

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011509.D
 Acq On : 18 Nov 2022 18:11
 Operator : KP/MD
 Sample : N5698-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:42:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

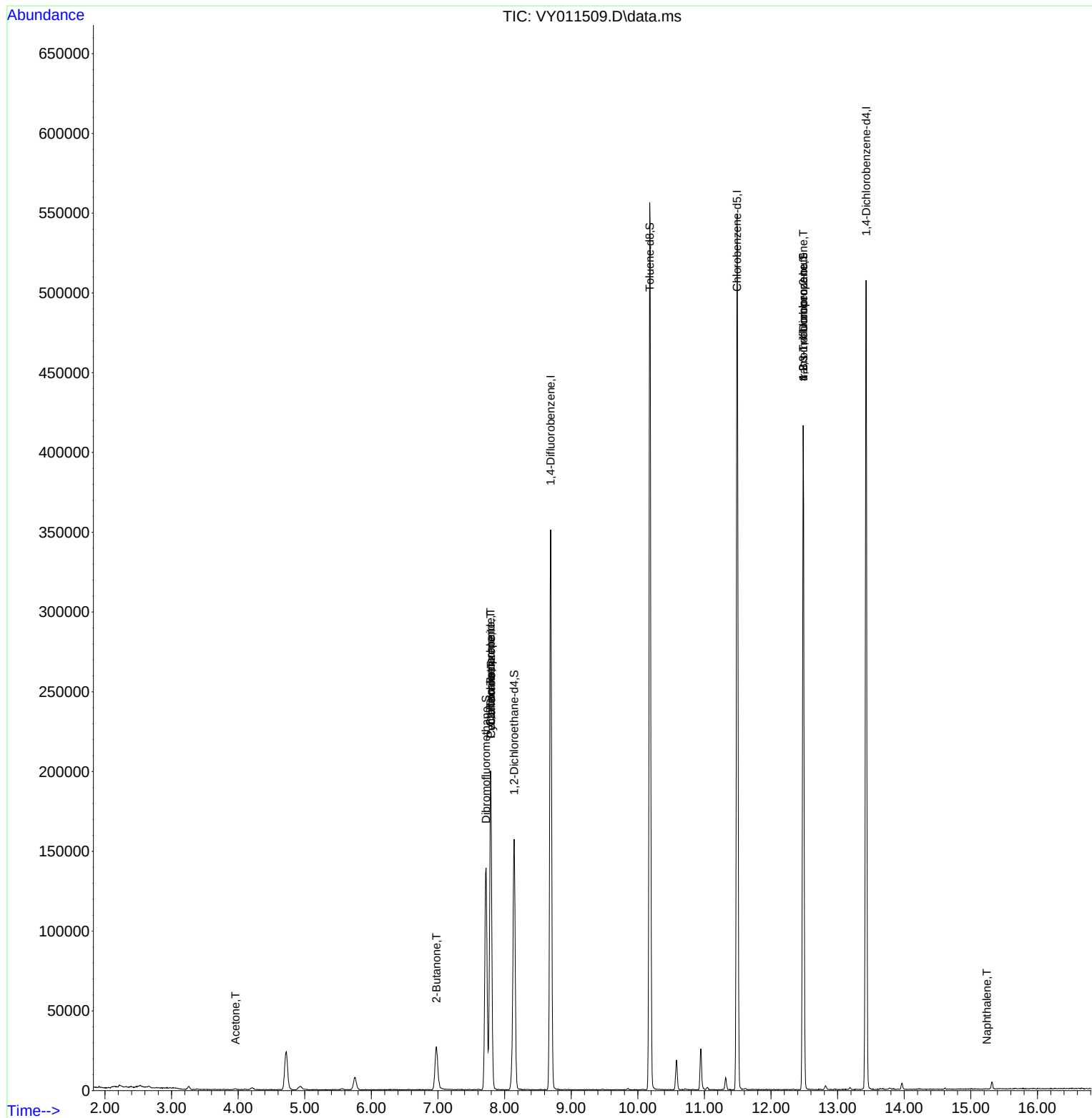
Internal Standards						
1) Pentafluorobenzene	7.795	168	150835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	293032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	291059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	118149	77.142	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.280%	
35) Dibromofluoromethane	7.722	113	98626	54.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.340%	
50) Toluene-d8	10.179	98	359320	54.815	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.620%	
62) 4-Bromofluorobenzene	12.483	95	118277	48.801	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	358	Below Cal		85
3) Chloromethane	2.113	50	341	Below Cal		95
5) Bromomethane	2.680	94	297	Below Cal	#	41
11) Tert butyl alcohol	4.930	59	1453	Below Cal	#	77
16) Acetone	3.960	43	1102	2.215	ug/l	92
18) Methyl Acetate	4.479	43	110	Below Cal	#	56
20) Methylene Chloride	4.722	84	18017	Below Cal		88
25) 2-Butanone	6.978	43	1567	2.397	ug/l	# 87
31) Cyclohexane	7.795	56	3305	1.302	ug/l	# 10
36) 1,1-Dichloropropene	7.789	75	12325	4.371	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	15766	4.998	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	63367	46.259	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	63367	101.322	ug/l	# 7
95) Naphthalene	15.239	128	130	4.047	ug/l	# 69

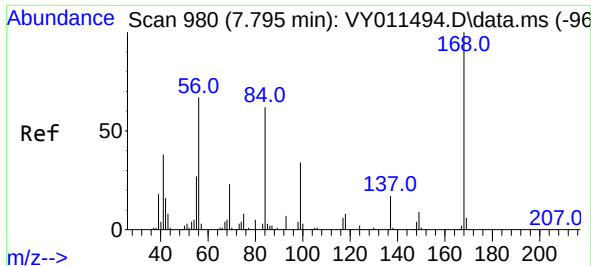
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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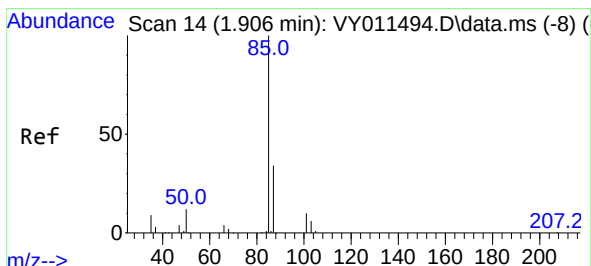
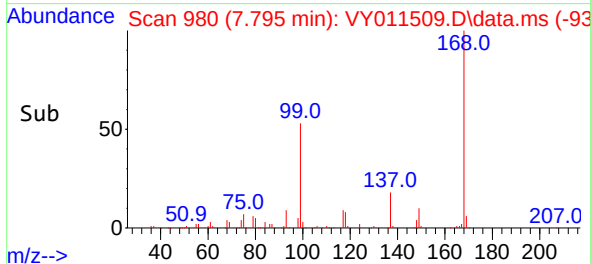
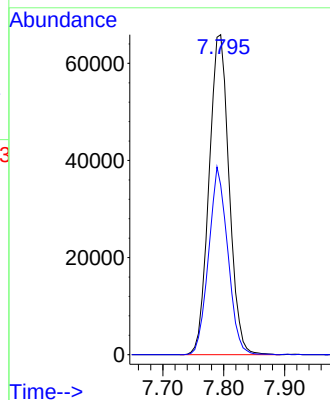
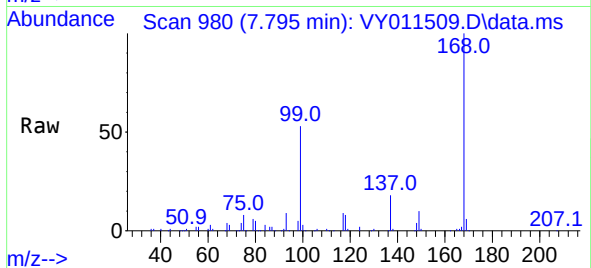




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

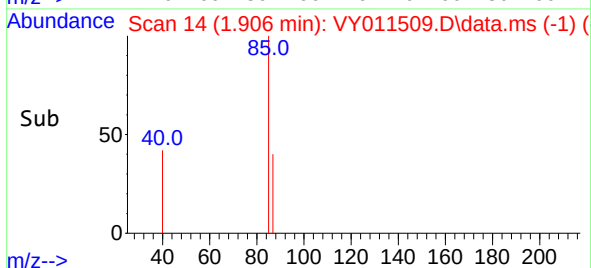
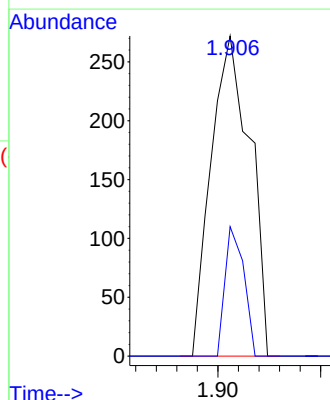
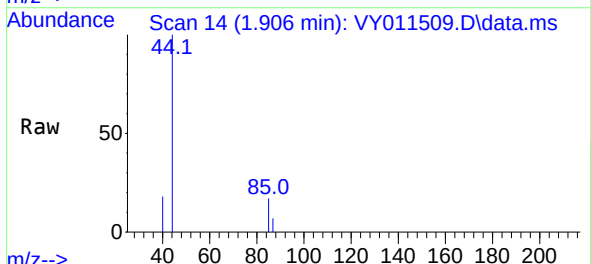
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 150835
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3

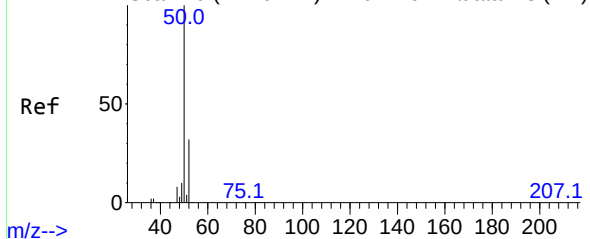


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Tgt Ion: 85 Resp: 358
Ion Ratio Lower Upper
85 100
87 40.4 16.1 48.2



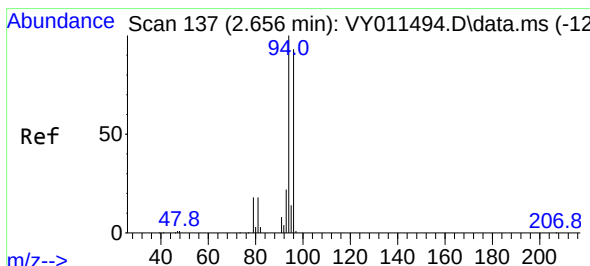
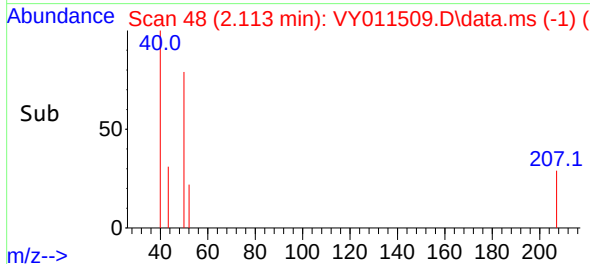
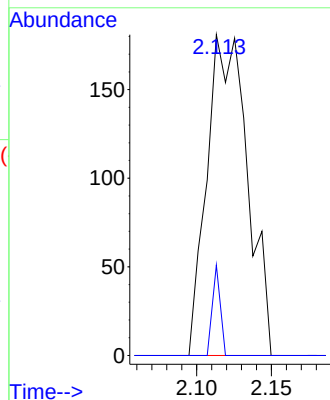
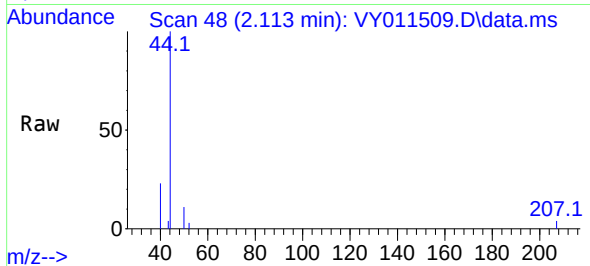
Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

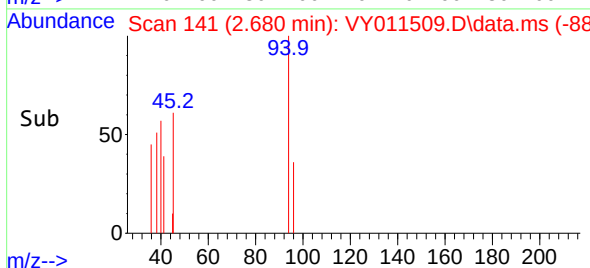
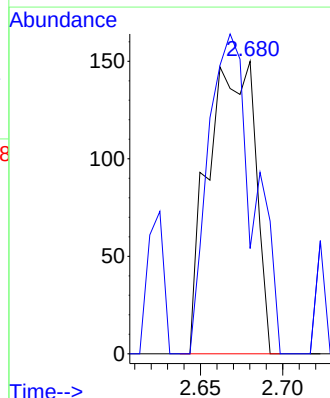
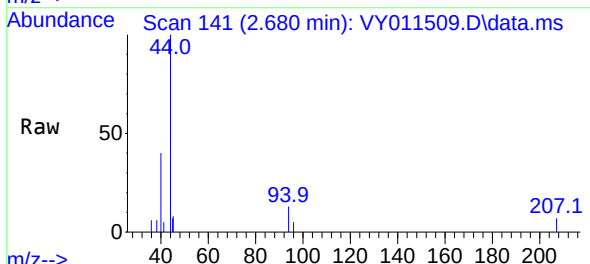
Instrument :
MSVOA_Y
ClientSampleId :

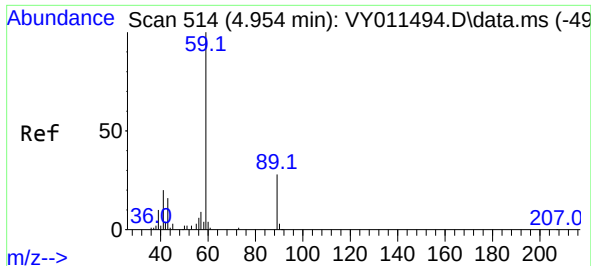
Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 28.2 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

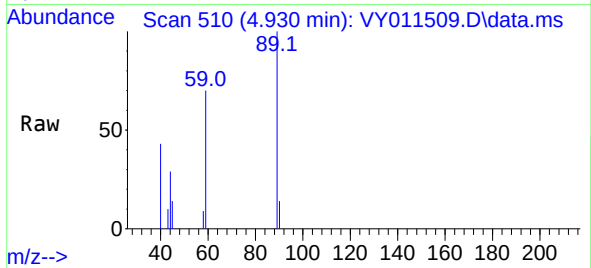
Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 36.0 73.5 110.3#



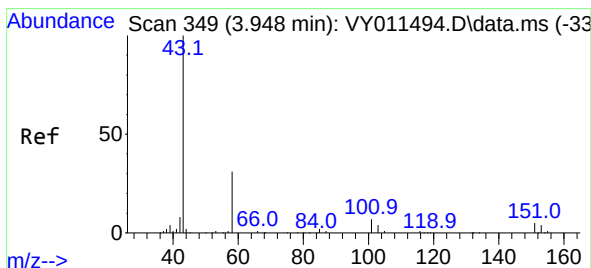
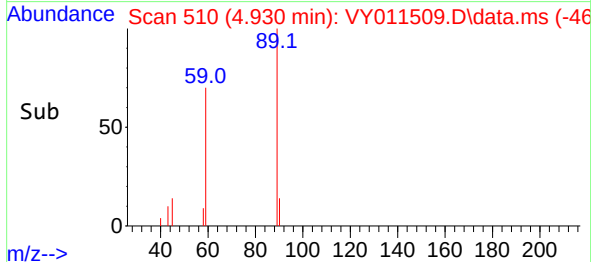
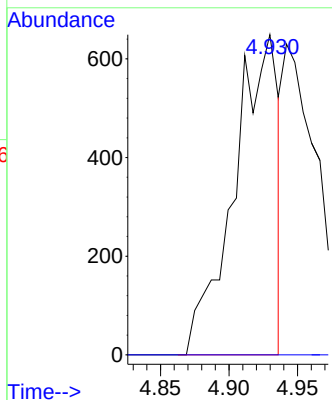


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 51
Delta R.T. -0.024 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

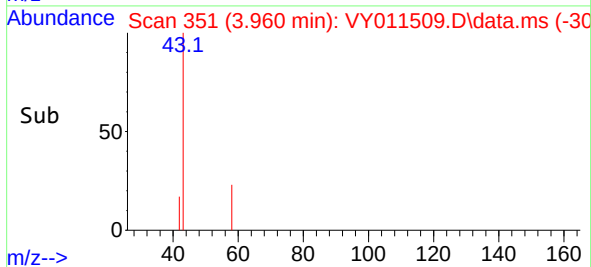
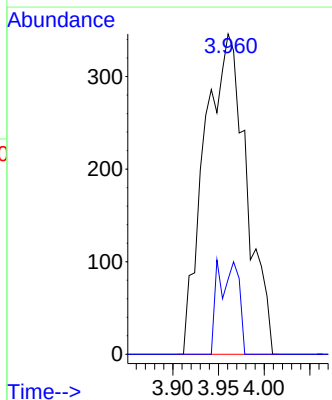
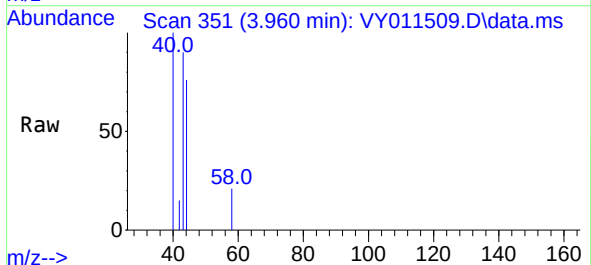


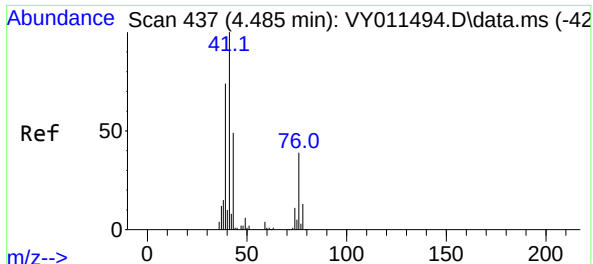
Tgt Ion: 59 Resp: 1453
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.215 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
58 23.4 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011509.D

Acq: 18 Nov 2022 18:11

Instrument :

MSVOA_Y

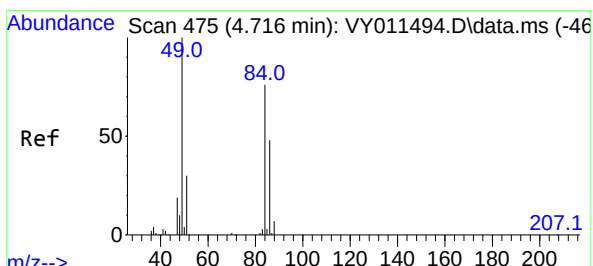
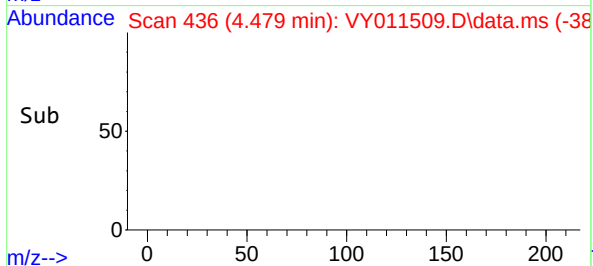
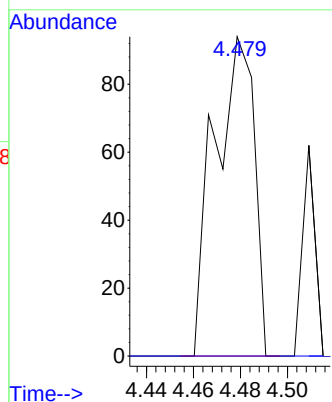
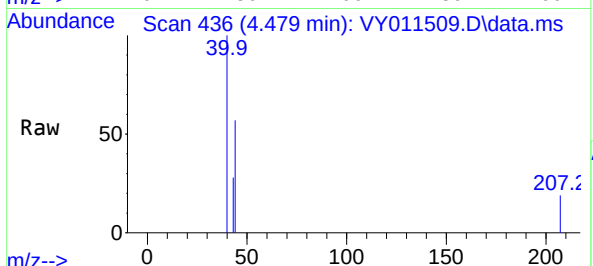
ClientSampleId :

Tgt Ion: 43 Resp: 110

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011509.D

Acq: 18 Nov 2022 18:11

Tgt Ion: 84 Resp: 18017

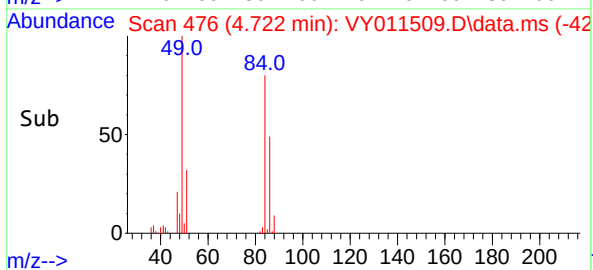
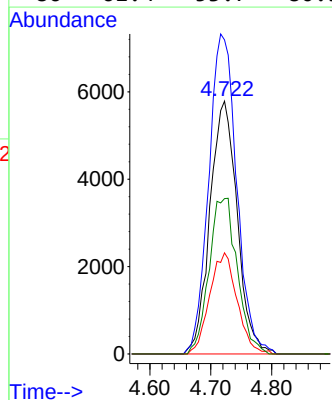
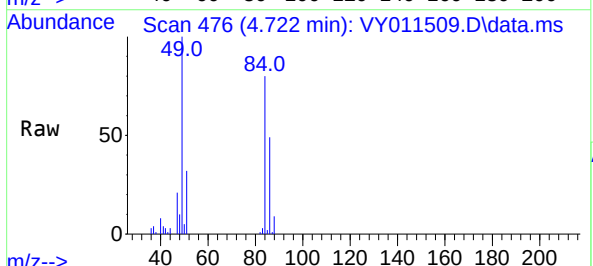
Ion Ratio Lower Upper

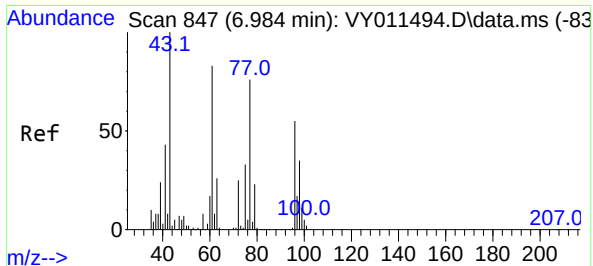
84 100

49 124.3 114.4 171.6

51 40.0 35.3 52.9

86 61.4 53.7 80.5





#25

2-Butanone

Concen: 2.397 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011509.D

Acq: 18 Nov 2022 18:11

Instrument :

MSVOA_Y

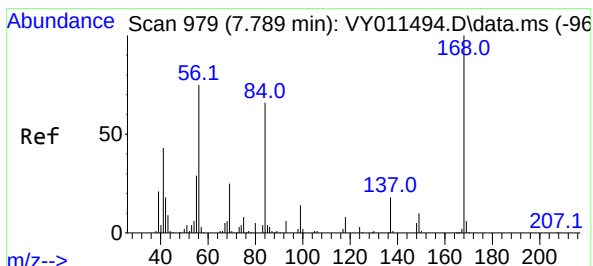
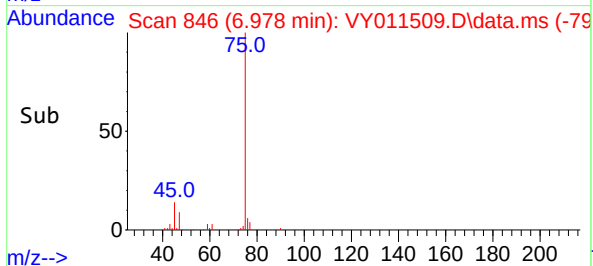
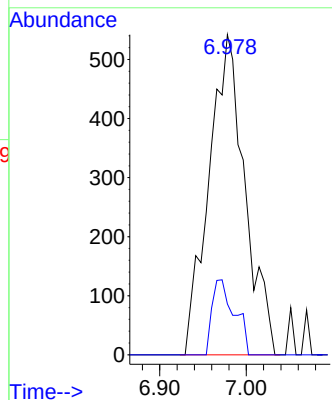
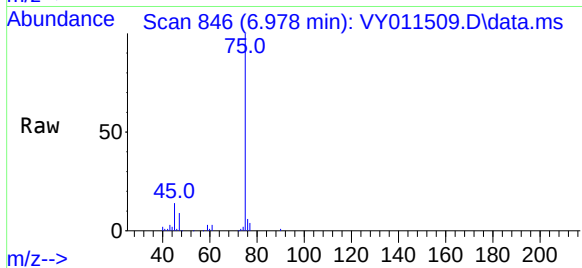
ClientSampleId :

Tgt Ion: 43 Resp: 1567

Ion Ratio Lower Upper

43 100

72 15.9 17.7 26.5#



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011509.D

Acq: 18 Nov 2022 18:11

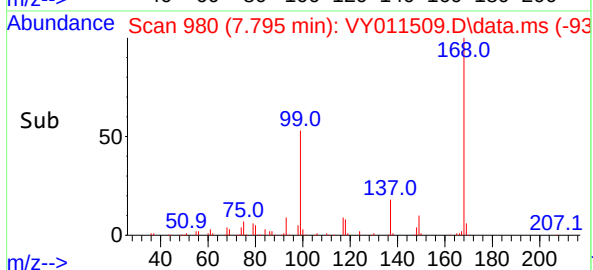
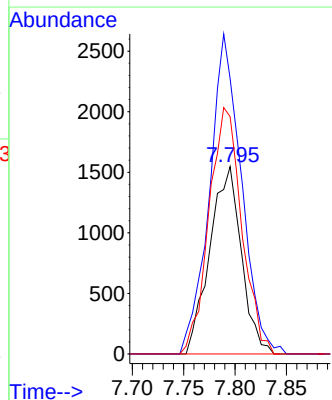
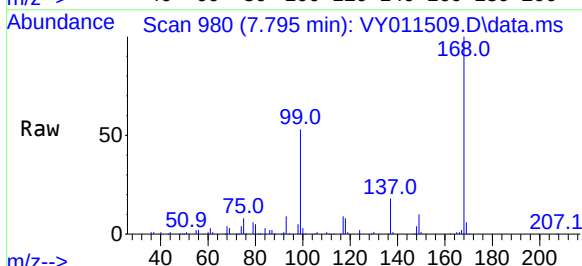
Tgt Ion: 56 Resp: 3305

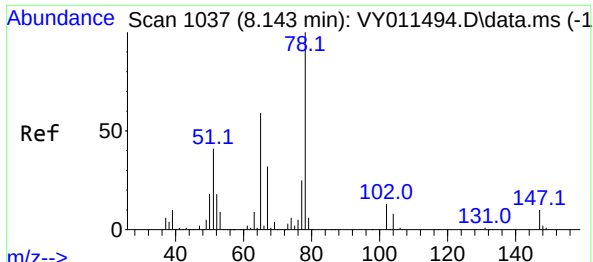
Ion Ratio Lower Upper

56 100

69 146.9 26.7 40.1#

84 126.6 67.2 100.8#

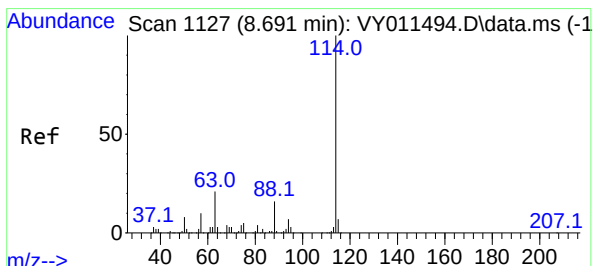
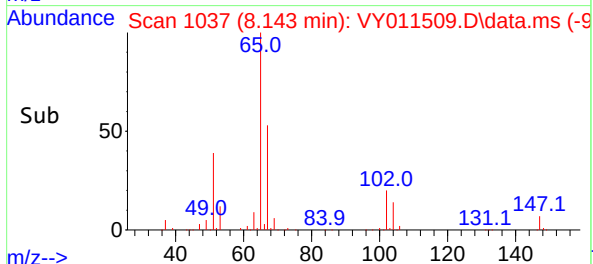
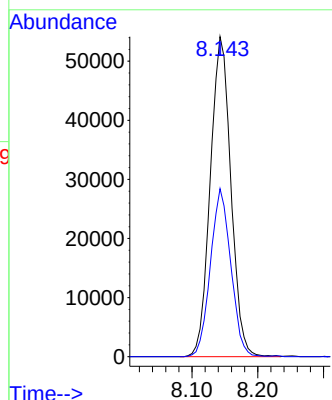
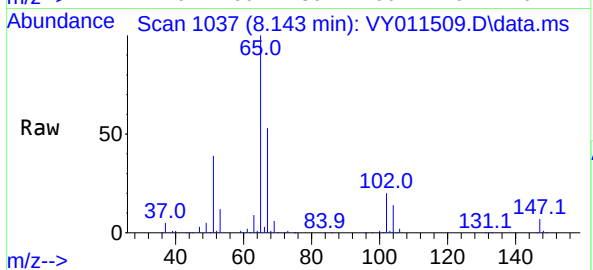




#33
1,2-Dichloroethane-d4
Concen: 77.142 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

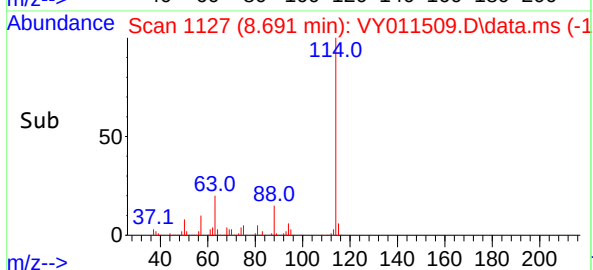
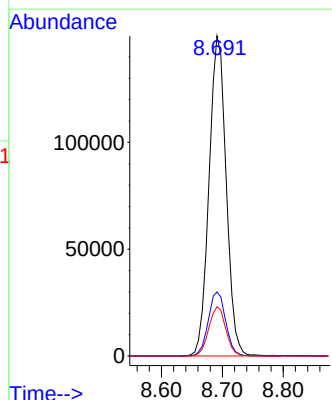
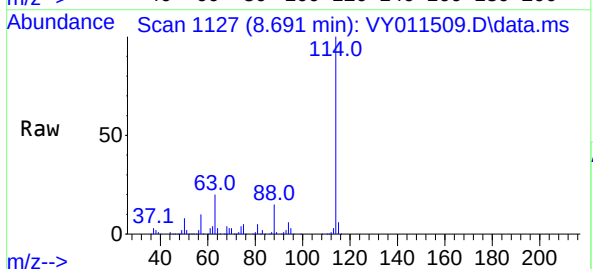
Instrument :
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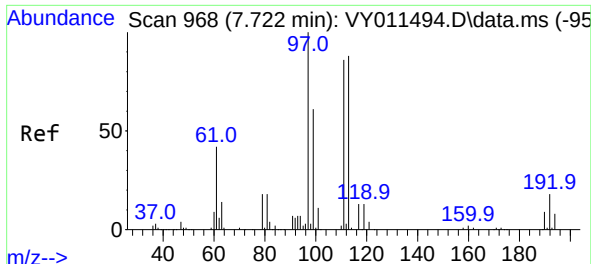
Tgt Ion: 65 Resp: 118149
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

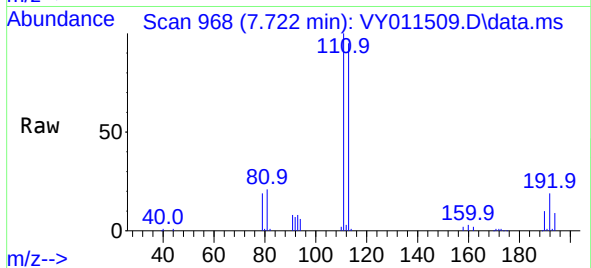
Tgt Ion:114 Resp: 293032
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.2
88 15.4 0.0 31.8



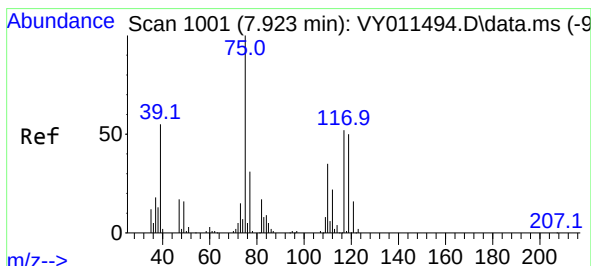
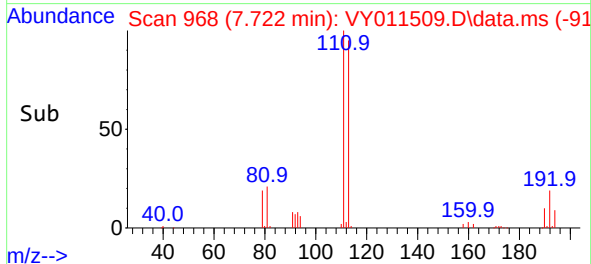
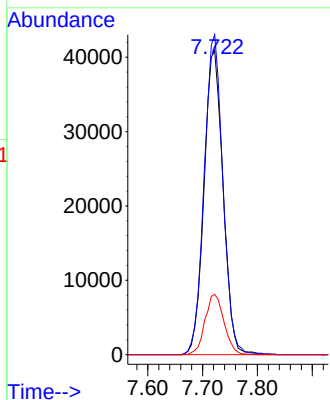


#35
Dibromofluoromethane
Concen: 54.674 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

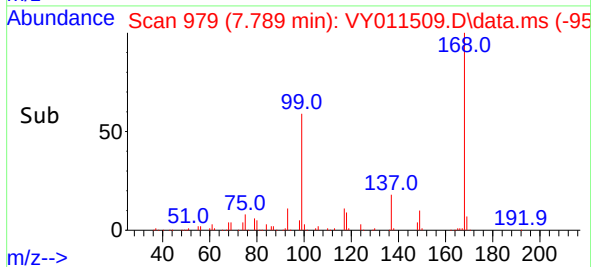
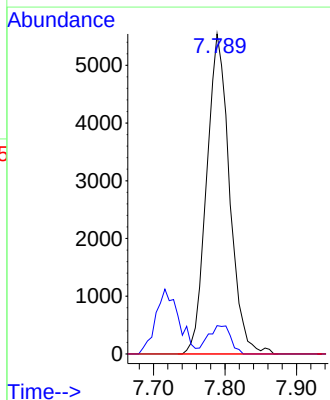
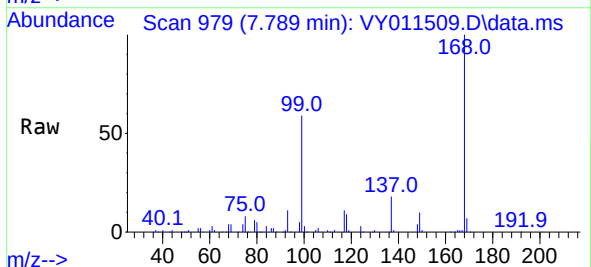


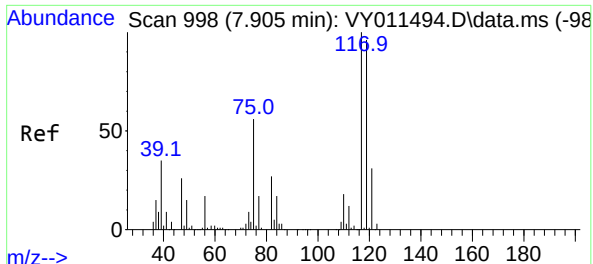
Tgt Ion:113 Resp: 98626
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.371 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

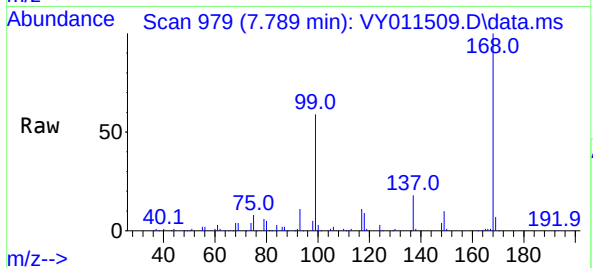
Tgt Ion: 75 Resp: 12325
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



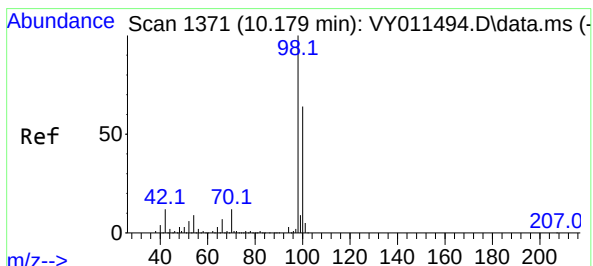
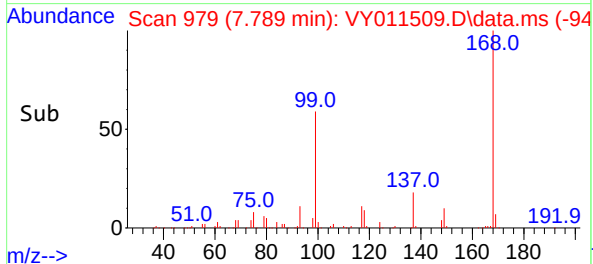
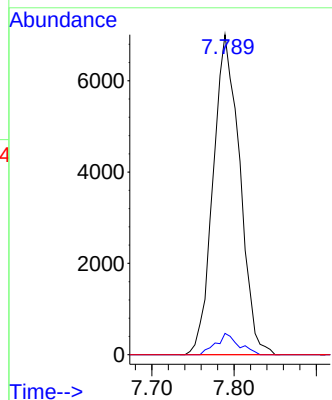


#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

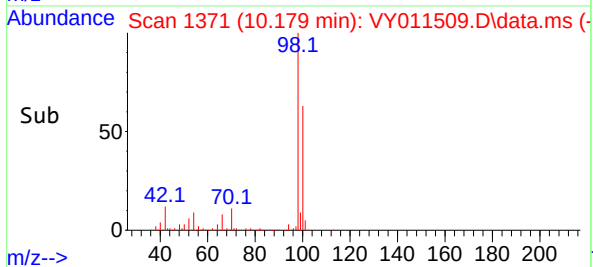
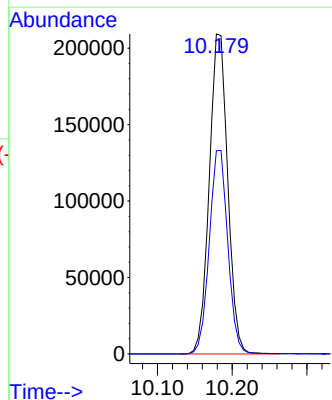
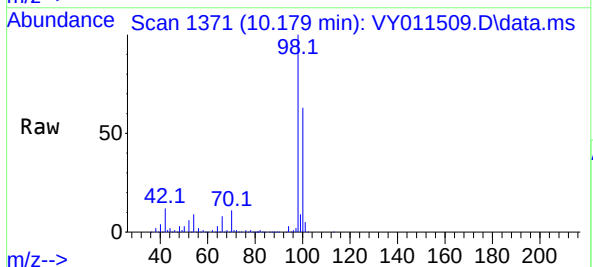


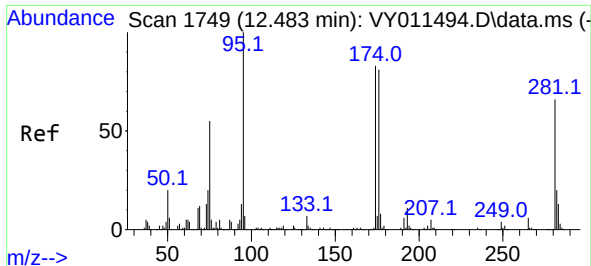
Tgt Ion:117 Resp: 15766
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.815 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Tgt Ion: 98 Resp: 359320
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

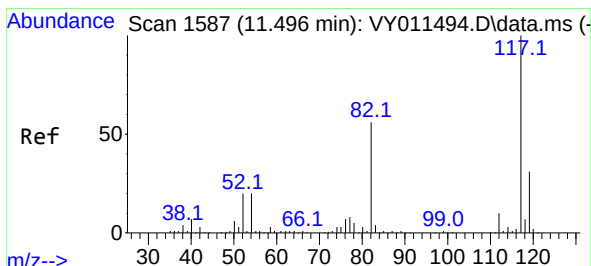
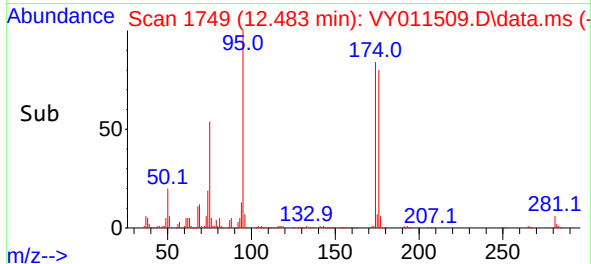
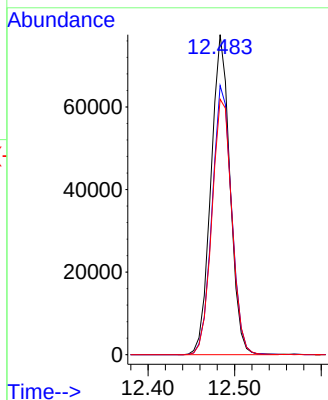
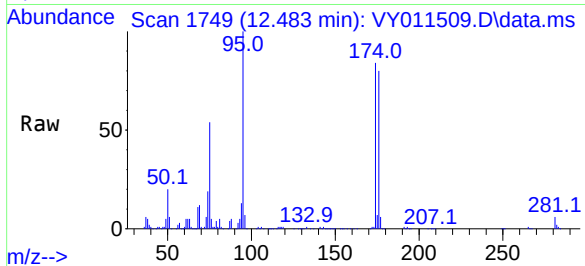




#62
4-Bromofluorobenzene
Concen: 48.801 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

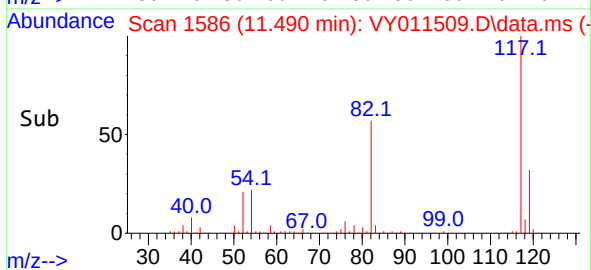
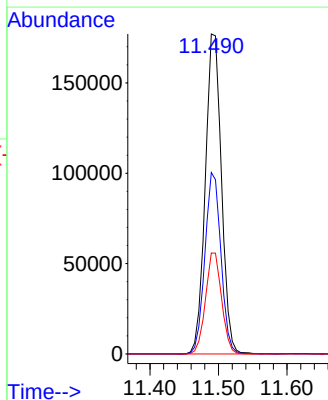
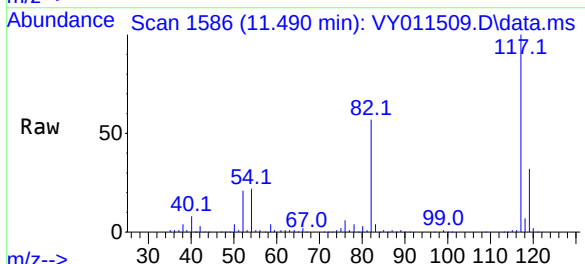
Instrument :
MSVOA_Y
ClientSampleId :

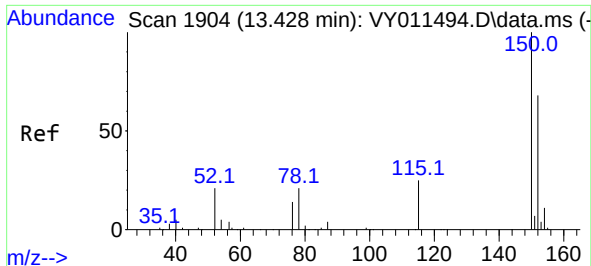
Tgt Ion: 95 Resp: 118277
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Tgt Ion: 117 Resp: 291059
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.4
119 31.6 25.4 38.0

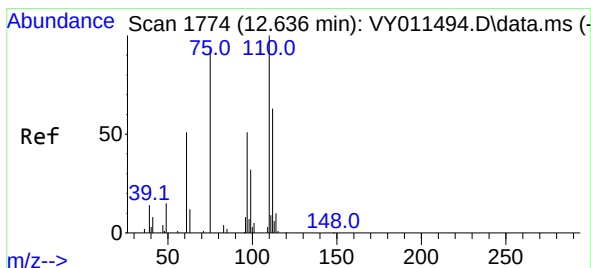
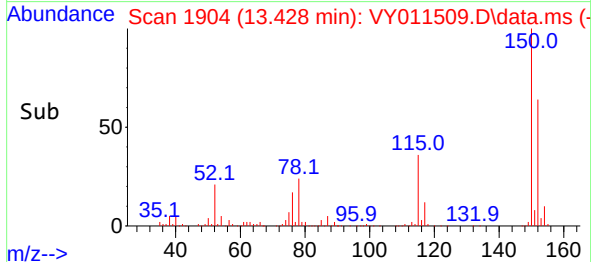
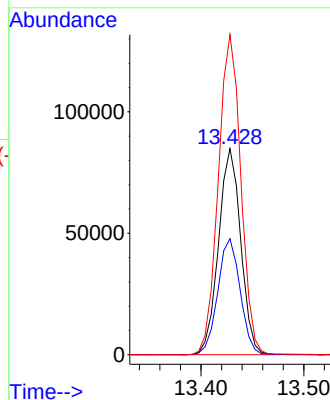
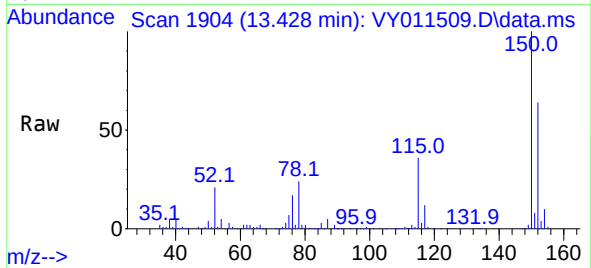




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011509.D
 Acq: 18 Nov 2022 18:11

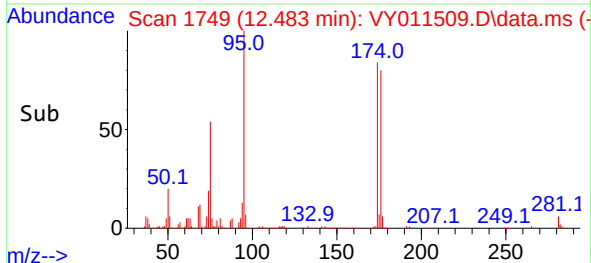
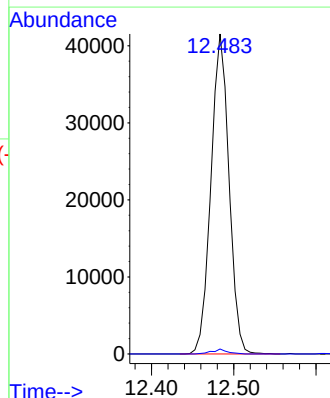
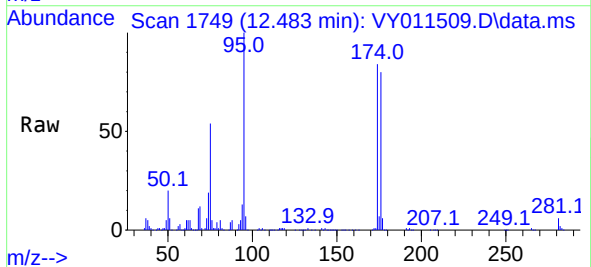
Instrument :
 MSVOA_Y
 ClientSampleId :

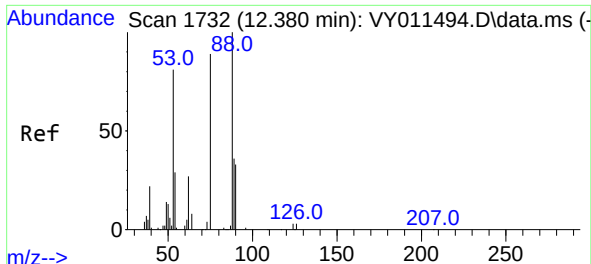
Tgt Ion:152 Resp: 127198
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.2 84.7
 150 157.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.259 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011509.D
 Acq: 18 Nov 2022 18:11

Tgt Ion: 75 Resp: 63367
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

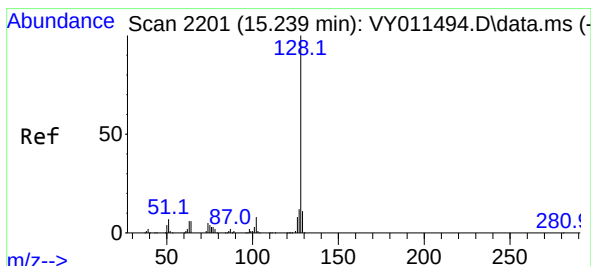
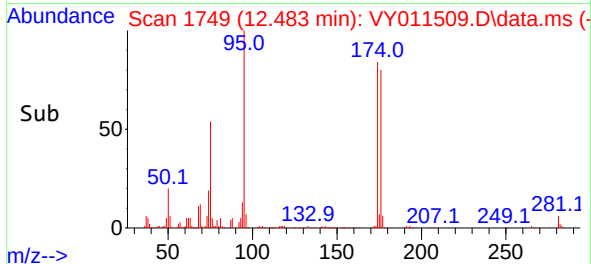
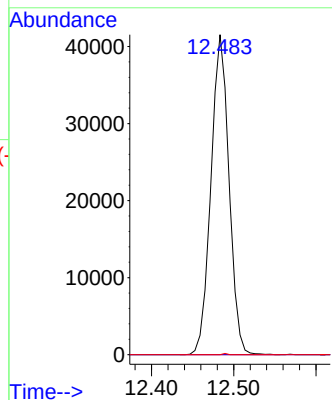
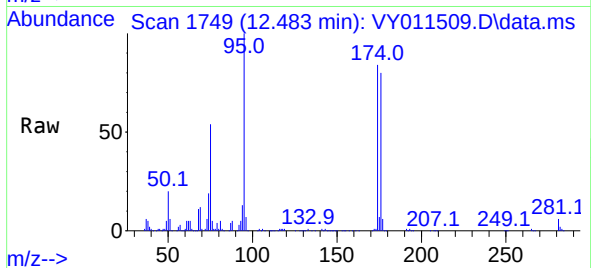




#81
trans-1,4-Dichloro-2-butene
Concen: 101.322 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63367
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.047 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011509.D
Acq: 18 Nov 2022 18:11

Tgt Ion:128 Resp: 130
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

