

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011239.D
 Acq On : 01 Nov 2022 23:15
 Operator : KP/MD
 Sample : N5395-07
 Misc : 0.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-3-103122

Quant Time: Nov 02 01:45:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

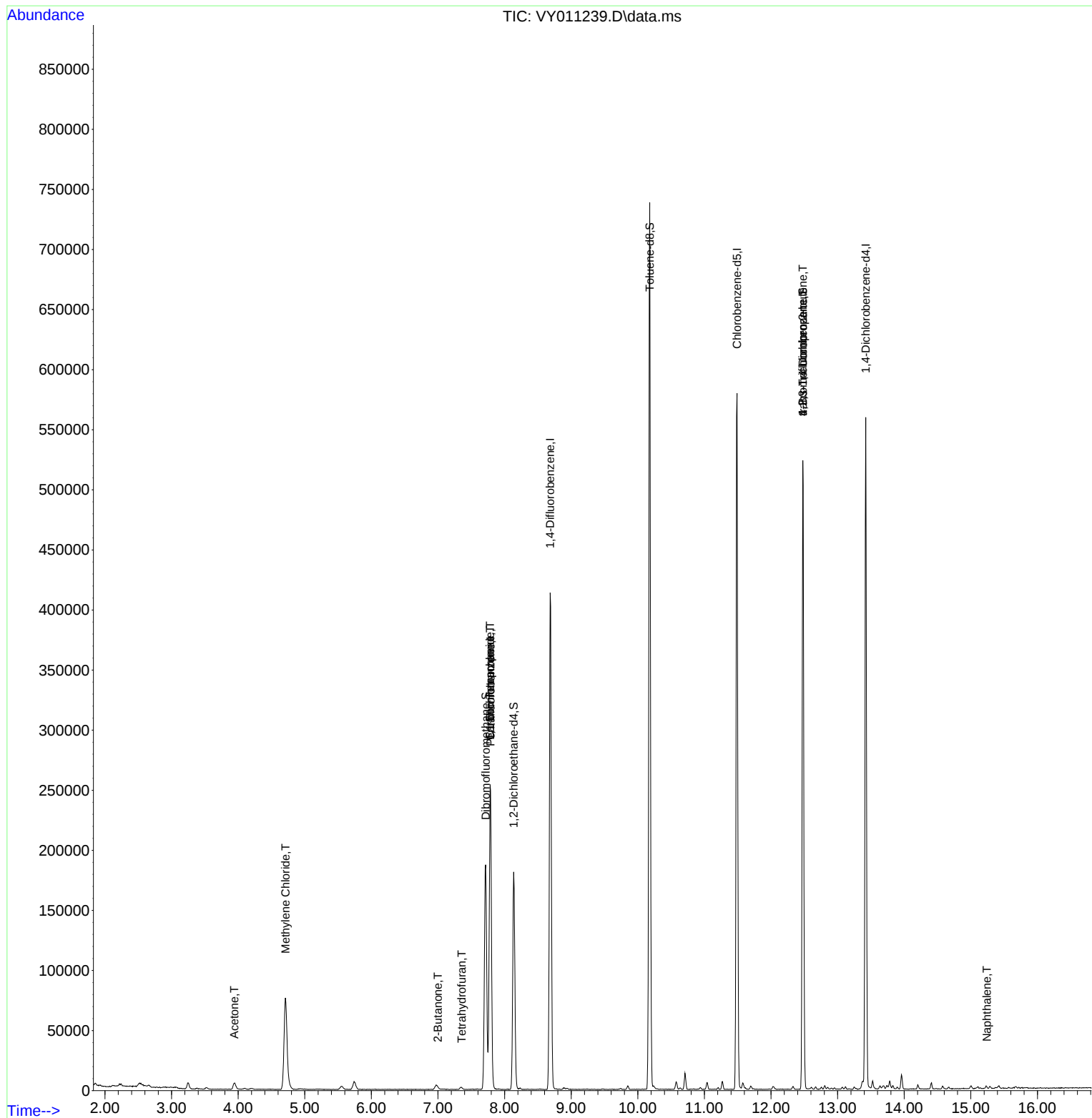
Internal Standards						
1) Pentafluorobenzene	7.789	168	203103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	333862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	138969	63.976	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.960%	
35) Dibromofluoromethane	7.716	113	138094	58.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.620%	
50) Toluene-d8	10.179	98	486927	52.952	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.900%	
62) 4-Bromofluorobenzene	12.477	95	160276	50.206	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	92	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	1108	Below Cal	#	77
16) Acetone	3.942	43	9696	14.787	ug/l #	75
20) Methylene Chloride	4.710	84	61453	19.888	ug/l #	81
25) 2-Butanone	6.996	43	2228	2.415	ug/l #	76
29) Tetrahydrofuran	7.356	42	1378	2.566	ug/l #	85
36) 1,1-Dichloropropene	7.783	75	15328	3.963	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19954	4.973	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	79571	44.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79571	95.064	ug/l #	7
95) Naphthalene	15.239	128	2014	4.252	ug/l	97

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

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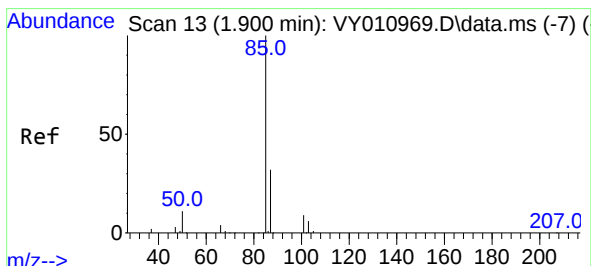
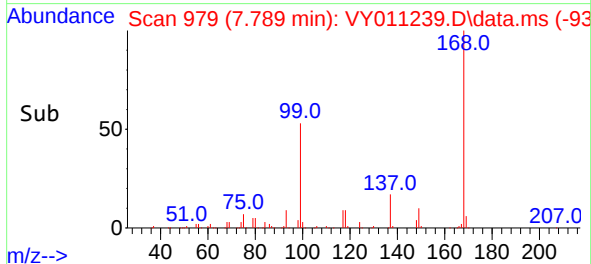
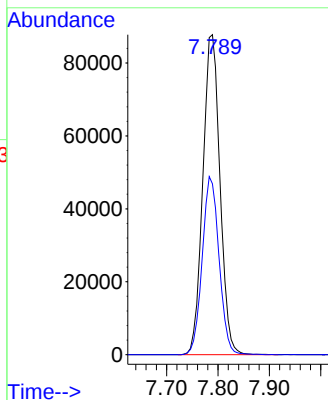
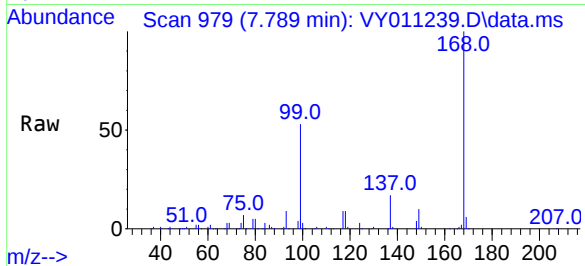




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

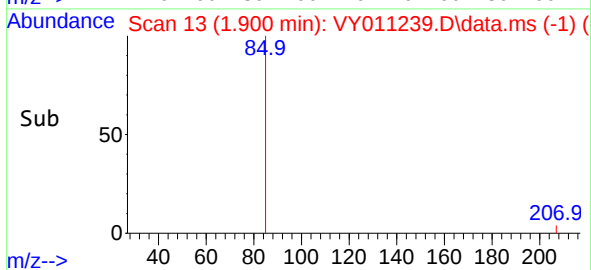
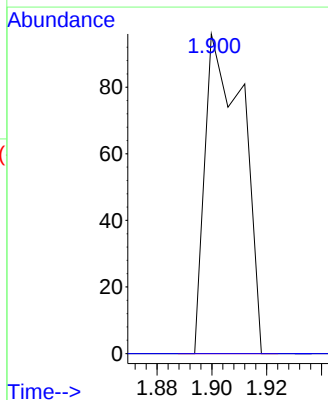
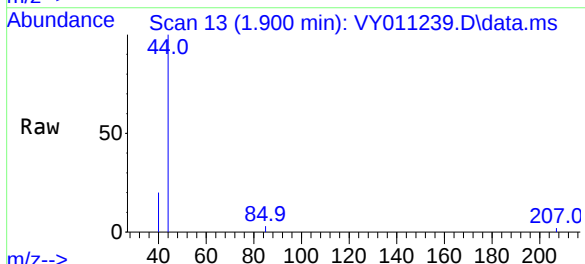
Instrument :
MSVOA_Y
ClientSampleId :
S-3-103122

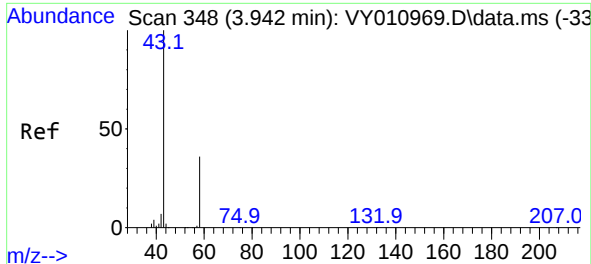
Tgt Ion:168 Resp: 203103
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Tgt Ion: 85 Resp: 92
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#16

Acetone

Concen: 14.787 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

Instrument :

MSVOA_Y

ClientSampleId :

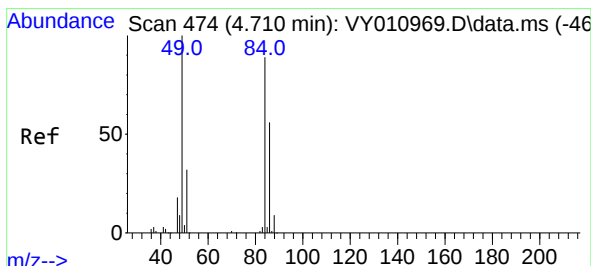
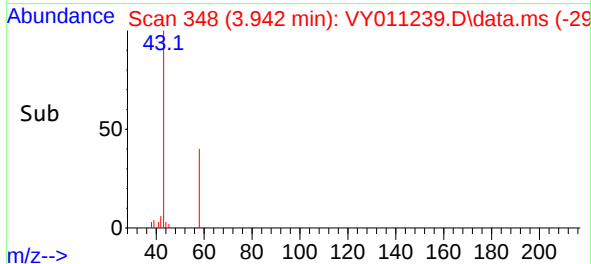
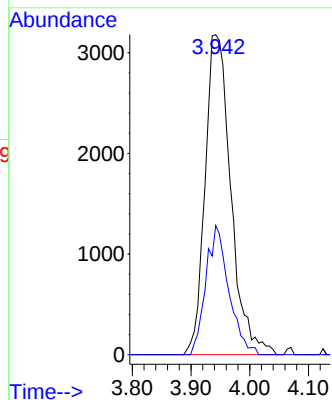
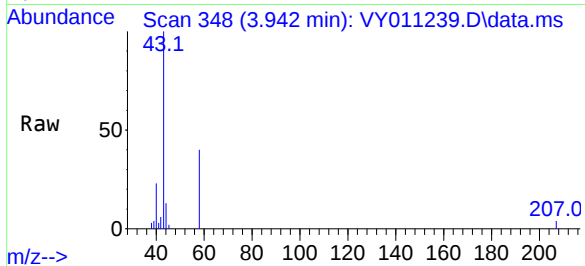
S-3-103122

Tgt Ion: 43 Resp: 9696

Ion Ratio Lower Upper

43 100

58 40.3 22.0 33.0#



#20

Methylene Chloride

Concen: 19.888 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

Tgt Ion: 84 Resp: 61453

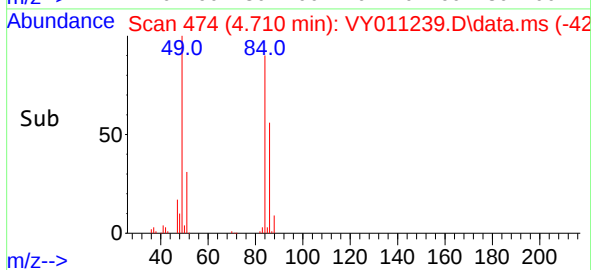
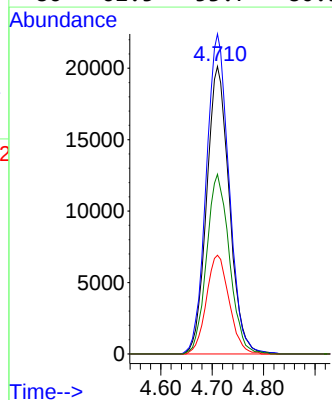
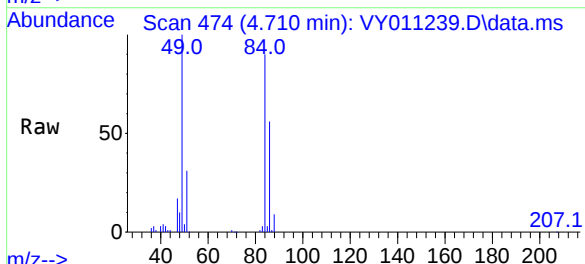
Ion Ratio Lower Upper

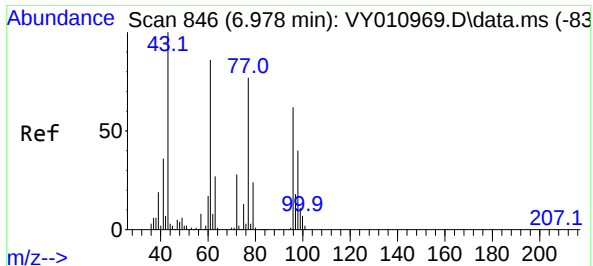
84 100

49 111.3 114.4 171.6#

51 34.4 35.3 52.9#

86 62.5 53.7 80.5





#25

2-Butanone

Concen: 2.415 ug/l

RT: 6.996 min Scan# 846

Delta R.T. 0.018 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

Instrument :

MSVOA_Y

ClientSampleId :

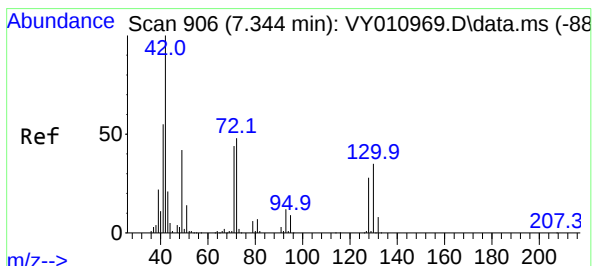
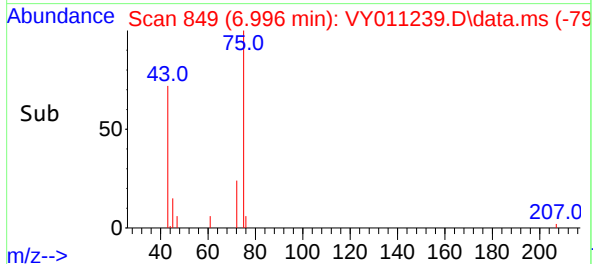
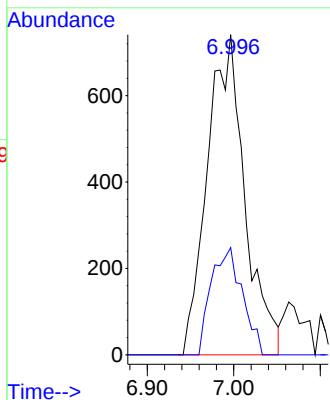
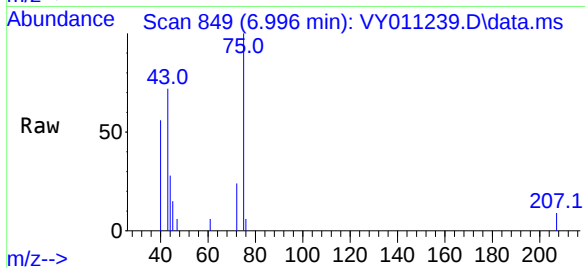
S-3-103122

Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

72 33.5 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.566 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

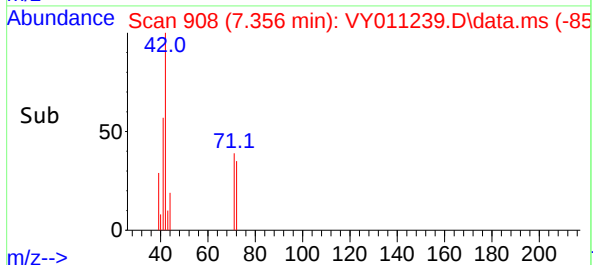
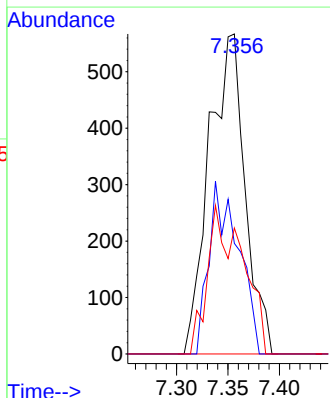
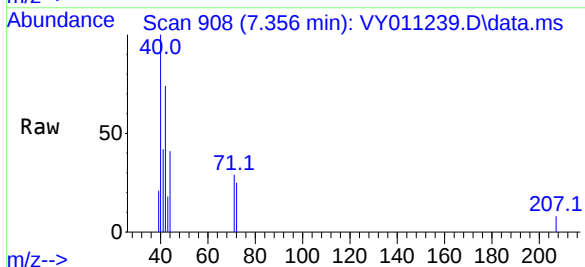
Tgt Ion: 42 Resp: 1378

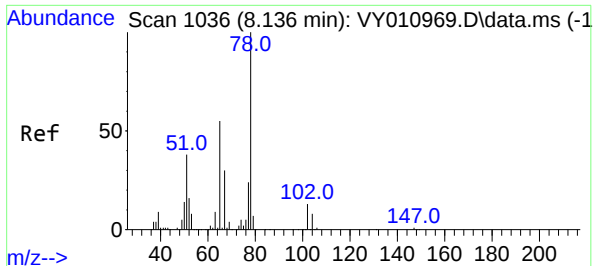
Ion Ratio Lower Upper

42 100

72 44.4 30.3 45.5

71 24.8 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 63.976 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

Instrument :

MSVOA_Y

ClientSampleId :

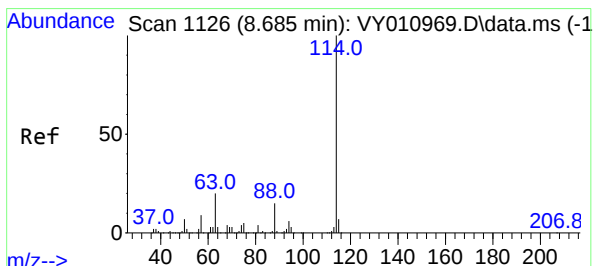
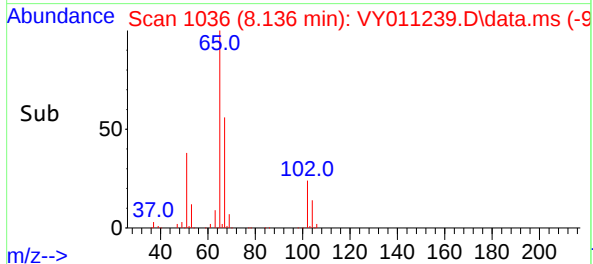
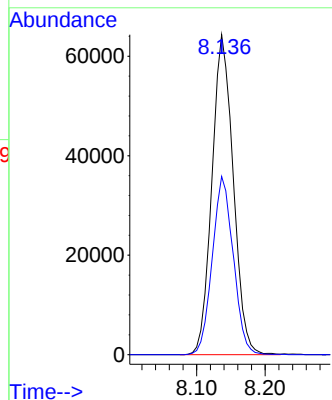
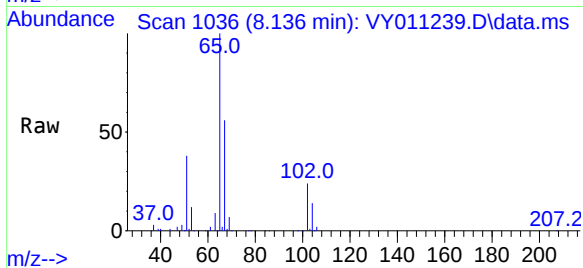
S-3-103122

Tgt Ion: 65 Resp: 138969

Ion Ratio Lower Upper

65 100

67 54.8 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: VY011239.D

Acq: 01 Nov 2022 23:15

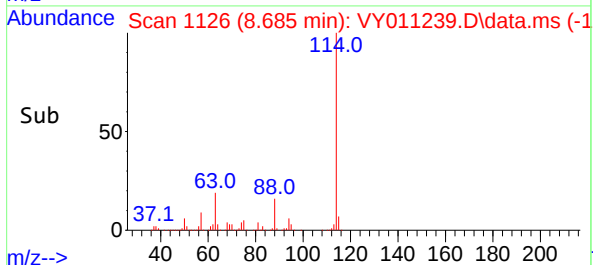
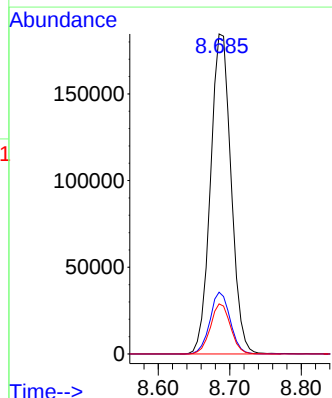
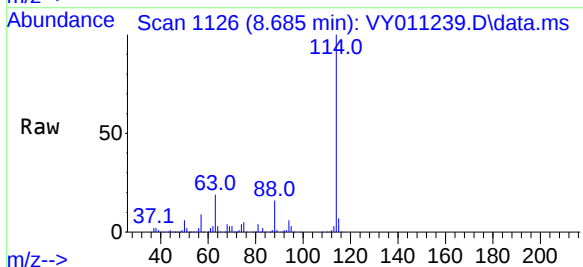
Tgt Ion: 114 Resp: 368632

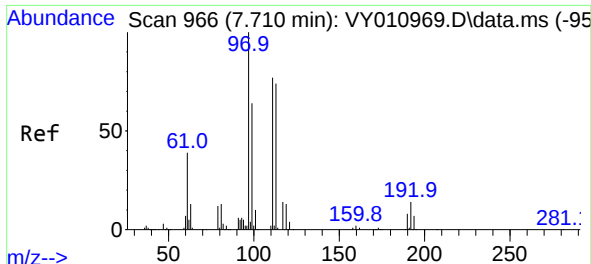
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 58.306 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

Instrument :

MSVOA_Y

ClientSampleId :

S-3-103122

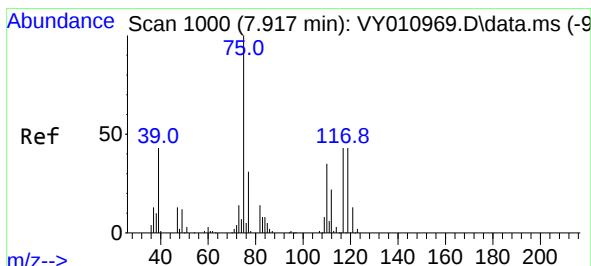
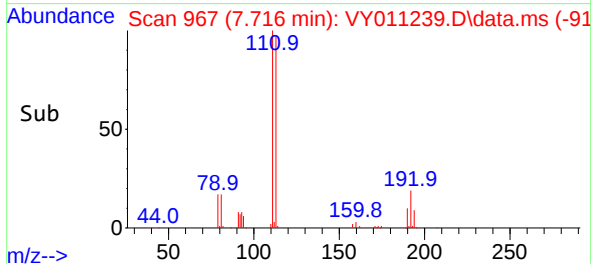
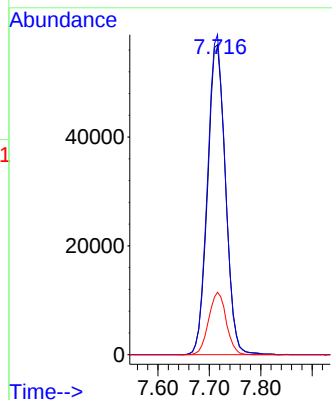
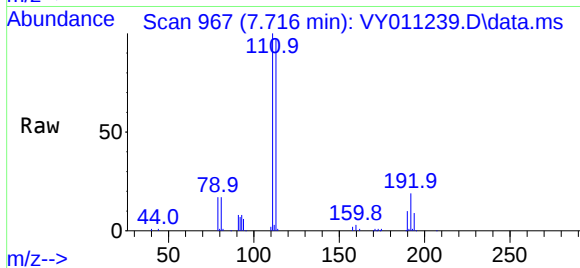
Tgt Ion:113 Resp: 138094

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 19.7 17.6 26.4



#36

1,1-Dichloropropene

Concen: 3.963 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY011239.D

Acq: 01 Nov 2022 23:15

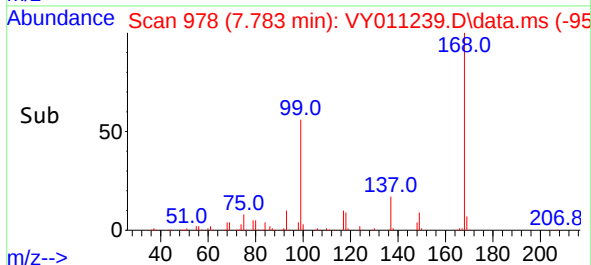
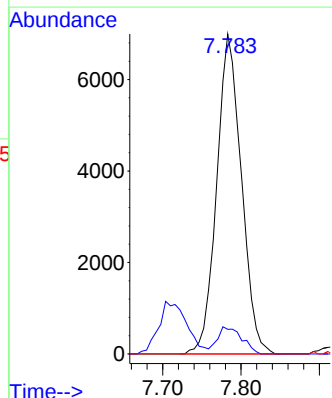
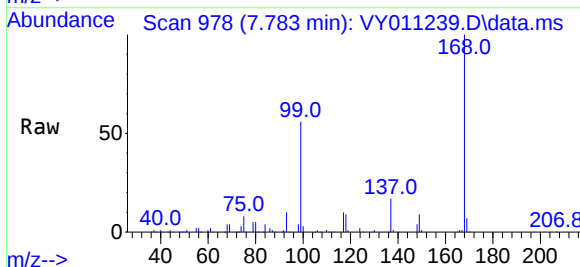
Tgt Ion: 75 Resp: 15328

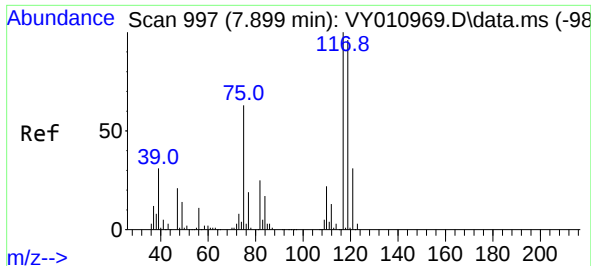
Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

77 0.0 24.4 36.6#

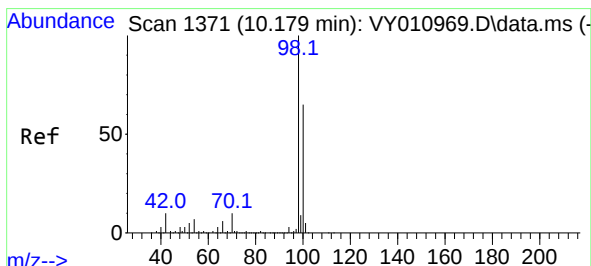
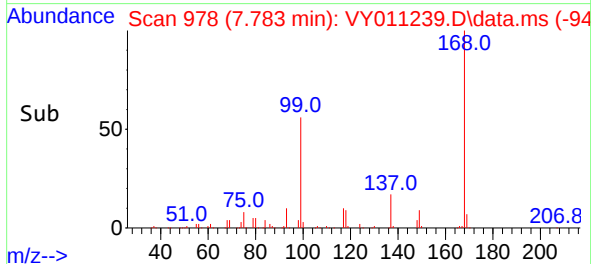
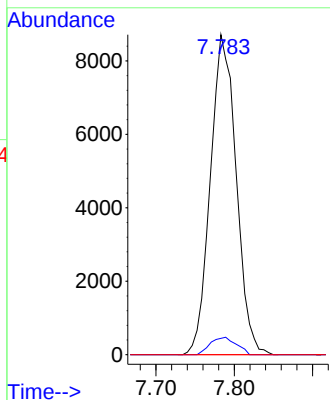
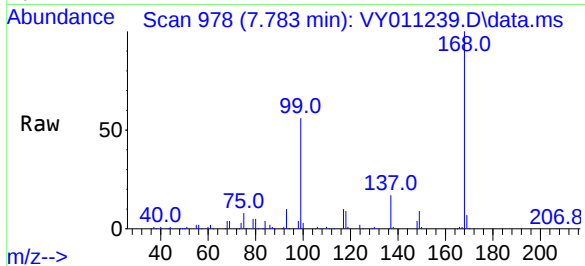




#38
Carbon Tetrachloride
Concen: 4.973 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

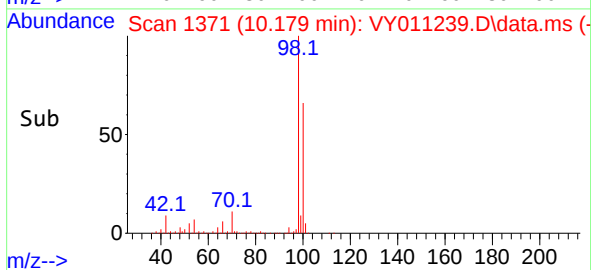
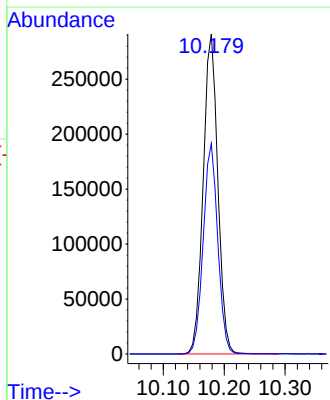
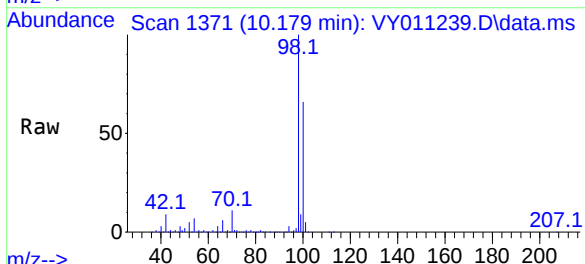
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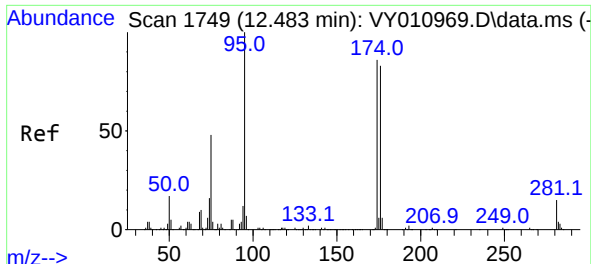
Tgt Ion:117 Resp: 19954
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.952 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Tgt Ion: 98 Resp: 486927
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

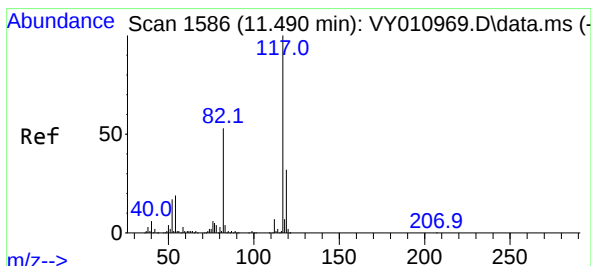
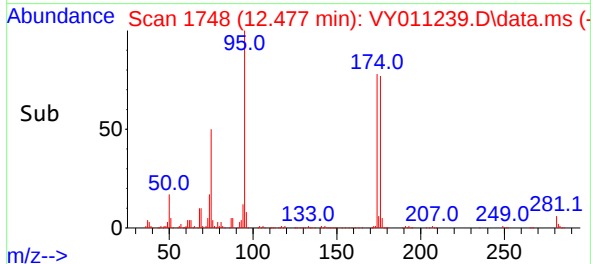
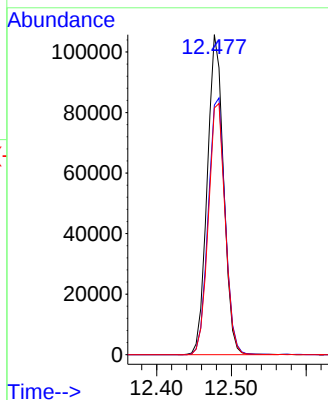
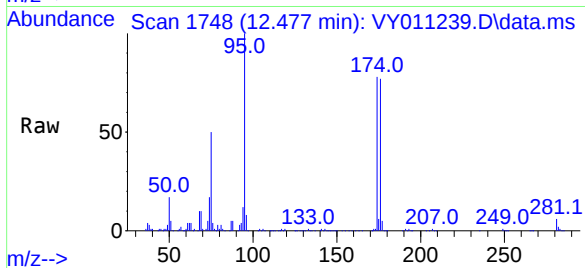




#62
4-Bromofluorobenzene
Concen: 50.206 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

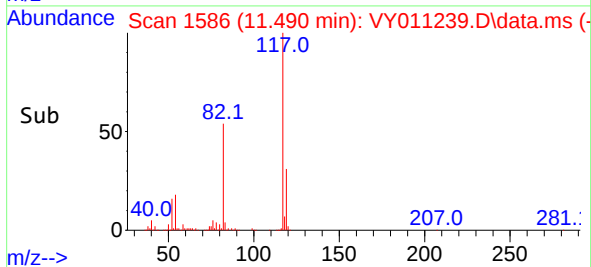
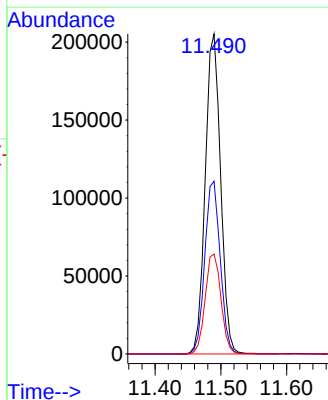
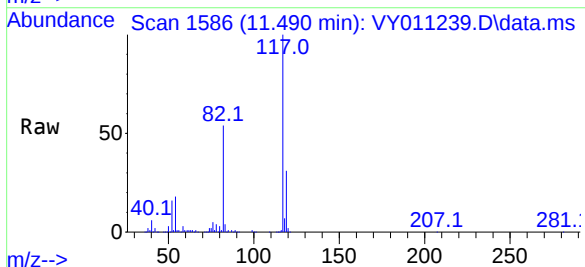
Instrument :
MSVOA_Y
ClientSampleId :
S-3-103122

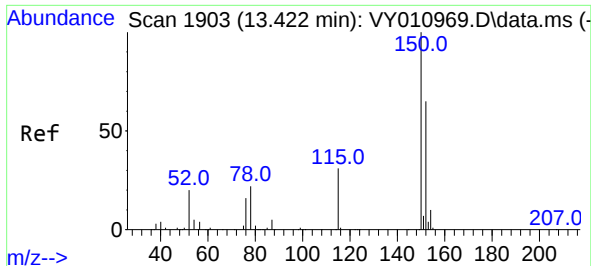
Tgt Ion: 95 Resp: 160276
Ion Ratio Lower Upper
95 100
174 83.5 0.0 177.0
176 80.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Tgt Ion: 117 Resp: 333862
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.2 25.4 38.0

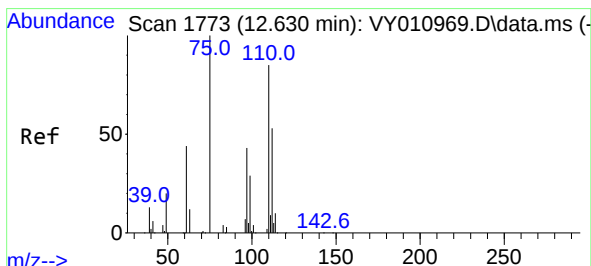
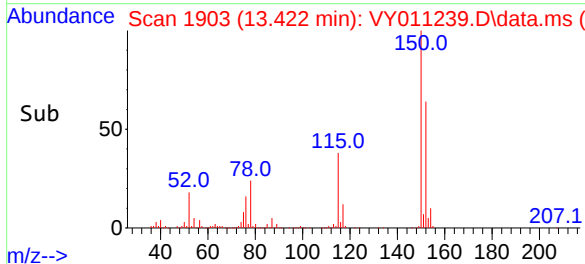
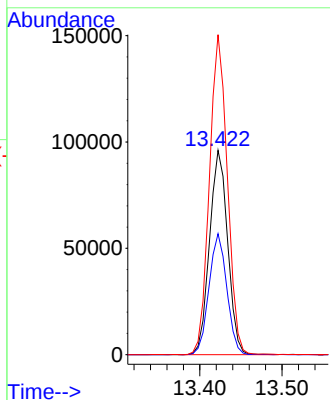
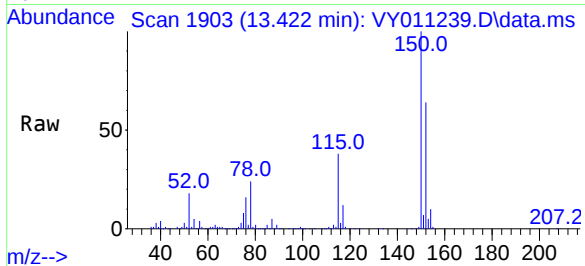




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

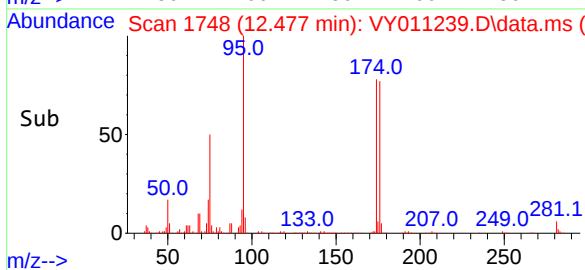
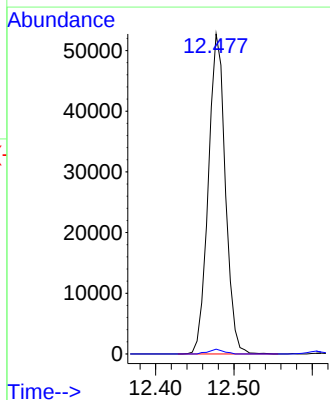
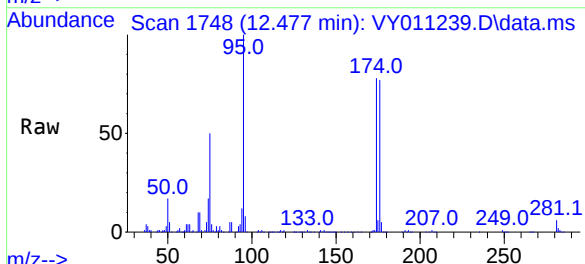
Instrument :
MSVOA_Y
ClientSampleId :
S-3-103122

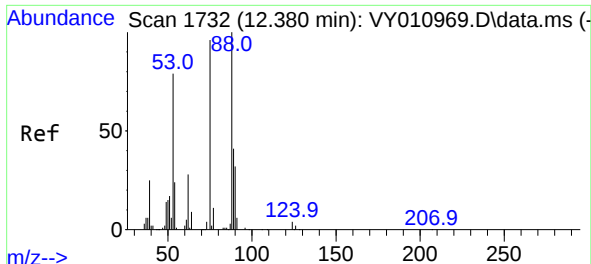
Tgt Ion:152 Resp: 147143
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 155.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 44.420 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Tgt Ion: 75 Resp: 79571
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

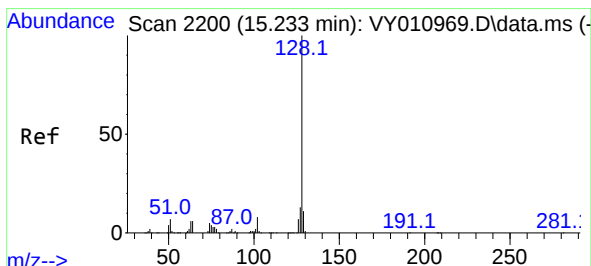
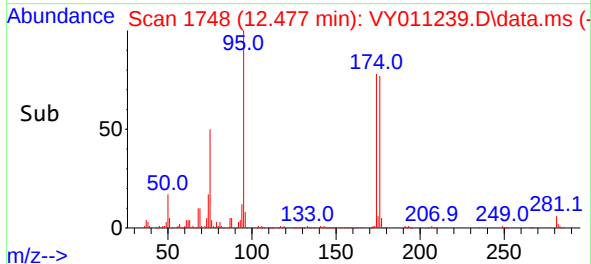
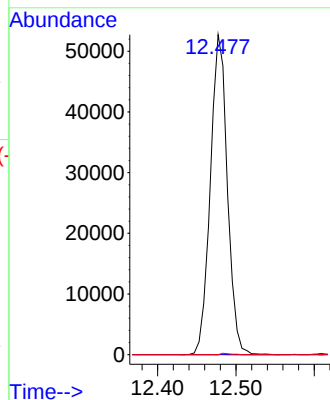
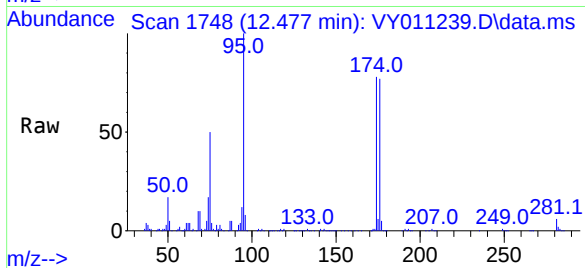




#81
trans-1,4-Dichloro-2-butene
Concen: 95.064 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Instrument :
MSVOA_Y
ClientSampleId :
S-3-103122

Tgt Ion: 75 Resp: 79571
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#



#95
Naphthalene
Concen: 4.252 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011239.D
Acq: 01 Nov 2022 23:15

Tgt Ion: 128 Resp: 2014
Ion Ratio Lower Upper
128 100
127 15.7 11.0 16.4
129 10.1 8.4 12.6

