

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014349.D
 Acq On : 21 Jun 2023 20:25
 Operator : KP/MD
 Sample : 03358-06
 Misc : 3.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-(22-26)

Quant Time: Jun 22 01:59:24 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)

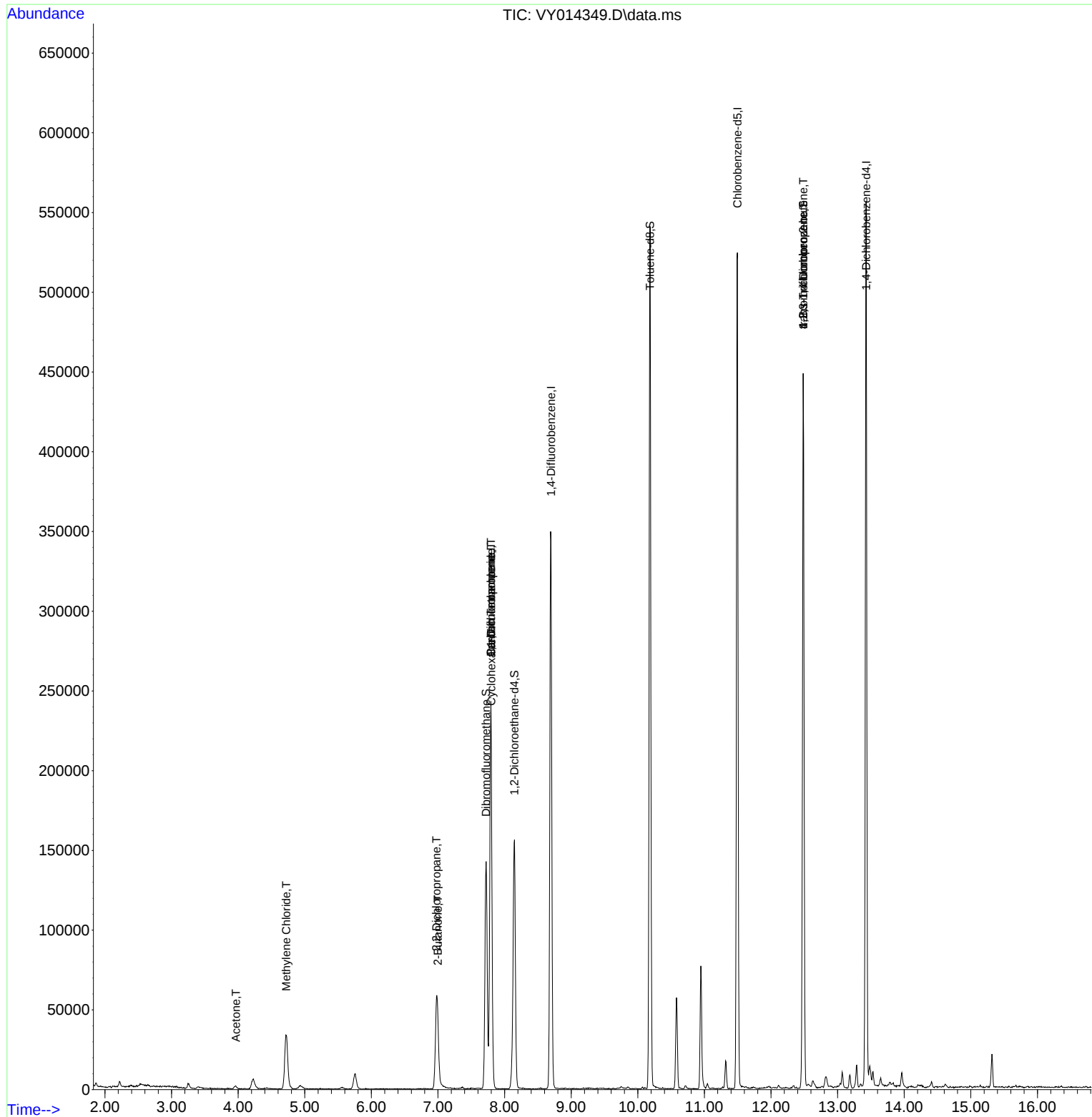
Internal Standards						
1) Pentafluorobenzene	7.795	168	184941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	298122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127566	49.534	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.722	113	97122	45.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.880%		
50) Toluene-d8	10.185	98	354527	44.853	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.700%		
62) 4-Bromofluorobenzene	12.483	95	119719	42.638	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.280%		
Target Compounds						
11) Tert butyl alcohol	4.930	59	1818	Below Cal	#	89
16) Acetone	3.967	43	3396	4.375	ug/l	93
20) Methylene Chloride	4.722	84	26154	7.506	ug/l	90
25) 2-Butanone	6.996	43	7407	7.751	ug/l	# 84
26) 2,2-Dichloropropane	6.978	77	4412	1.112	ug/l	# 54
31) Cyclohexane	7.801	56	4019	1.165	ug/l	# 25
36) 1,1-Dichloropropene	7.795	75	14429	4.378	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	18576	4.884	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	66005	36.362	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	66005	78.600	ug/l	# 11

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

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SB-4-(22-26)

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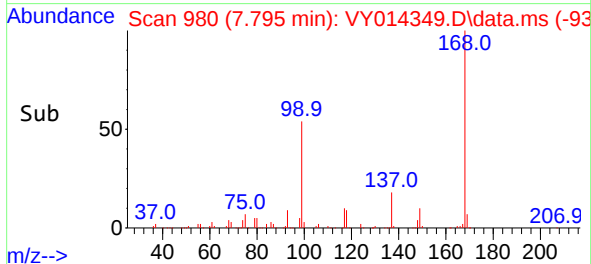
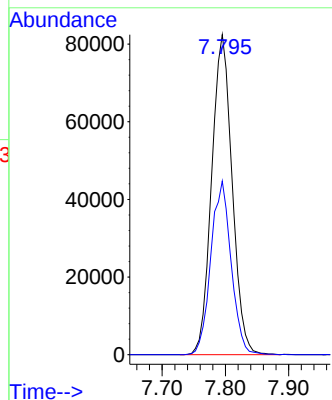
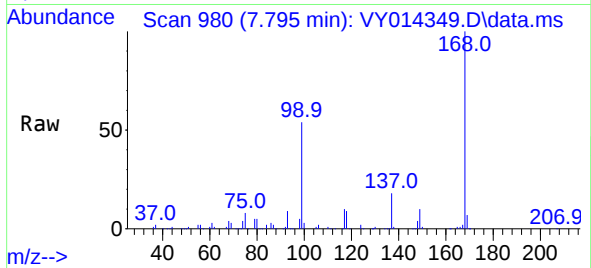




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

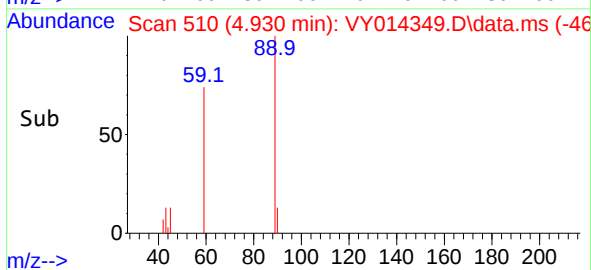
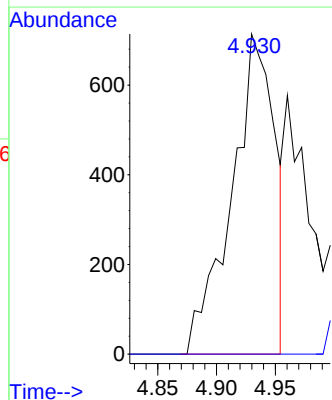
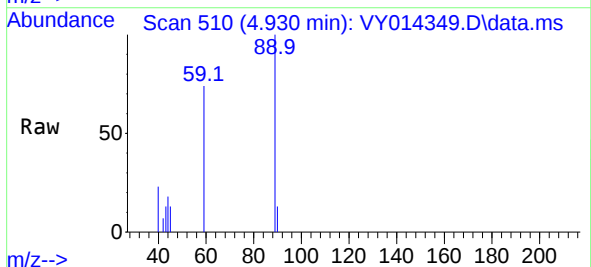
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

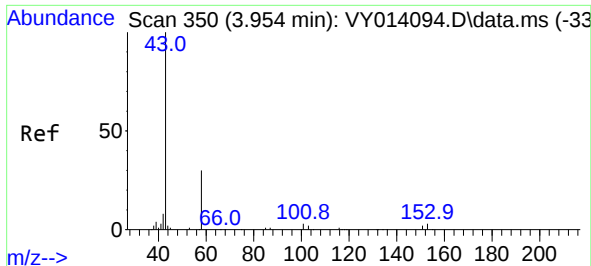
Tgt Ion:168 Resp: 184941
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 59 Resp: 1818
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

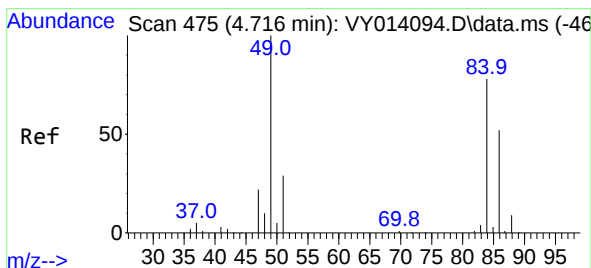
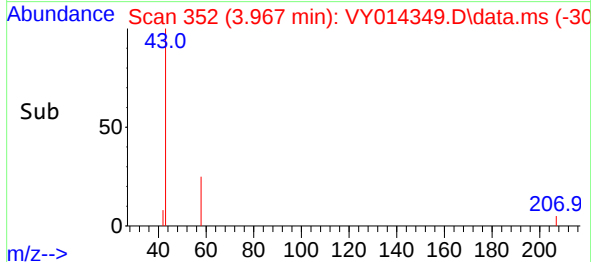
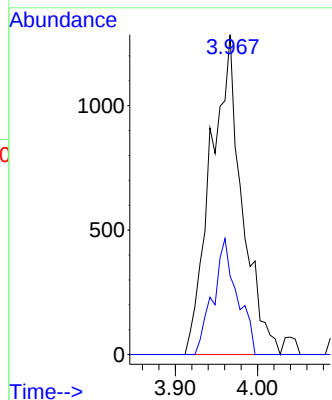
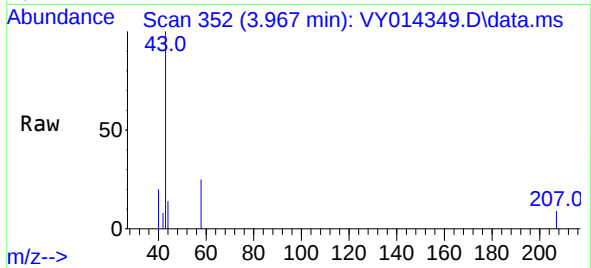




#16
Acetone
Concen: 4.375 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

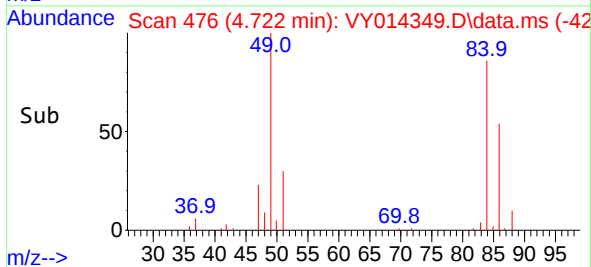
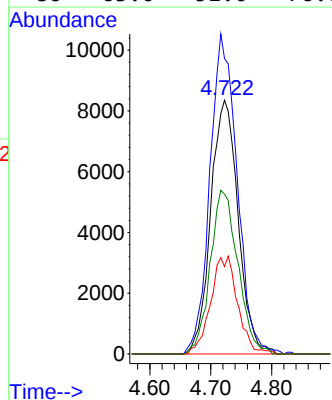
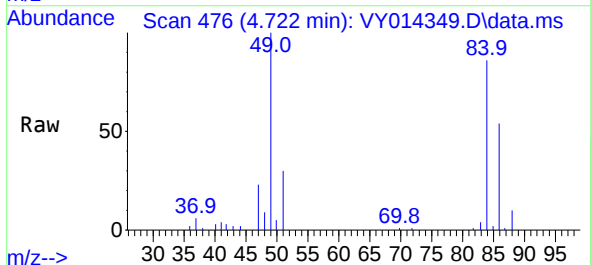
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

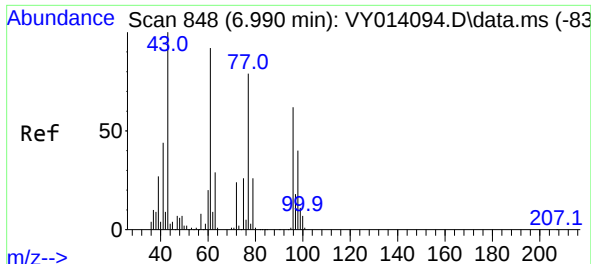
Tgt Ion: 43 Resp: 3396
Ion Ratio Lower Upper
43 100
58 24.5 22.7 34.1



#20
Methylene Chloride
Concen: 7.506 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 84 Resp: 26154
Ion Ratio Lower Upper
84 100
49 116.4 106.9 160.3
51 34.4 33.2 49.8
86 63.0 51.0 76.6

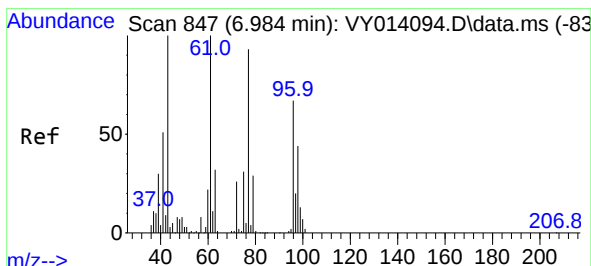
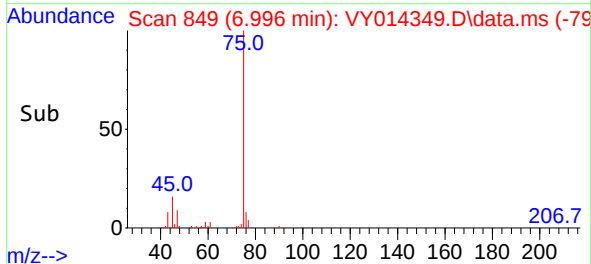
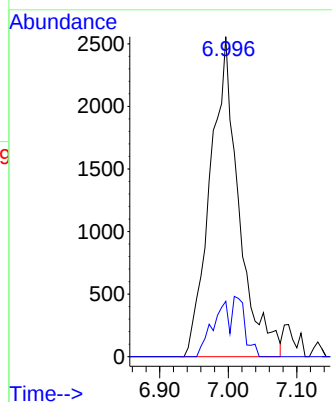
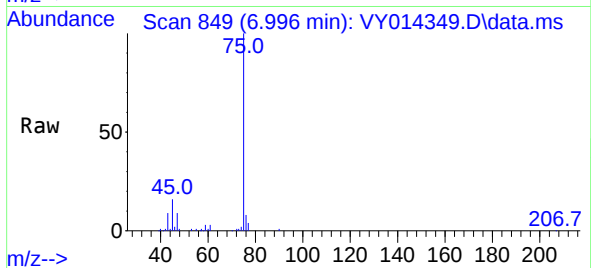




#25
2-Butanone
Concen: 7.751 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

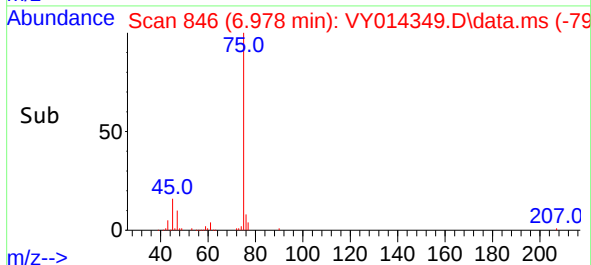
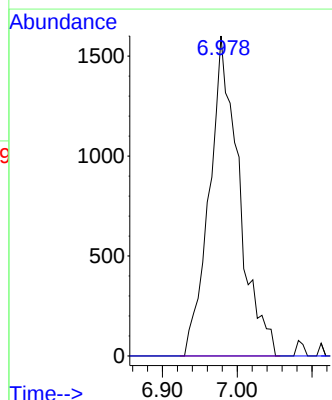
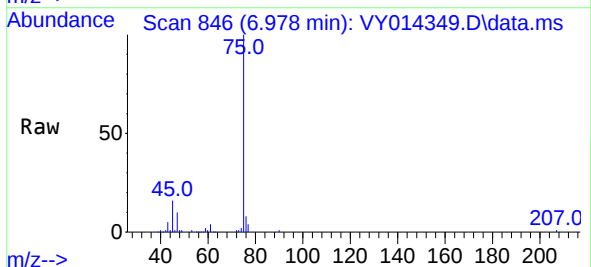
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

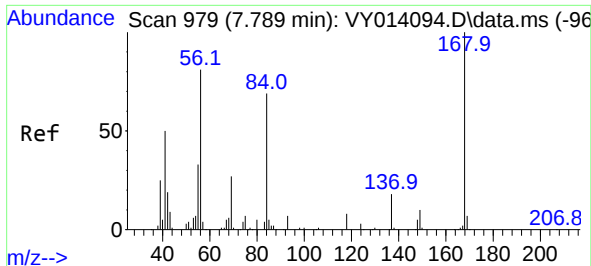
Tgt Ion: 43 Resp: 7407
Ion Ratio Lower Upper
43 100
72 17.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.112 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 77 Resp: 4412
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

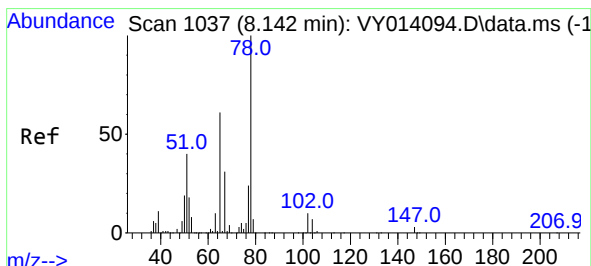
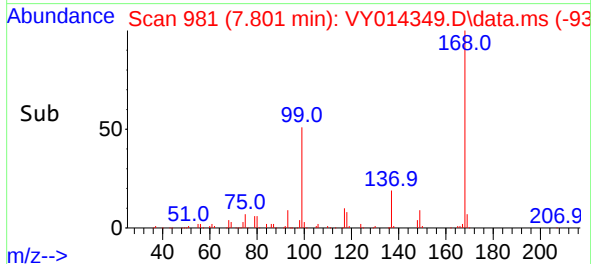
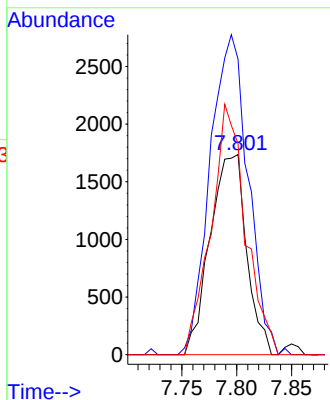
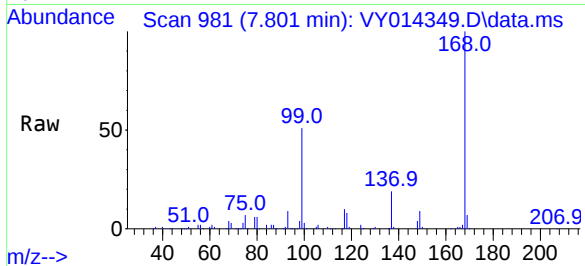




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

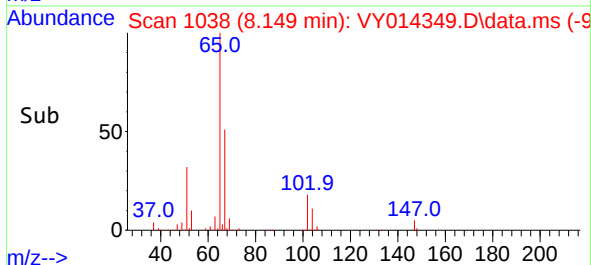
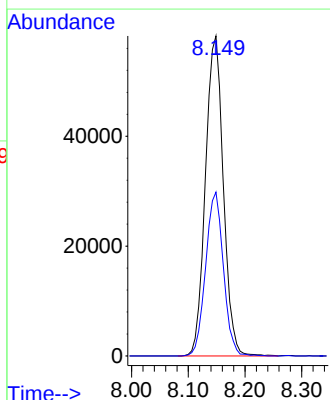
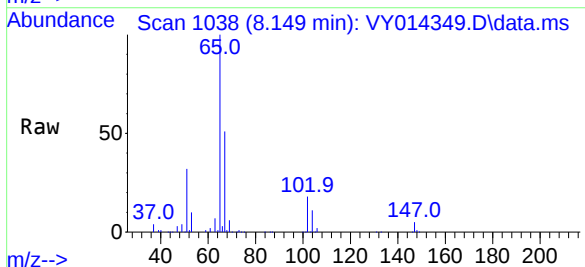
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

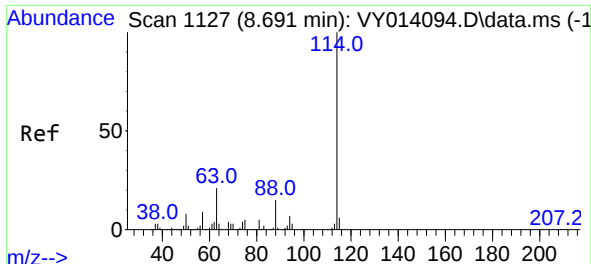
Tgt Ion: 56 Resp: 4019
Ion Ratio Lower Upper
56 100
69 147.7 27.8 41.6#
84 105.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.534 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 65 Resp: 127566
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014349.D

Acq: 21 Jun 2023 20:25

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-(22-26)

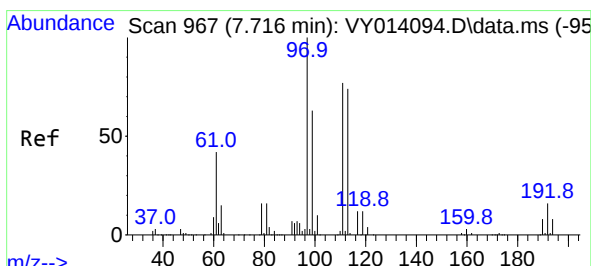
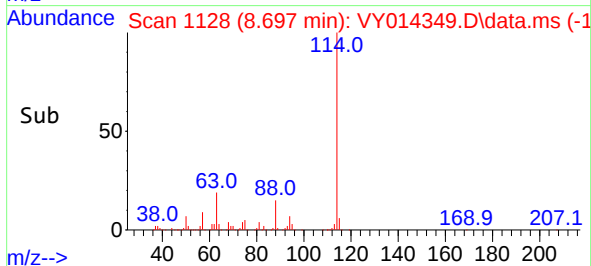
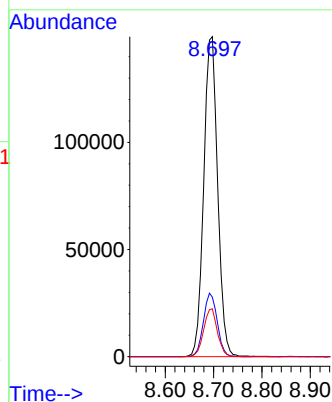
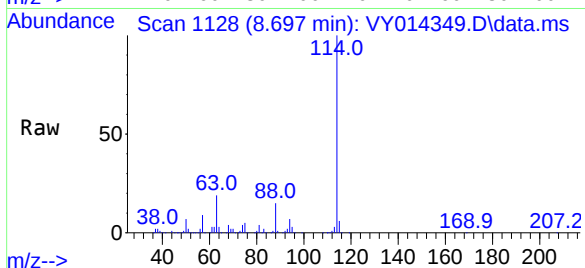
Tgt Ion:114 Resp: 298122

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.938 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014349.D

Acq: 21 Jun 2023 20:25

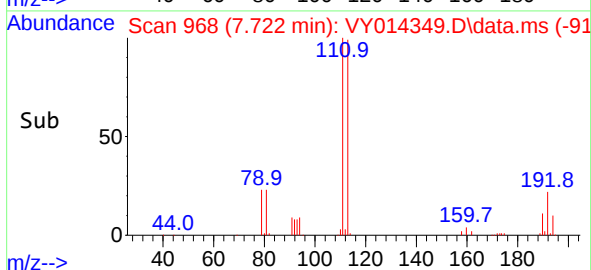
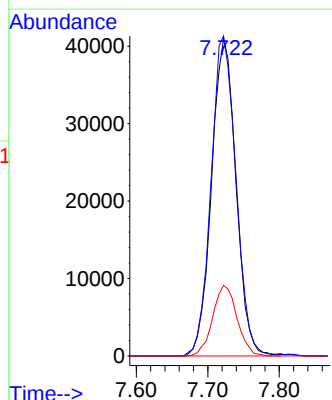
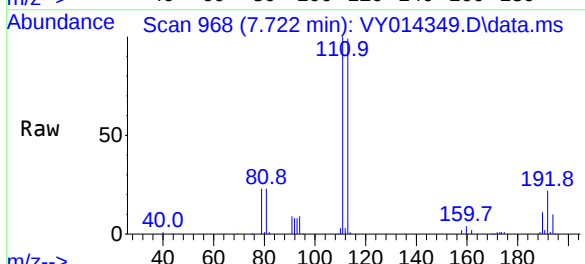
Tgt Ion:113 Resp: 97122

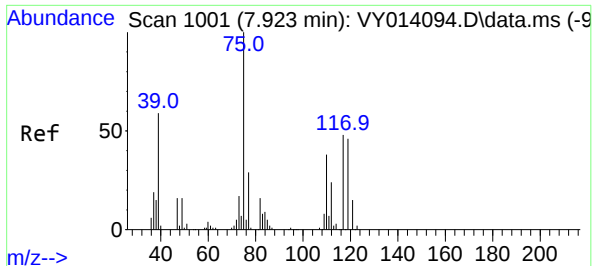
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 22.2 16.9 25.3

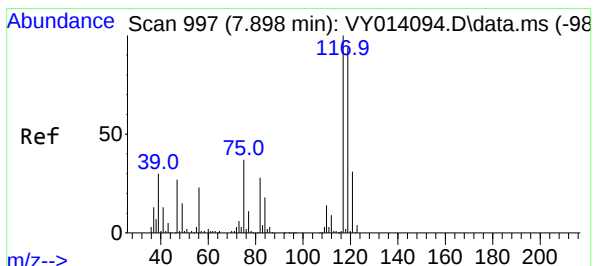
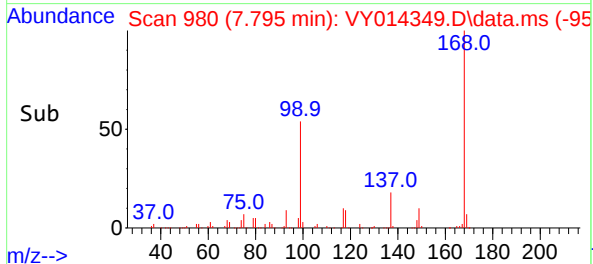
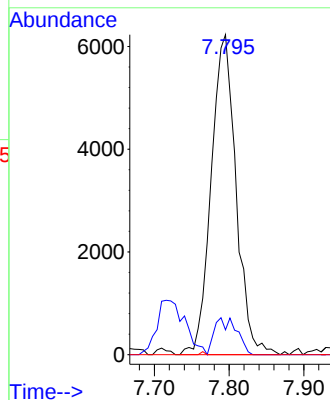
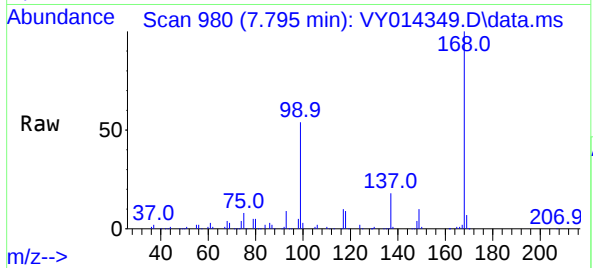




#36
 1,1-Dichloropropene
 Concen: 4.378 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.128 min
 Lab File: VY014349.D
 Acq: 21 Jun 2023 20:25

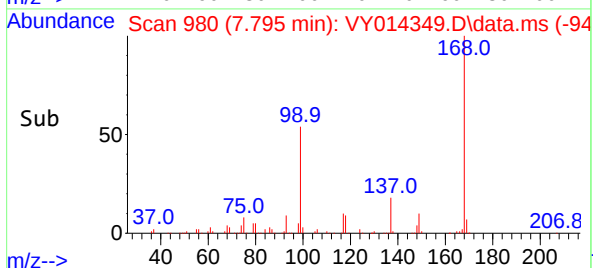
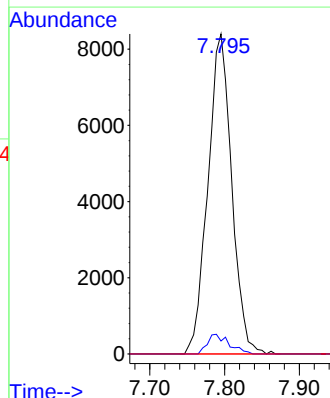
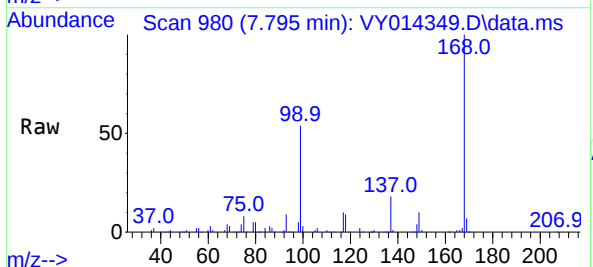
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 SB-4-(22-26)

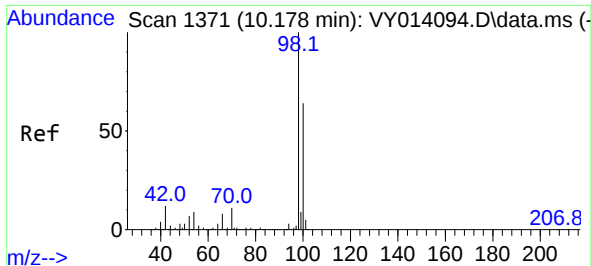
Tgt Ion: 75 Resp: 14429
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.884 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.103 min
 Lab File: VY014349.D
 Acq: 21 Jun 2023 20:25

Tgt Ion: 117 Resp: 18576
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.4 114.6#
 121 0.0 25.8 38.6#

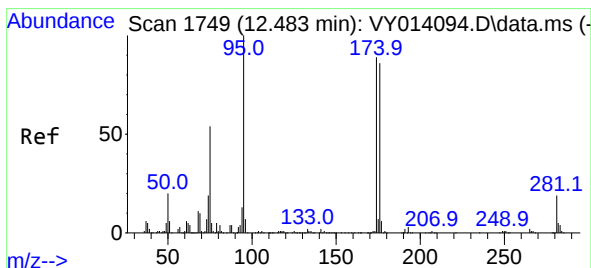
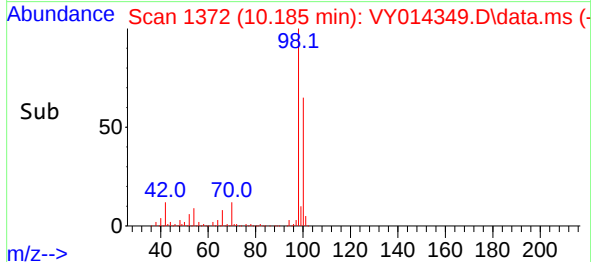
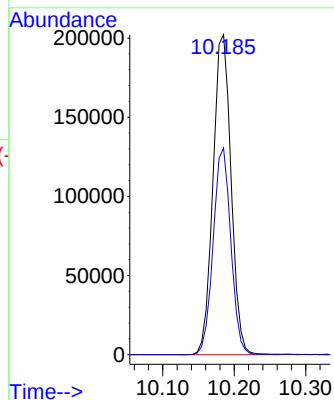
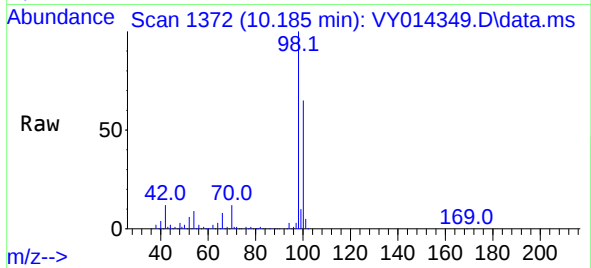




#50
Toluene-d8
Concen: 44.853 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

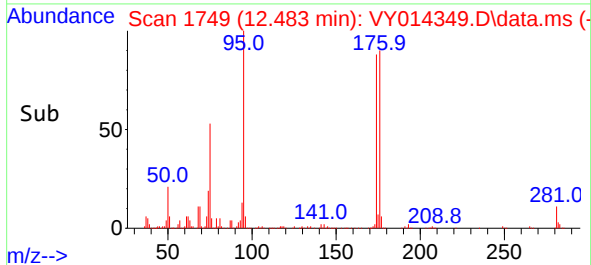
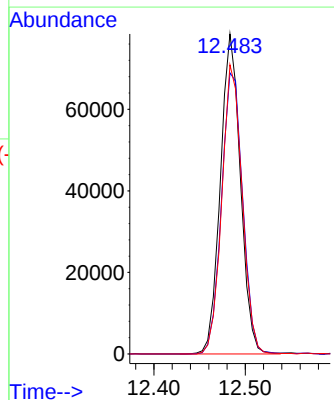
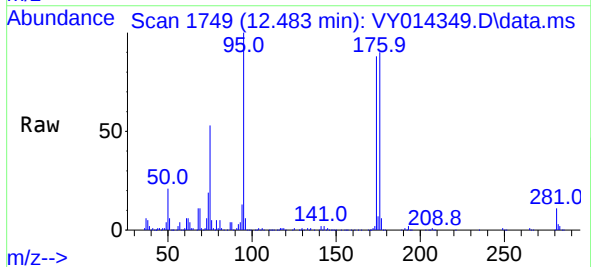
Instrument :
MSVOA_Y
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SB-4-(22-26)

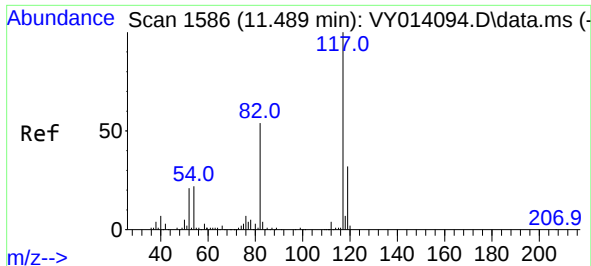
Tgt Ion: 98 Resp: 354527
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.638 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 95 Resp: 119719
Ion Ratio Lower Upper
95 100
174 92.7 0.0 178.2
176 91.4 0.0 173.8

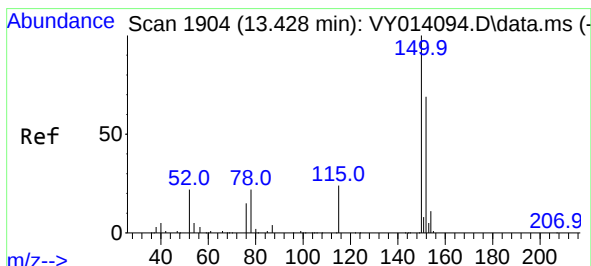
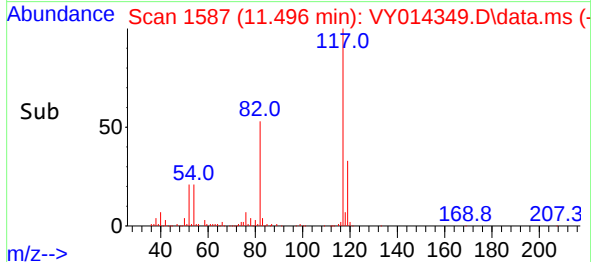
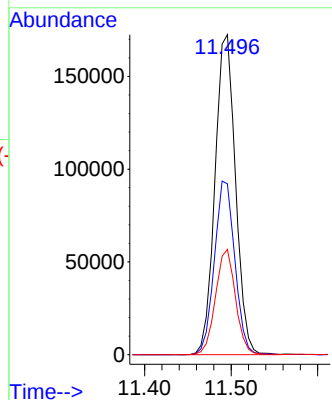
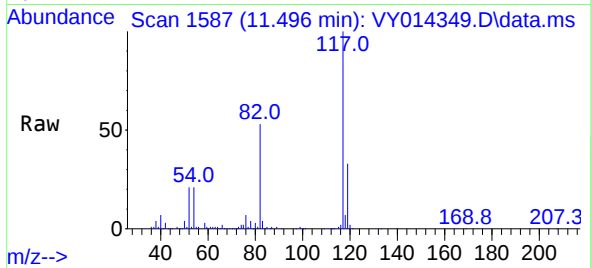




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

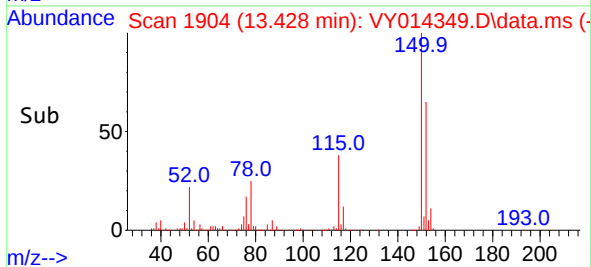
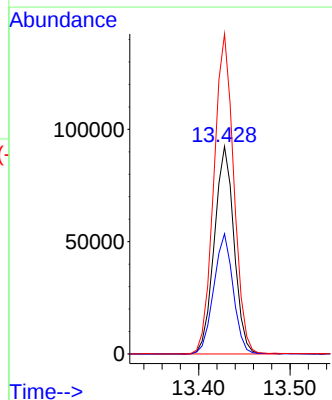
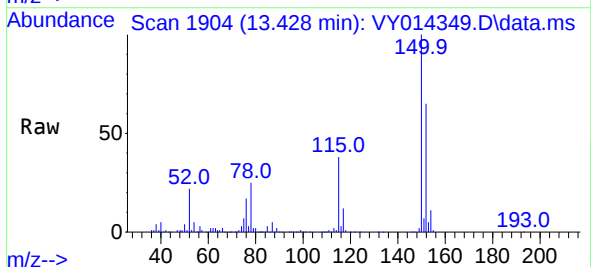
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

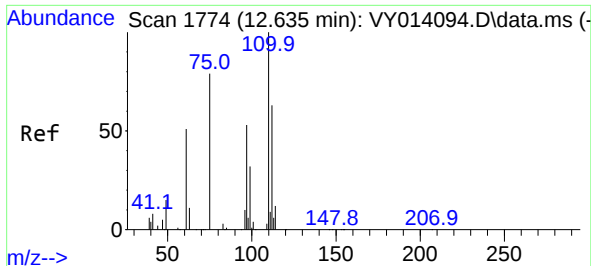
Tgt Ion:117 Resp: 284235
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion:152 Resp: 138359
Ion Ratio Lower Upper
152 100
115 57.2 28.8 86.5
150 156.0 0.0 348.8

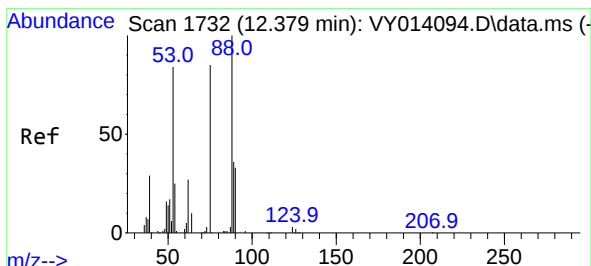
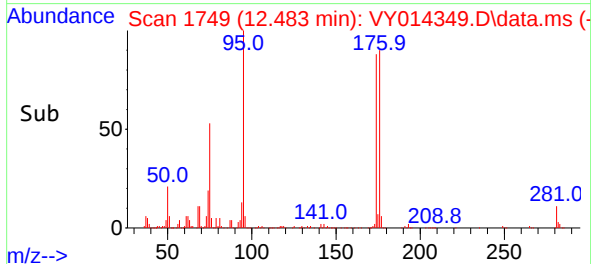
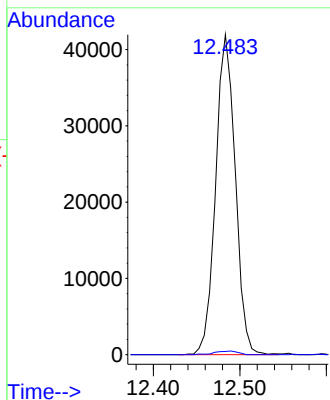
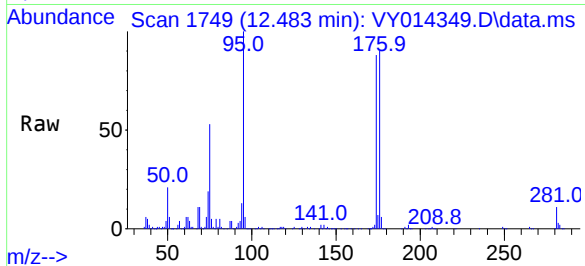




#76
1,2,3-Trichloropropane
Concen: 36.362 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Instrument :
MSVOA_Y
ClientSampleId :
SB-4-(22-26)

Tgt Ion: 75 Resp: 66005
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.600 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014349.D
Acq: 21 Jun 2023 20:25

Tgt Ion: 75 Resp: 66005
Ion Ratio Lower Upper
75 100
53 0.9 77.8 116.8#
89 0.2 37.4 56.0#

