

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011112.D
 Acq On : 26 Oct 2022 13:42
 Operator : KP/MD
 Sample : N5281-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Oct 27 04:38:38 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)

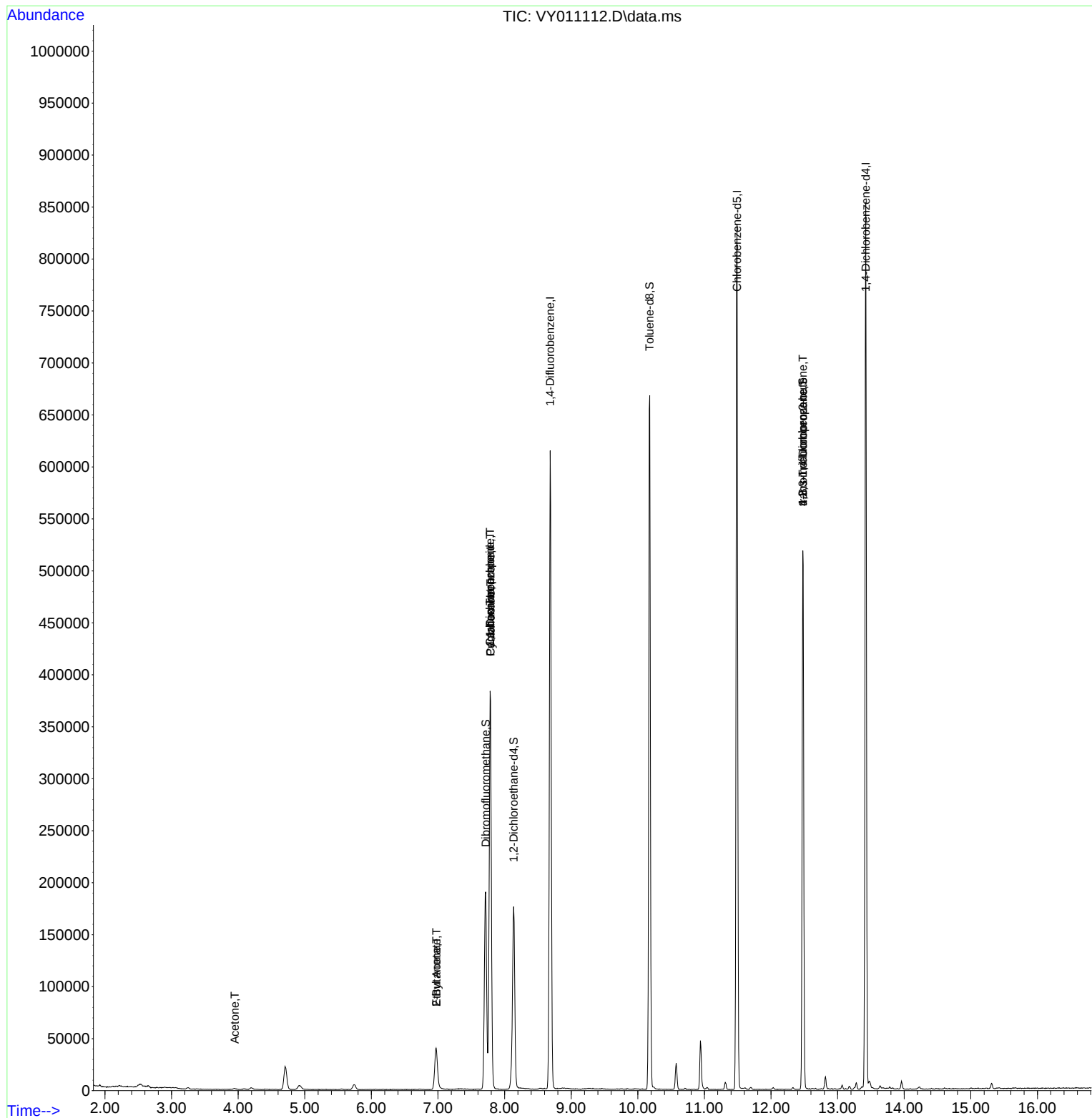
Internal Standards						
1) Pentafluorobenzene	7.789	168	295036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	521950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	470678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128755	47.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.760%
35) Dibromofluoromethane	7.716	113	138691	47.563	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.120%
50) Toluene-d8	10.179	98	445859	40.911	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.820%
62) 4-Bromofluorobenzene	12.477	95	163300	41.796	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	4521	Below Cal	#	80
16) Acetone	3.948	43	1694	2.146	ug/l	97
18) Methyl Acetate	4.704	43	127	Below Cal	#	56
20) Methylene Chloride	4.710	84	17163	Below Cal	#	80
25) 2-Butanone	6.978	43	2980	2.490	ug/l	# 87
31) Cyclohexane	7.789	56	5575	1.072	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	22899	4.713	ug/l	# 51
37) Ethyl Acetate	6.978	43	2980	1.108	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	28579	5.698	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	80532	33.388	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	80532	71.808	ug/l	# 7

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

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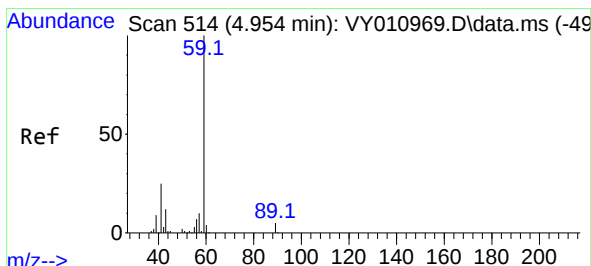
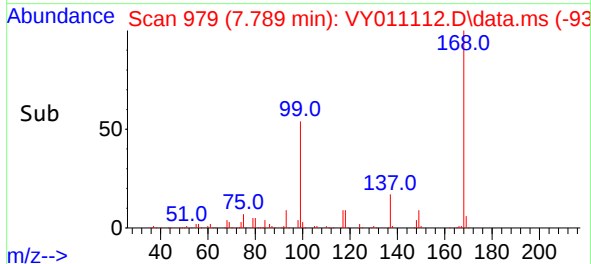
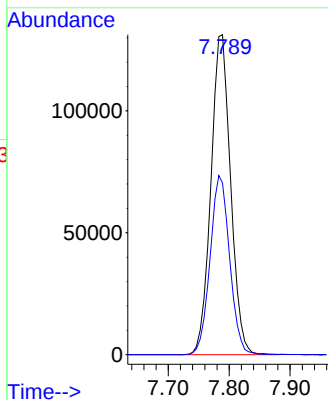
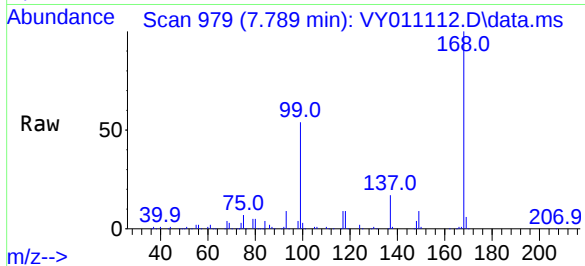




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

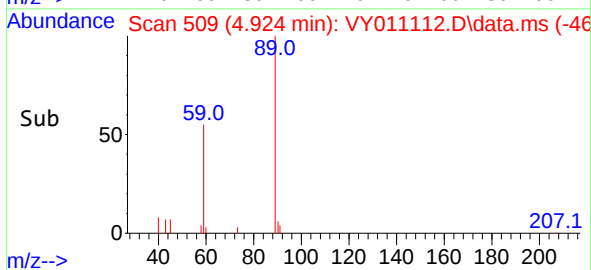
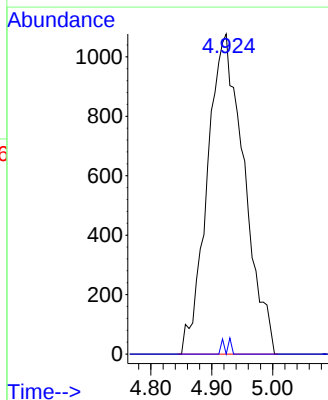
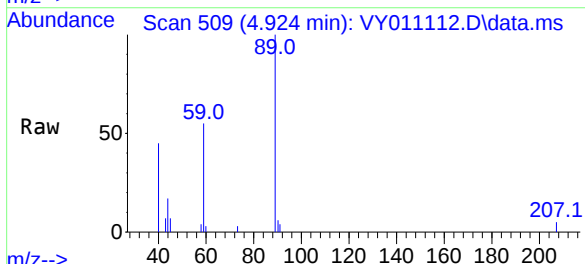
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

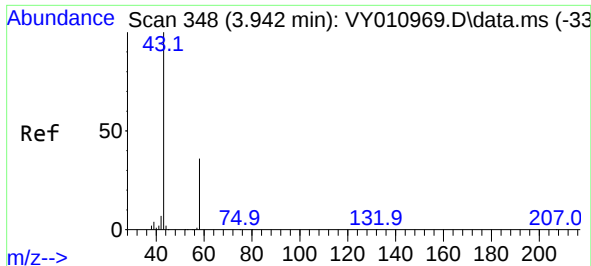
Tgt Ion:168 Resp: 295036
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 59 Resp: 4521
Ion Ratio Lower Upper
59 100
57 0.8 6.4 9.6#

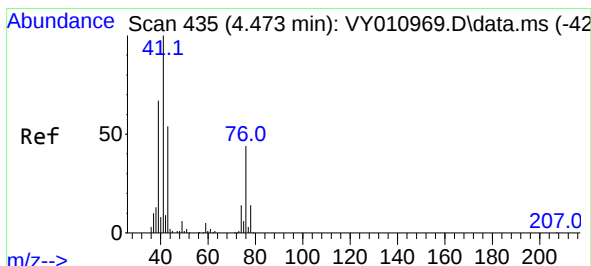
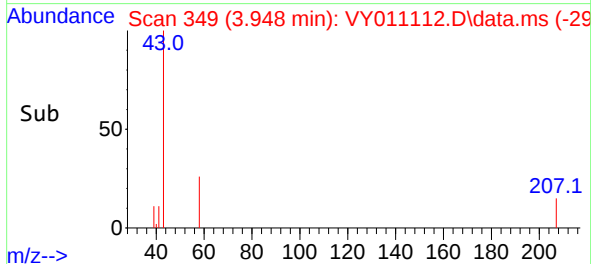
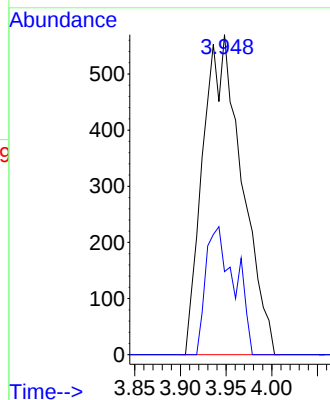
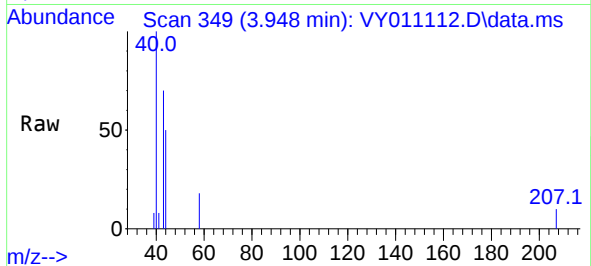




#16
Acetone
Concen: 2.146 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

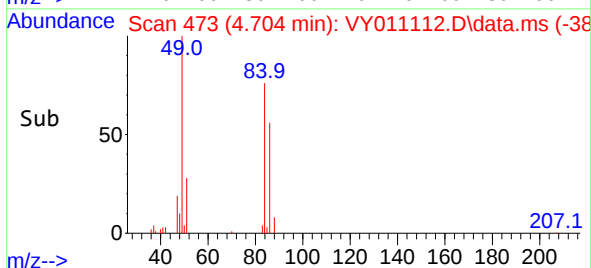
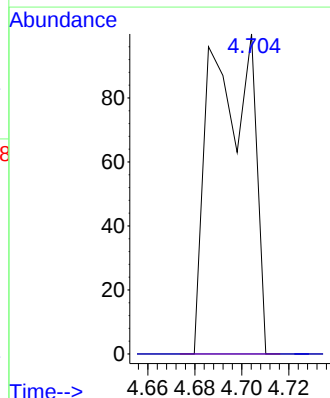
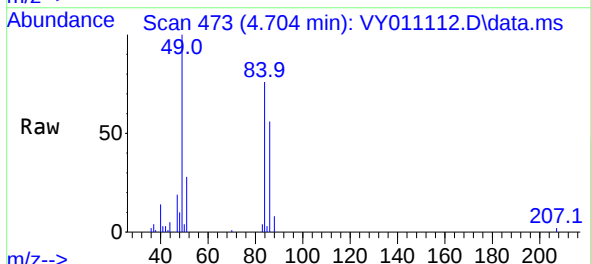
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

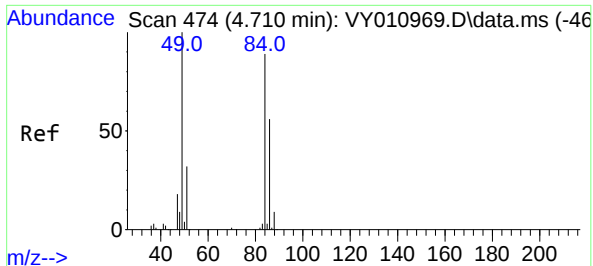
Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 26.0 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.231 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

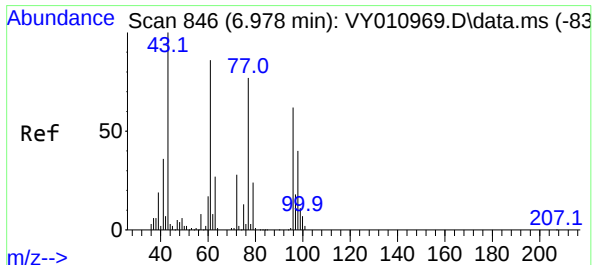
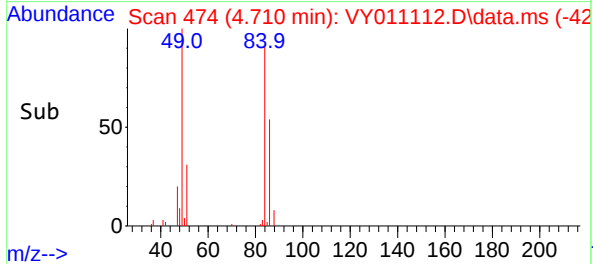
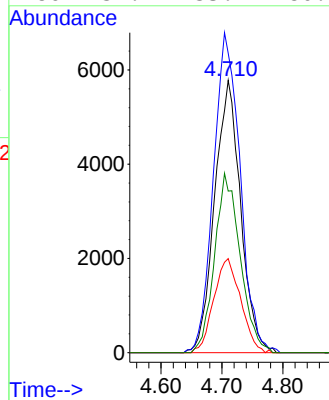
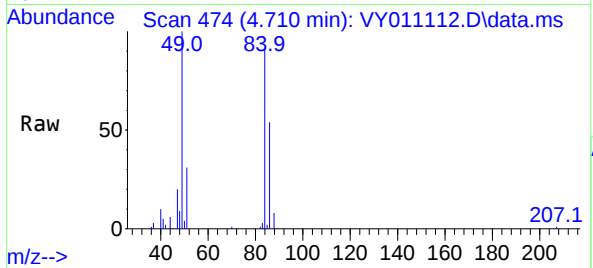




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

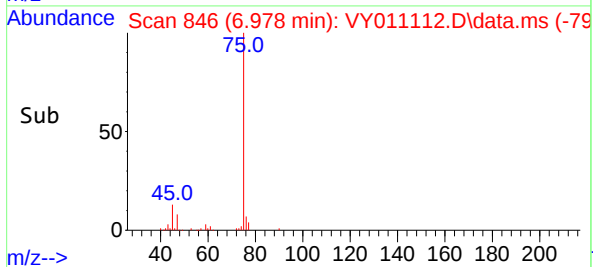
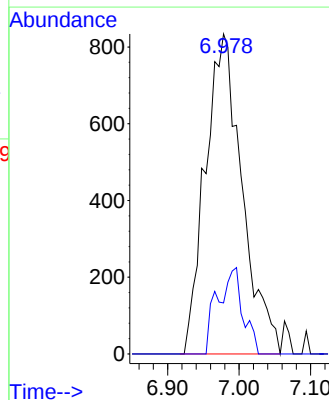
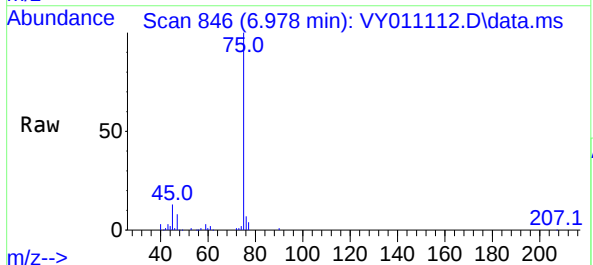
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

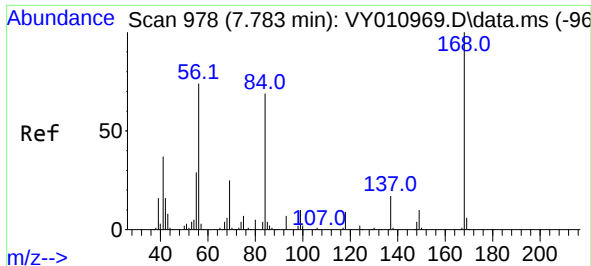
Tgt Ion: 84 Resp: 17163
Ion Ratio Lower Upper
84 100
49 110.0 114.4 171.6#
51 34.5 35.3 52.9#
86 59.4 53.7 80.5



#25
2-Butanone
Concen: 2.490 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
72 15.9 17.7 26.5#

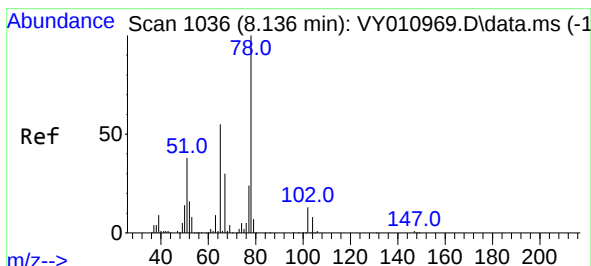
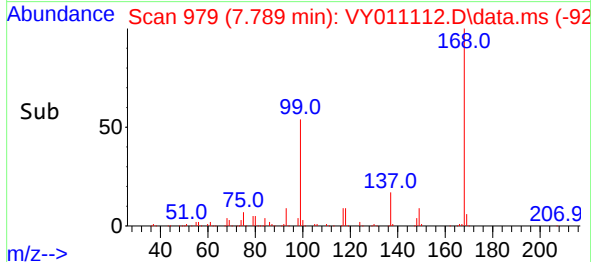
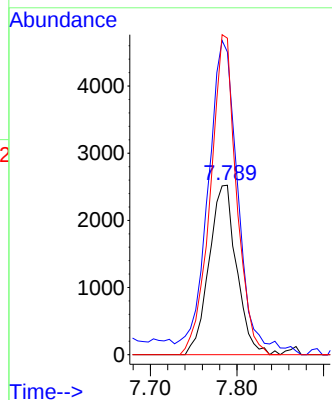
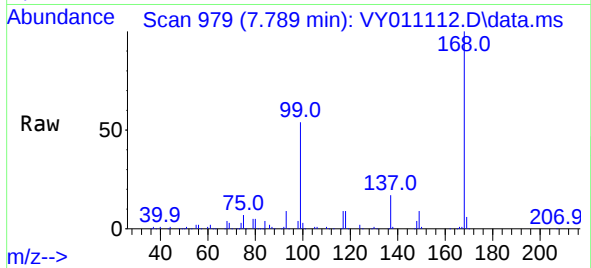




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

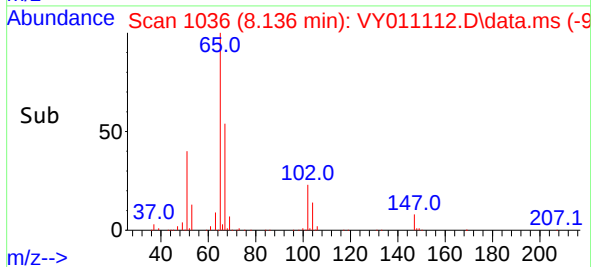
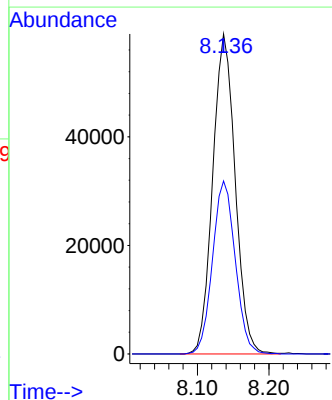
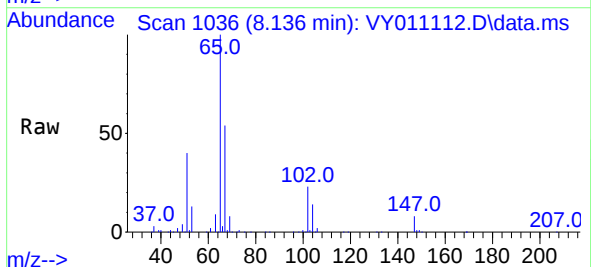
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

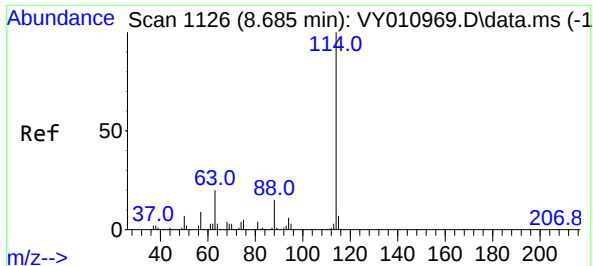
Tgt Ion: 56 Resp: 5575
Ion Ratio Lower Upper
56 100
69 174.7 26.7 40.1#
84 186.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 47.376 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 65 Resp: 128755
Ion Ratio Lower Upper
65 100
67 54.6 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: VY011112.D

Acq: 26 Oct 2022 13:42

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

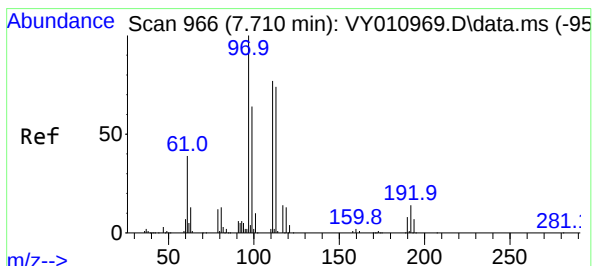
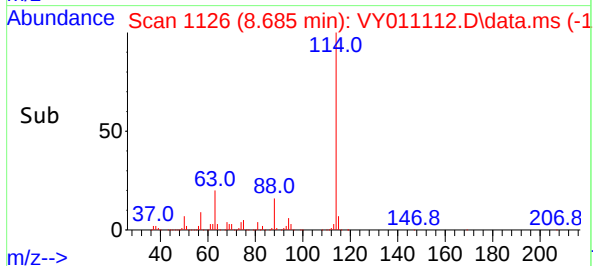
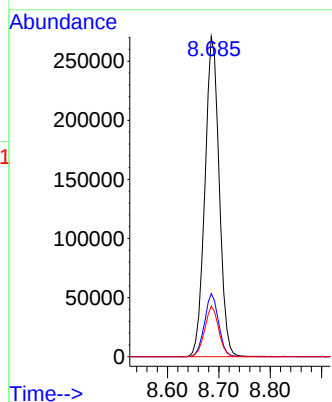
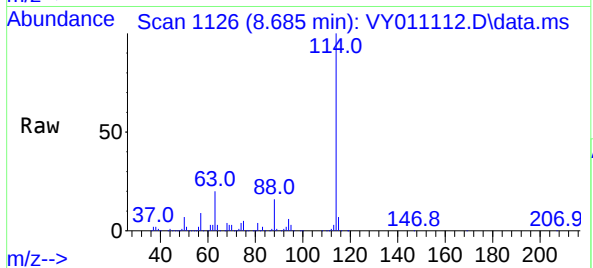
Tgt Ion:114 Resp: 521950

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.563 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011112.D

Acq: 26 Oct 2022 13:42

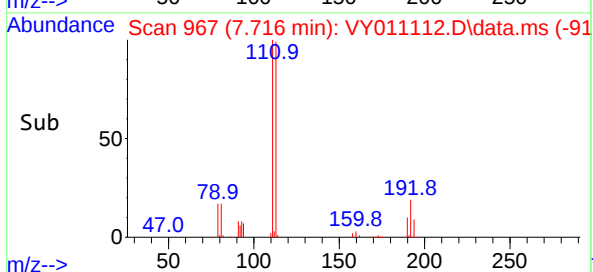
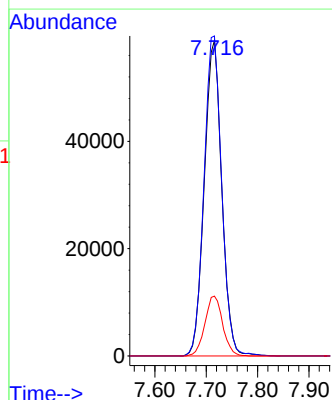
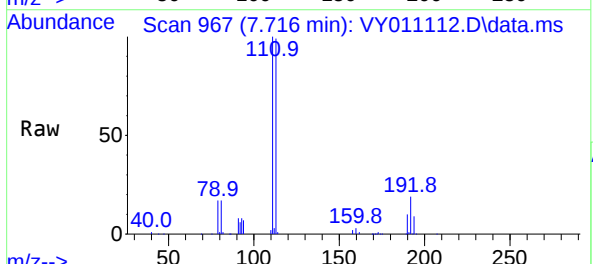
Tgt Ion:113 Resp: 138691

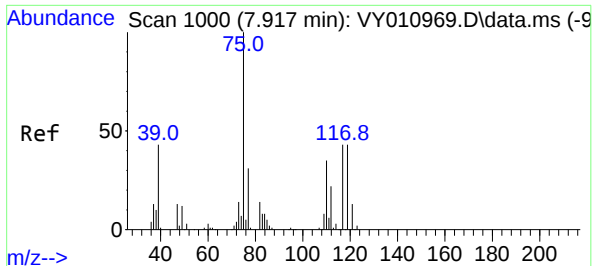
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011112.D

Acq: 26 Oct 2022 13:42

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

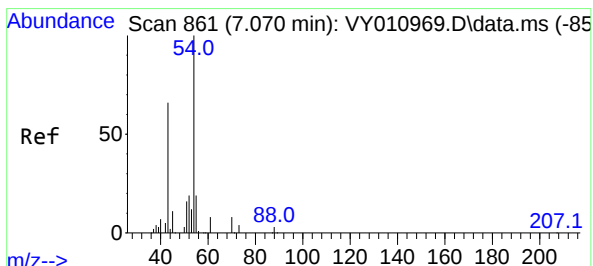
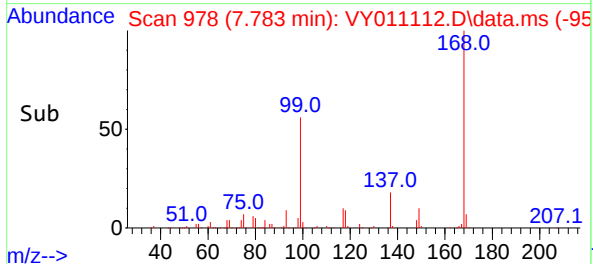
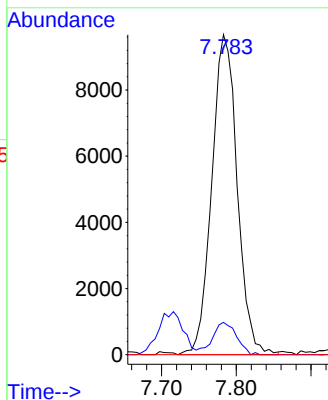
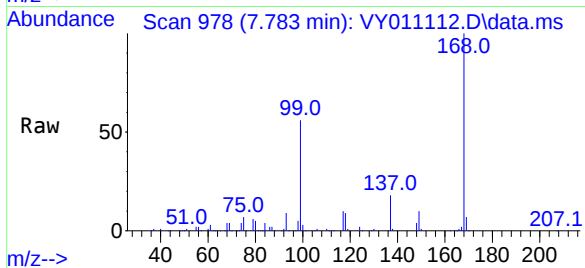
Tgt Ion: 75 Resp: 22899

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.108 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011112.D

Acq: 26 Oct 2022 13:42

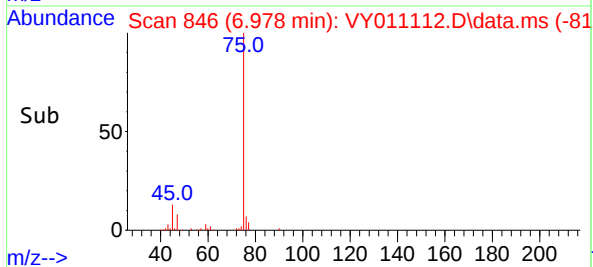
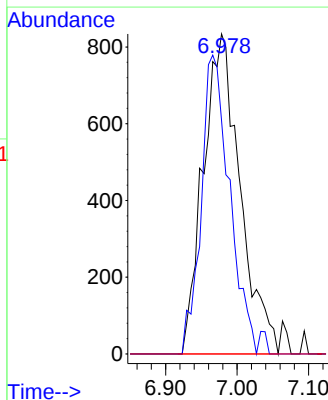
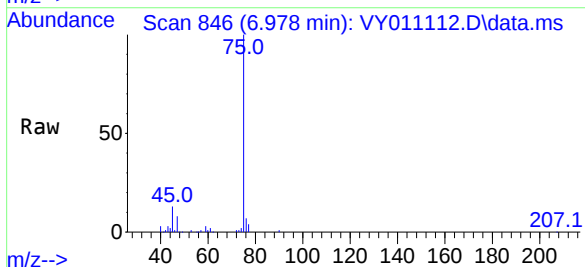
Tgt Ion: 43 Resp: 2980

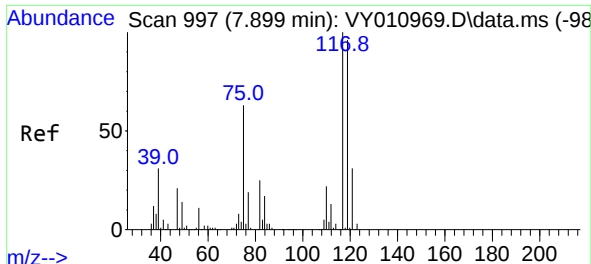
Ion Ratio Lower Upper

43 100

61 72.0 9.7 14.5#

70 0.0 7.1 10.7#

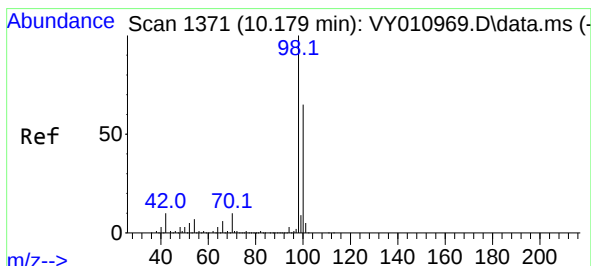
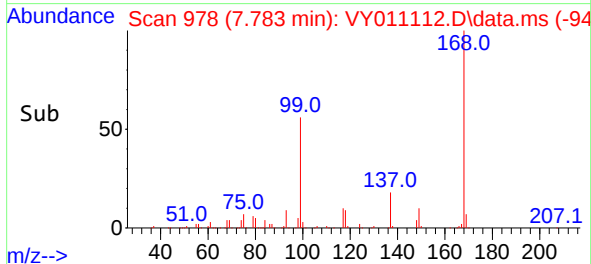
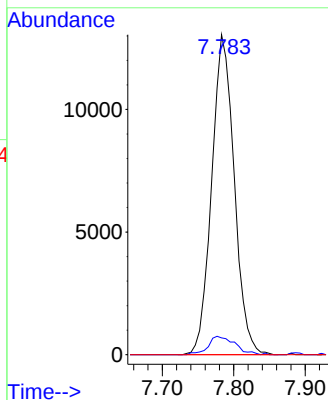
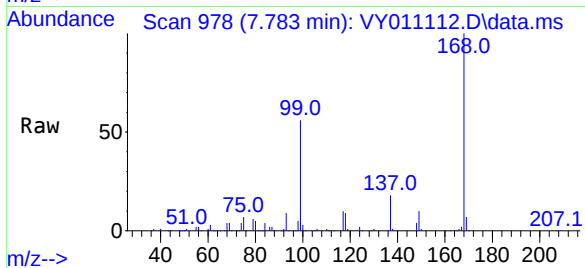




#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

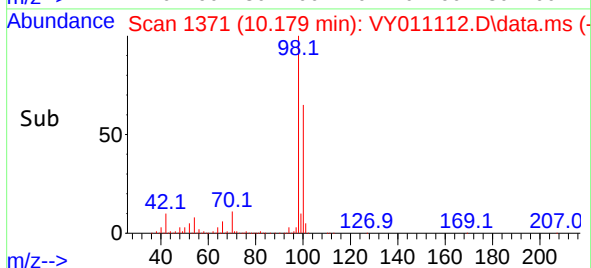
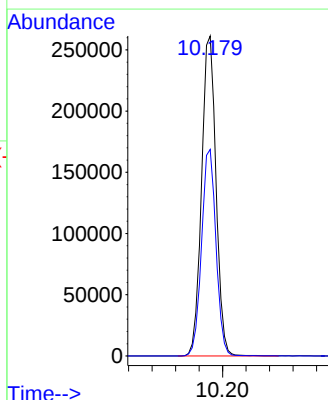
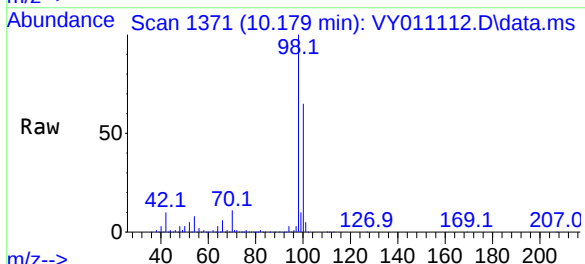
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

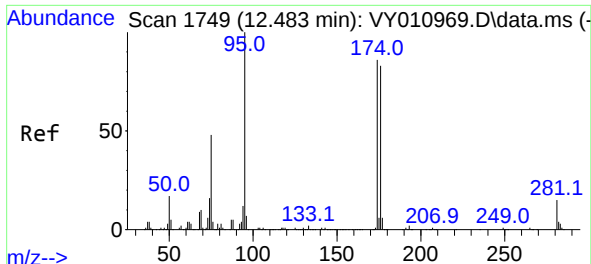
Tgt Ion:117 Resp: 28579
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.911 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 98 Resp: 445859
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

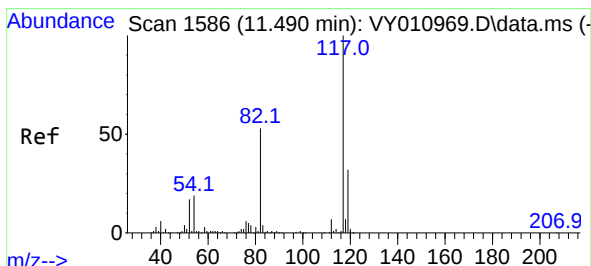
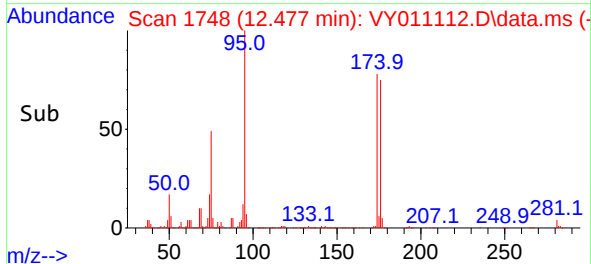
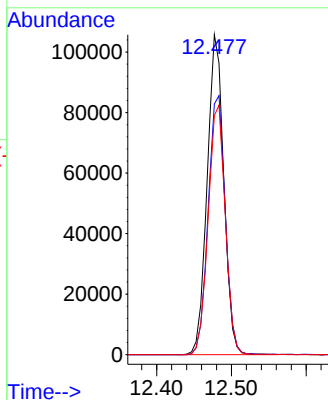
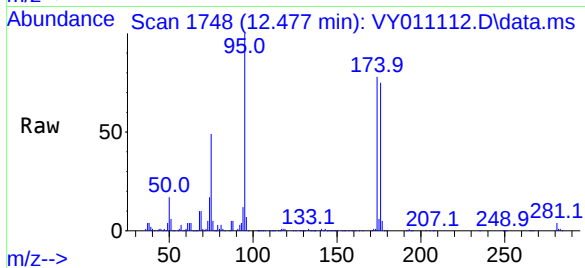




#62
4-Bromofluorobenzene
Concen: 41.796 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

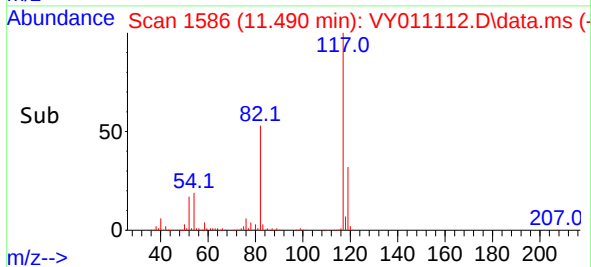
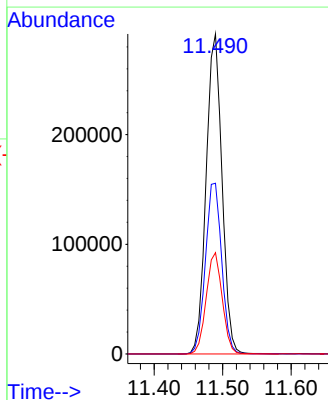
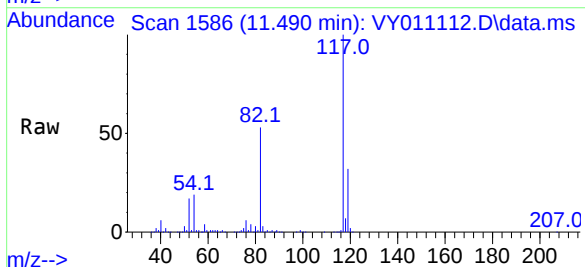
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

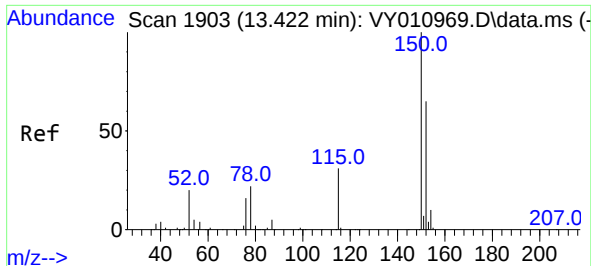
Tgt Ion: 95 Resp: 163300
Ion Ratio Lower Upper
95 100
174 83.2 0.0 177.0
176 80.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011112.D
Acq: 26 Oct 2022 13:42

Tgt Ion: 117 Resp: 470678
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.7 25.4 38.0

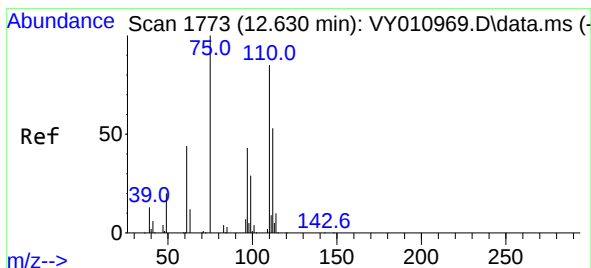
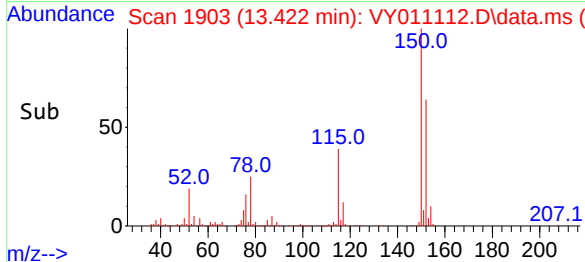
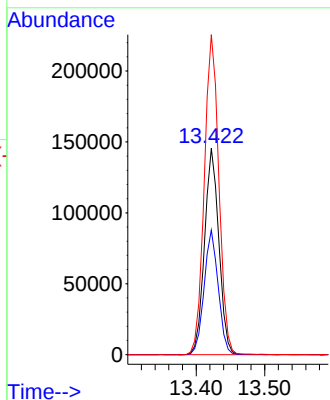
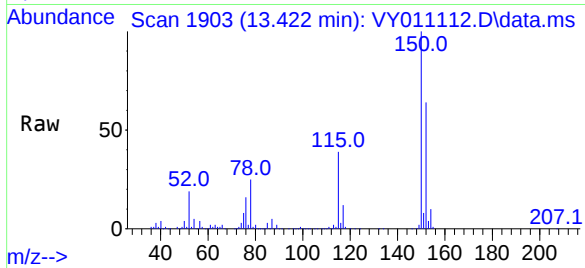




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011112.D
 Acq: 26 Oct 2022 13:42

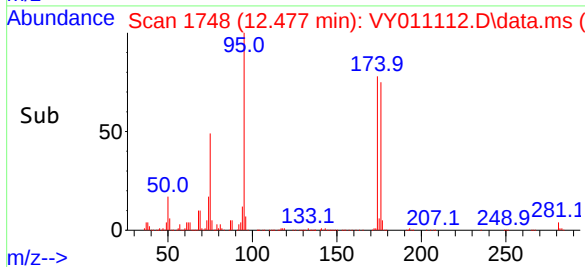
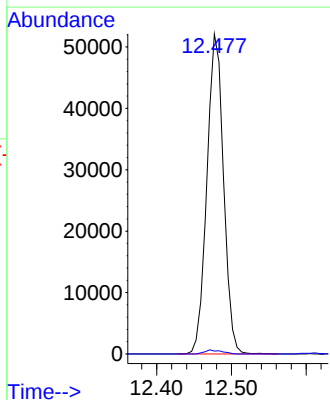
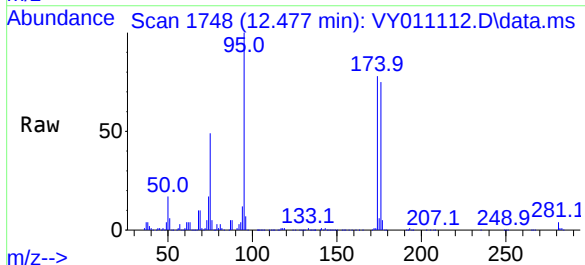
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

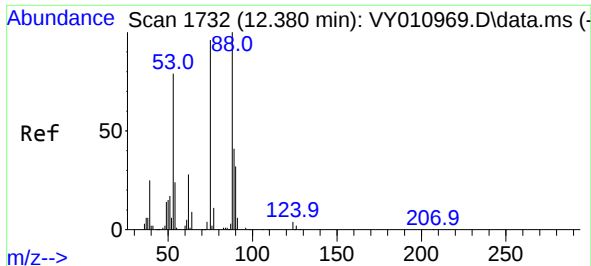
Tgt Ion:152 Resp: 212453
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.2 84.7
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 33.388 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011112.D
 Acq: 26 Oct 2022 13:42

Tgt Ion: 75 Resp: 80532
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.808 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011112.D
 Acq: 26 Oct 2022 13:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Tgt Ion: 75 Resp: 80532
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

