

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011236.D
 Acq On : 01 Nov 2022 21:44
 Operator : KP/MD
 Sample : VY1101SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBL02

Quant Time: Nov 02 01:44:44 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)

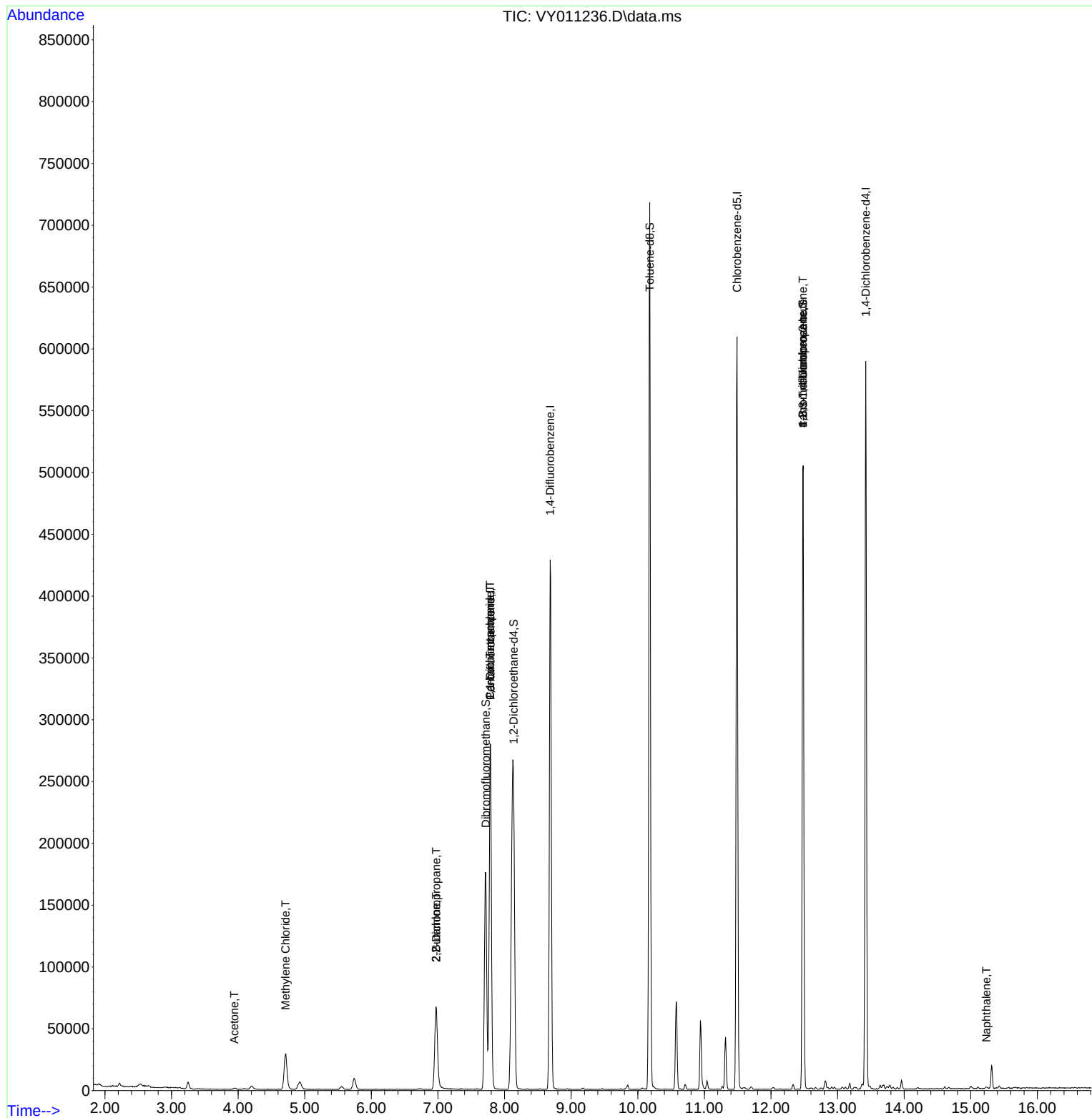
Internal Standards						
1) Pentafluorobenzene	7.789	168	222276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	342218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	129684	54.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.100%	
35) Dibromofluoromethane	7.716	113	130257	53.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.040%	
50) Toluene-d8	10.179	98	472303	49.514	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	12.477	95	156838	47.362	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1059	Below Cal		91
11) Tert butyl alcohol	4.924	59	6643	Below Cal	#	80
16) Acetone	3.942	43	1862	2.595	ug/l	97
20) Methylene Chloride	4.710	84	22794	3.045	ug/l #	80
25) 2-Butanone	6.972	43	3843	3.806	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	5218	1.200	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	16940	4.222	ug/l #	51
38) Carbon Tetrachloride	7.783	117	22052	5.298	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	77196	40.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77196	87.075	ug/l #	7
95) Naphthalene	15.233	128	1589	4.180	ug/l	94

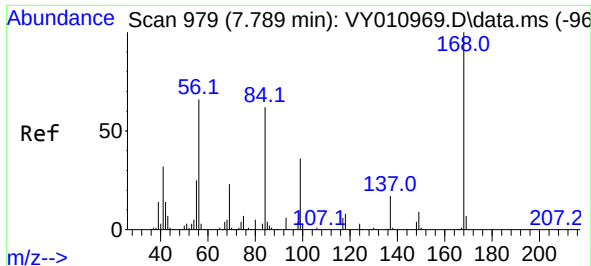
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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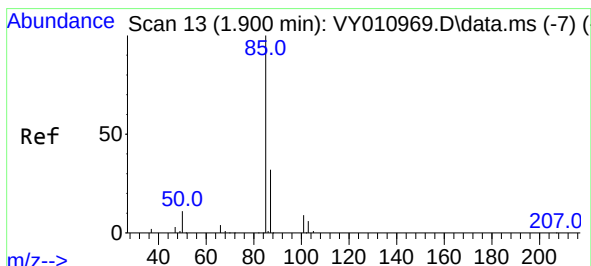
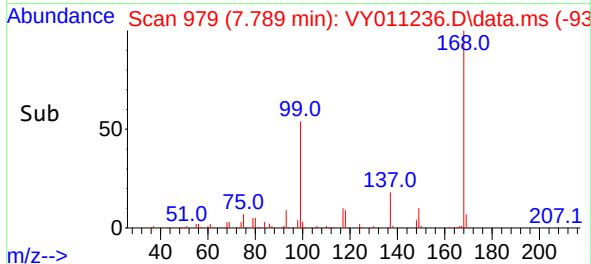
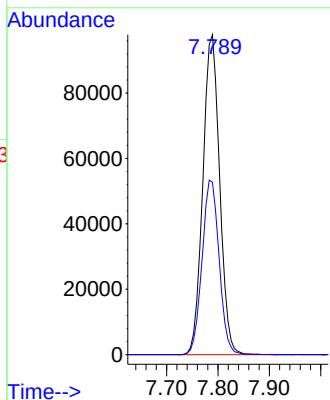
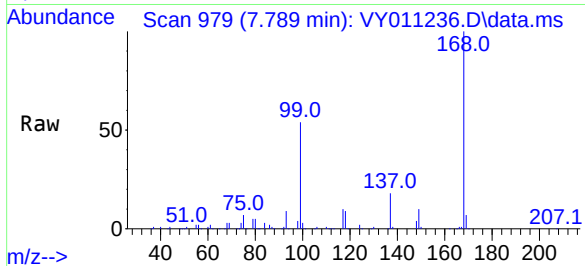




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

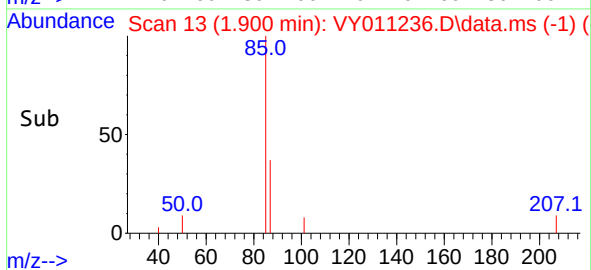
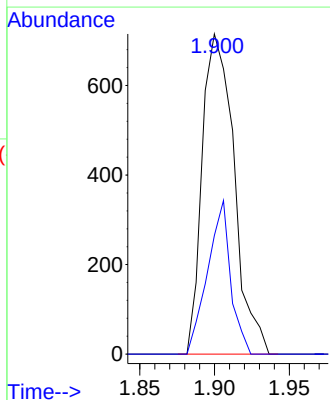
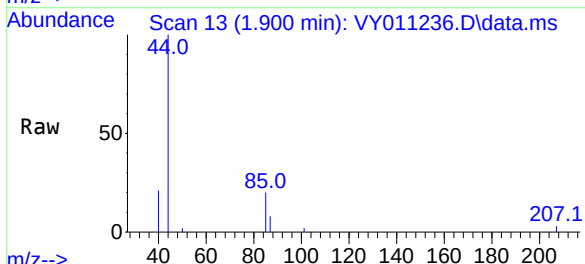
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBL02

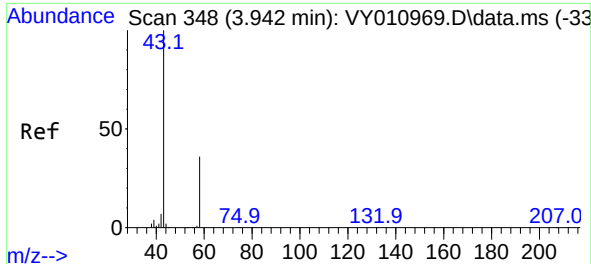
Tgt Ion:168 Resp: 222276
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Tgt Ion: 85 Resp: 1059
Ion Ratio Lower Upper
85 100
87 37.1 16.1 48.2





#16

Acetone

Concen: 2.595 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

Instrument :

MSVOA_Y

ClientSampleId :

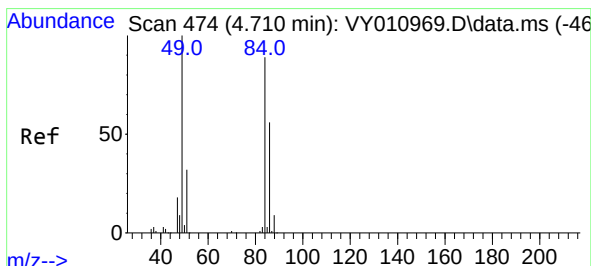
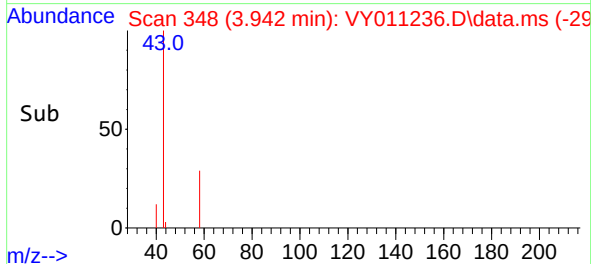
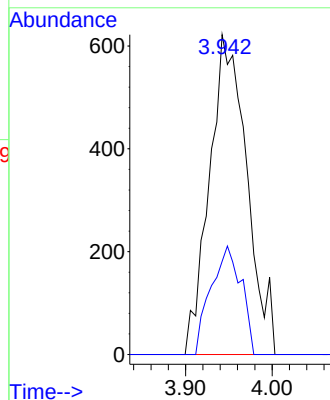
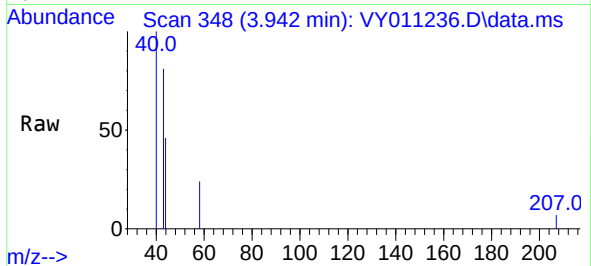
VY1101SBL02

Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

58 29.1 22.0 33.0



#20

Methylene Chloride

Concen: 3.045 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

Tgt Ion: 84 Resp: 22794

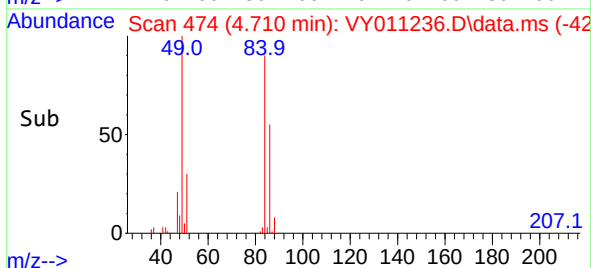
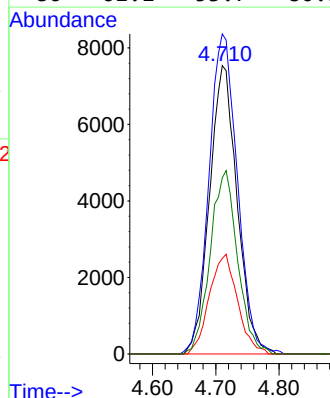
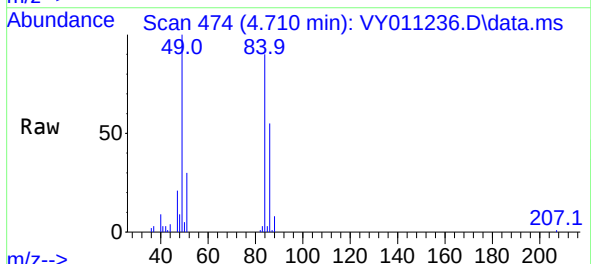
Ion Ratio Lower Upper

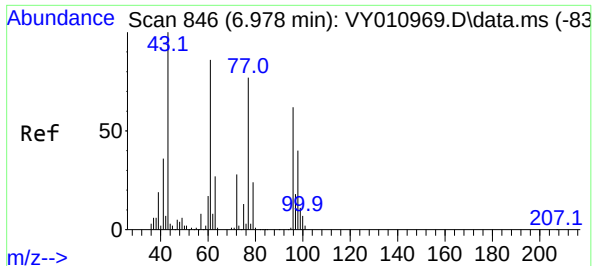
84 100

49 111.0 114.4 171.6#

51 33.1 35.3 52.9#

86 61.1 53.7 80.5





#25

2-Butanone

Concen: 3.806 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

Instrument :

MSVOA_Y

ClientSampleId :

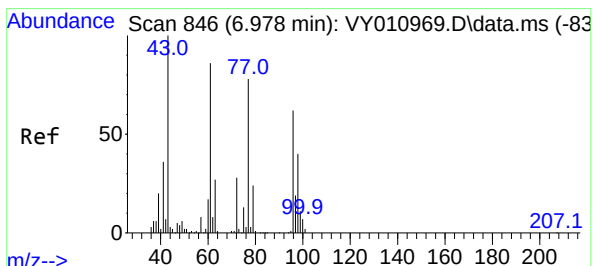
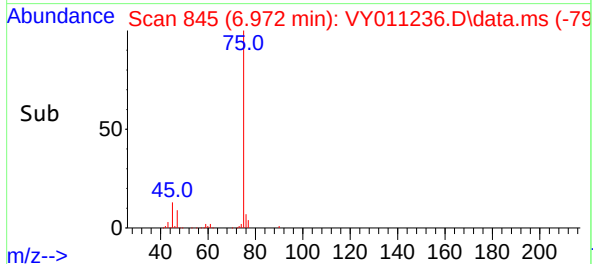
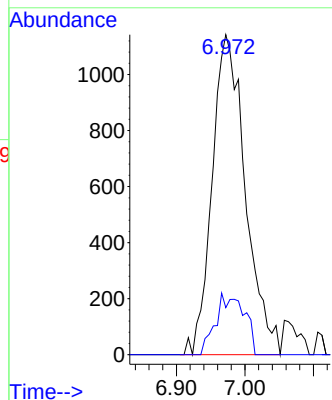
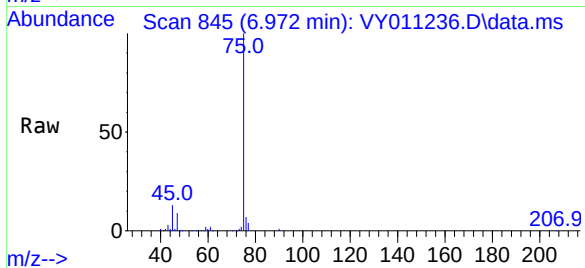
VY1101SBL02

Tgt Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

72 14.7 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.200 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY011236.D

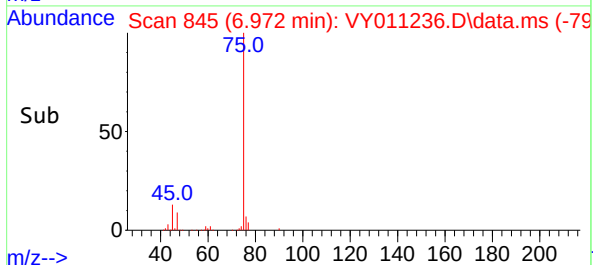
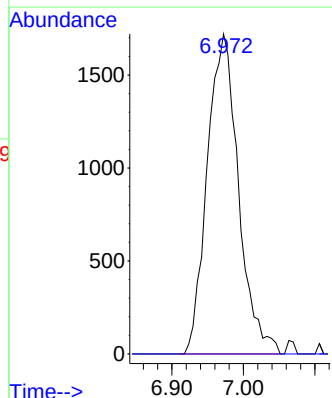
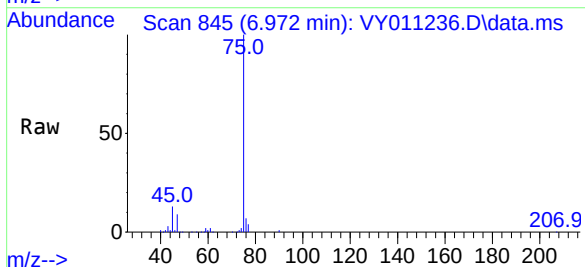
Acq: 01 Nov 2022 21:44

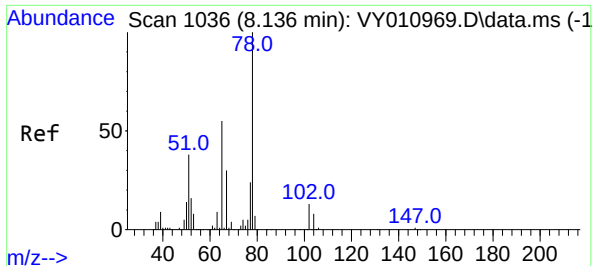
Tgt Ion: 77 Resp: 5218

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 54.552 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

Instrument :

MSVOA_Y

ClientSampleId :

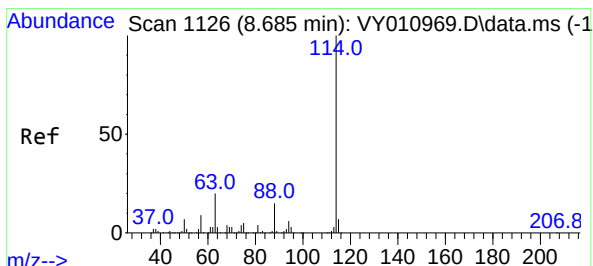
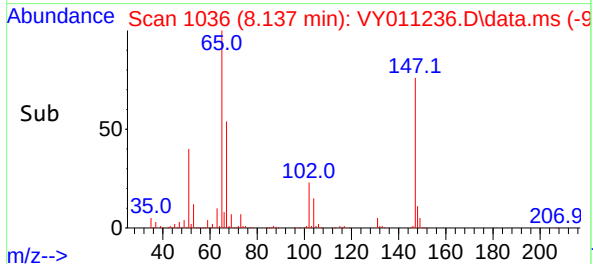
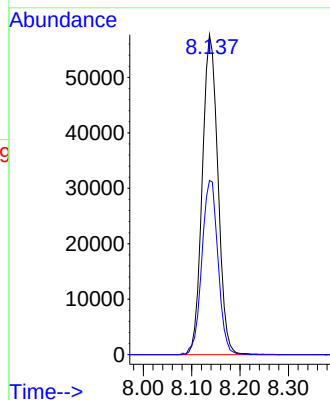
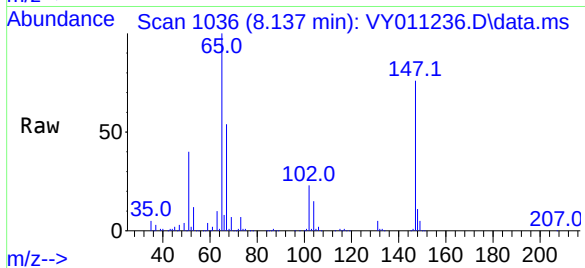
VY1101SBL02

Tgt Ion: 65 Resp: 129684

Ion Ratio Lower Upper

65 100

67 56.2 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: VY011236.D

Acq: 01 Nov 2022 21:44

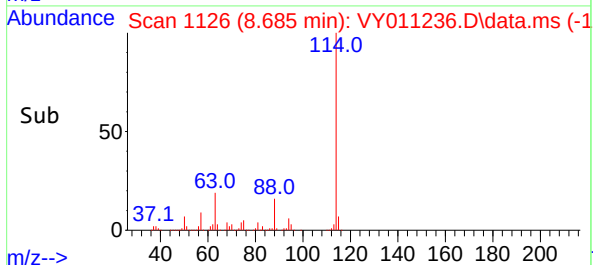
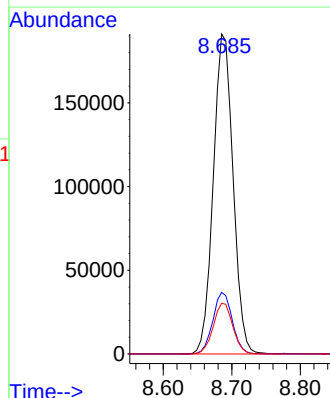
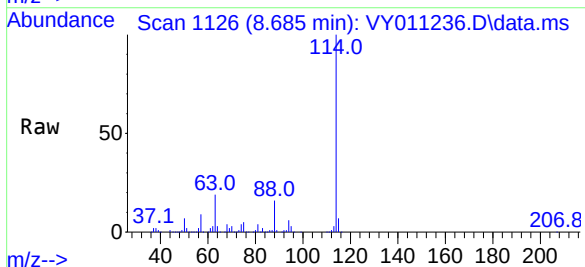
Tgt Ion:114 Resp: 382382

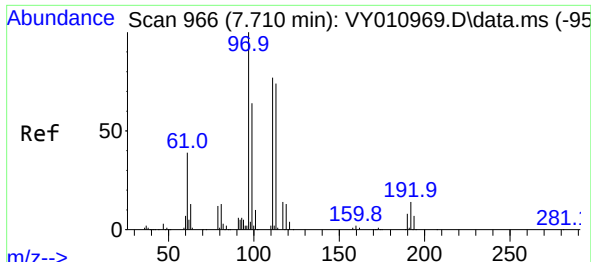
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.019 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

Instrument :

MSVOA_Y

ClientSampleId :

VY1101SBL02

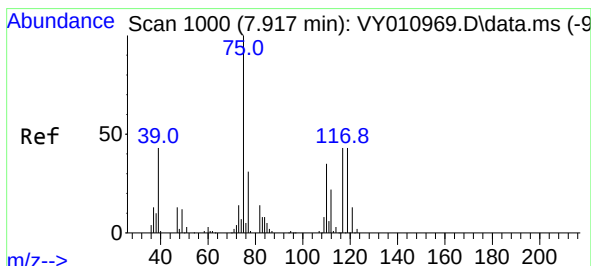
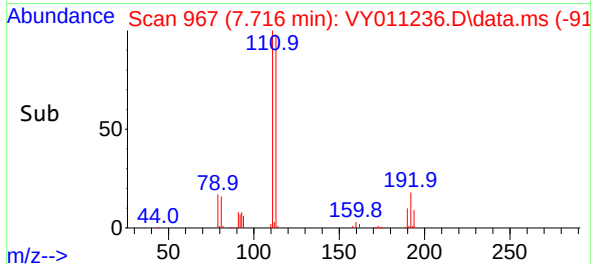
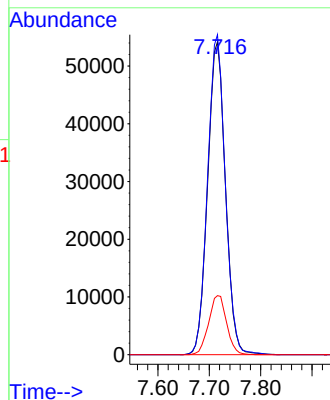
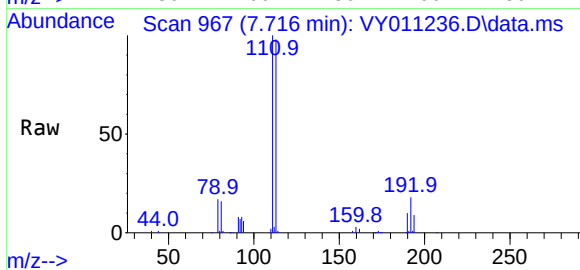
Tgt Ion:113 Resp: 130257

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 19.0 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.222 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY011236.D

Acq: 01 Nov 2022 21:44

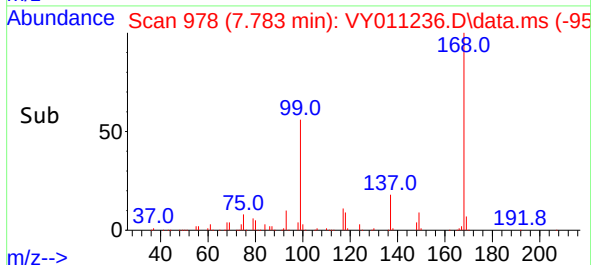
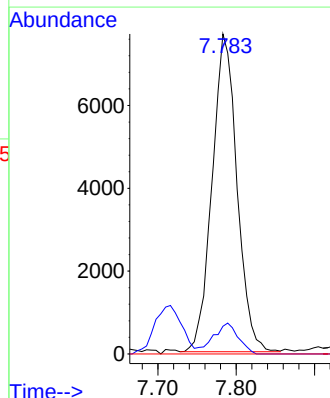
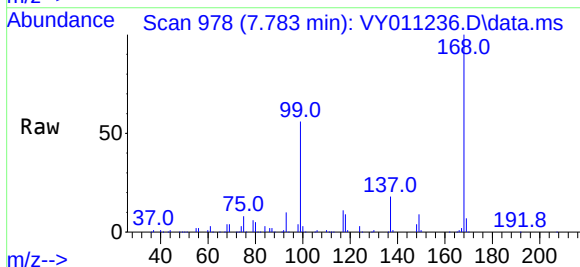
Tgt Ion: 75 Resp: 16940

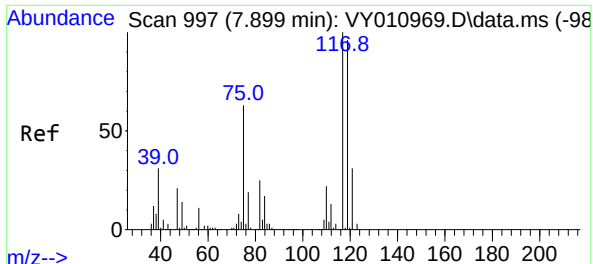
Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#

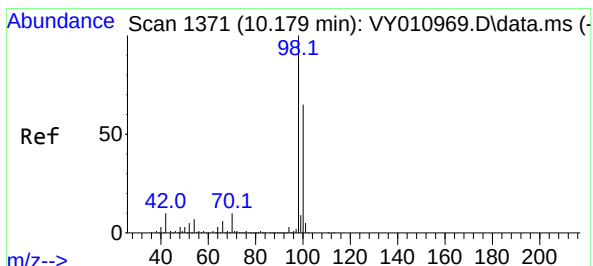
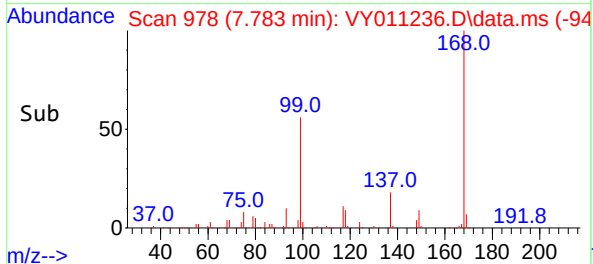
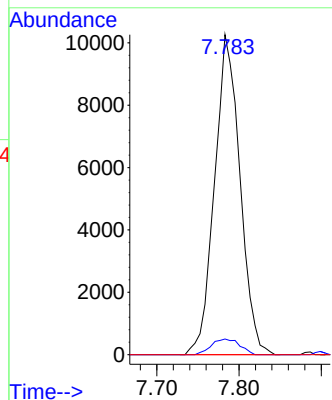
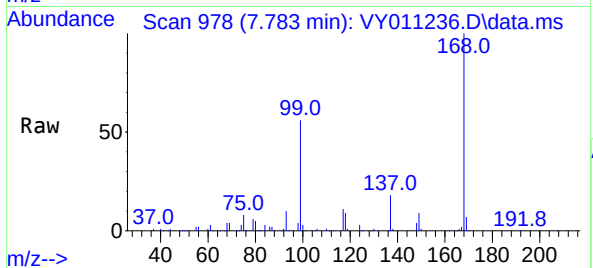




#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

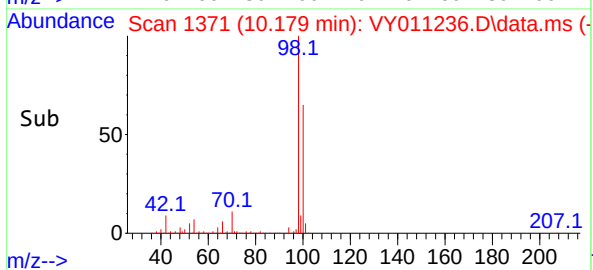
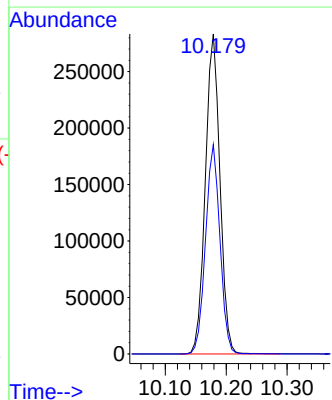
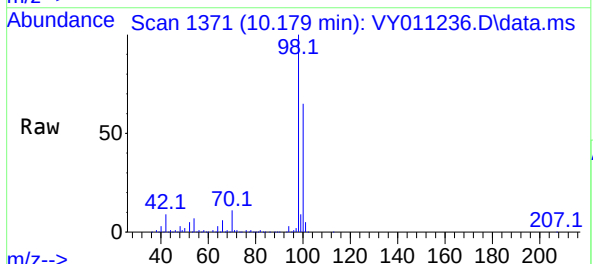
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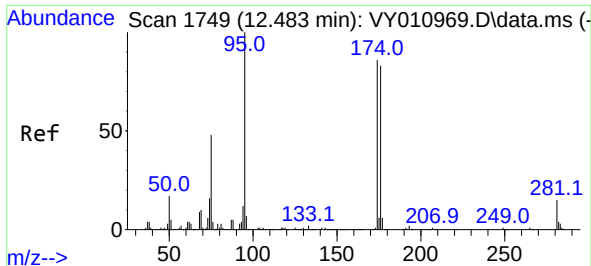
Tgt Ion:117 Resp: 22052
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Tgt Ion: 98 Resp: 472303
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

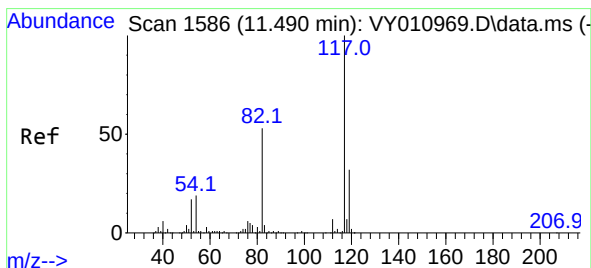
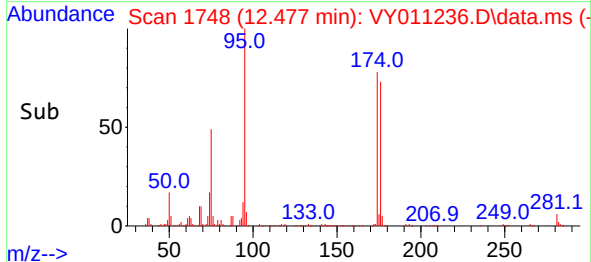
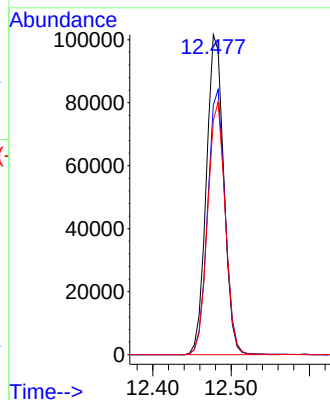
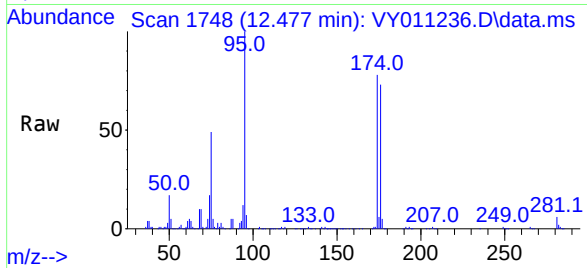




#62
4-Bromofluorobenzene
Concen: 47.362 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

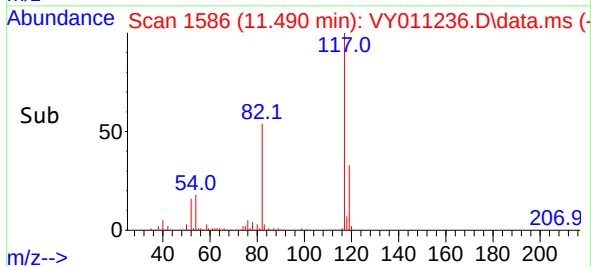
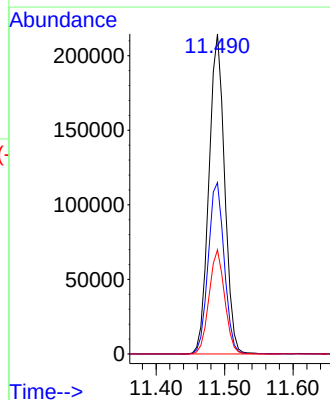
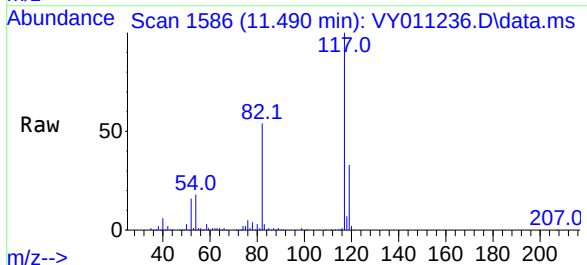
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBL02

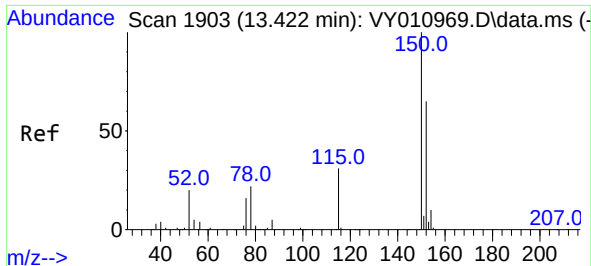
Tgt Ion: 95 Resp: 156838
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 79.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Tgt Ion: 117 Resp: 342218
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.6 25.4 38.0

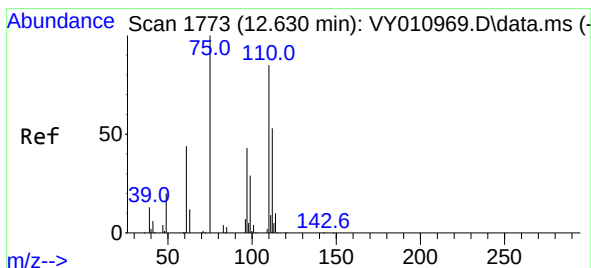
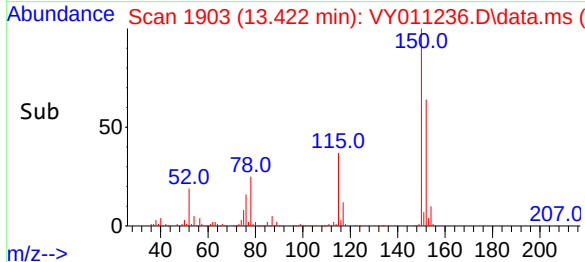
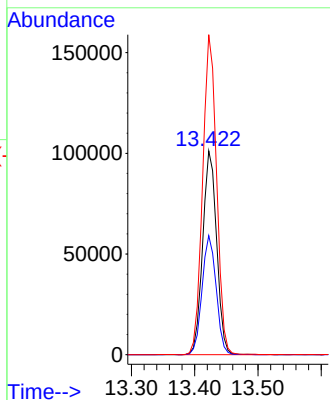
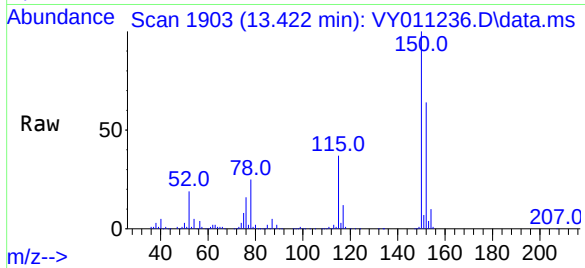




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

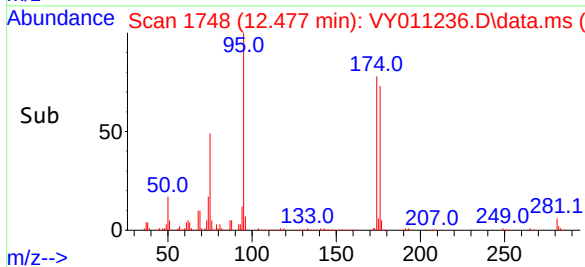
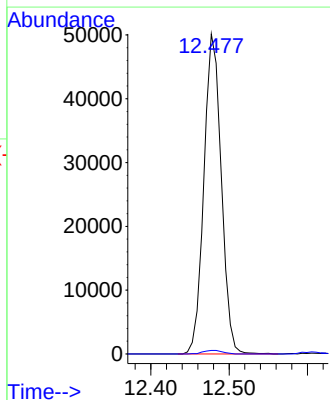
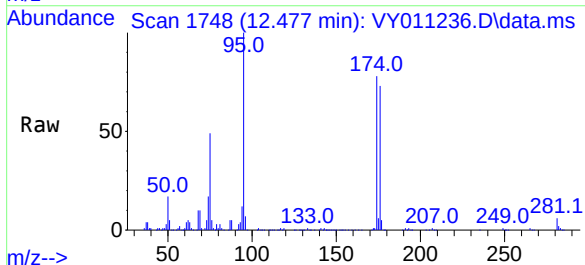
Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBL02

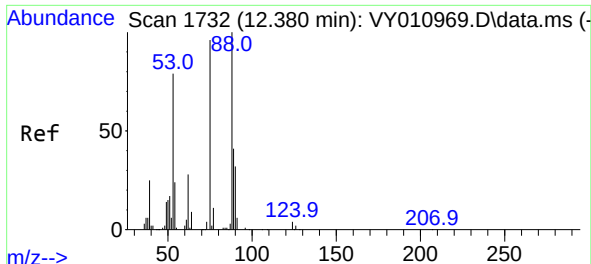
Tgt Ion:152 Resp: 155848
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 156.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 40.687 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Tgt Ion: 75 Resp: 77196
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

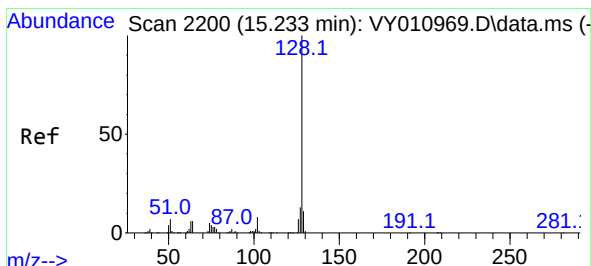
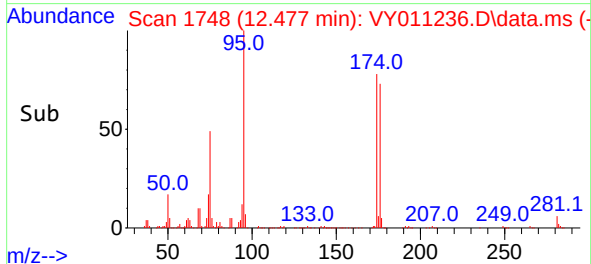
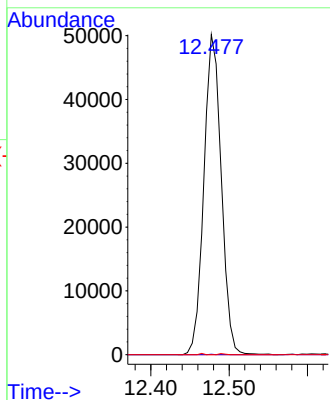
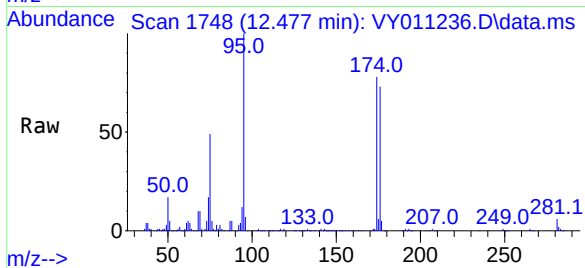




#81
trans-1,4-Dichloro-2-butene
Concen: 87.075 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Instrument :
MSVOA_Y
ClientSampleId :
VY1101SBL02

Tgt Ion: 75 Resp: 77196
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.180 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011236.D
Acq: 01 Nov 2022 21:44

Tgt Ion: 128 Resp: 1589
Ion Ratio Lower Upper
128 100
127 11.1 11.0 16.4
129 12.5 8.4 12.6

