

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110322\
 Data File : VY011288.D
 Acq On : 03 Nov 2022 15:39
 Operator : KP/MD
 Sample : N5395-03RE
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-11-103122RE

Quant Time: Nov 04 02:21:16 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)

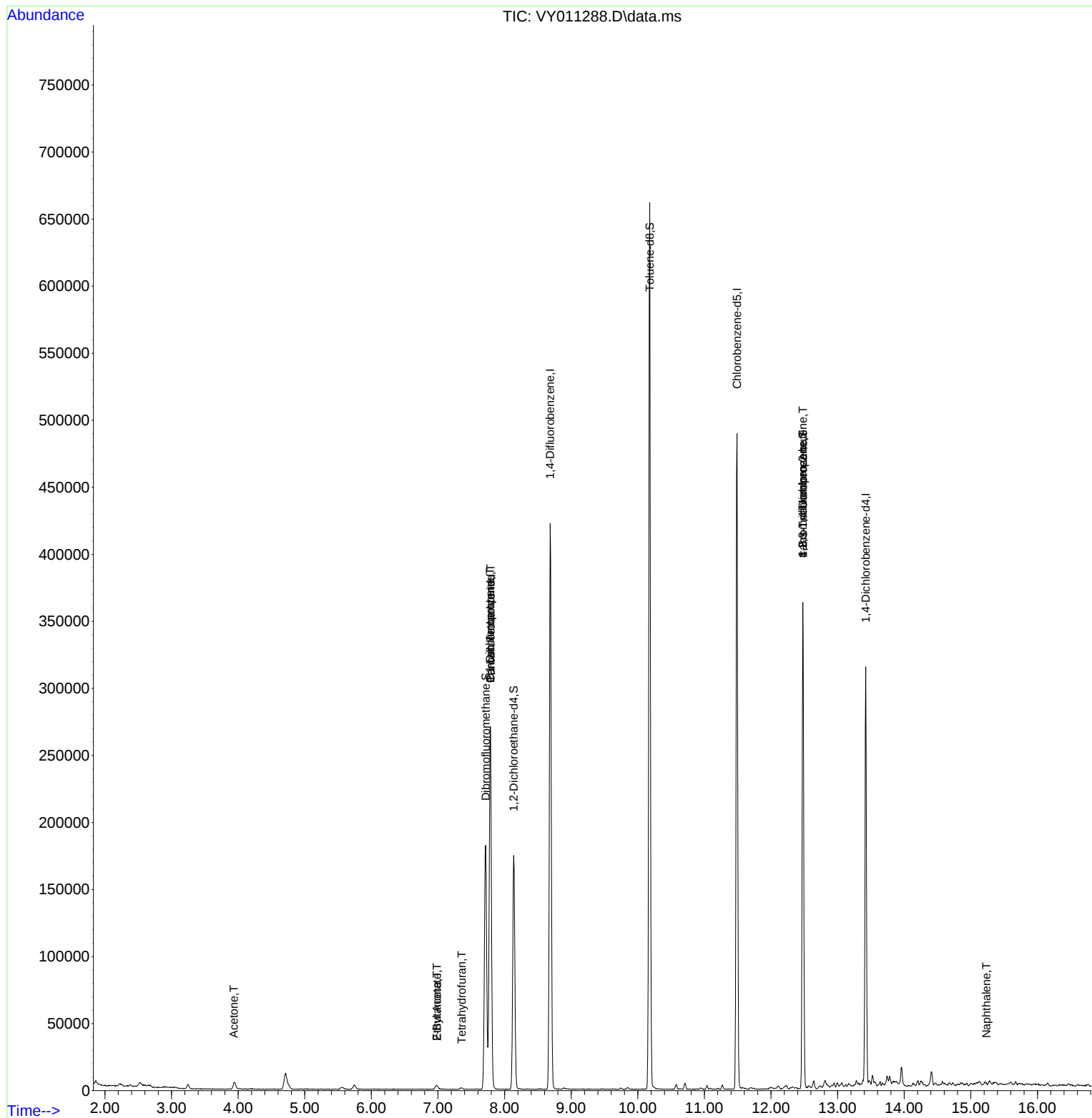
Internal Standards						
1) Pentafluorobenzene	7.789	168	214106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	274560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134840	58.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.780%	
35) Dibromofluoromethane	7.716	113	133388	56.310	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.620%	
50) Toluene-d8	10.179	98	432868	47.065	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.140%	
62) 4-Bromofluorobenzene	12.477	95	110149	34.498	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	74	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	162	Below Cal	#	77
13) Acrolein	3.735	56	24	Below Cal		91
16) Acetone	3.936	43	9484	13.721	ug/l #	84
20) Methylene Chloride	4.710	84	8849	Below Cal	#	77
25) 2-Butanone	6.984	43	3455	3.552	ug/l	95
29) Tetrahydrofuran	7.356	42	871	1.538	ug/l #	84
36) 1,1-Dichloropropene	7.783	75	16587	4.288	ug/l #	51
37) Ethyl Acetate	6.984	43	3455	1.657	ug/l #	73
38) Carbon Tetrachloride	7.789	117	21404	5.333	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	55027	56.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55027	121.909	ug/l #	7
95) Naphthalene	15.233	128	1158	4.271	ug/l	96

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

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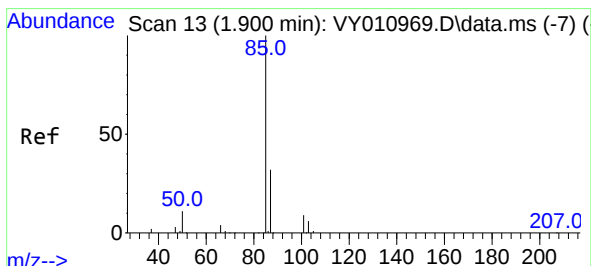
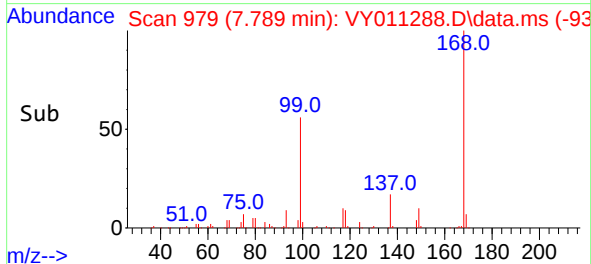
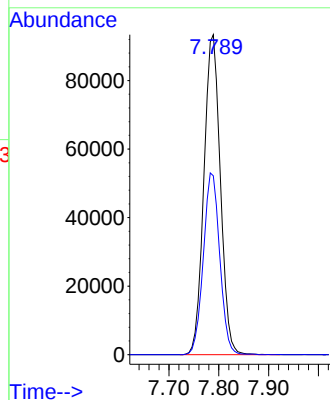
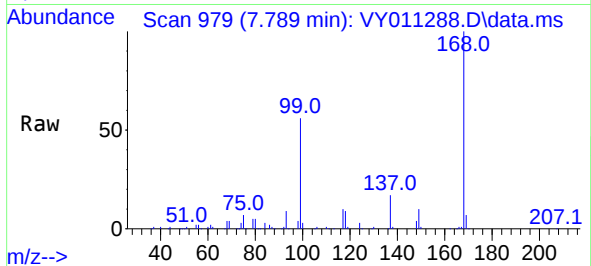




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

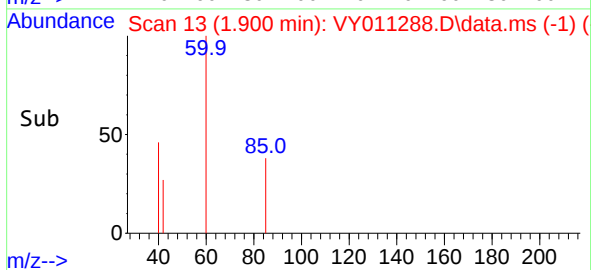
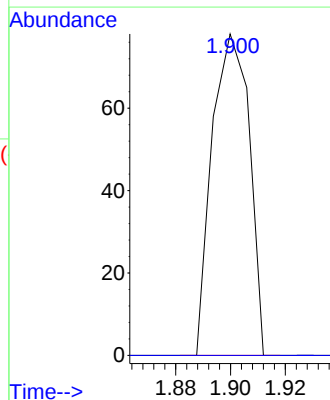
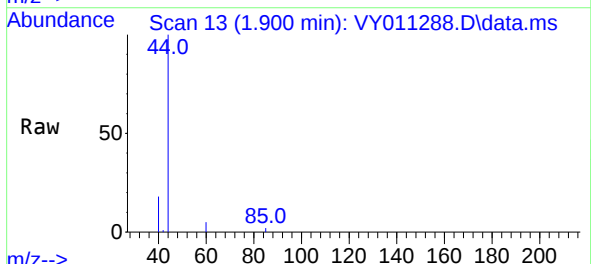
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

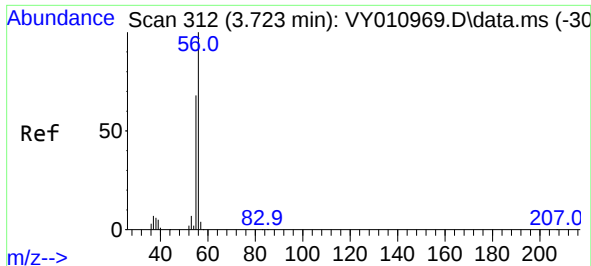
Tgt Ion:168 Resp: 214106
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 85 Resp: 74
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

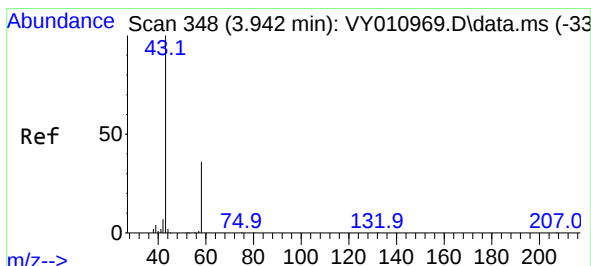
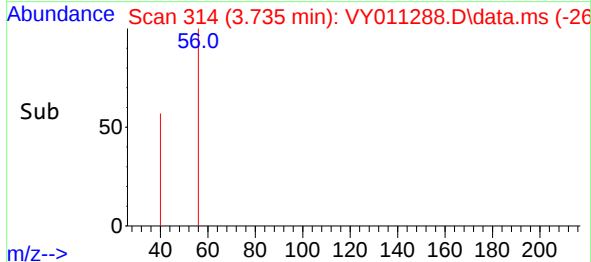
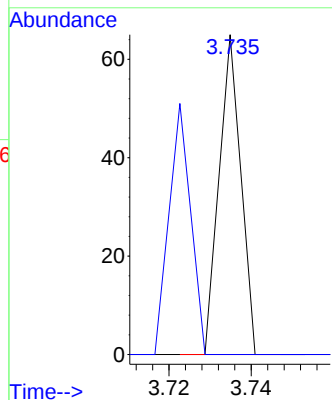
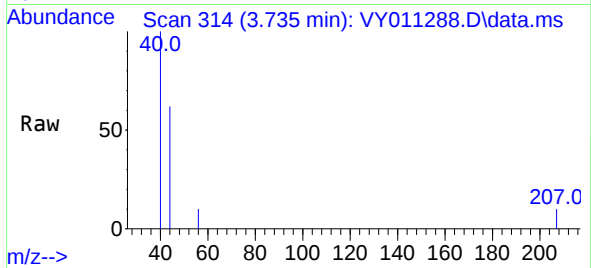




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 312
Delta R.T. 0.012 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

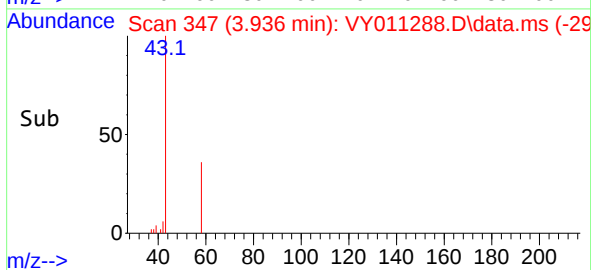
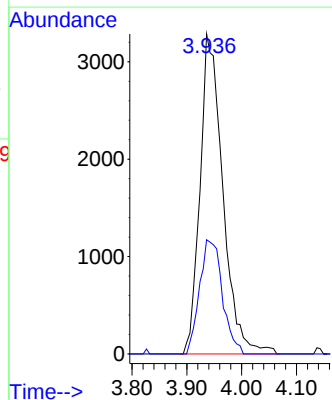
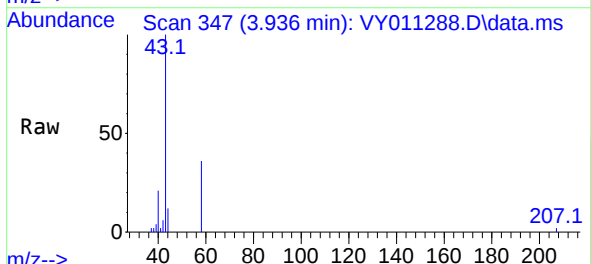
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

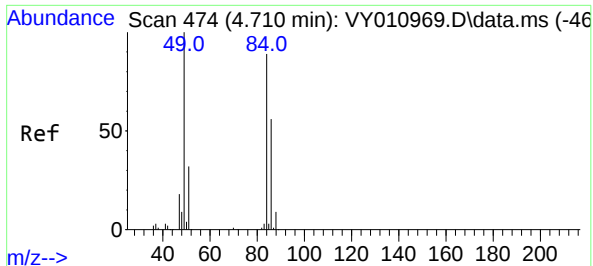
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 79.2 57.6 86.4



#16
Acetone
Concen: 13.721 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 43 Resp: 9484
Ion Ratio Lower Upper
43 100
58 35.7 22.0 33.0#

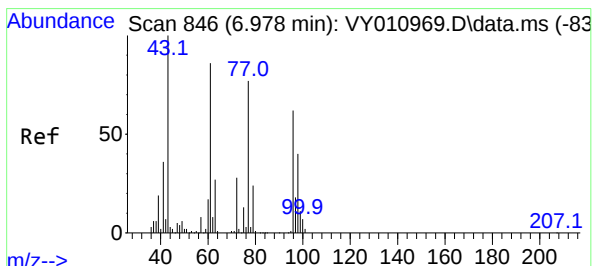
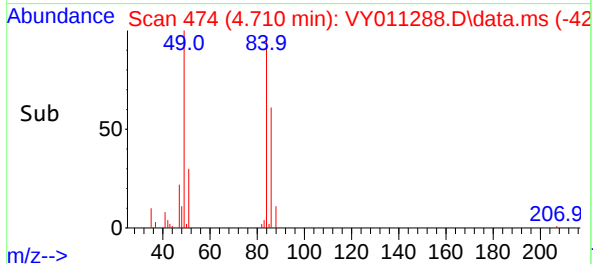
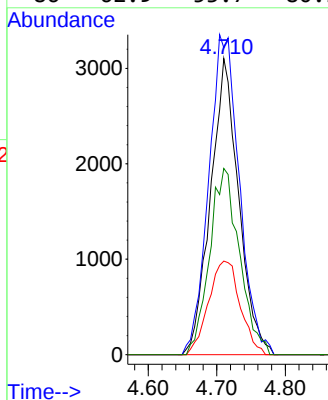
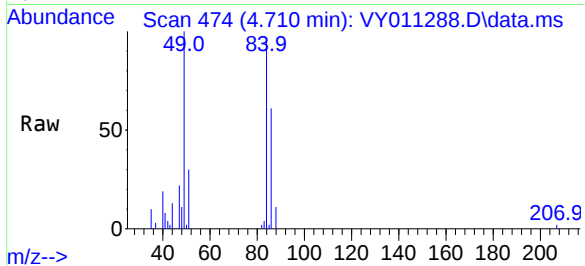




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

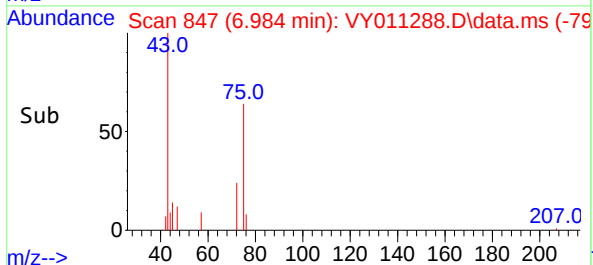
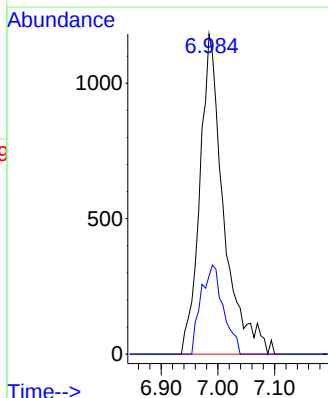
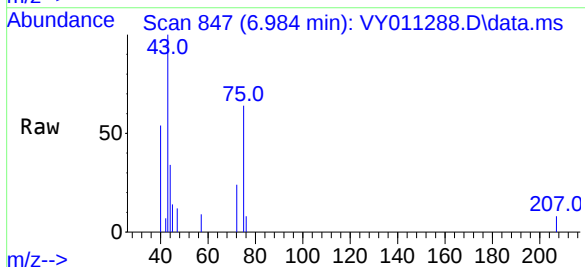
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

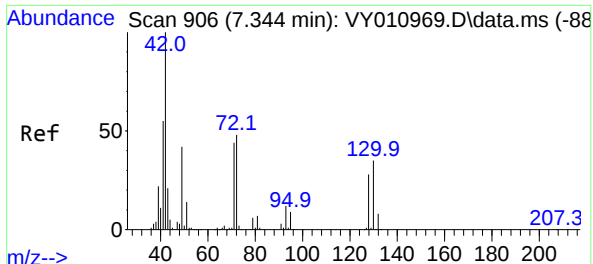
Tgt Ion: 84 Resp: 8849
Ion Ratio Lower Upper
84 100
49 103.7 114.4 171.6#
51 31.6 35.3 52.9#
86 62.9 53.7 80.5



#25
2-Butanone
Concen: 3.552 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 43 Resp: 3455
Ion Ratio Lower Upper
43 100
72 24.5 17.7 26.5





#29

Tetrahydrofuran

Concen: 1.538 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY011288.D

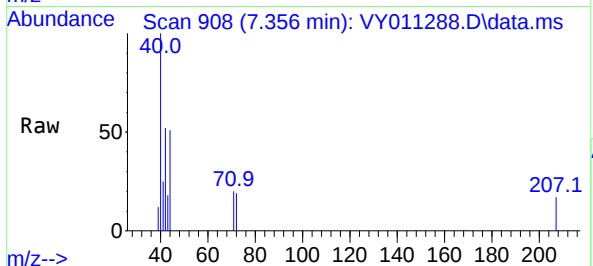
Acq: 03 Nov 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

S-11-103122RE



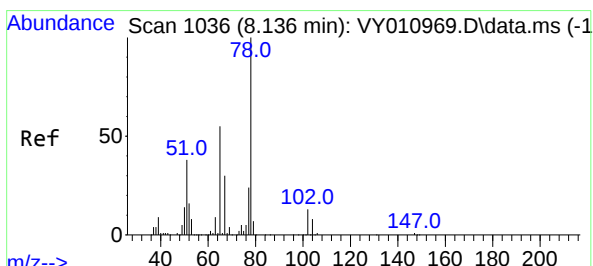
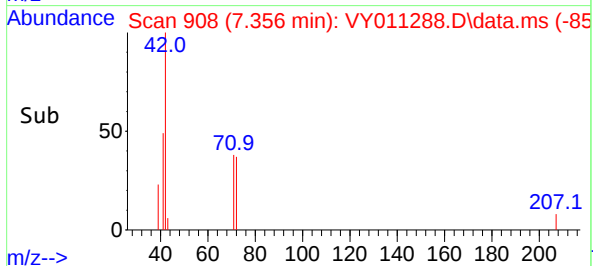
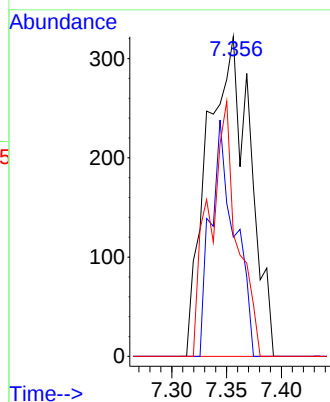
Tgt Ion: 42 Resp: 871

Ion Ratio Lower Upper

42 100

72 41.6 30.3 45.5

71 52.2 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 58.885 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY011288.D

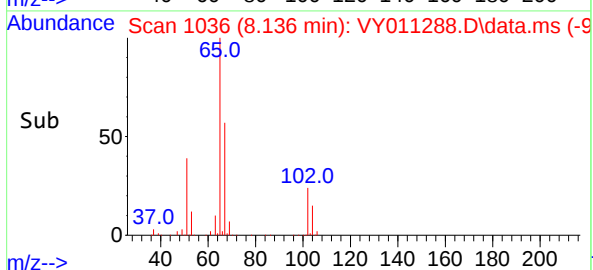
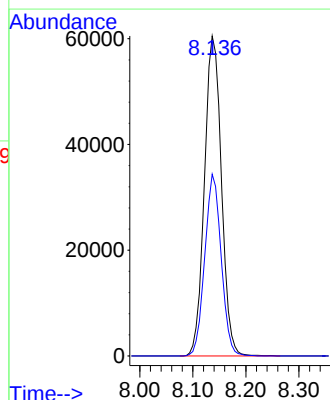
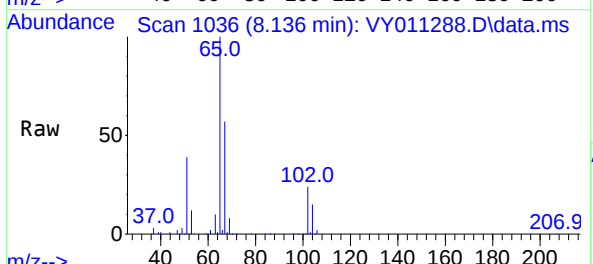
Acq: 03 Nov 2022 15:39

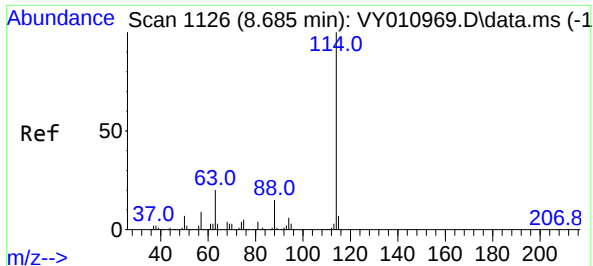
Tgt Ion: 65 Resp: 134840

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: VY011288.D

Acq: 03 Nov 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

S-11-103122RE

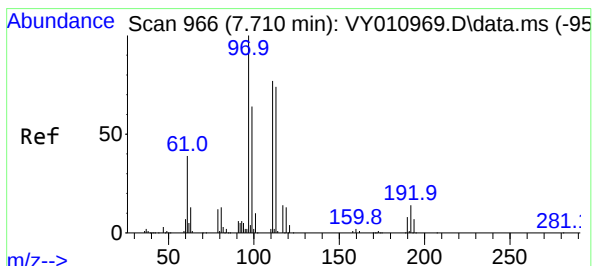
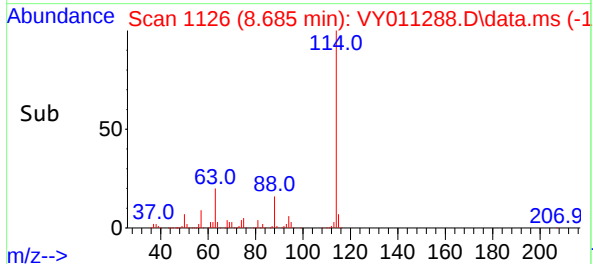
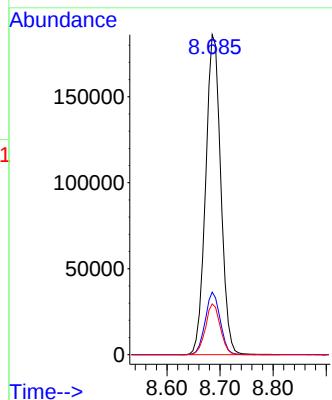
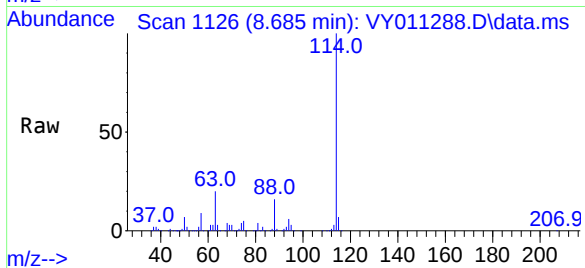
Tgt Ion:114 Resp: 368691

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.310 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011288.D

Acq: 03 Nov 2022 15:39

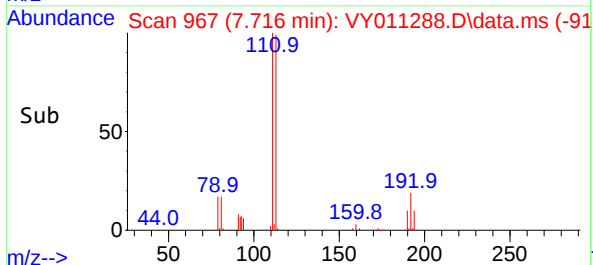
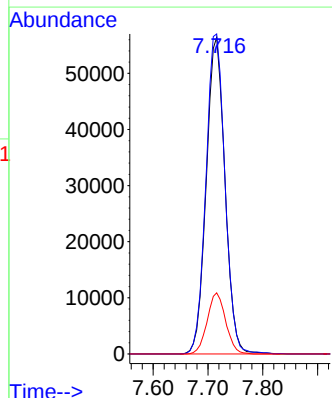
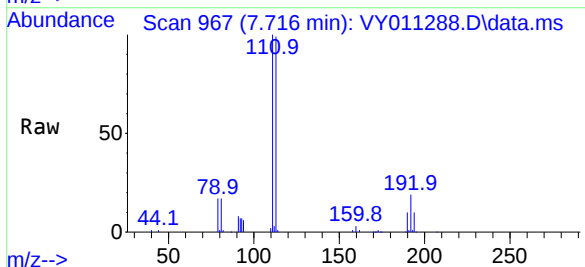
Tgt Ion:113 Resp: 133388

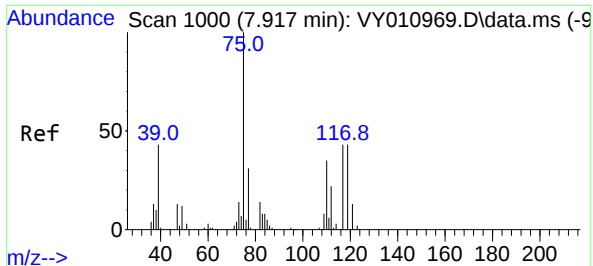
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011288.D

Acq: 03 Nov 2022 15:39

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ClientSampleId :

S-11-103122RE

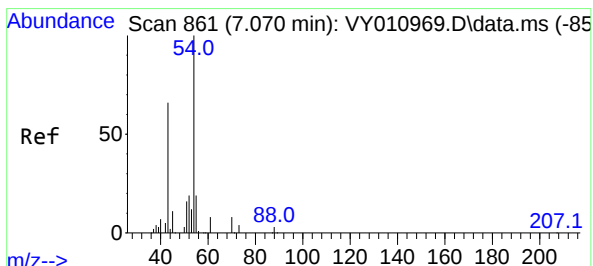
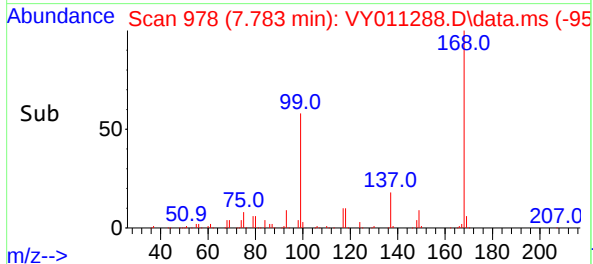
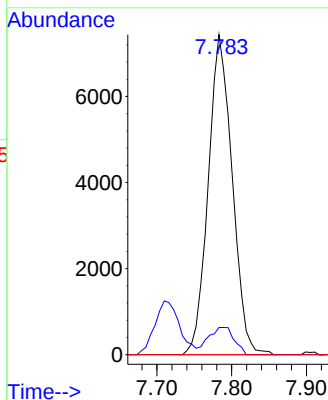
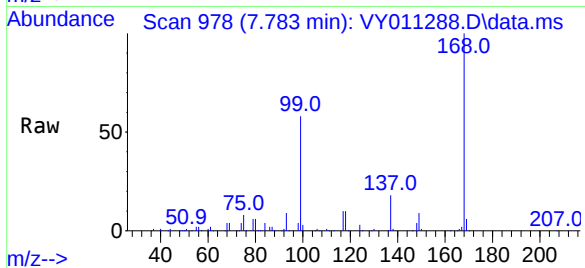
Tgt Ion: 75 Resp: 16587

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.657 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011288.D

Acq: 03 Nov 2022 15:39

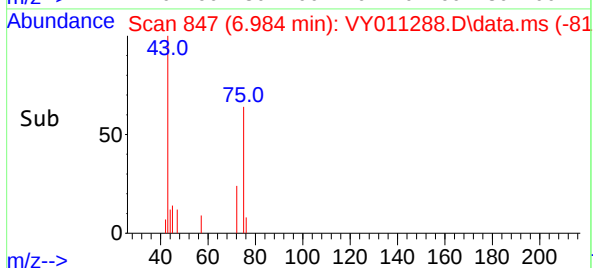
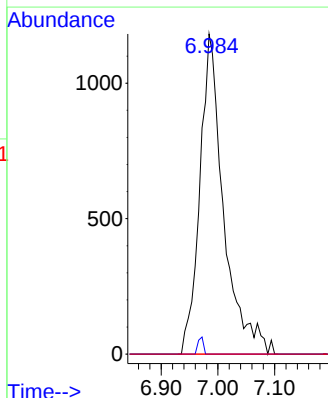
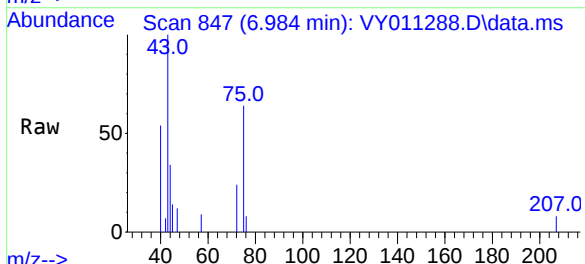
Tgt Ion: 43 Resp: 3455

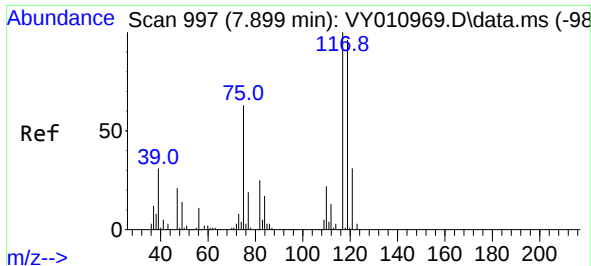
Ion Ratio Lower Upper

43 100

61 1.2 9.7 14.5#

70 0.0 7.1 10.7#

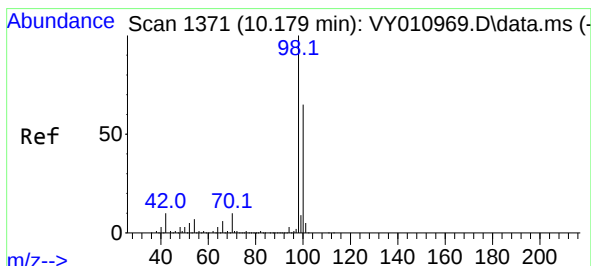
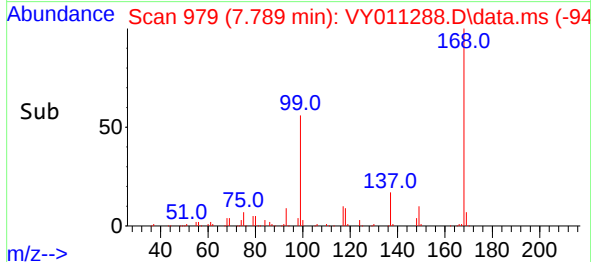
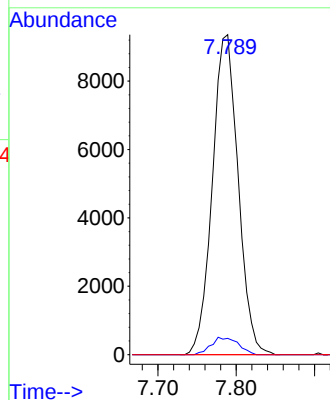
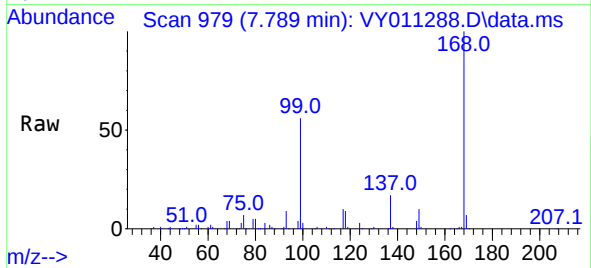




#38
Carbon Tetrachloride
Concen: 5.333 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

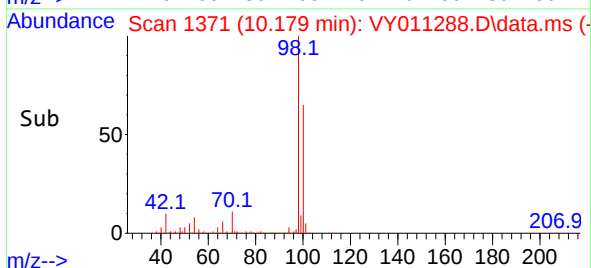
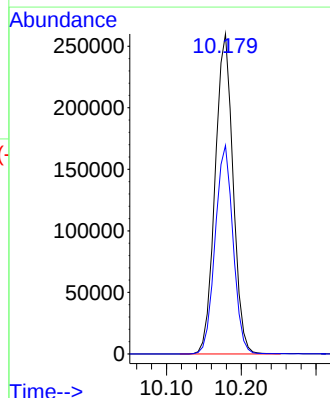
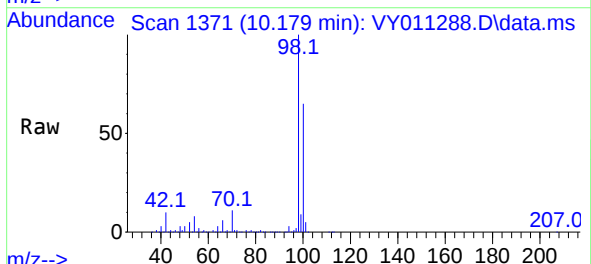
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

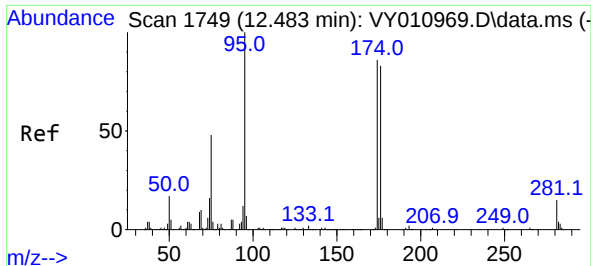
Tgt Ion:117 Resp: 21404
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.065 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 98 Resp: 432868
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

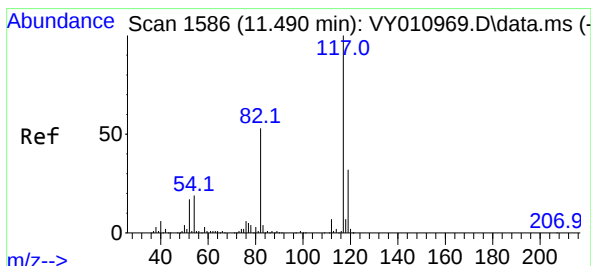
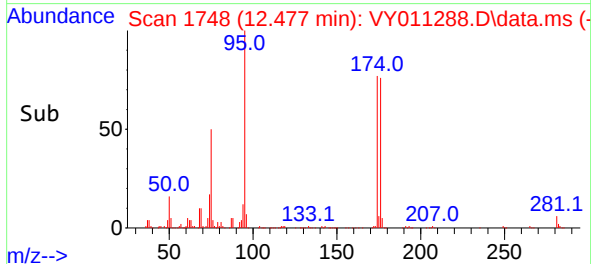
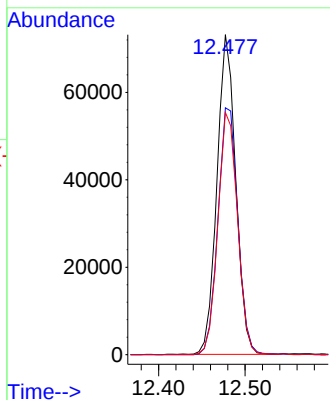
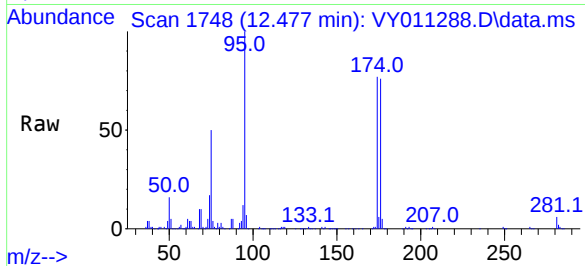




#62
4-Bromofluorobenzene
Concen: 34.498 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

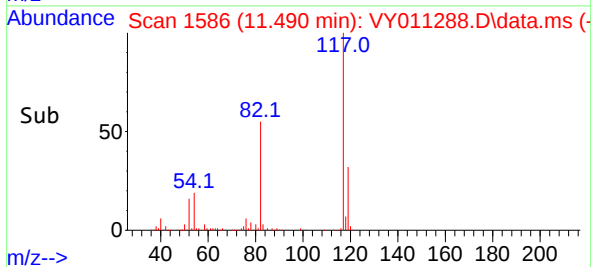
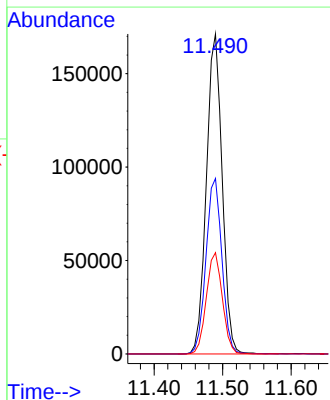
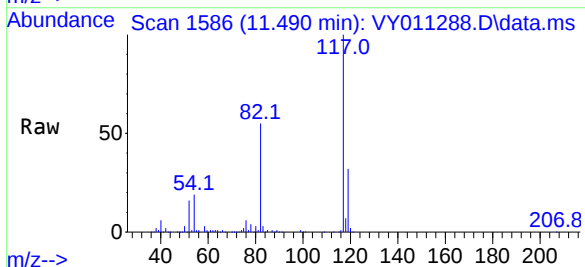
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

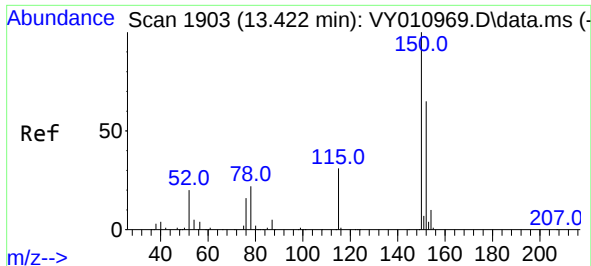
Tgt Ion: 95 Resp: 110149
Ion Ratio Lower Upper
95 100
174 81.9 0.0 177.0
176 78.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 117 Resp: 274560
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 31.6 25.4 38.0

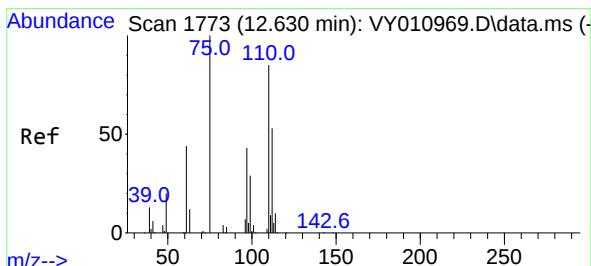
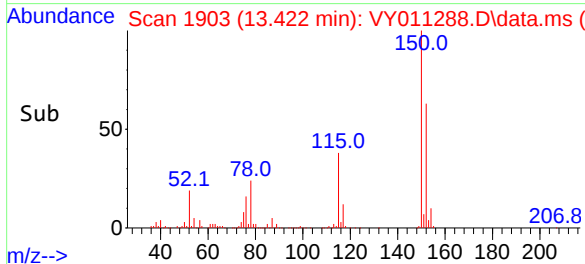
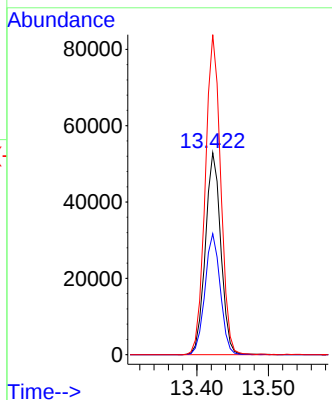
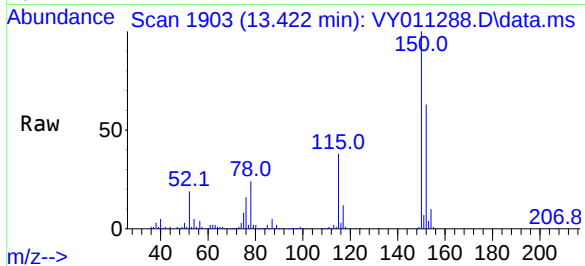




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

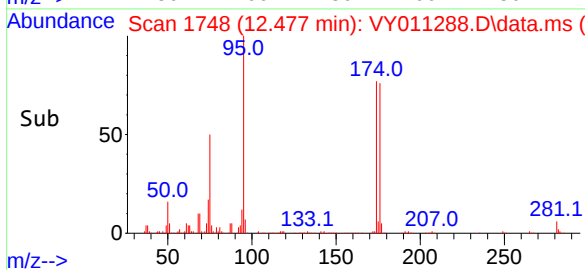
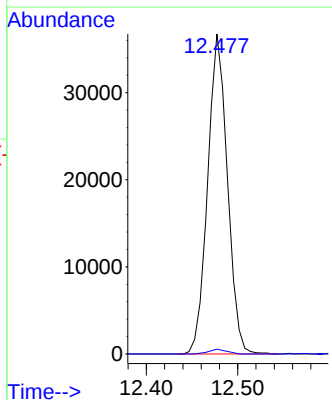
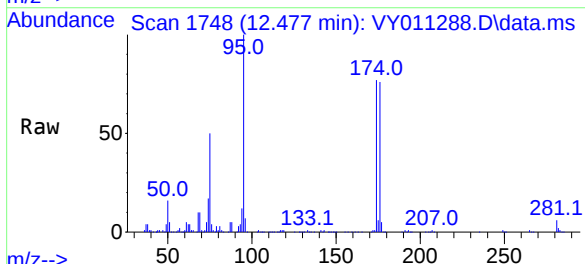
Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

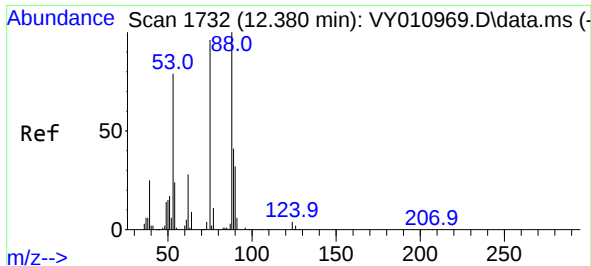
Tgt Ion:152 Resp: 79349
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.7
150 157.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 56.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion: 75 Resp: 55027
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

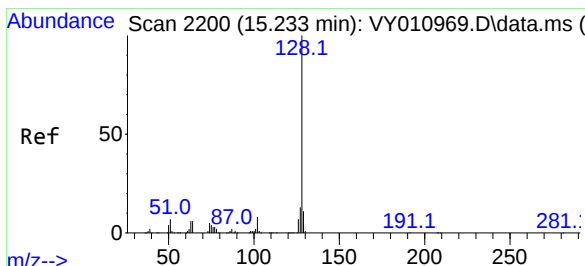
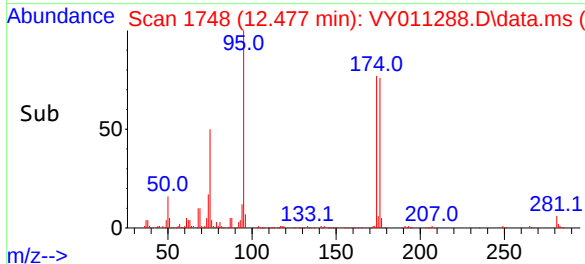
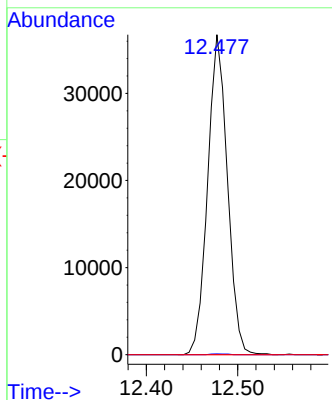
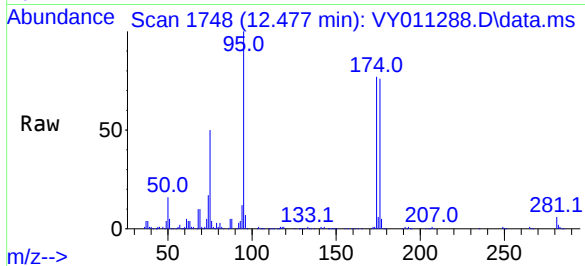




#81
trans-1,4-Dichloro-2-butene
Concen: 121.909 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :
S-11-103122RE

Tgt Ion: 75 Resp: 55027
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.271 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011288.D
Acq: 03 Nov 2022 15:39

Tgt Ion:128 Resp: 1158
Ion Ratio Lower Upper
128 100
127 11.6 11.0 16.4
129 9.3 8.4 12.6

