

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102722\
 Data File : VY011136.D
 Acq On : 27 Oct 2022 14:11
 Operator : KP/MD
 Sample : N5281-08RE
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-8

Quant Time: Oct 28 00:46:46 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	304178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	532756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	480412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223025	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144349	51.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.040%
35) Dibromofluoromethane	7.716	113	156454	52.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.600%
50) Toluene-d8	10.179	98	491799	44.211	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.420%
62) 4-Bromofluorobenzene	12.477	95	187836	47.516	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.040%

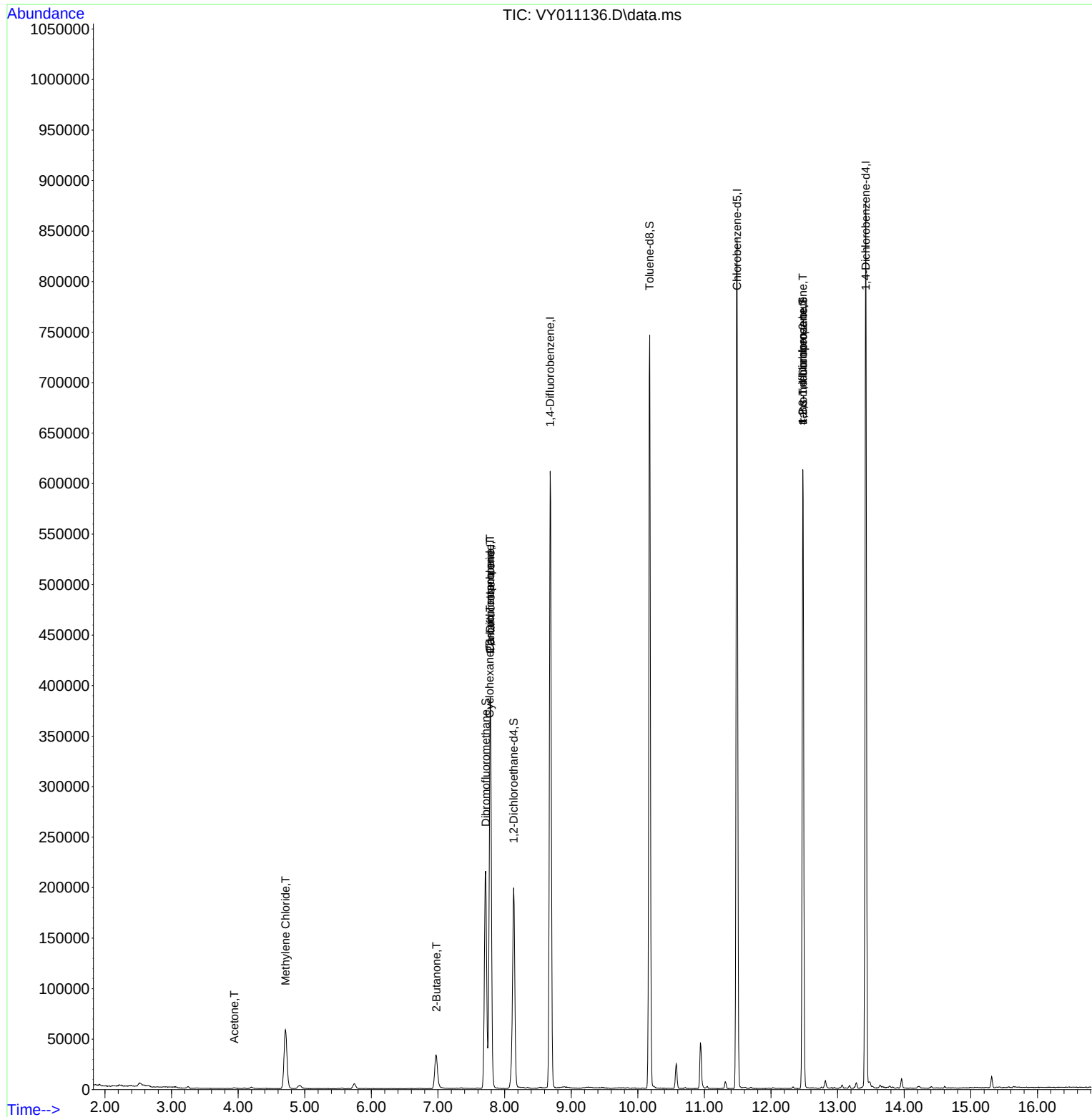
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.923	59	3692	Below Cal	#	79
16) Acetone	3.942	43	1502	1.846	ug/l #	71
18) Methyl Acetate	4.686	43	71	Below Cal	#	56
20) Methylene Chloride	4.710	84	47118	7.978	ug/l #	80
25) 2-Butanone	6.978	43	2732	2.214	ug/l	98
31) Cyclohexane	7.777	56	5611	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	23259	4.690	ug/l #	51
38) Carbon Tetrachloride	7.783	117	29945	5.849	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	94183	37.196	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	94183	79.999	ug/l #	7

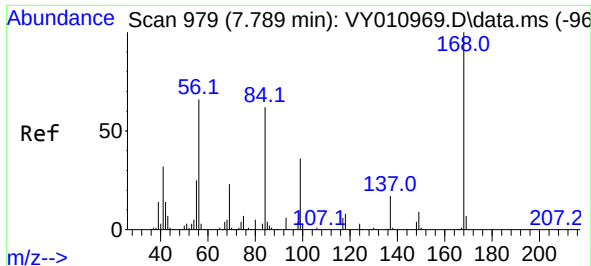
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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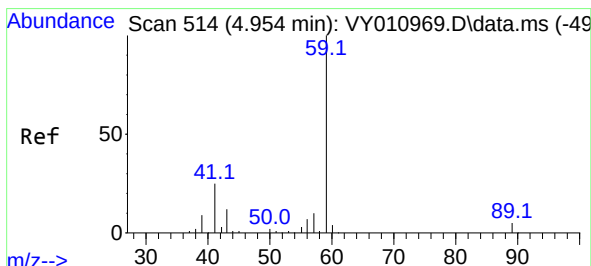
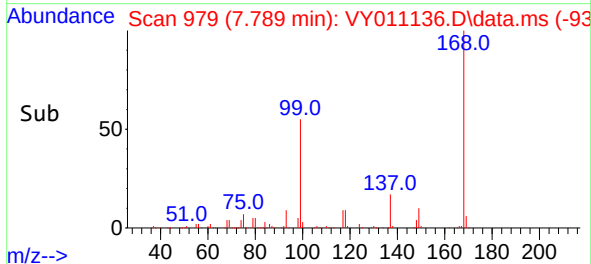
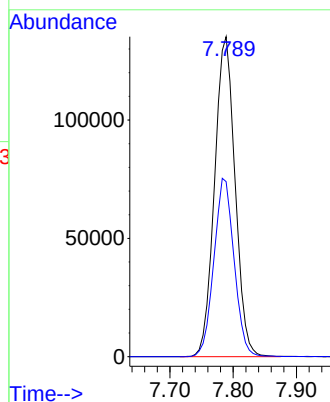
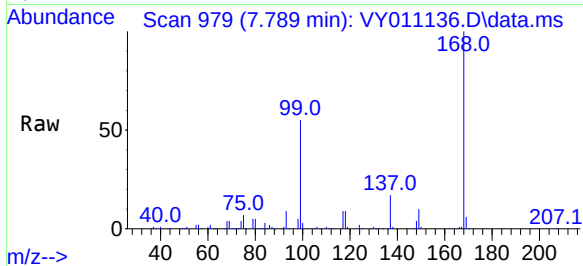




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

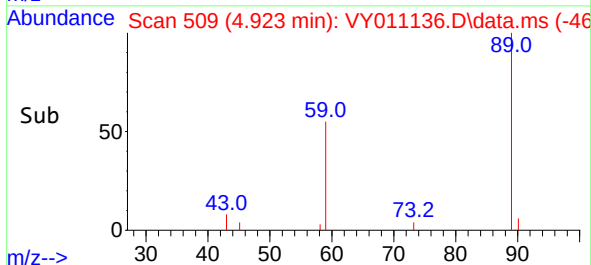
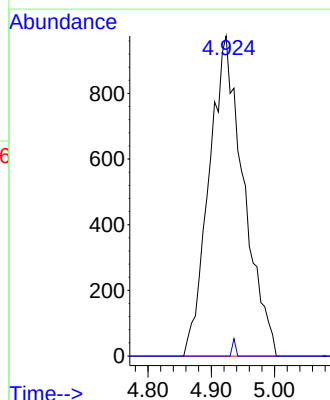
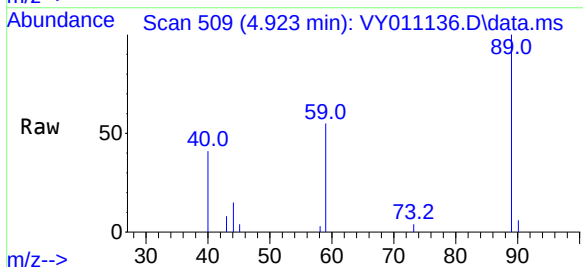
Instrument :
MSVOA_Y
ClientSampleId :
SB-8

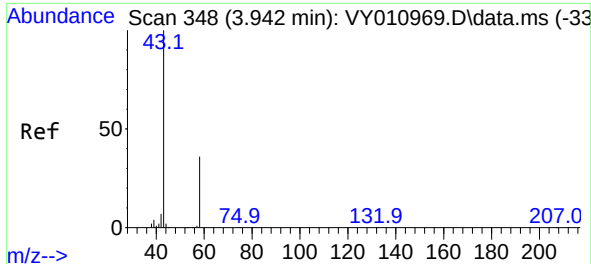
Tgt Ion:168 Resp: 304178
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion: 59 Resp: 3692
Ion Ratio Lower Upper
59 100
57 0.5 6.4 9.6#





#16

Acetone

Concen: 1.846 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY011136.D

Acq: 27 Oct 2022 14:11

Instrument :

MSVOA_Y

ClientSampleId :

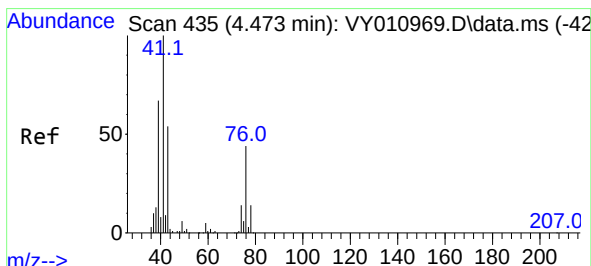
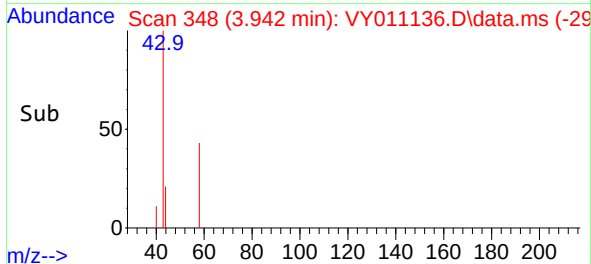
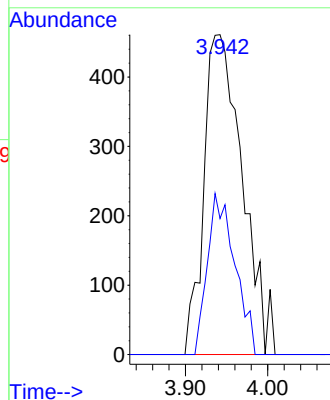
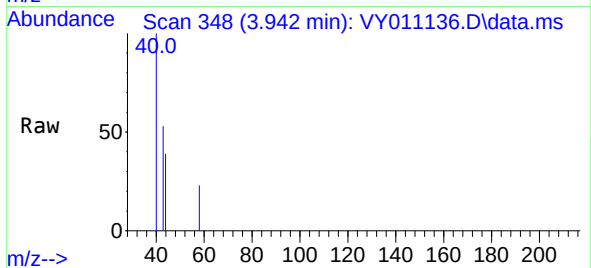
SB-8

Tgt Ion: 43 Resp: 1502

Ion Ratio Lower Upper

43 100

58 42.5 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.686 min Scan# 470

Delta R.T. 0.213 min

Lab File: VY011136.D

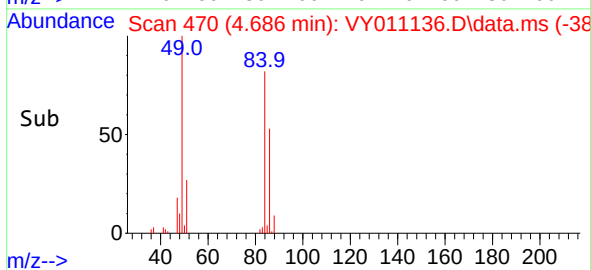
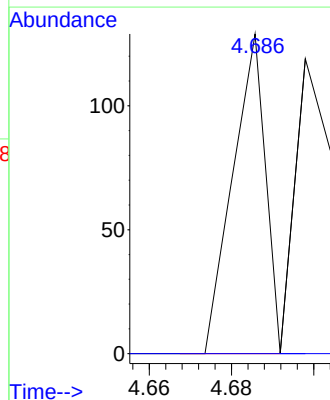
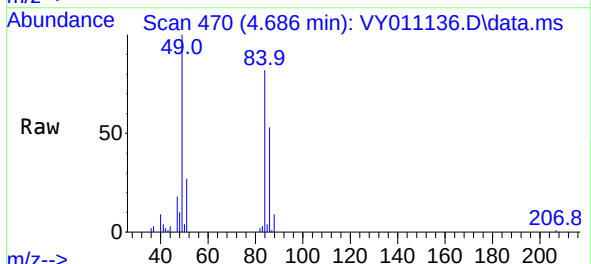
Acq: 27 Oct 2022 14:11

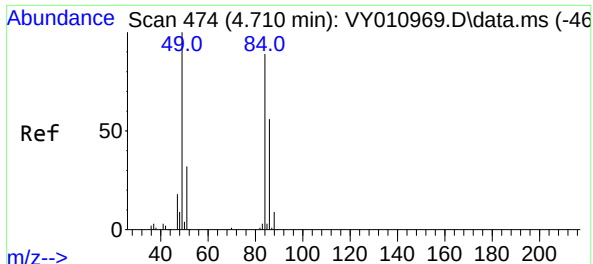
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

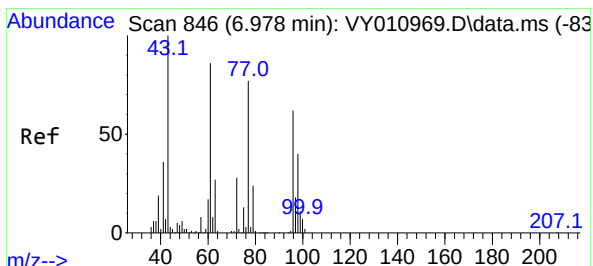
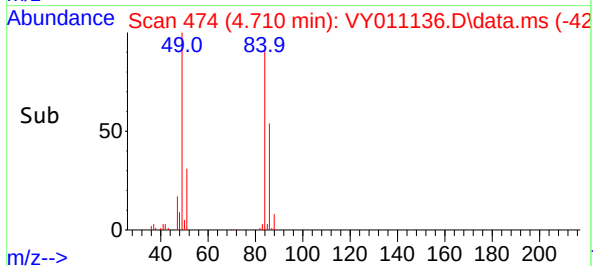
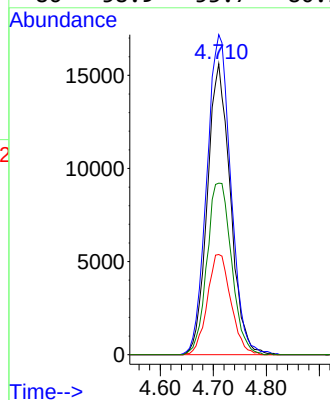
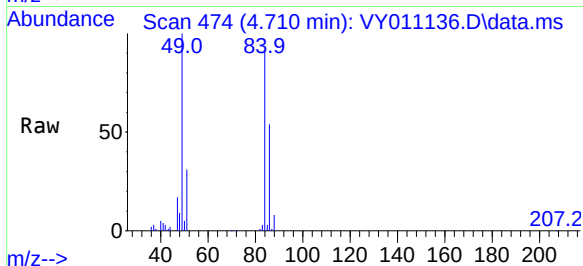




#20
Methylene Chloride
Concen: 7.978 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

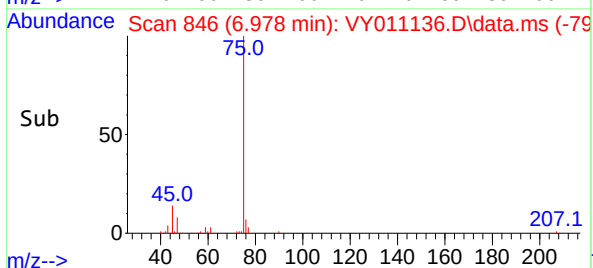
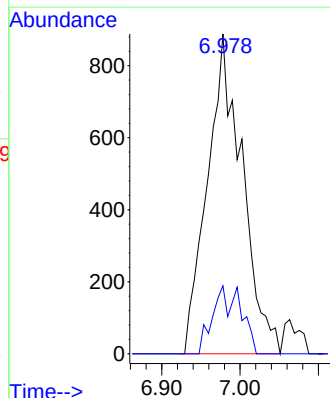
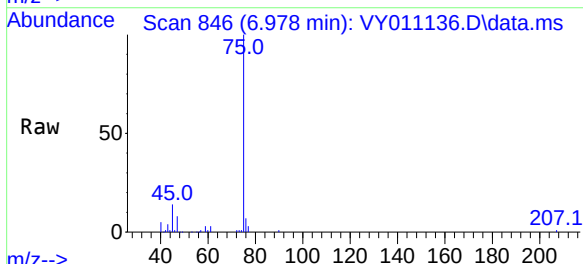
Instrument :
MSVOA_Y
ClientSampleId :
SB-8

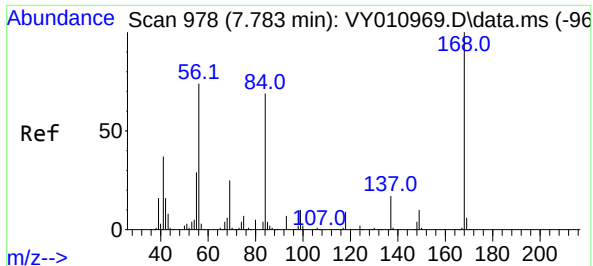
Tgt Ion: 84 Resp: 47118
Ion Ratio Lower Upper
84 100
49 110.0 114.4 171.6#
51 34.4 35.3 52.9#
86 58.9 53.7 80.5



#25
2-Butanone
Concen: 2.214 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5

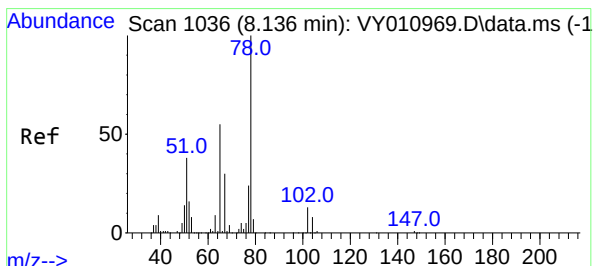
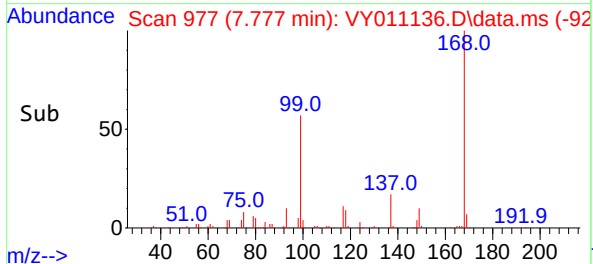
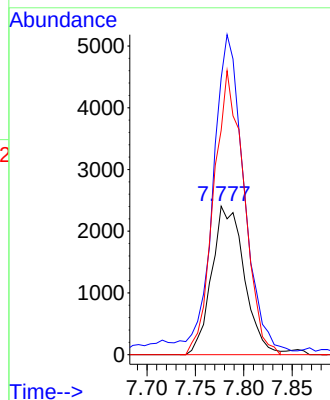
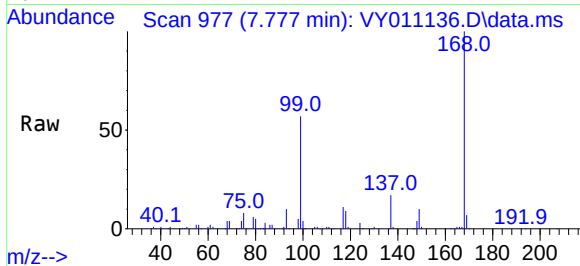




#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

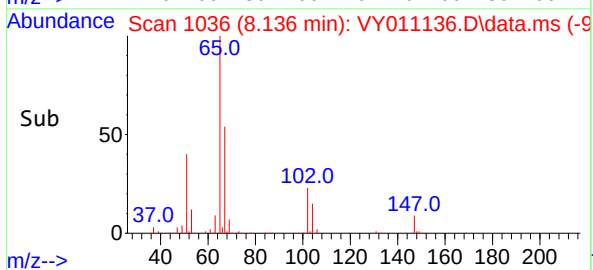
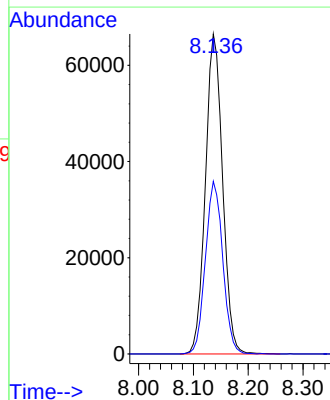
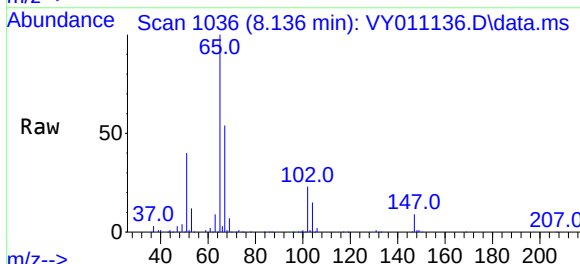
Instrument :
MSVOA_Y
ClientSampleId :
SB-8

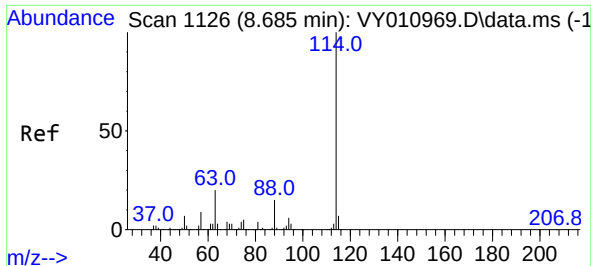
Tgt Ion: 56 Resp: 5611
Ion Ratio Lower Upper
56 100
69 180.6 26.7 40.1#
84 151.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.518 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion: 65 Resp: 144349
Ion Ratio Lower Upper
65 100
67 54.6 0.0 99.4

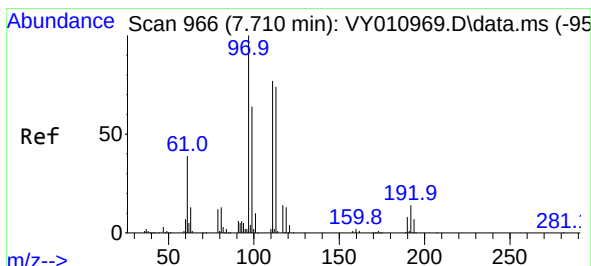
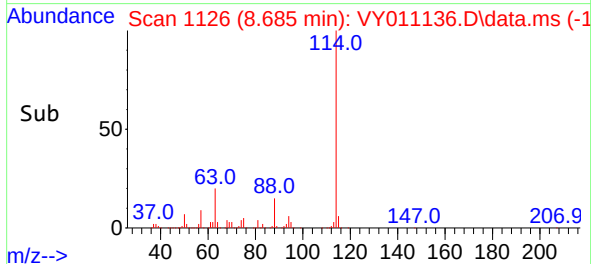
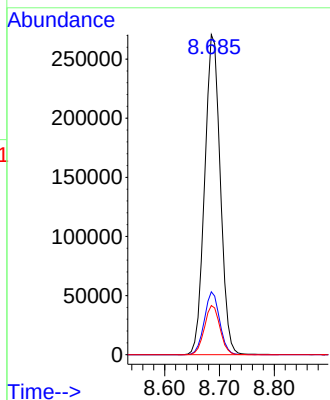
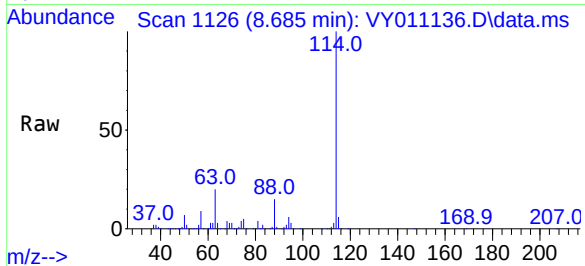




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

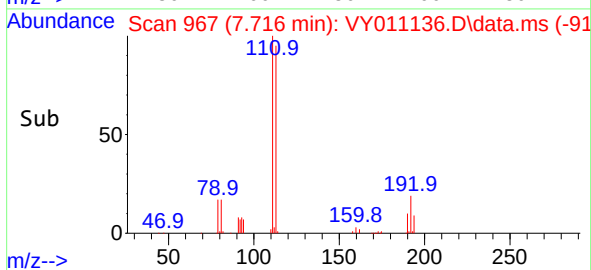
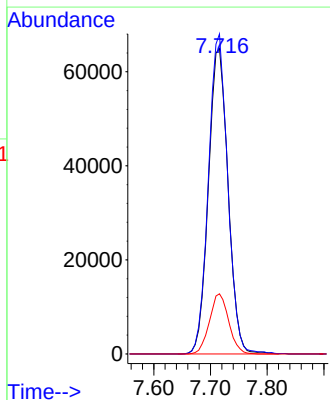
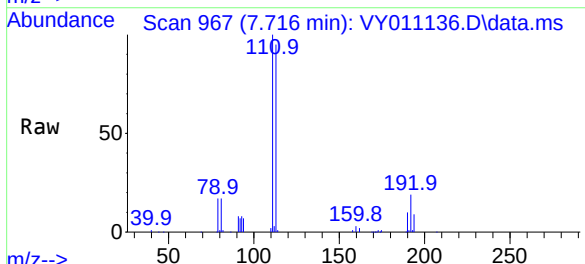
Instrument :
MSVOA_Y
ClientSampleId :
SB-8

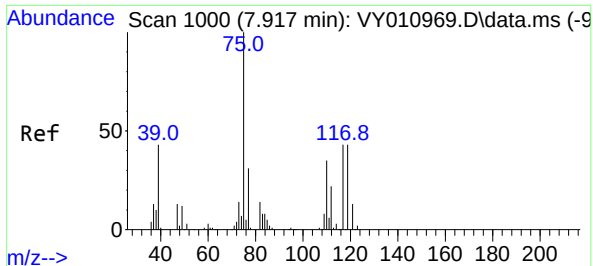
Tgt Ion:114 Resp: 532756
Ion Ratio Lower Upper
114 100
63 19.6 0.0 43.2
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.804 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion:113 Resp: 156454
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.690 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011136.D

Acq: 27 Oct 2022 14:11

Instrument :

MSVOA_Y

ClientSampleId :

SB-8

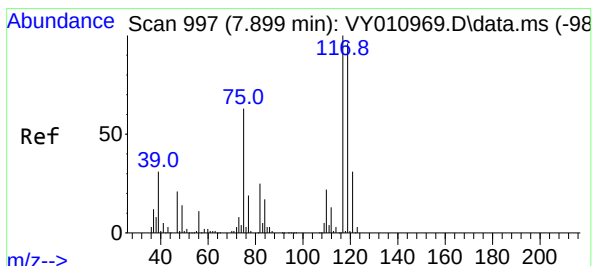
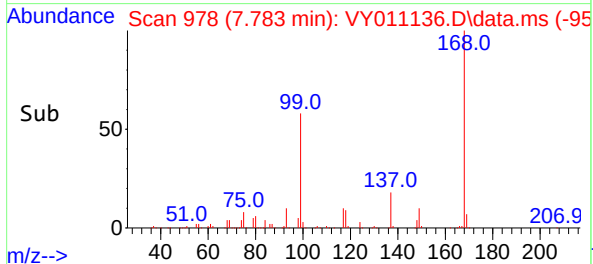
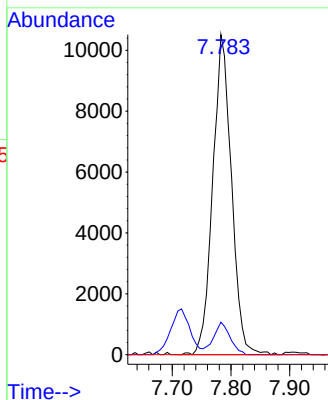
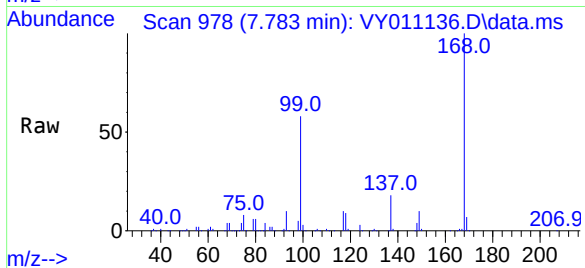
Tgt Ion: 75 Resp: 23259

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY011136.D

Acq: 27 Oct 2022 14:11

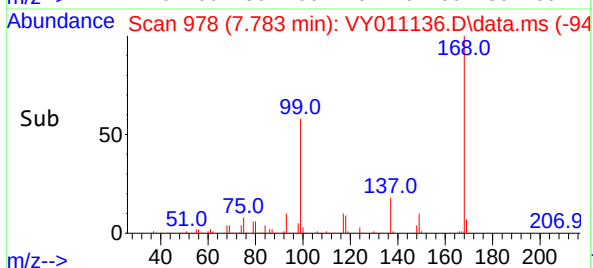
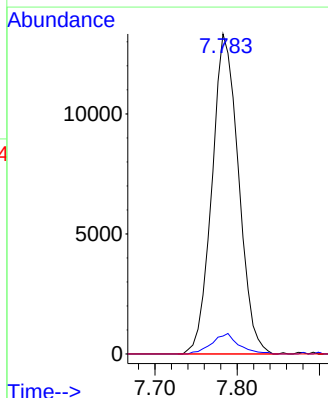
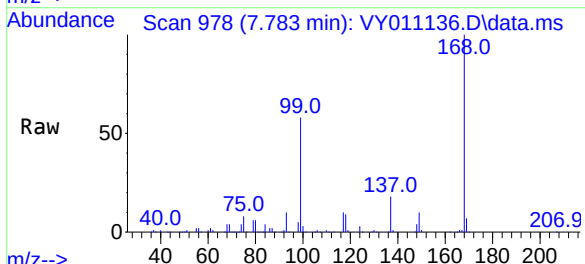
Tgt Ion: 117 Resp: 29945

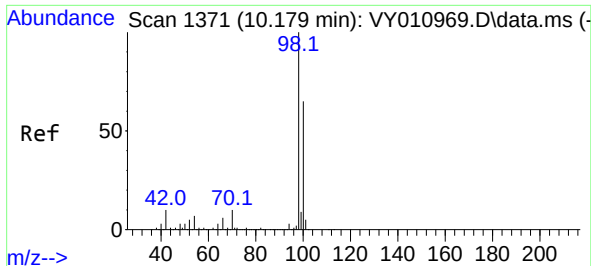
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

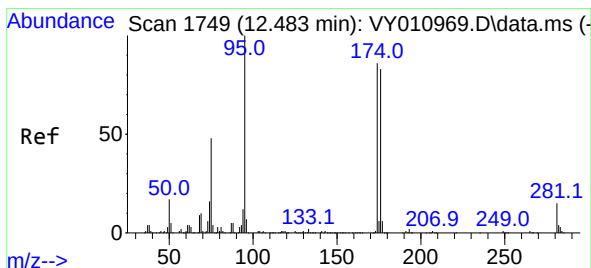
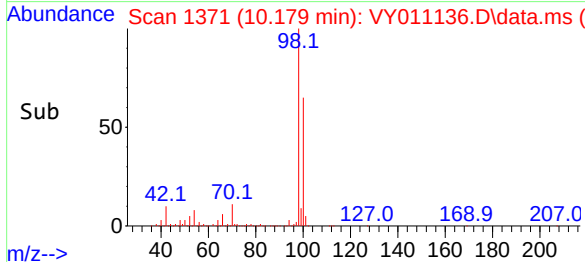
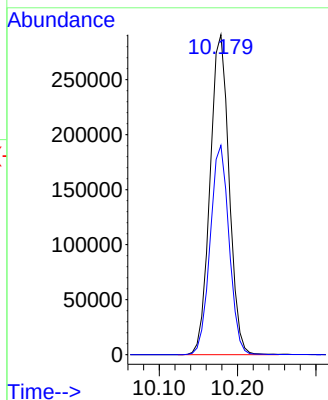
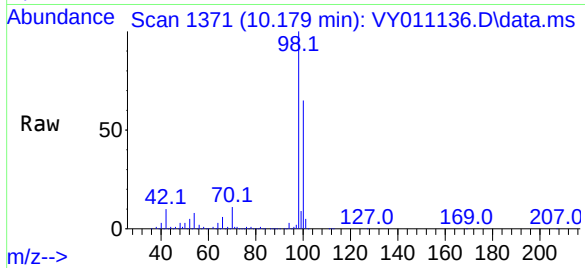




#50
Toluene-d8
Concen: 44.211 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

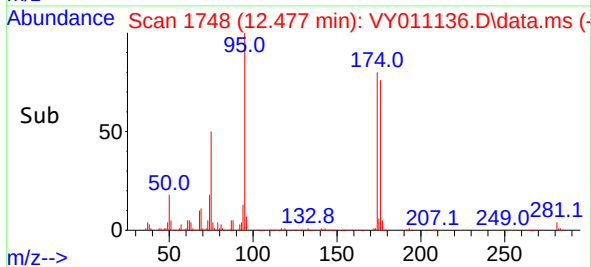
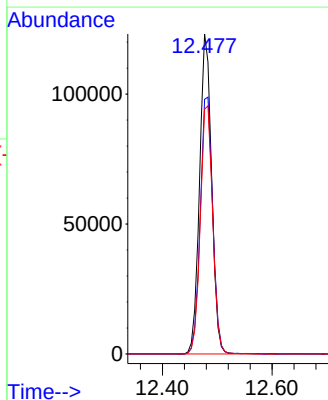
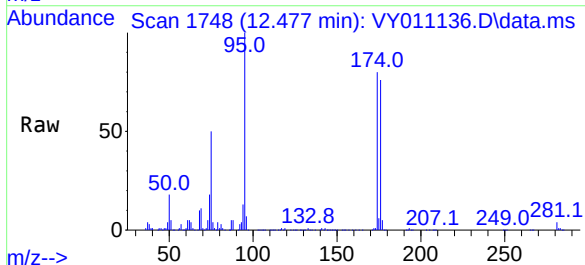
Instrument :
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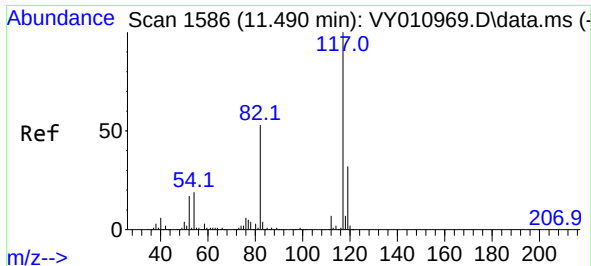
Tgt Ion: 98 Resp: 491799
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.516 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion: 95 Resp: 187836
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.6 0.0 175.8

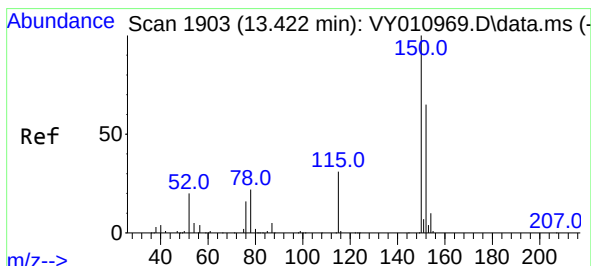
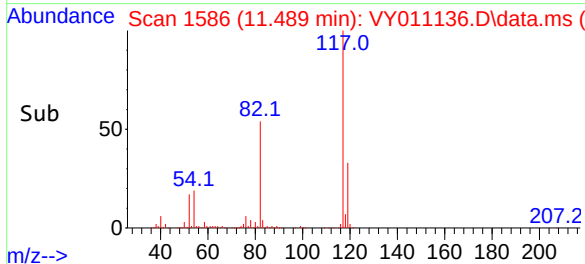
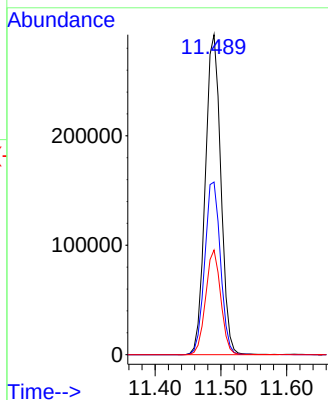
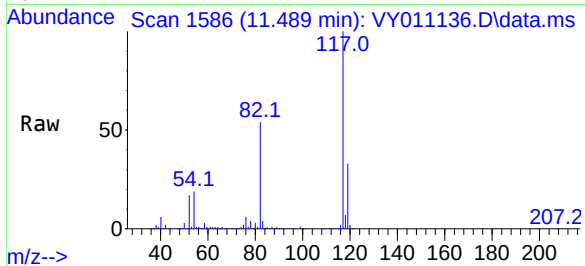




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

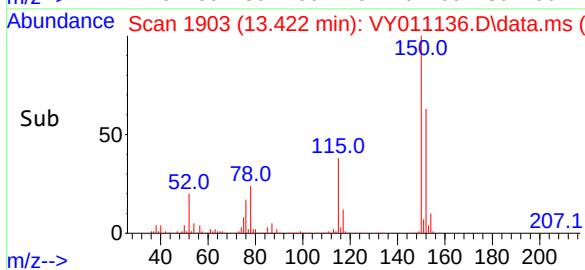
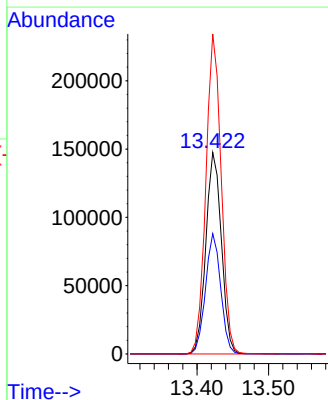
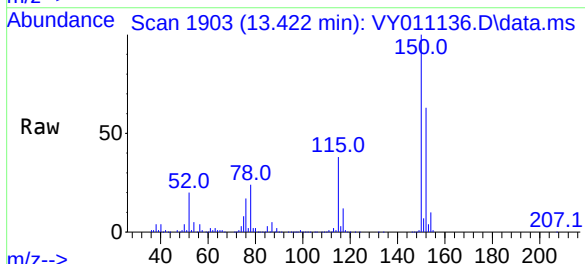
Instrument :
MSVOA_Y
ClientSampleId :
SB-8

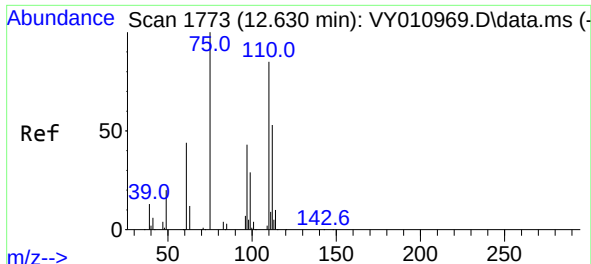
Tgt Ion:117 Resp: 480412
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion:152 Resp: 223025
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.2 0.0 347.6

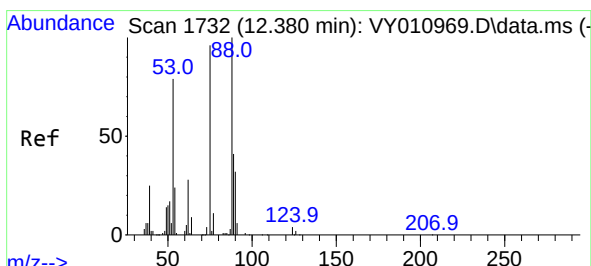
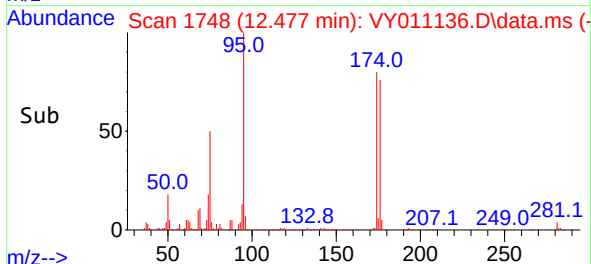
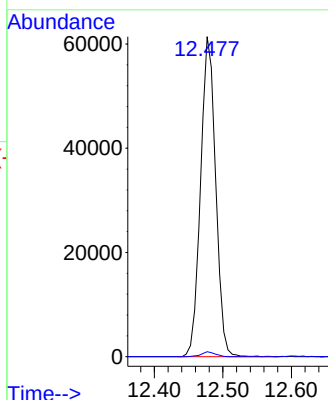
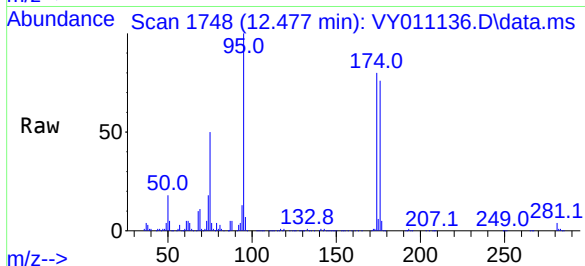




#76
1,2,3-Trichloropropane
Concen: 37.196 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Instrument :
MSVOA_Y
ClientSampleId :
SB-8

Tgt Ion: 75 Resp: 94183
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.999 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011136.D
Acq: 27 Oct 2022 14:11

Tgt Ion: 75 Resp: 94183
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

