

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102722\
 Data File : VY011138.D
 Acq On : 27 Oct 2022 14:56
 Operator : KP/MD
 Sample : N5281-05RE
 Misc : 6.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5S

Quant Time: Oct 28 00:47:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	246411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	433669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	389181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174897	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121092	53.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.700%
35) Dibromofluoromethane	7.710	113	134691	55.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.960%
50) Toluene-d8	10.179	98	424182	46.845	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.477	95	155583	48.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.820%

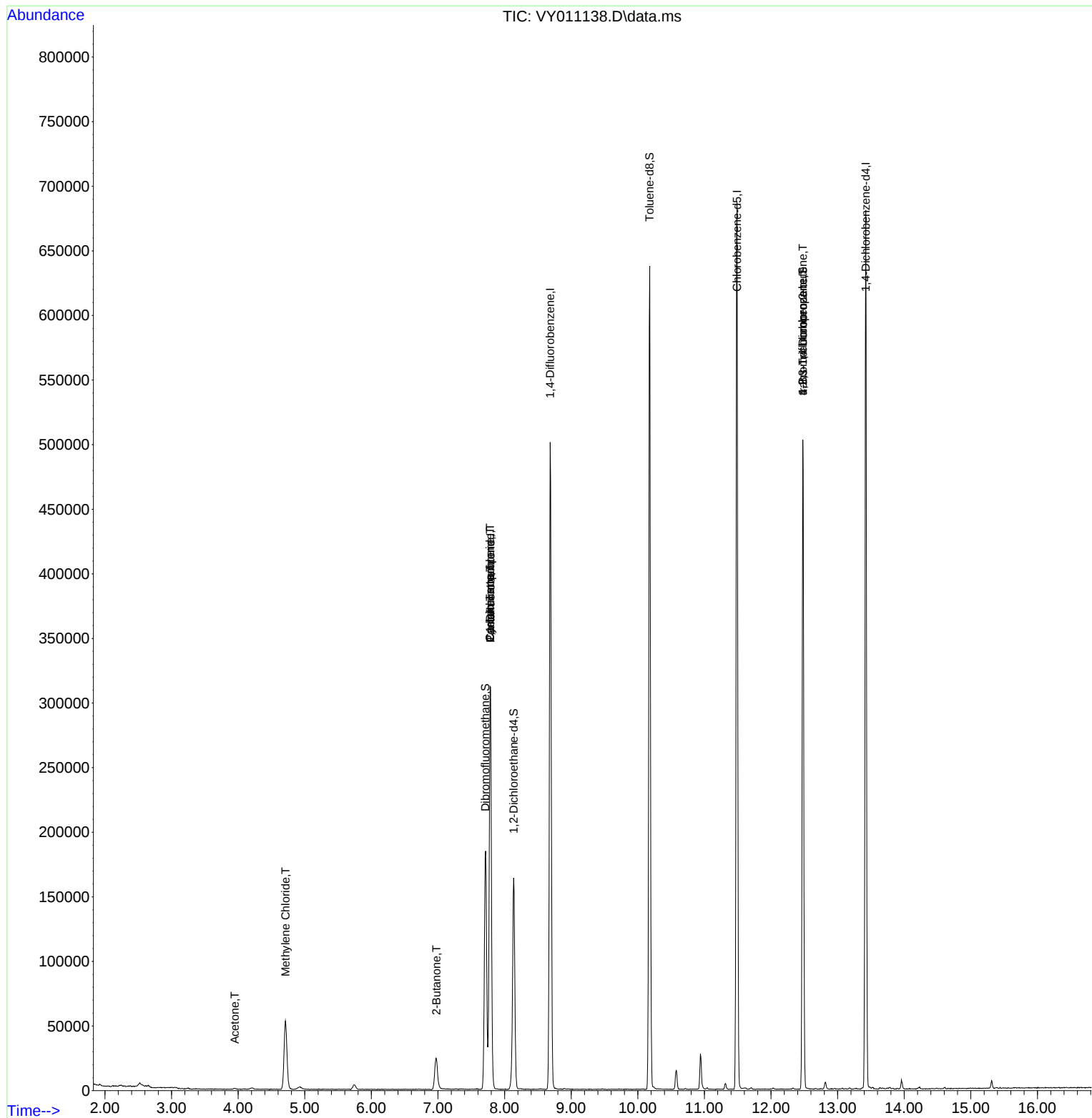
Target Compounds					Qvalue
11) Tert butyl alcohol	4.930	59	2530	Below Cal	# 77
16) Acetone	3.948	43	1167	1.770	ug/l # 83
18) Methyl Acetate	4.686	43	106	Below Cal	# 56
20) Methylene Chloride	4.710	84	41303	9.227	ug/l # 82
25) 2-Butanone	6.978	43	1951	1.952	ug/l # 98
31) Cyclohexane	7.783	56	4699	1.082	ug/l # 1
36) 1,1-Dichloropropene	7.783	75	19382	4.801	ug/l # 50
38) Carbon Tetrachloride	7.783	117	24409	5.857	ug/l # 15
76) 1,2,3-Trichloropropane	12.477	75	78986	39.779	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.477	75	78986	85.553	ug/l # 7

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

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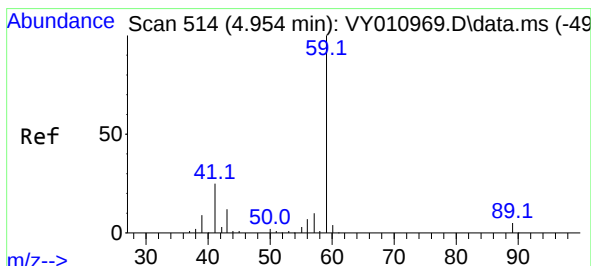
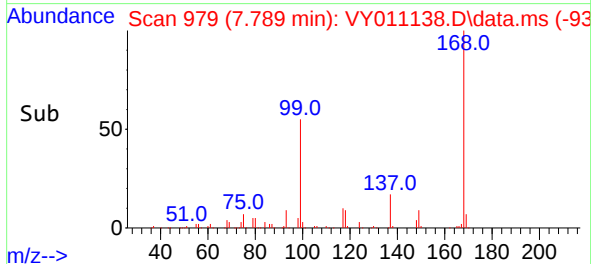
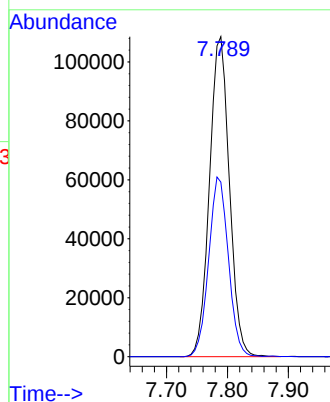
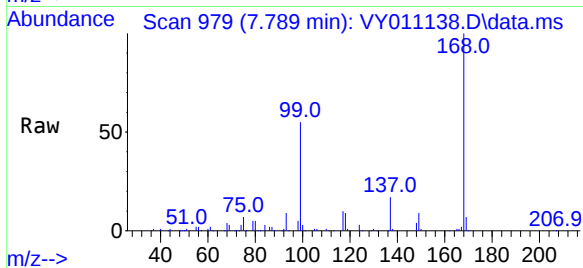




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

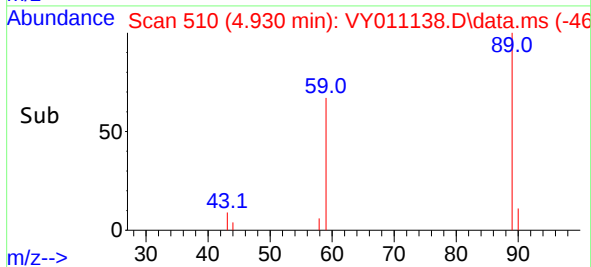
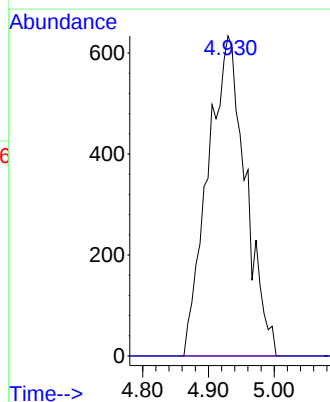
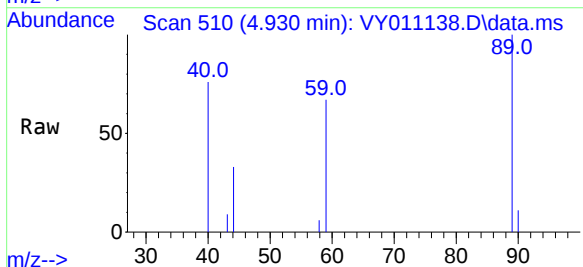
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

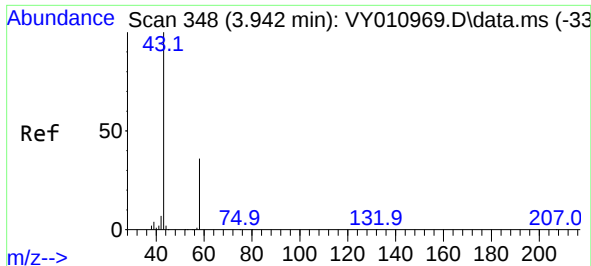
Tgt Ion:168 Resp: 246411
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion: 59 Resp: 2530
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

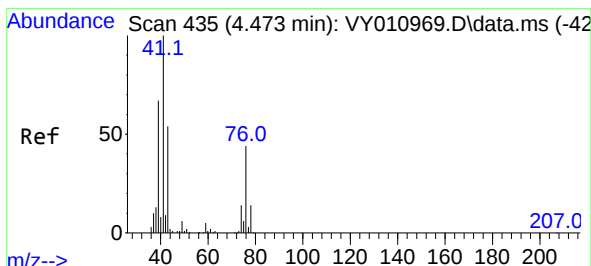
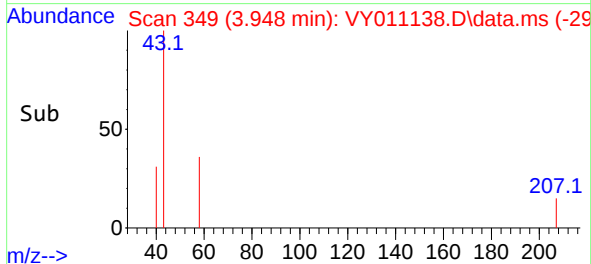
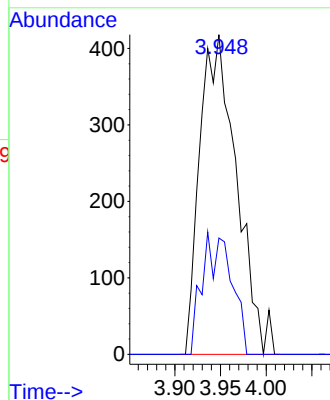
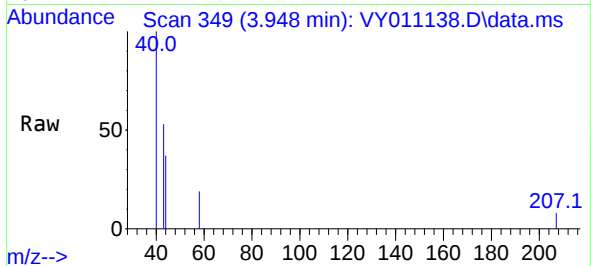




#16
Acetone
Concen: 1.770 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

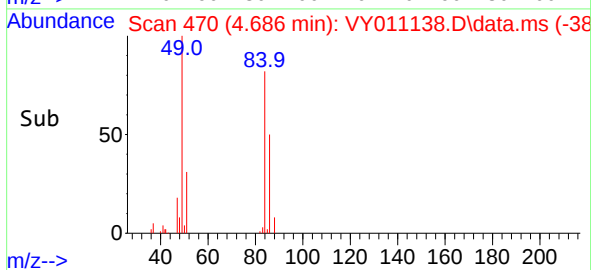
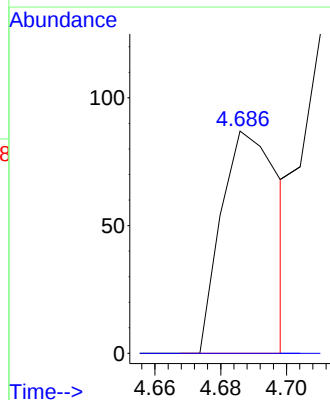
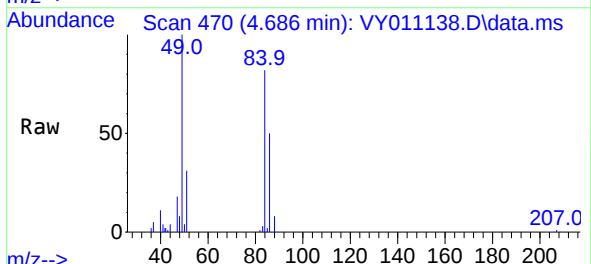
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

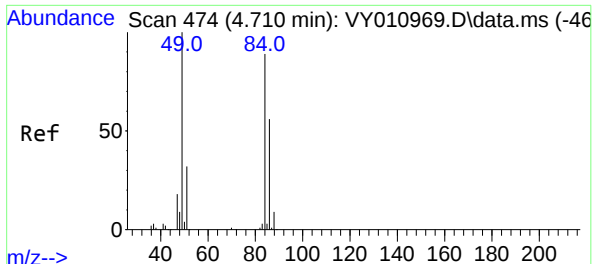
Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
58 36.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. 0.213 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

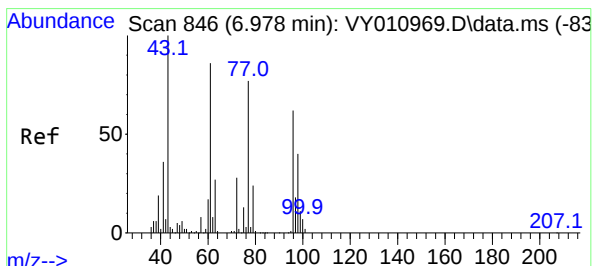
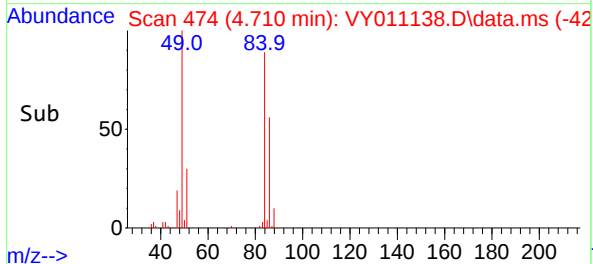
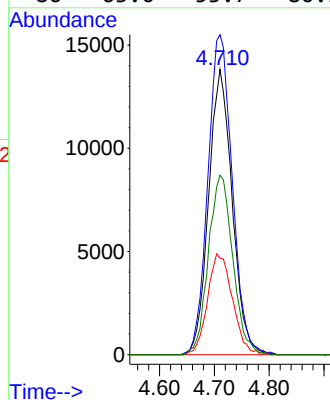
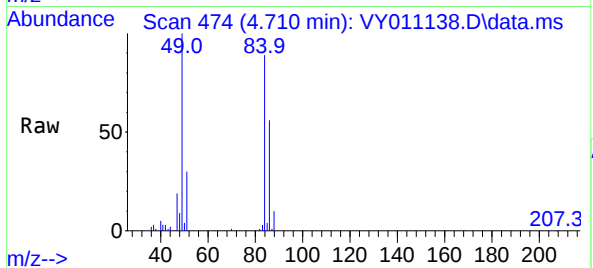




#20
Methylene Chloride
Concen: 9.227 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

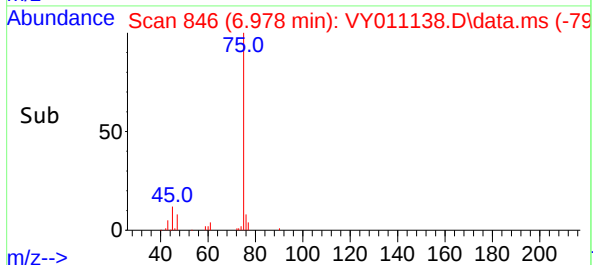
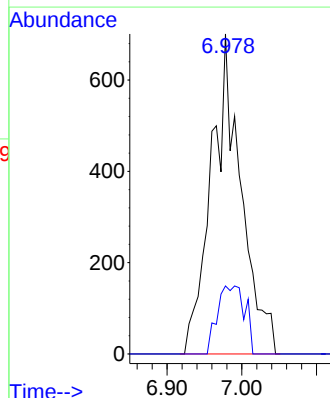
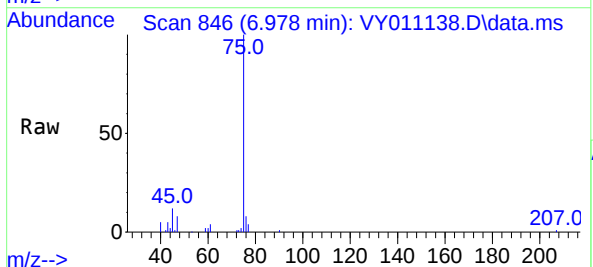
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

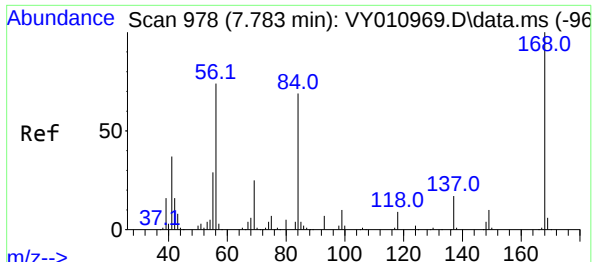
Tgt Ion: 84 Resp: 41303
Ion Ratio Lower Upper
84 100
49 112.2 114.4 171.6#
51 33.8 35.3 52.9#
86 63.0 53.7 80.5



#25
2-Butanone
Concen: 1.952 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

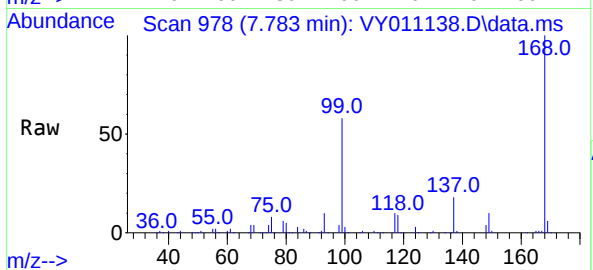
Tgt Ion: 43 Resp: 1951
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5



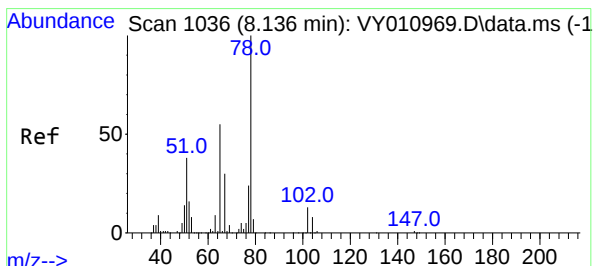
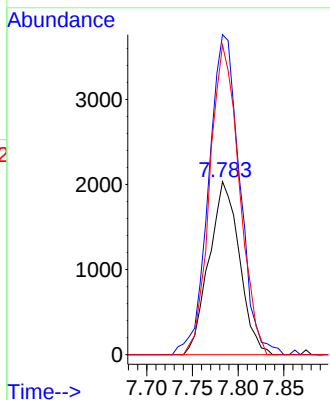
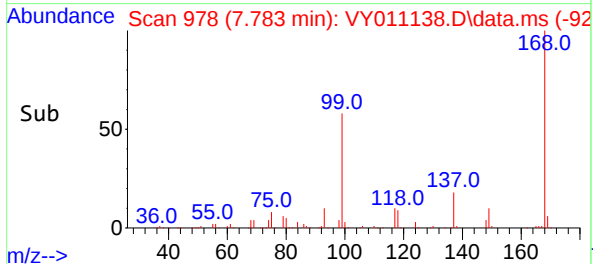


#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

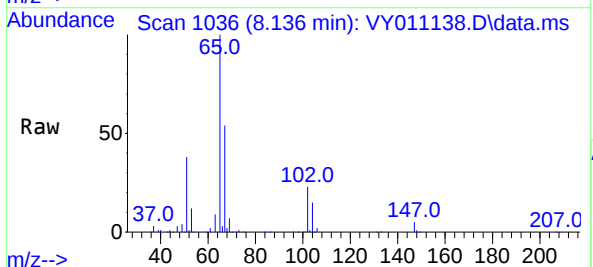
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S



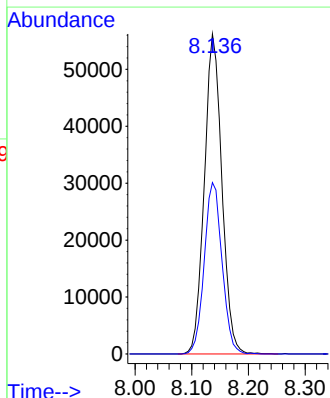
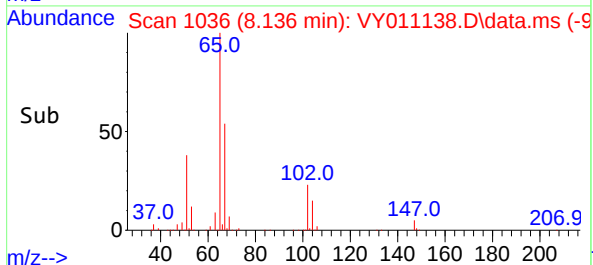
Tgt Ion: 56 Resp: 4699
Ion Ratio Lower Upper
56 100
69 181.2 26.7 40.1#
84 178.9 67.2 100.8#

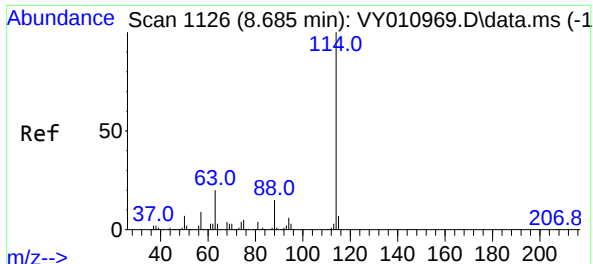


#33
1,2-Dichloroethane-d4
Concen: 53.349 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56



Tgt Ion: 65 Resp: 121092
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011138.D

Acq: 27 Oct 2022 14:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-5S

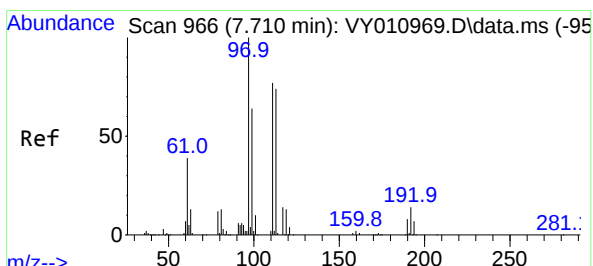
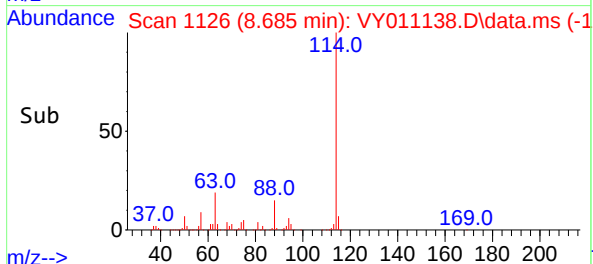
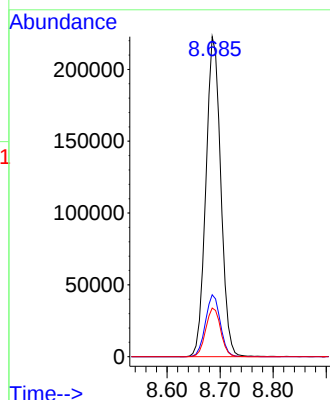
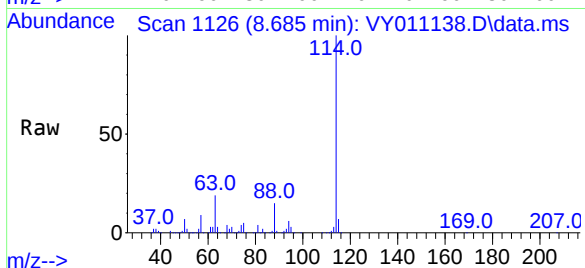
Tgt Ion:114 Resp: 433669

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.975 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011138.D

Acq: 27 Oct 2022 14:56

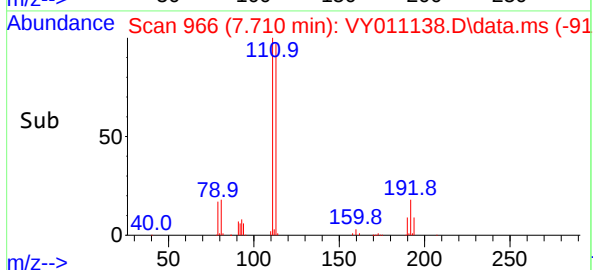
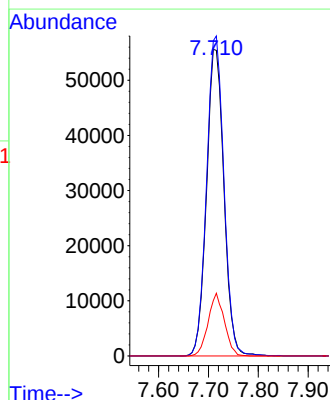
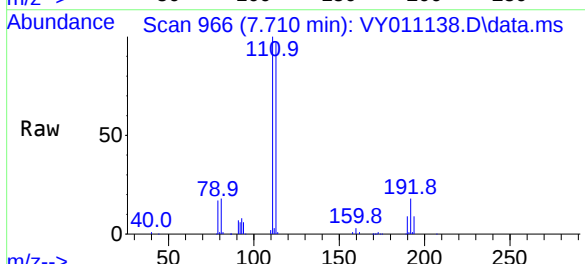
Tgt Ion:113 Resp: 134691

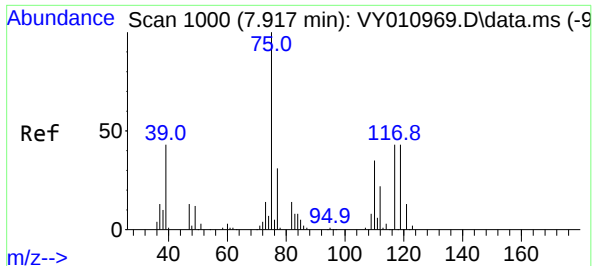
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 19.2 17.6 26.4

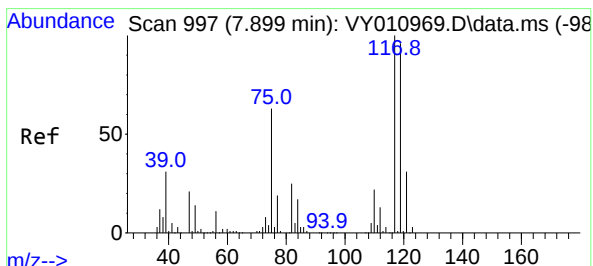
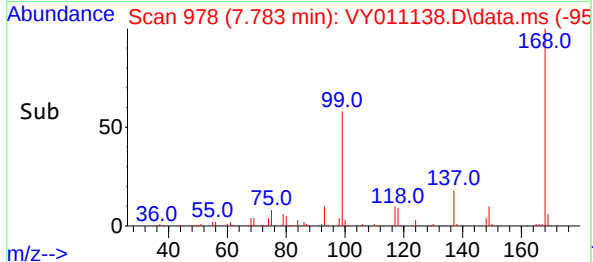
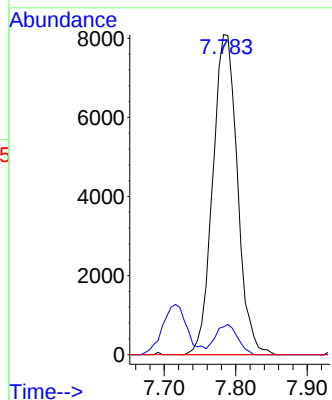
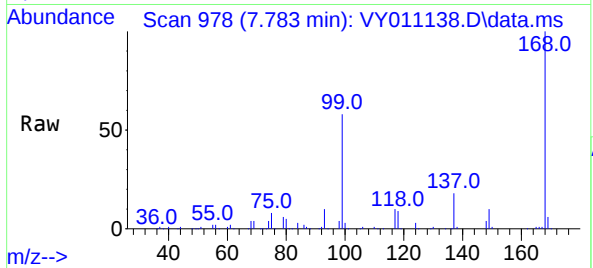




#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

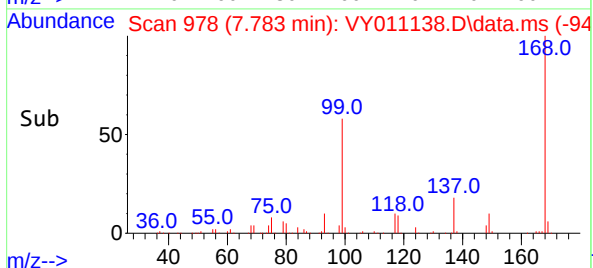
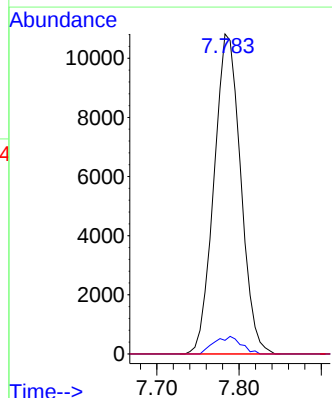
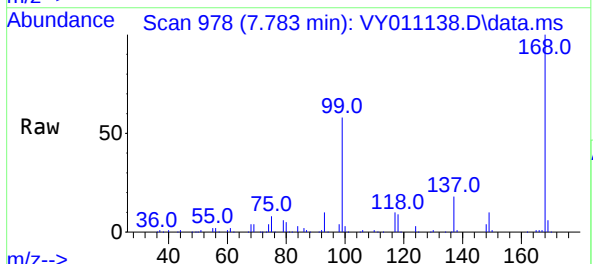
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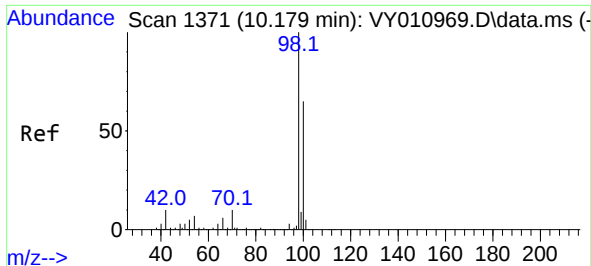
Tgt Ion: 75 Resp: 19382
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion: 117 Resp: 24409
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#

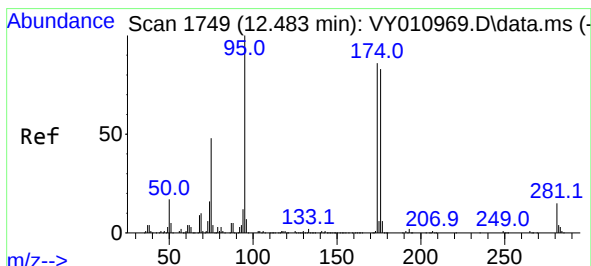
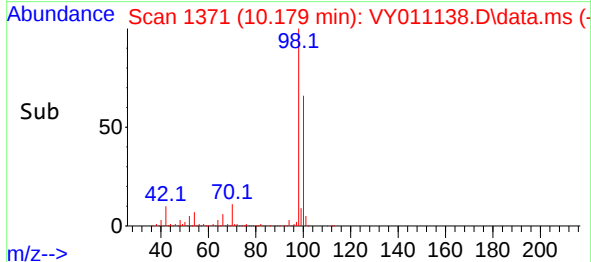
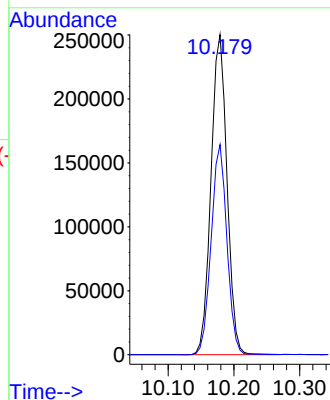
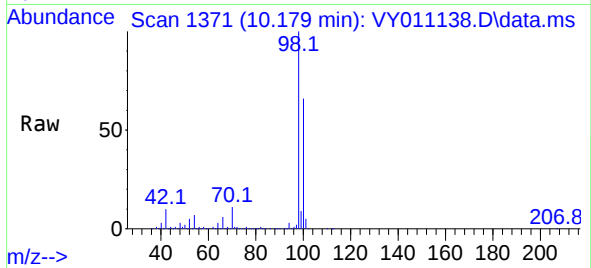




#50
Toluene-d8
Concen: 46.845 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

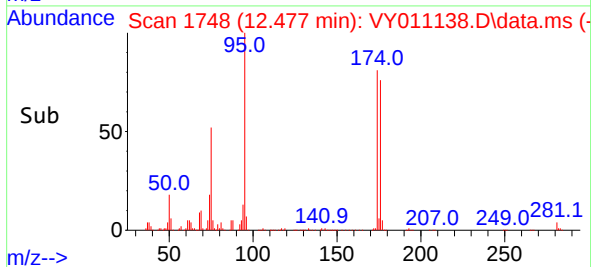
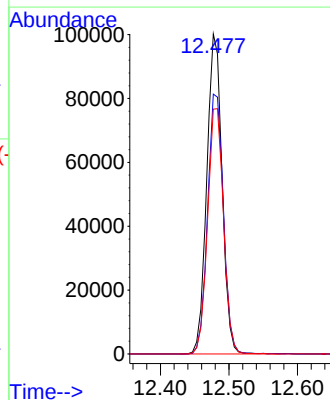
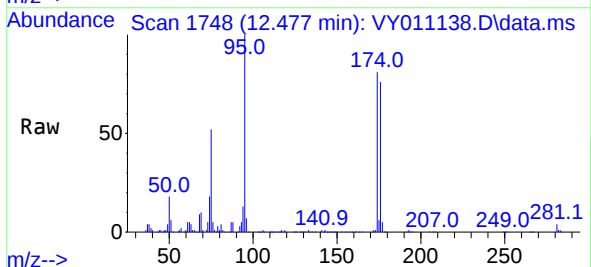
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

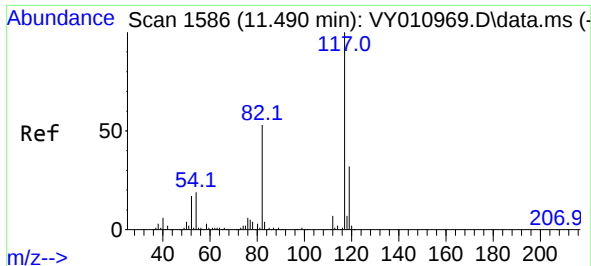
Tgt Ion: 98 Resp: 424182
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.407 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion: 95 Resp: 155583
Ion Ratio Lower Upper
95 100
174 84.2 0.0 177.0
176 79.7 0.0 175.8

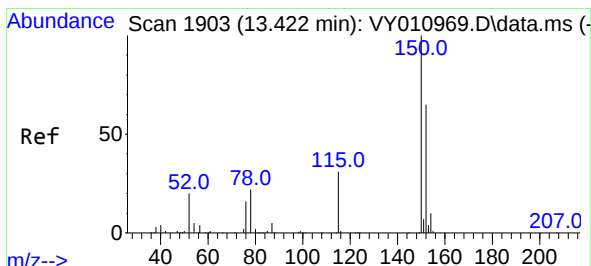
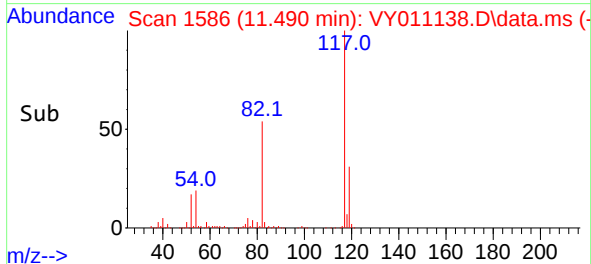
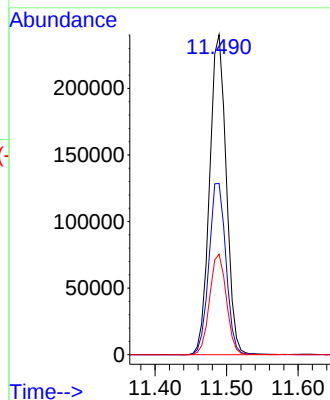
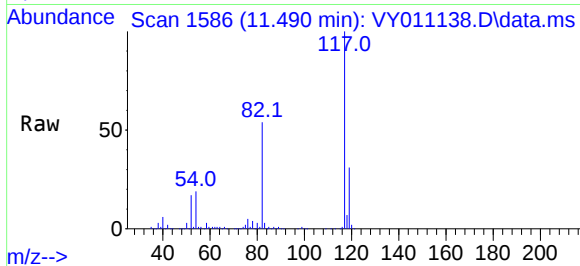




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

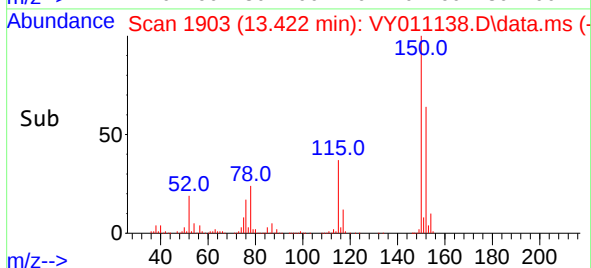
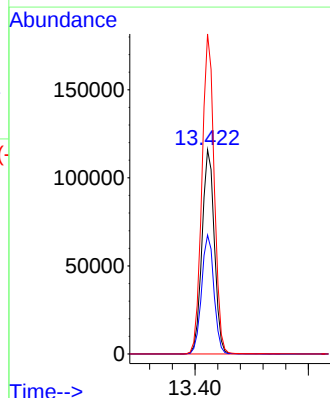
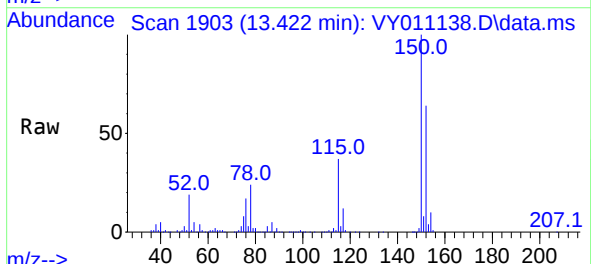
Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

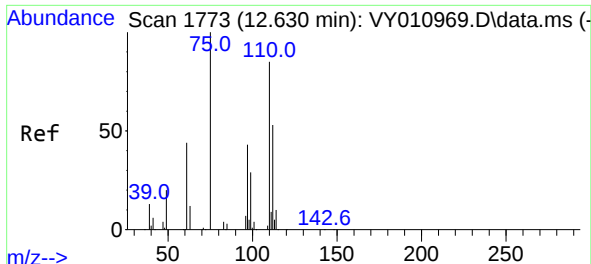
Tgt Ion:117 Resp: 389181
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion:152 Resp: 174897
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 155.8 0.0 347.6

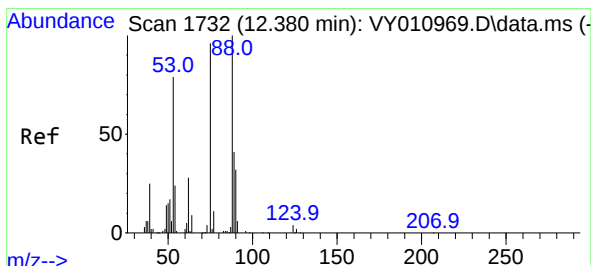
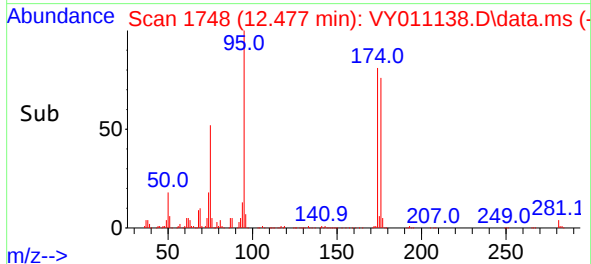
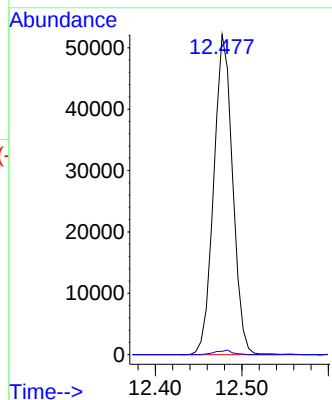
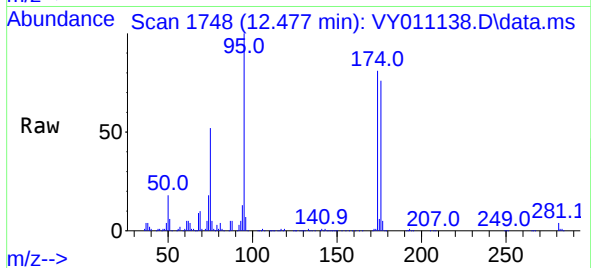




#76
1,2,3-Trichloropropane
Concen: 39.779 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-5S

Tgt Ion: 75 Resp: 78986
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011138.D
Acq: 27 Oct 2022 14:56

Tgt Ion: 75 Resp: 78986
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

