

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110322\
 Data File : VY011290.D
 Acq On : 03 Nov 2022 16:25
 Operator : KP/MD
 Sample : N5395-05RE
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-4-103122RE

Quant Time: Nov 04 02:21:32 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)

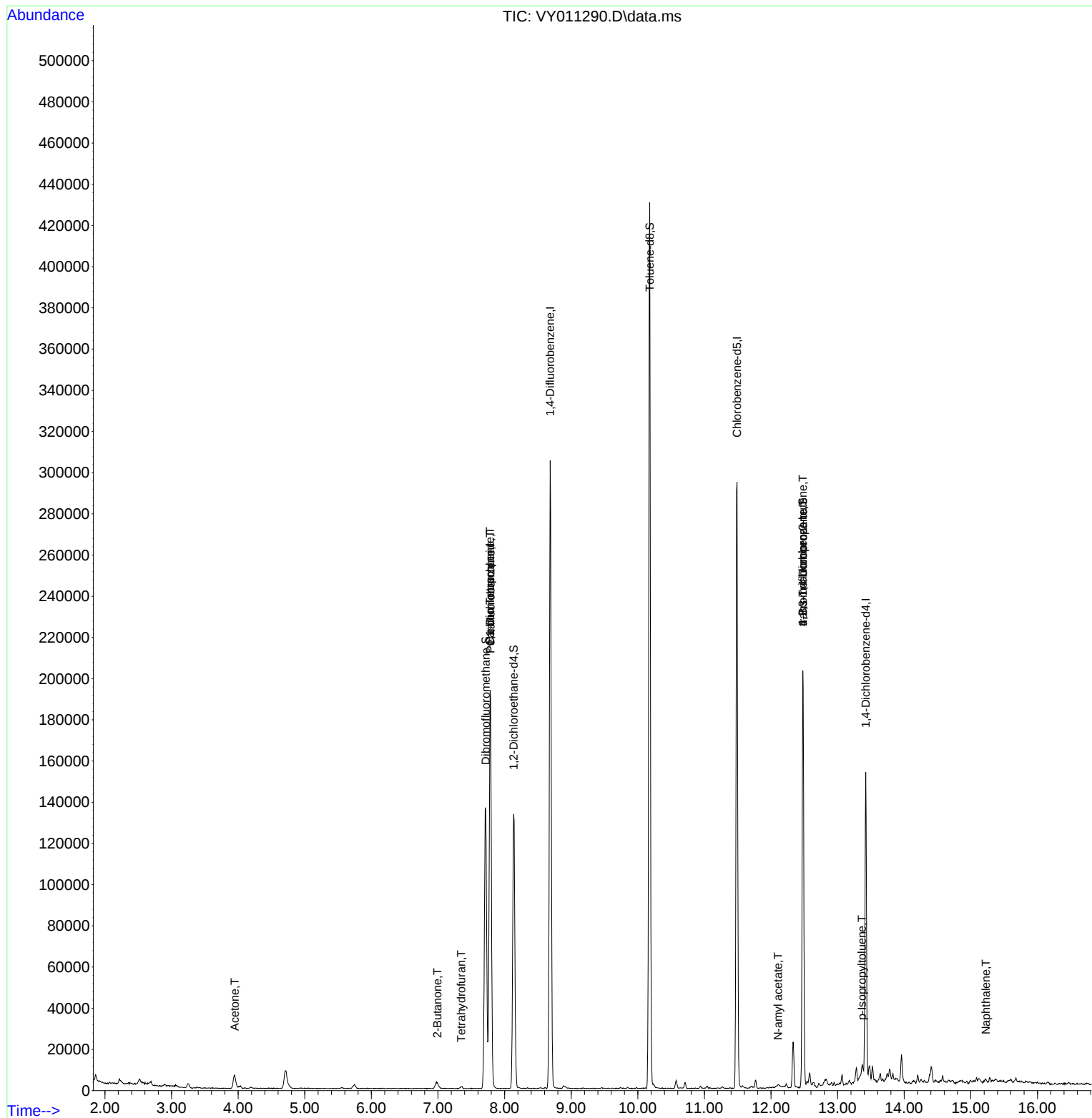
Internal Standards						
1) Pentafluorobenzene	7.789	168	152463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	170314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	39566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106008	65.012	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.020%	
35) Dibromofluoromethane	7.716	113	99812	59.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.820%	
50) Toluene-d8	10.179	98	289329	44.352	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.700%	
62) 4-Bromofluorobenzene	12.477	95	59763	26.389	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 52.780%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	25	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	305	Below Cal	#	77
16) Acetone	3.948	43	11546	23.457	ug/l	90
20) Methylene Chloride	4.710	84	6913	Below Cal	#	79
25) 2-Butanone	6.990	43	3594	5.189	ug/l	# 91
29) Tetrahydrofuran	7.350	42	739	1.833	ug/l	92
36) 1,1-Dichloropropene	7.783	75	11402	4.155	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	15135	5.317	ug/l	# 15
74) N-amyl acetate	12.105	43	785	1.057	ug/l	# 49
76) 1,2,3-Trichloropropane	12.477	75	29592	61.435	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	29592	131.478	ug/l	# 7
86) p-Isopropyltoluene	13.367	119	4018	1.507	ug/l	# 83
95) Naphthalene	15.227	128	919	4.449	ug/l	97

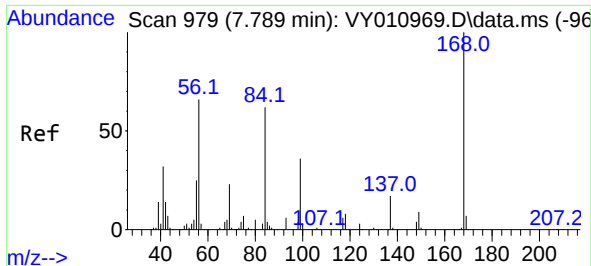
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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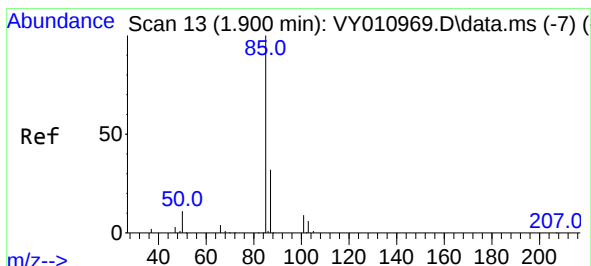
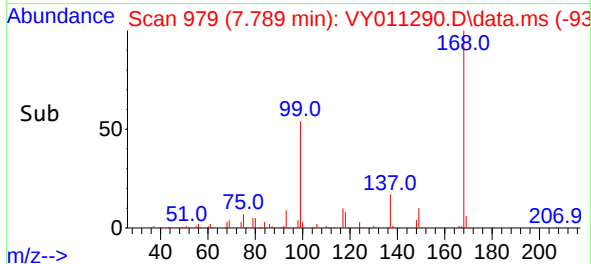
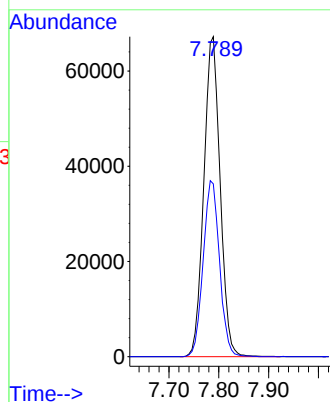
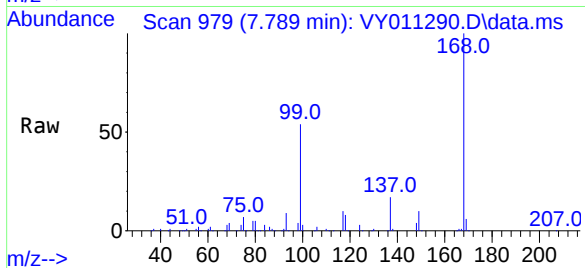




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

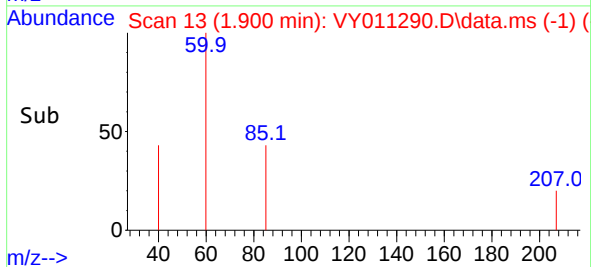
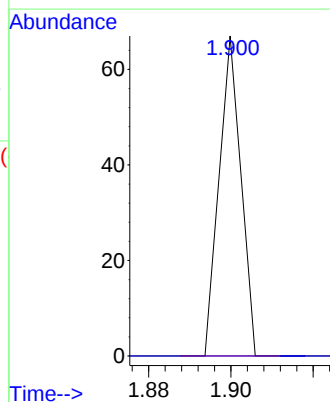
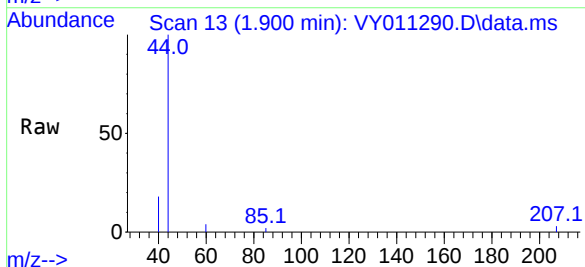
Instrument :
MSVOA_Y
ClientSampleId :
S-4-103122RE

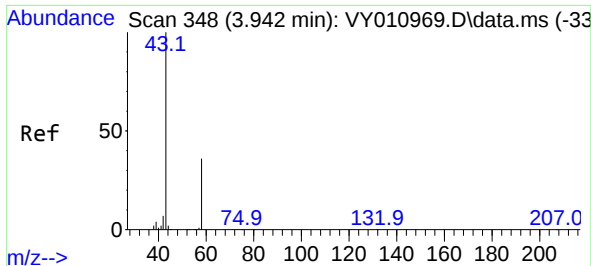
Tgt Ion:168 Resp: 152463
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

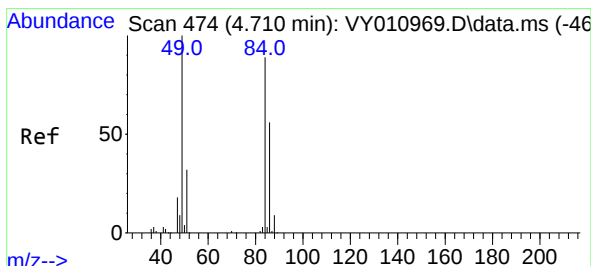
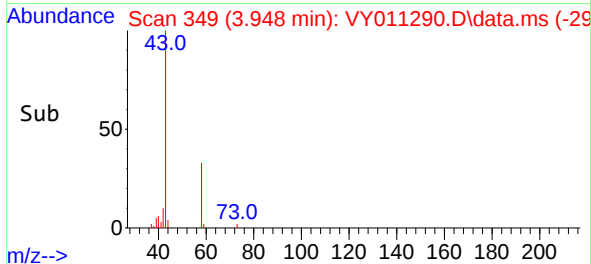
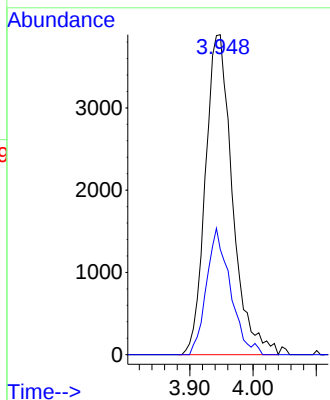
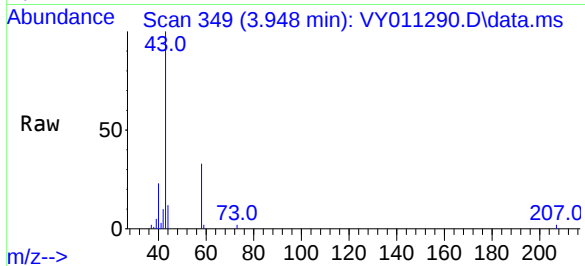




#16
Acetone
Concen: 23.457 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

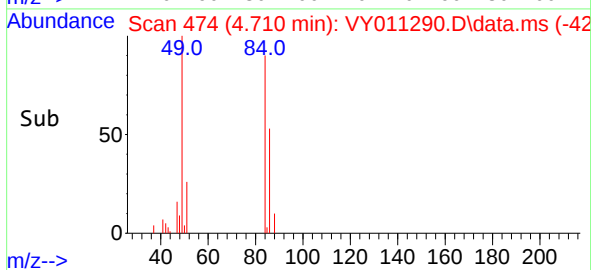
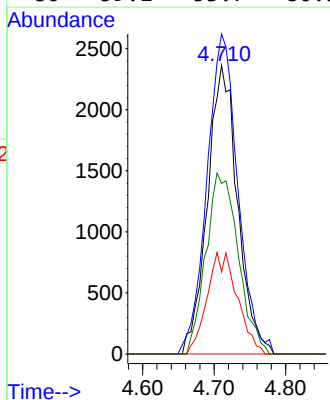
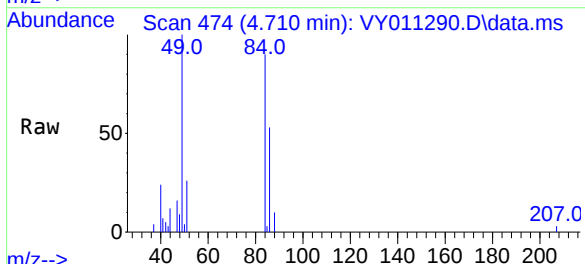
Instrument :
MSVOA_Y
ClientSampleId :
S-4-103122RE

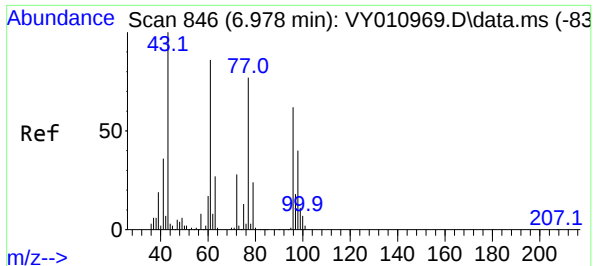
Tgt Ion: 43 Resp: 11546
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 84 Resp: 6913
Ion Ratio Lower Upper
84 100
49 110.9 114.4 171.6#
51 28.4 35.3 52.9#
86 59.1 53.7 80.5





#25

2-Butanone

Concen: 5.189 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY011290.D

Acq: 03 Nov 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

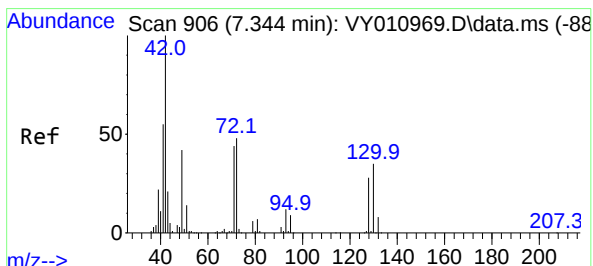
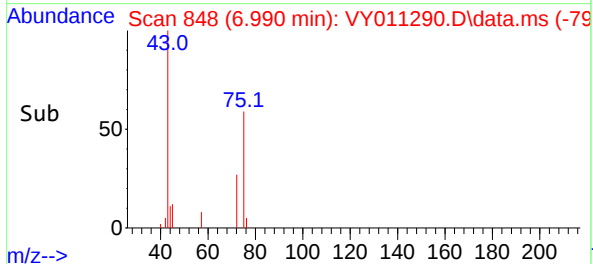
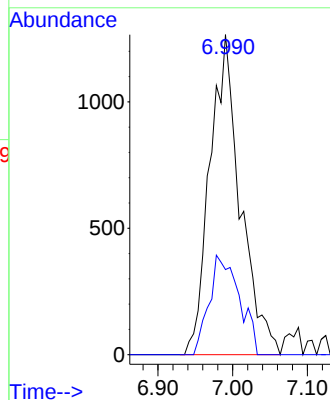
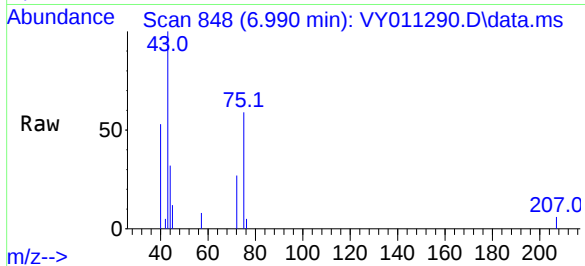
S-4-103122RE

Tgt Ion: 43 Resp: 3594

Ion Ratio Lower Upper

43 100

72 26.6 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.833 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY011290.D

Acq: 03 Nov 2022 16:25

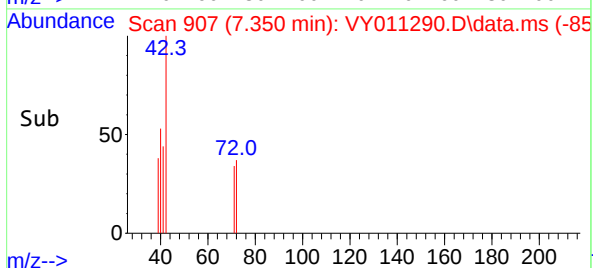
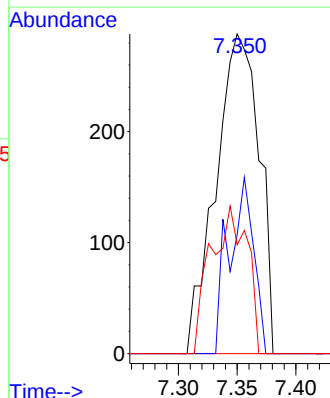
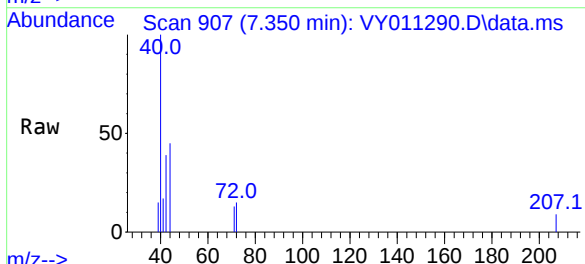
Tgt Ion: 42 Resp: 739

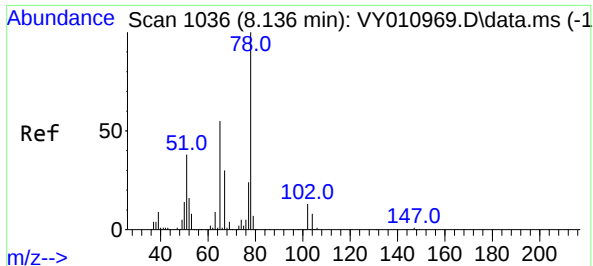
Ion Ratio Lower Upper

42 100

72 31.3 30.3 45.5

71 38.7 29.0 43.4





#33

1,2-Dichloroethane-d4

Concen: 65.012 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011290.D

Acq: 03 Nov 2022 16:25

Instrument :

MSVOA_Y

ClientSampleId :

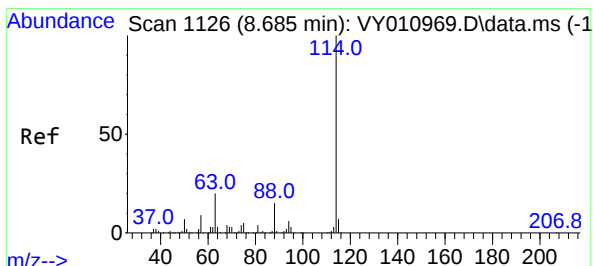
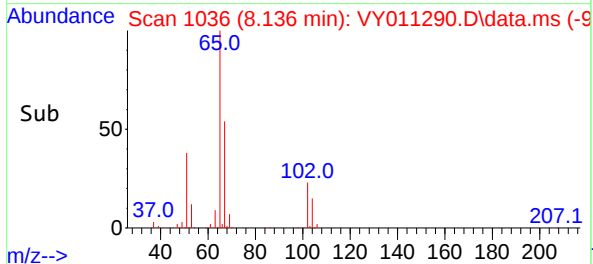
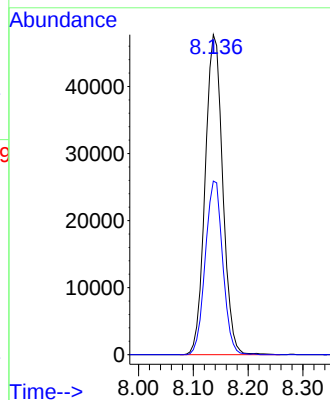
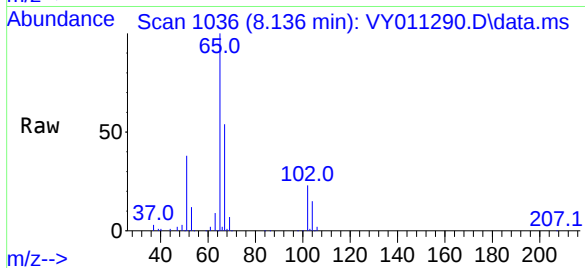
S-4-103122RE

Tgt Ion: 65 Resp: 106008

Ion Ratio Lower Upper

65 100

67 53.8 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: VY011290.D

Acq: 03 Nov 2022 16:25

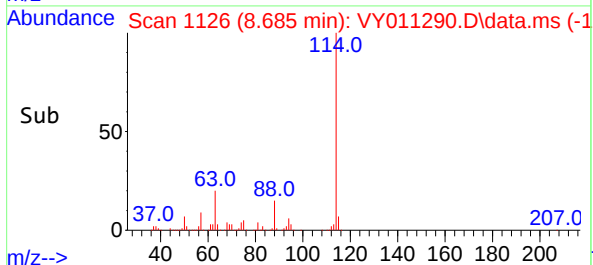
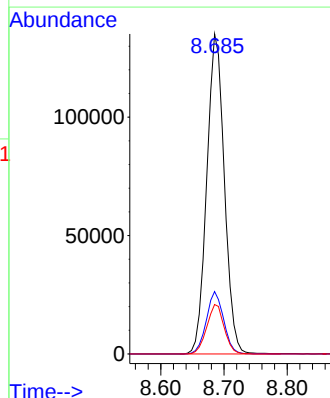
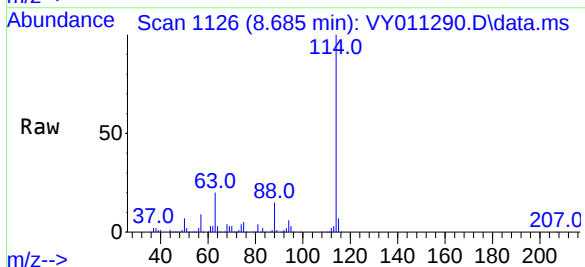
Tgt Ion: 114 Resp: 261509

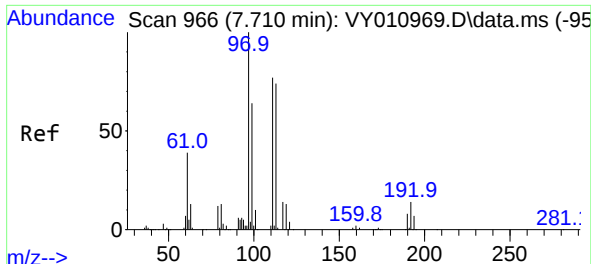
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.5 0.0 31.8

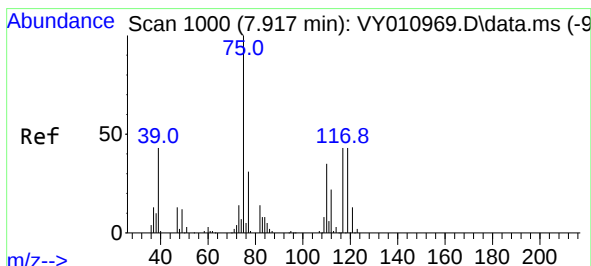
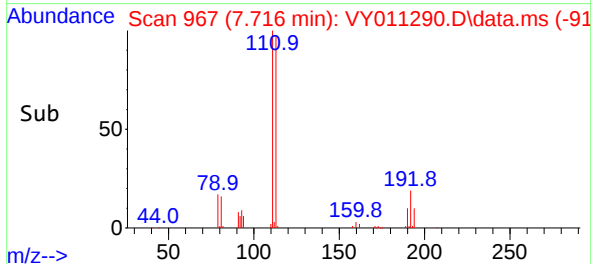
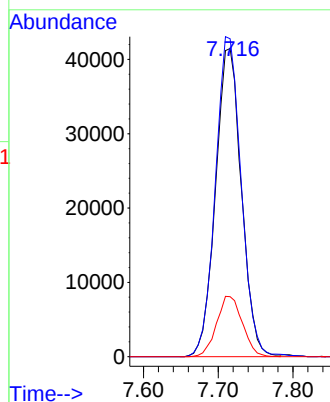
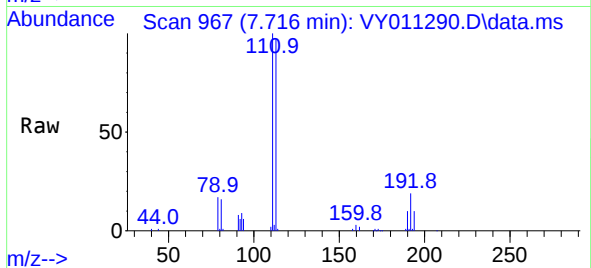




#35
Dibromofluoromethane
Concen: 59.405 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

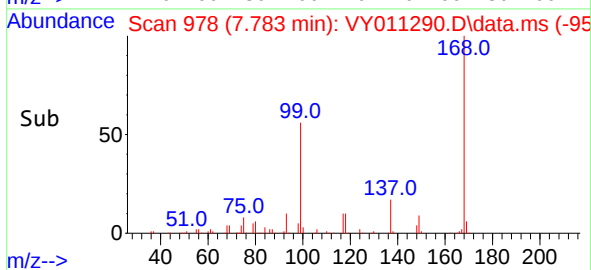
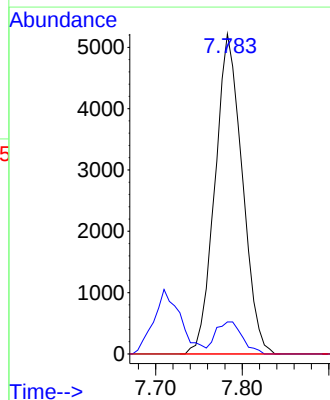
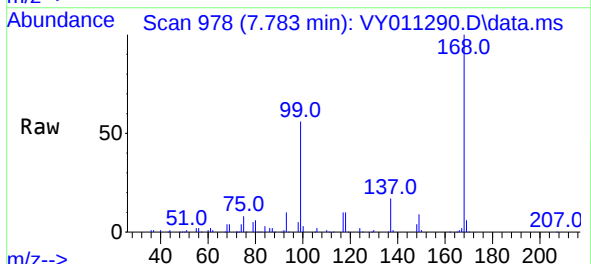
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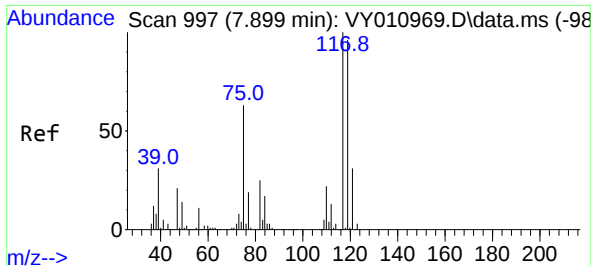
Tgt Ion:113 Resp: 99812
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.155 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 75 Resp: 11402
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

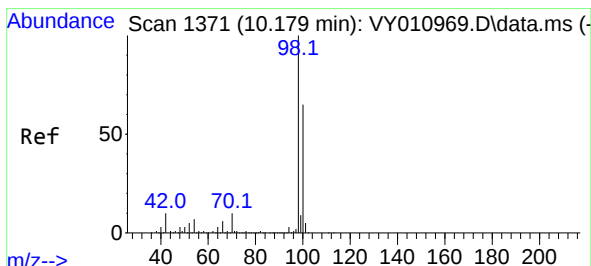
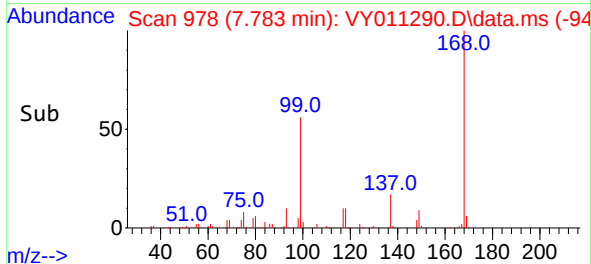
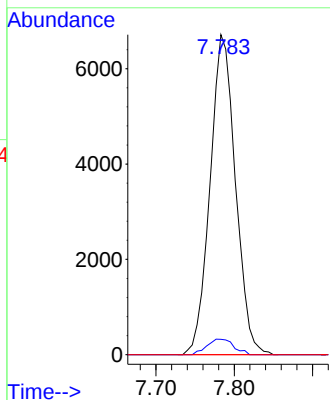
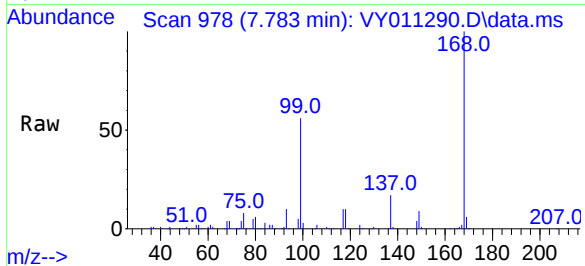




#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

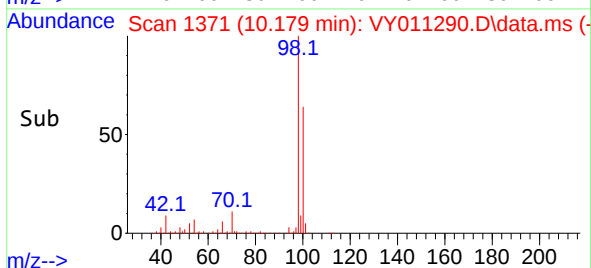
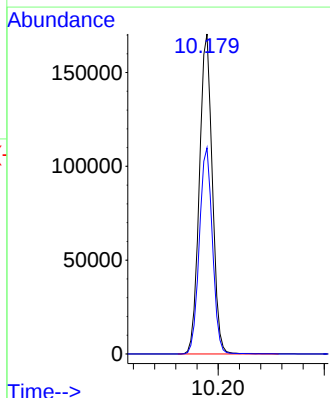
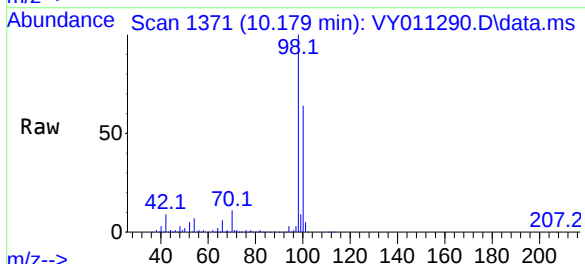
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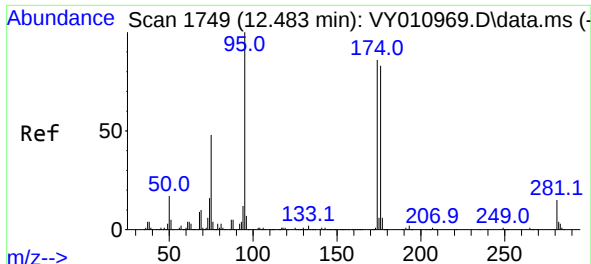
Tgt Ion:117 Resp: 15135
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.352 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 98 Resp: 289329
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

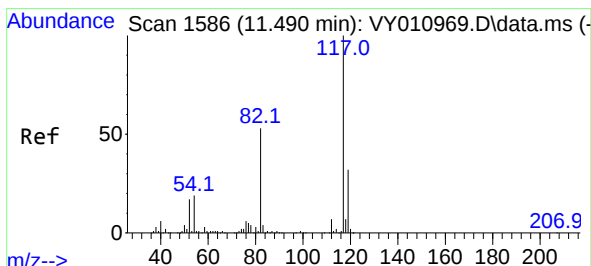
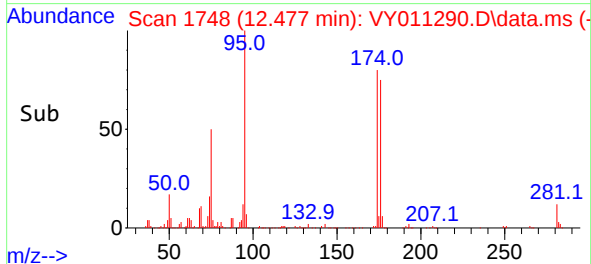
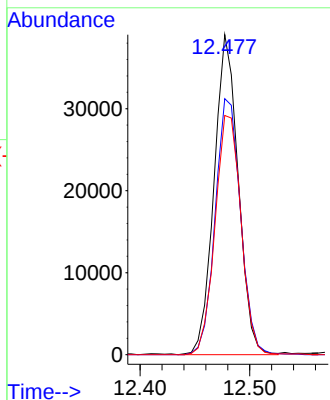
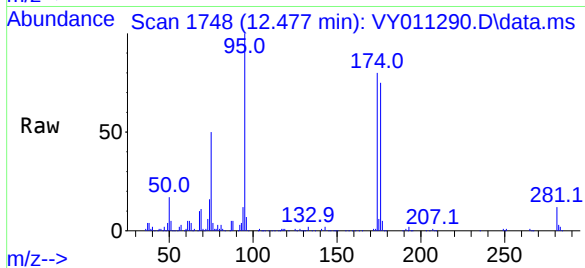




#62
4-Bromofluorobenzene
Concen: 26.389 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

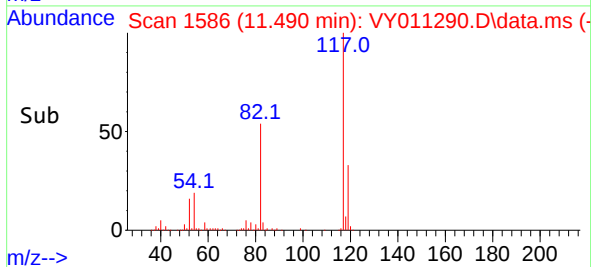
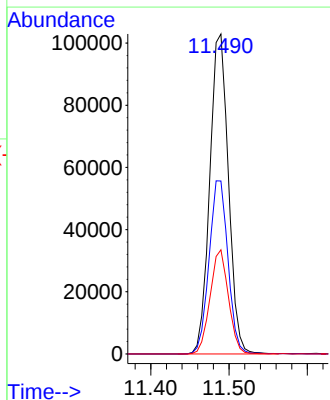
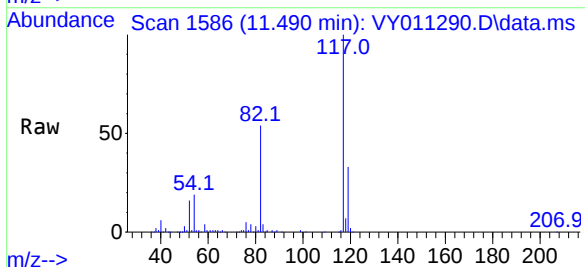
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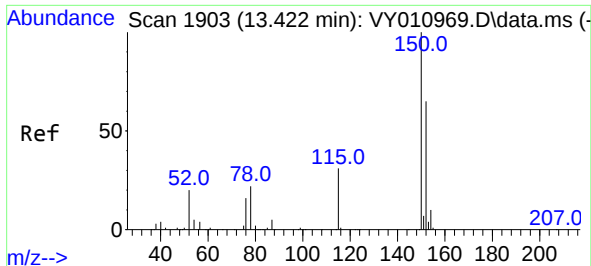
Tgt Ion: 95 Resp: 59763
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 117 Resp: 170314
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.6 25.4 38.0

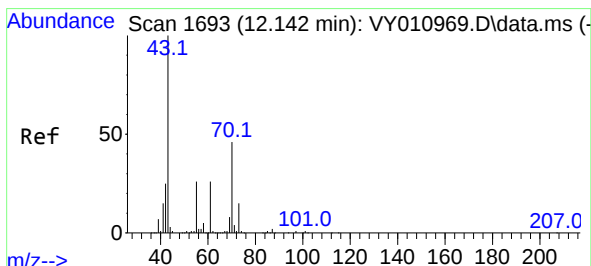
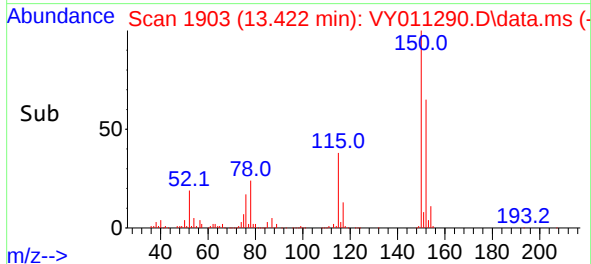
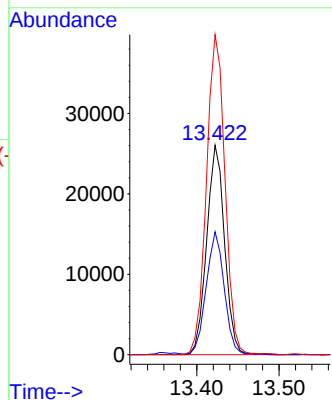
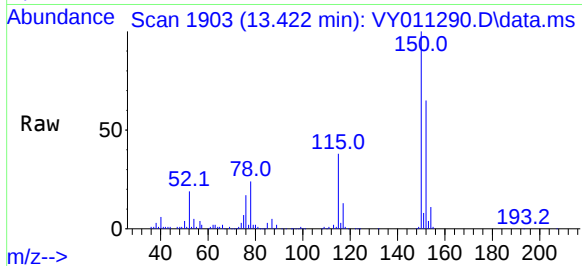




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

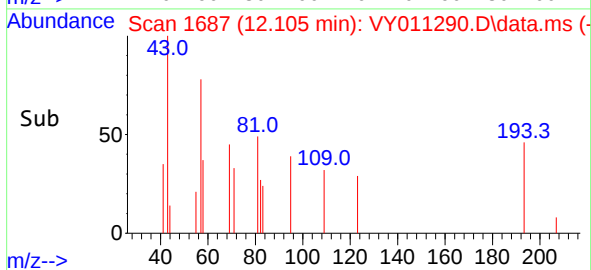
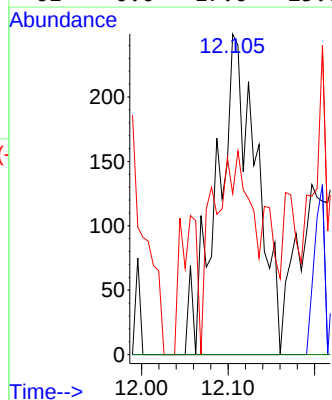
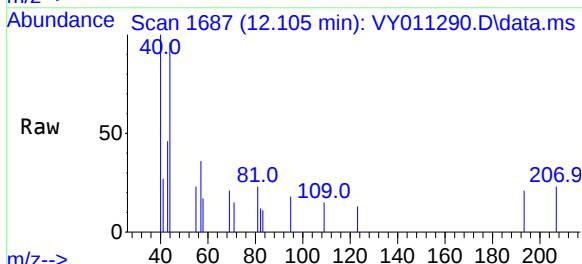
Instrument :
MSVOA_Y
ClientSampleId :
S-4-103122RE

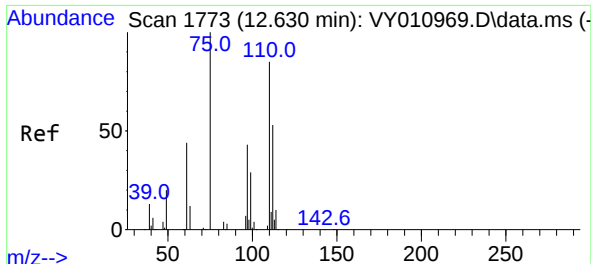
Tgt Ion:152 Resp: 39566
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 157.5 0.0 347.6



#74
N-ethyl acetate
Concen: 1.057 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 40.6 17.3 25.9#
61 0.0 17.0 25.6#

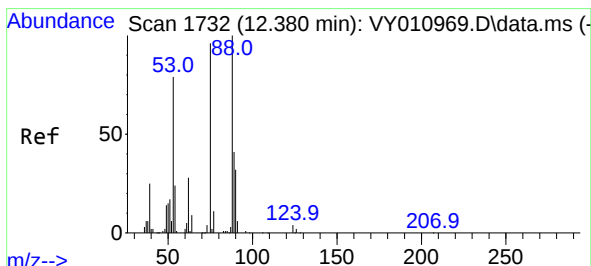
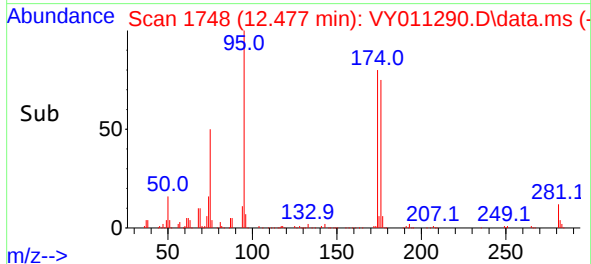
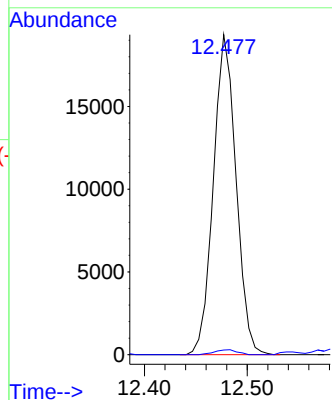
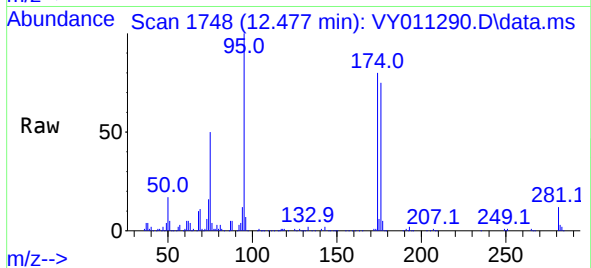




#76
1,2,3-Trichloropropane
Concen: 61.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

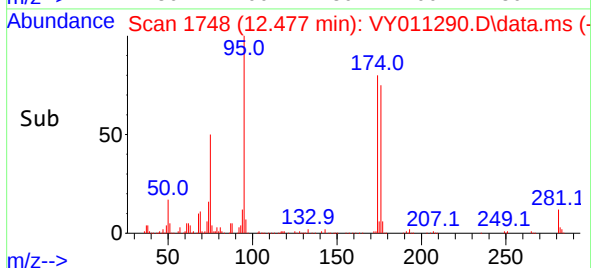
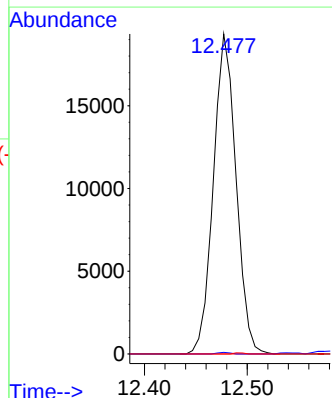
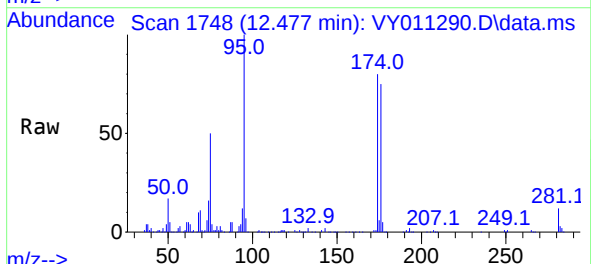
Instrument :
MSVOA_Y
ClientSampleId :
S-4-103122RE

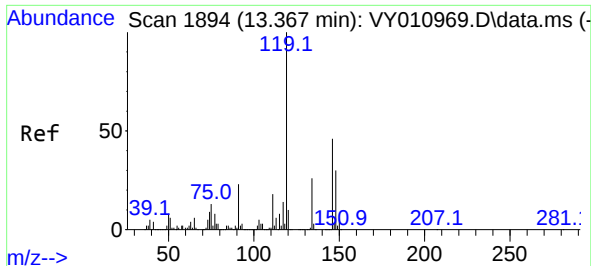
Tgt Ion: 75 Resp: 29592
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.478 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion: 75 Resp: 29592
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.2 37.0 55.4#

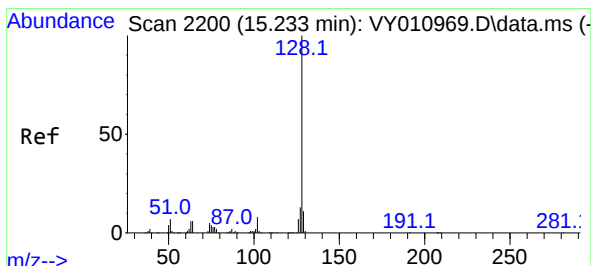
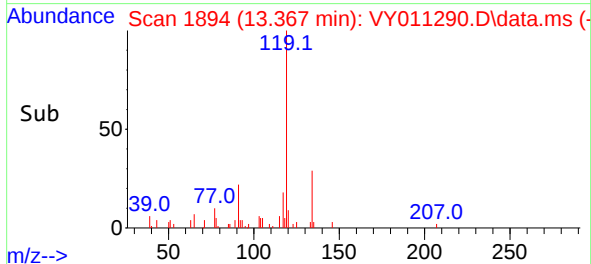
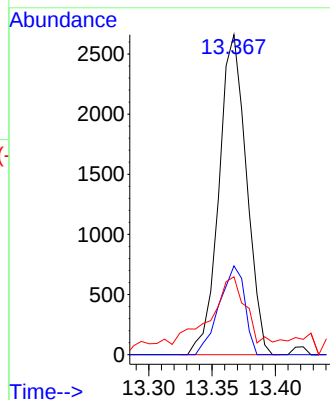
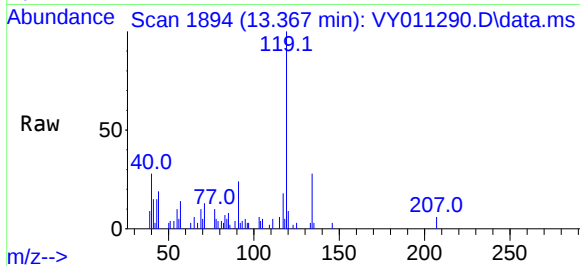




#86
p-Isopropyltoluene
Concen: 1.507 ug/l
RT: 13.367 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Instrument :
MSVOA_Y
ClientSampleId :
S-4-103122RE

Tgt Ion:119 Resp: 4018
Ion Ratio Lower Upper
119 100
134 25.7 13.2 39.5
91 41.5 12.4 37.2#



#95
Naphthalene
Concen: 4.449 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY011290.D
Acq: 03 Nov 2022 16:25

Tgt Ion:128 Resp: 919
Ion Ratio Lower Upper
128 100
127 12.2 11.0 16.4
129 11.2 8.4 12.6

