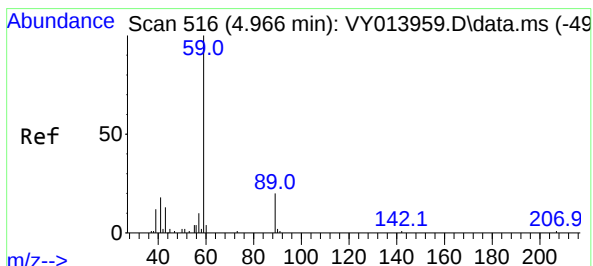
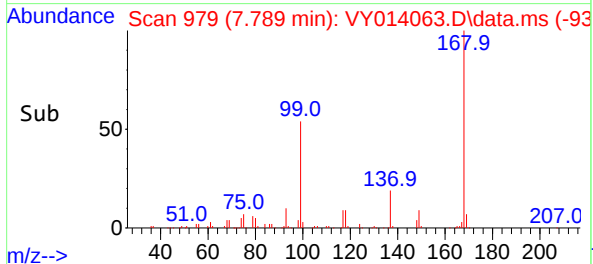
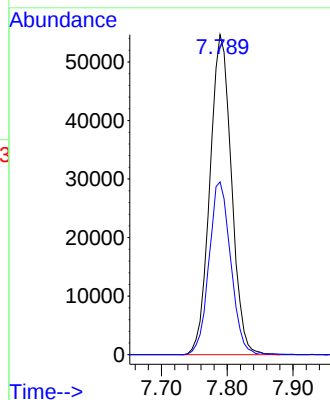
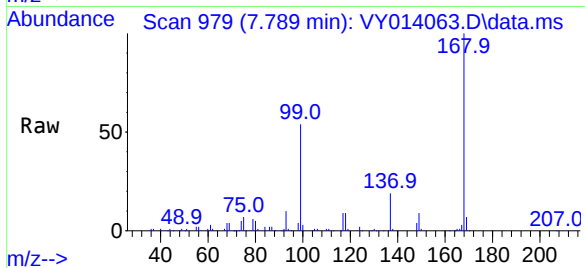




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

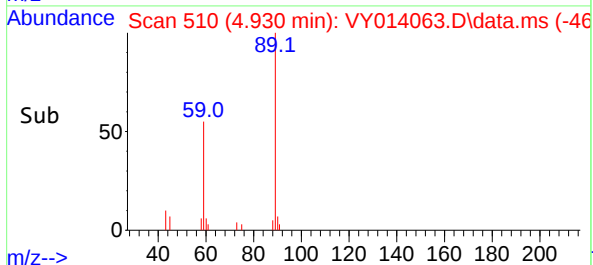
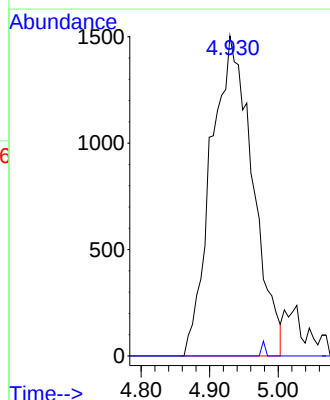
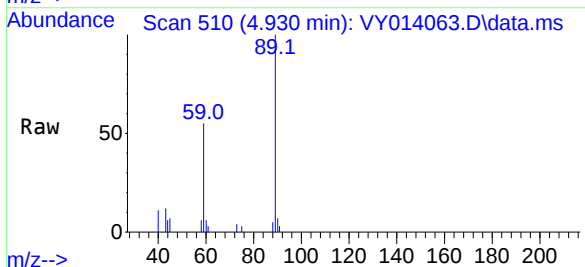
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

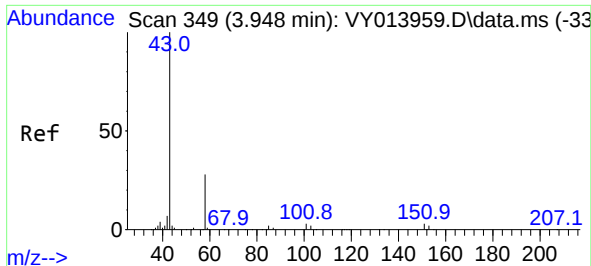
Tgt Ion:168 Resp: 124823
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 18.599 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 59 Resp: 6316
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

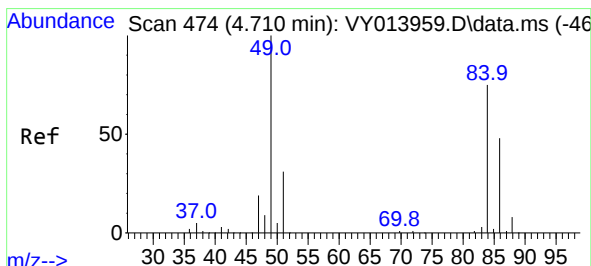
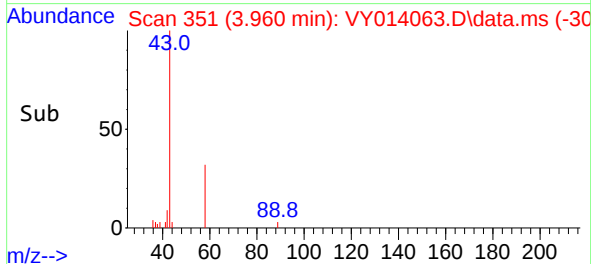
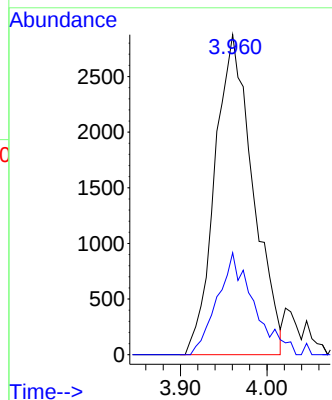
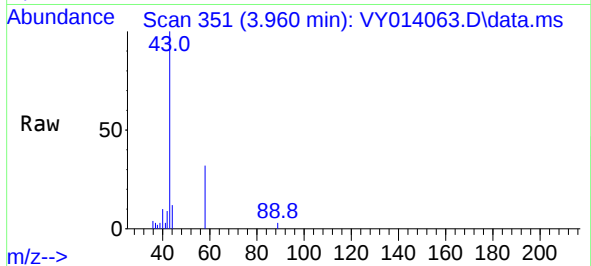




#16
Acetone
Concen: 15.566 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

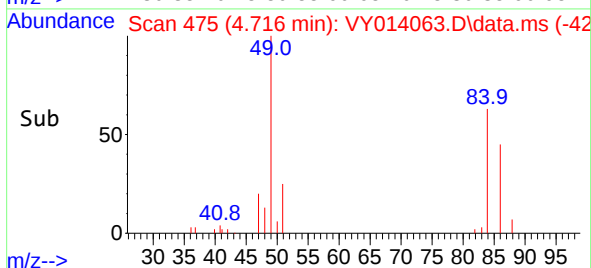
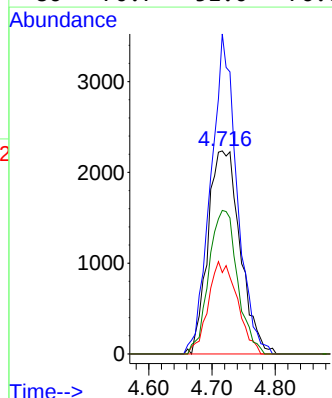
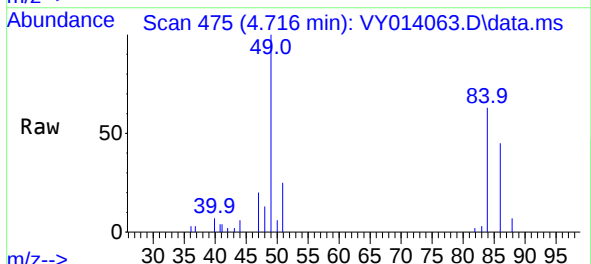
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

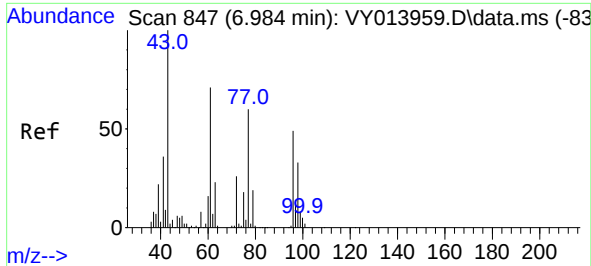
Tgt Ion: 43 Resp: 8800
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1



#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 84 Resp: 7915
Ion Ratio Lower Upper
84 100
49 157.6 106.9 160.3
51 40.1 33.2 49.8
86 70.7 51.0 76.6

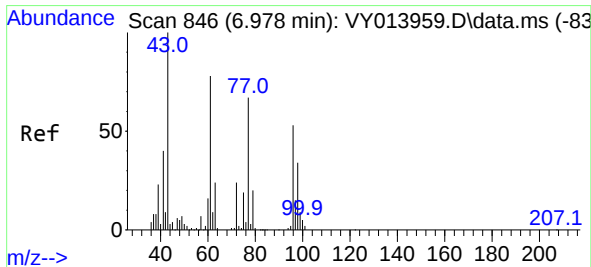
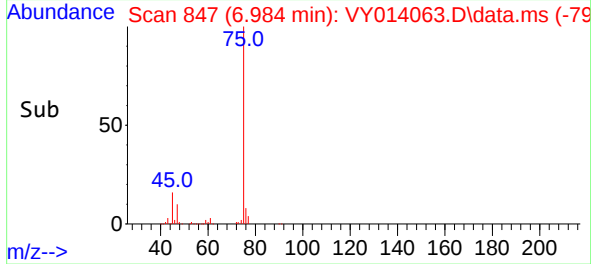
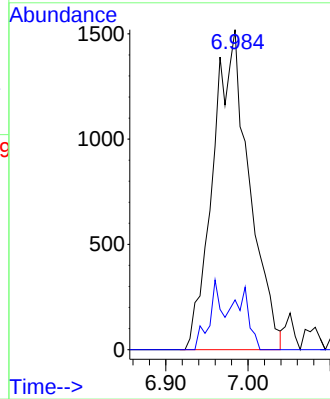
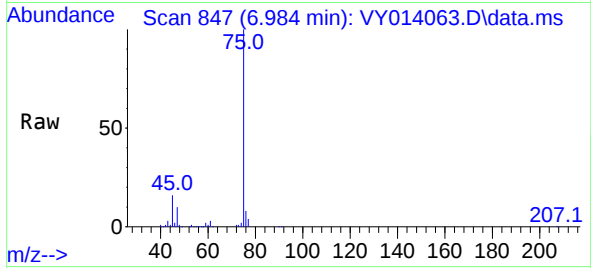




#25
2-Butanone
Concen: 6.590 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

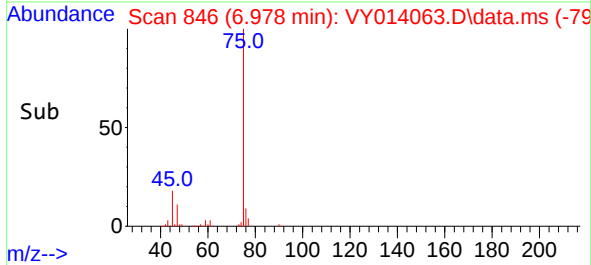
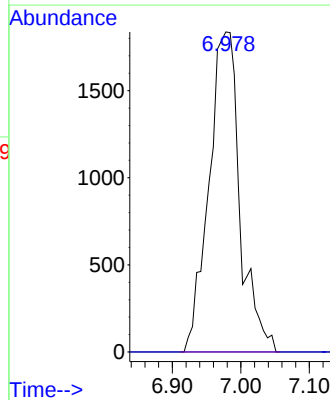
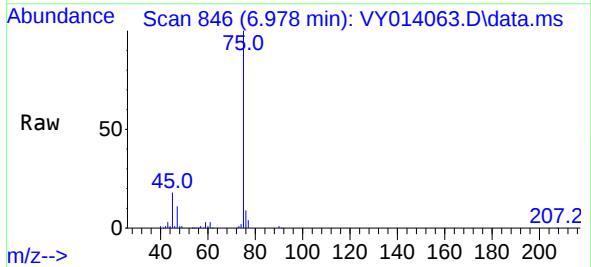
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

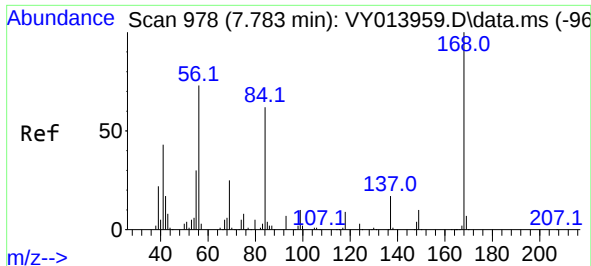
Tgt Ion: 43 Resp: 4641
Ion Ratio Lower Upper
43 100
72 15.5 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.531 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 77 Resp: 5786
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

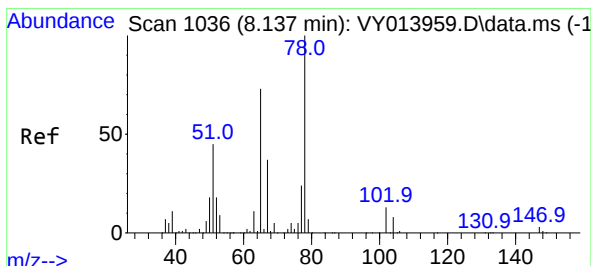
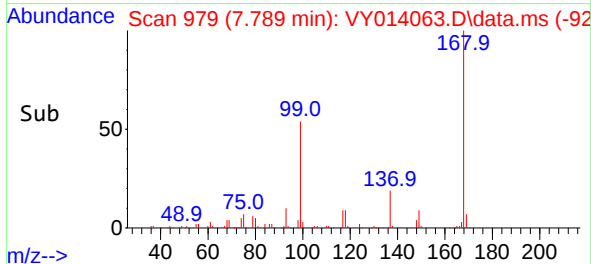
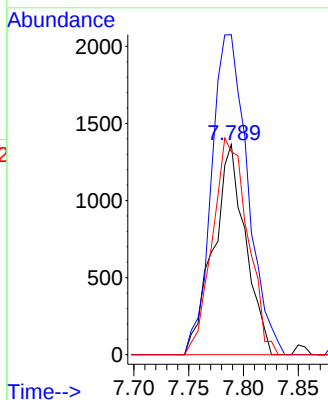
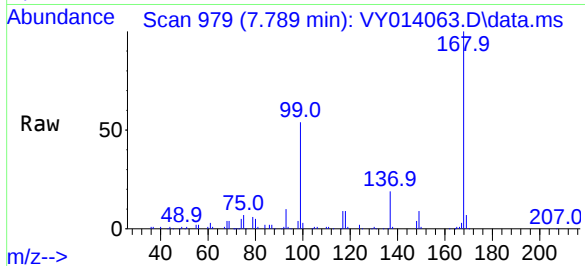




#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

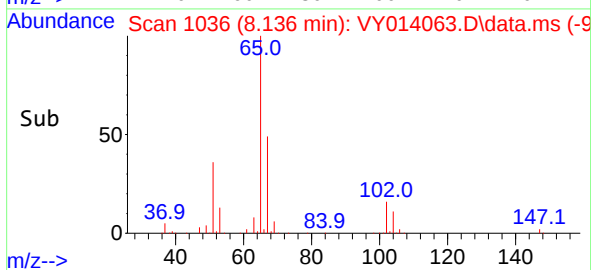
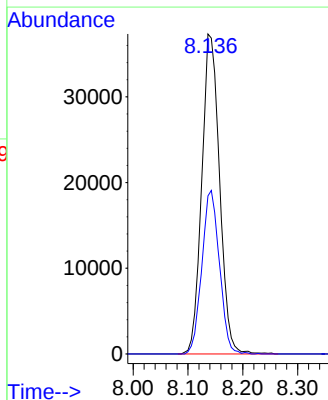
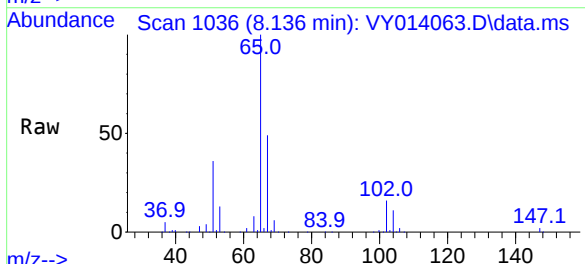
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

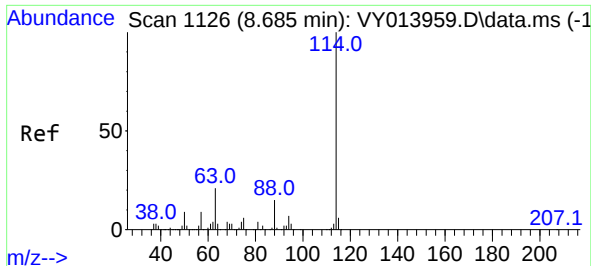
Tgt Ion: 56 Resp: 2786
Ion Ratio Lower Upper
56 100
69 152.2 27.8 41.6#
84 96.6 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.899 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 65 Resp: 84104
Ion Ratio Lower Upper
65 100
67 50.3 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: VY014063.D

Acq: 07 Jun 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-5.0-7.0

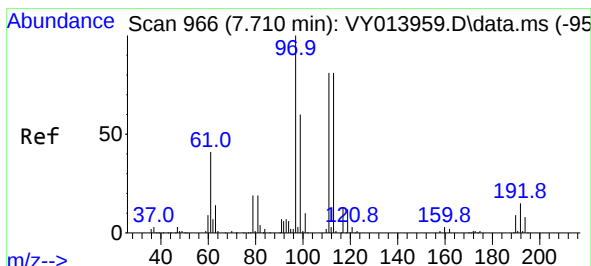
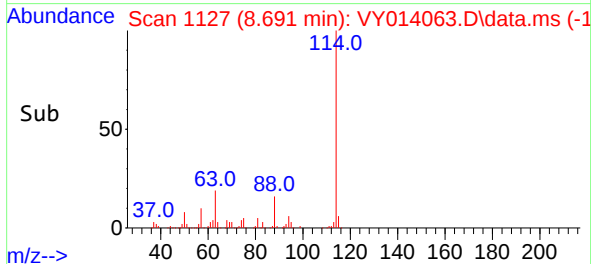
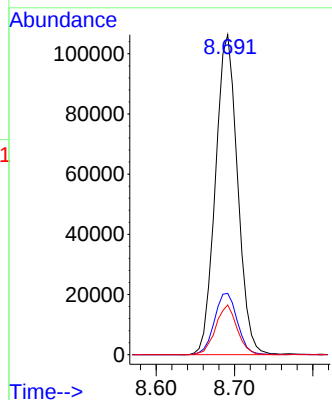
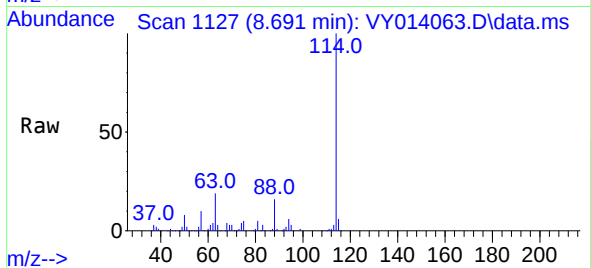
Tgt Ion:114 Resp: 209135

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.825 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY014063.D

Acq: 07 Jun 2023 16:29

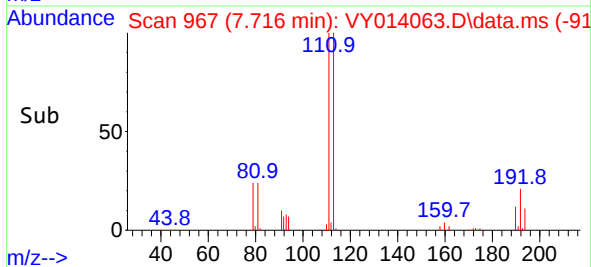
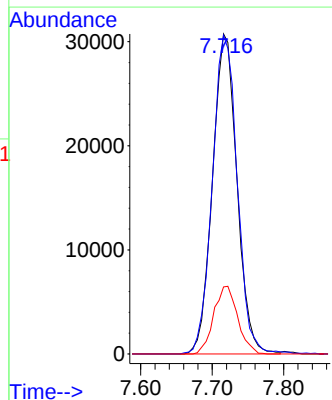
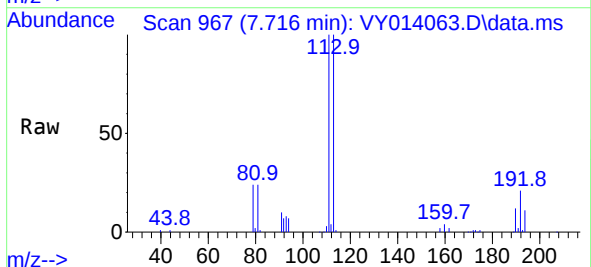
Tgt Ion:113 Resp: 72866

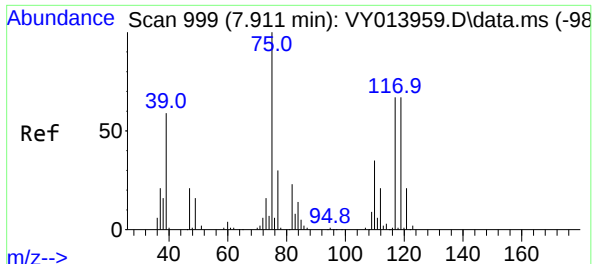
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 20.7 16.9 25.3

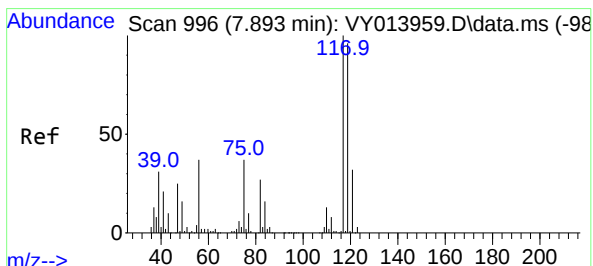
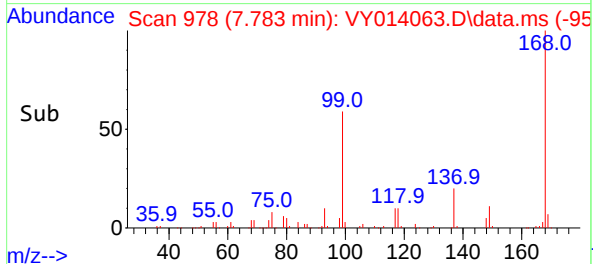
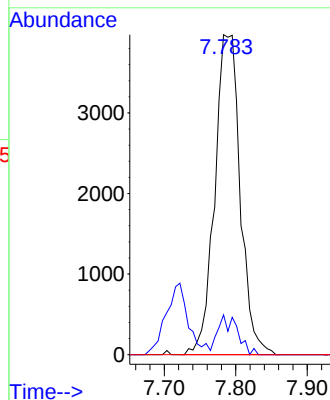
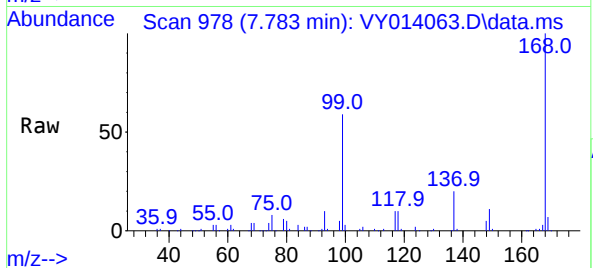




#36
1,1-Dichloropropene
Concen: 5.198 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

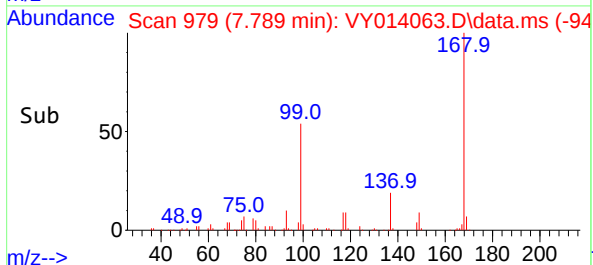
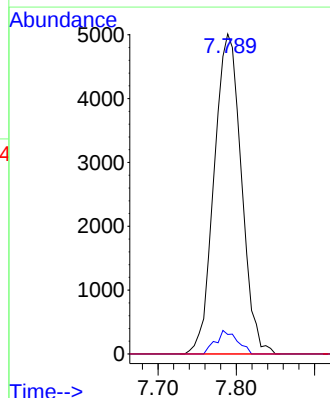
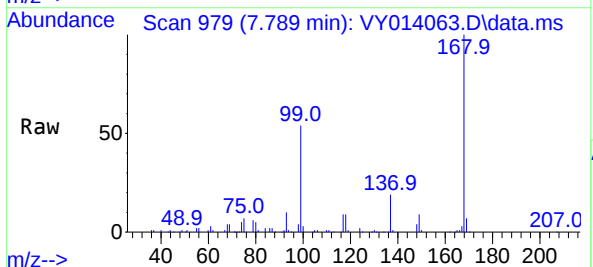
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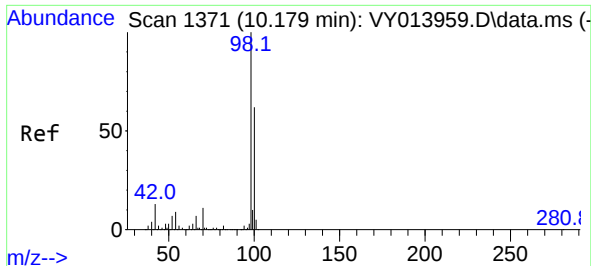
Tgt Ion: 75 Resp: 9842
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 117 Resp: 12093
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#

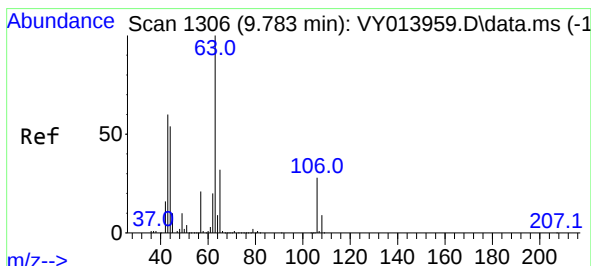
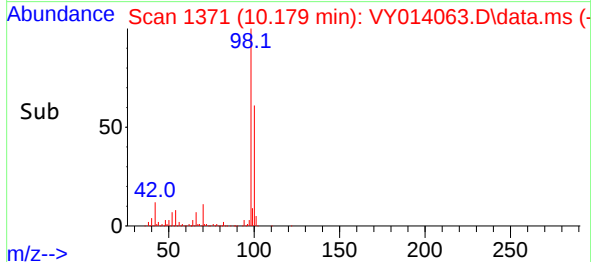
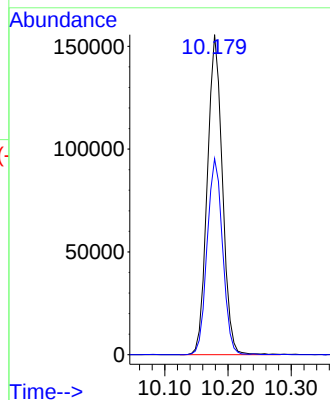
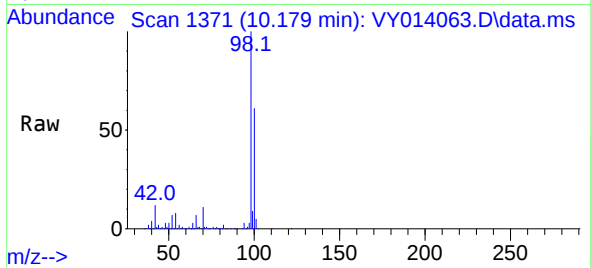




#50
Toluene-d8
Concen: 50.939 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

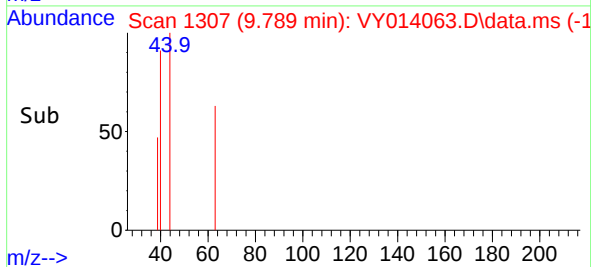
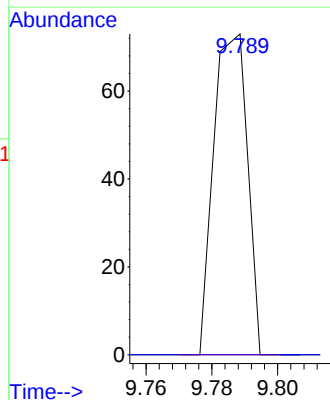
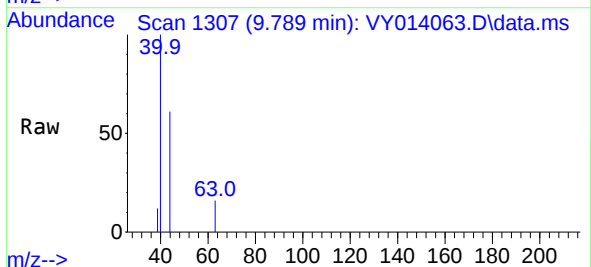
Instrument :
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ClientSampleId :
SB-08-5.0-7.0

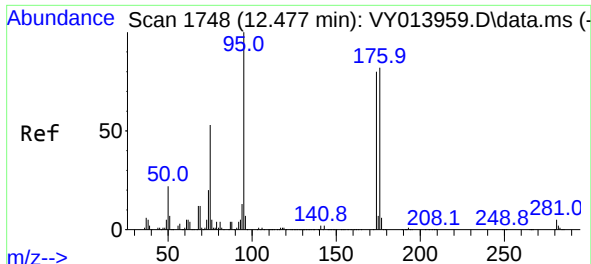
Tgt Ion: 98 Resp: 258244
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.159 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

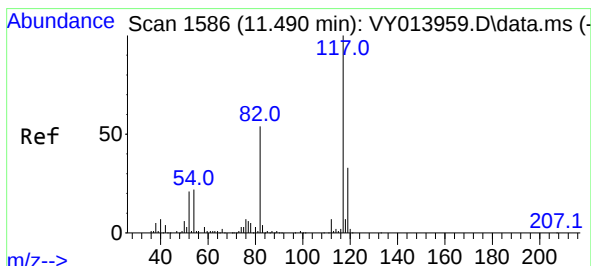
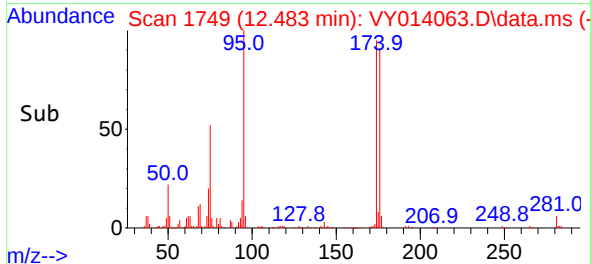
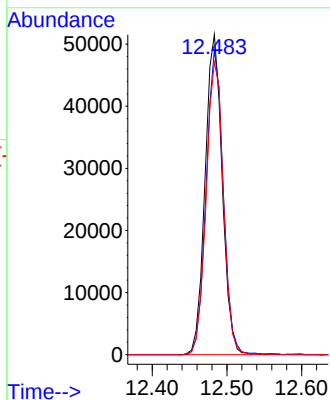
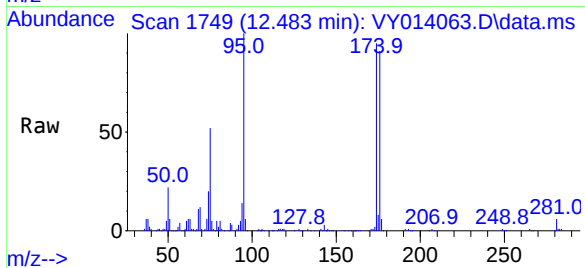




#62
4-Bromofluorobenzene
Concen: 47.338 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

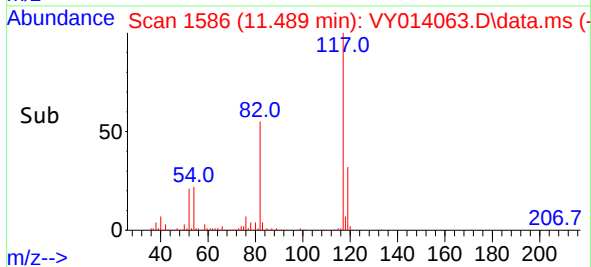
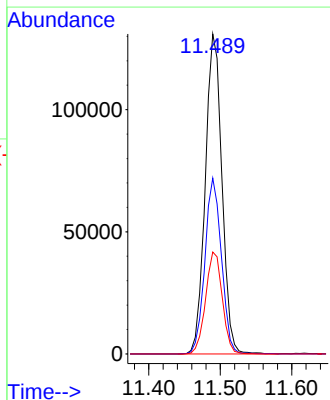
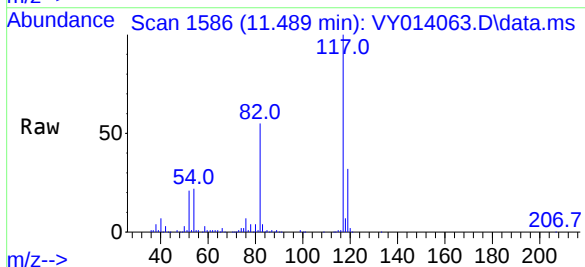
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

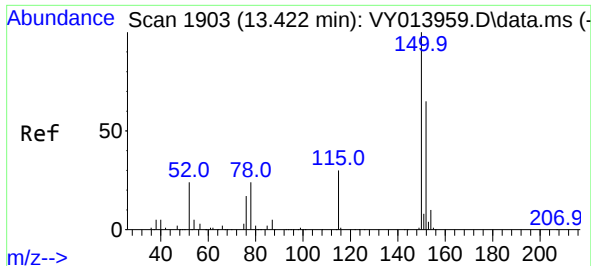
Tgt Ion: 95 Resp: 81817
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.2
176 92.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 117 Resp: 212013
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 31.9 26.3 39.5

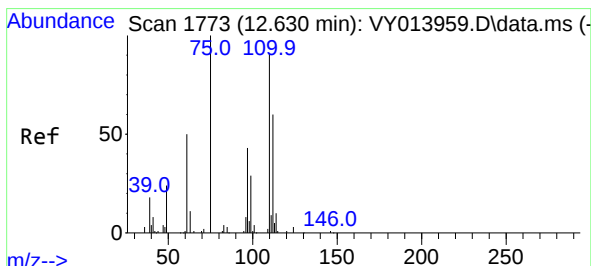
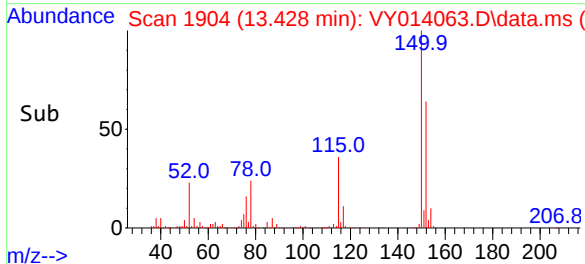
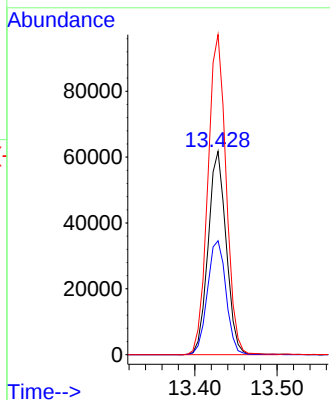
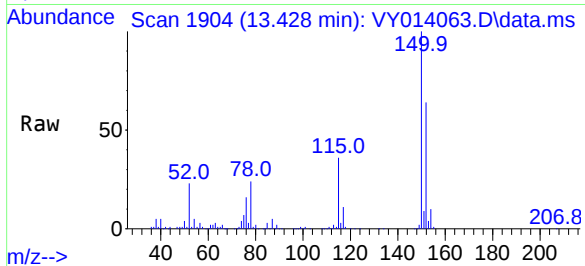




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

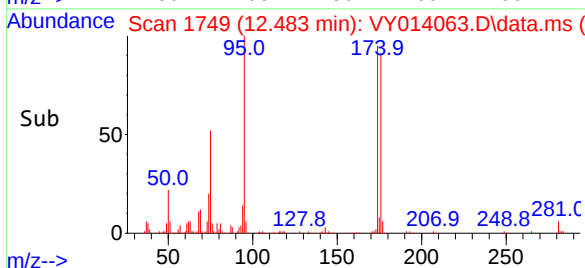
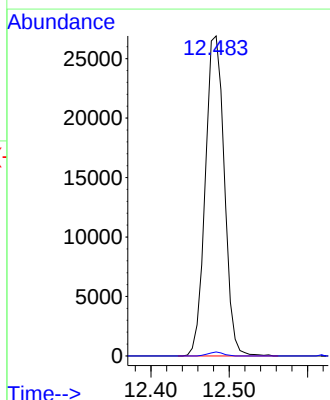
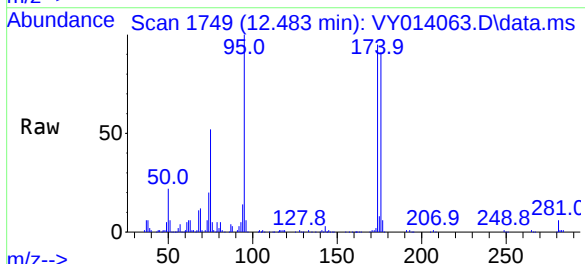
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

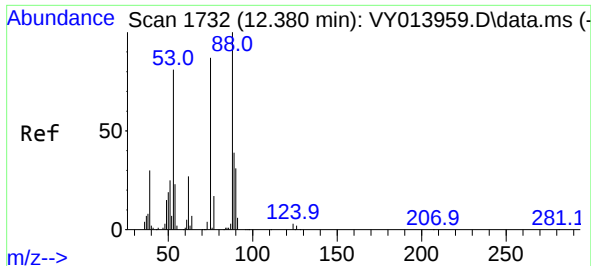
Tgt Ion:152 Resp: 94348
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 159.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 35.689 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion: 75 Resp: 45312
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

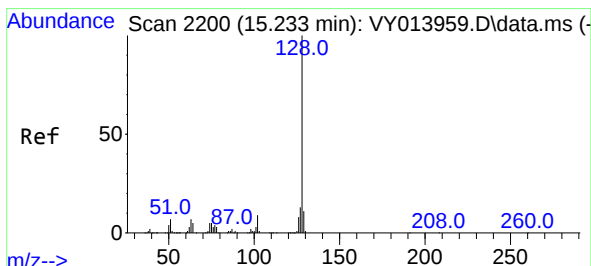
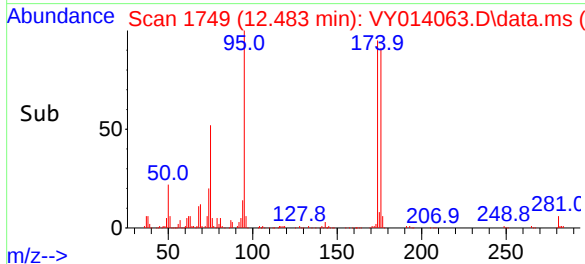
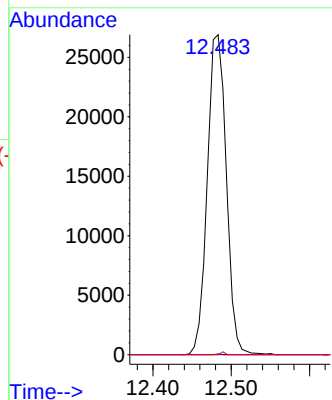
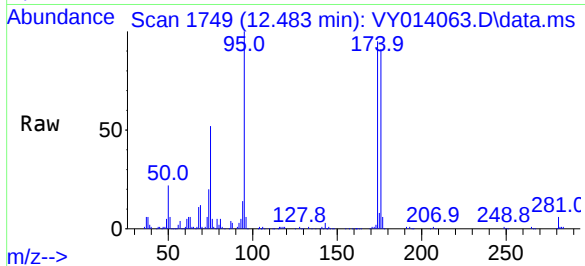




#81
trans-1,4-Dichloro-2-butene
Concen: 75.715 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Instrument :
MSVOA_Y
ClientSampleId :
SB-08-5.0-7.0

Tgt Ion: 75 Resp: 45312
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 3.969 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY014063.D
Acq: 07 Jun 2023 16:29

Tgt Ion:128 Resp: 422
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

