

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011534.D
 Acq On : 21 Nov 2022 19:08
 Operator : KP/MD
 Sample : N5718-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 01:47:31 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)

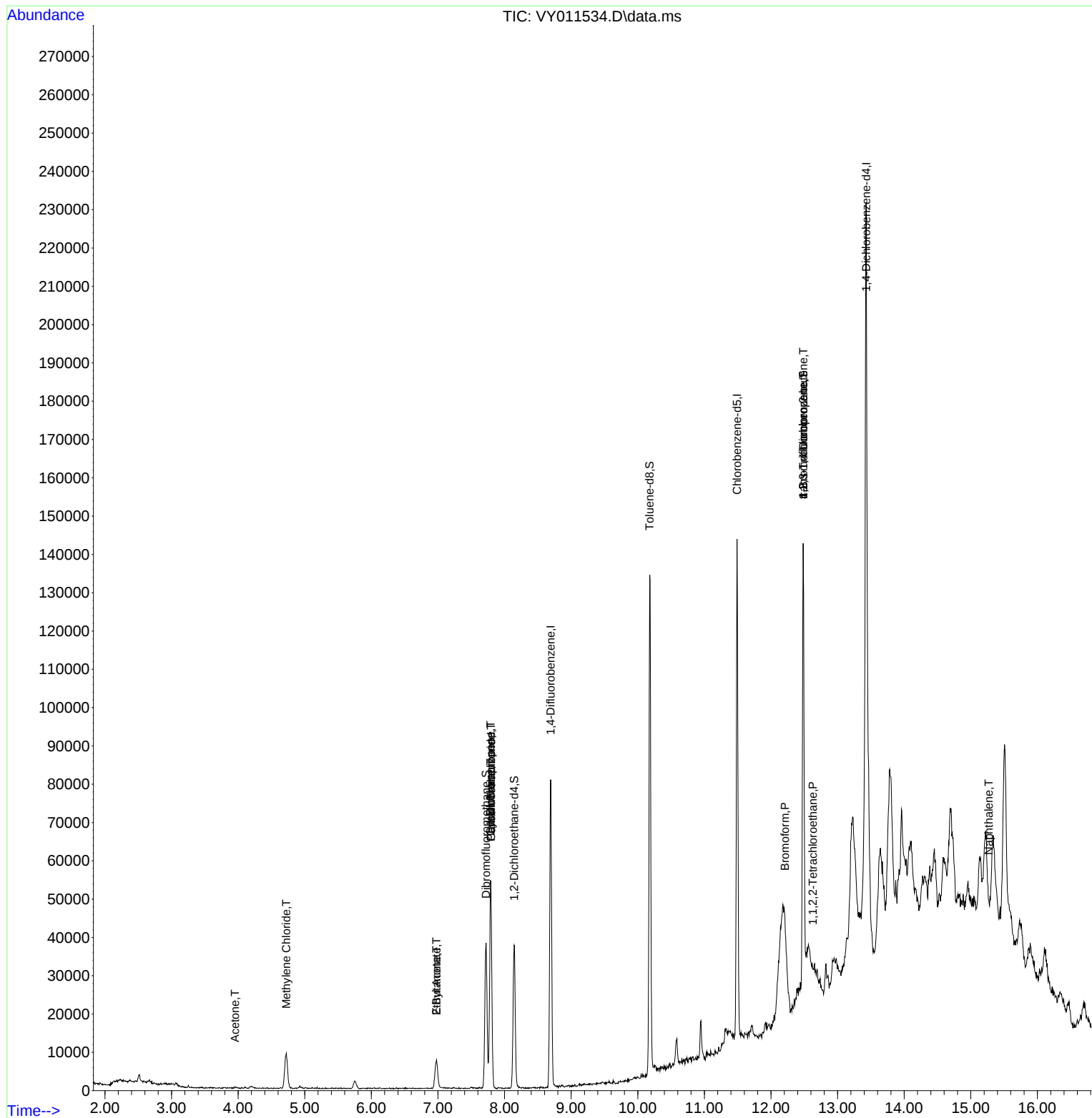
Internal Standards						
1) Pentafluorobenzene	7.795	168	40852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	66791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	67499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	29643	71.462	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.920%			
35) Dibromofluoromethane	7.722	113	26574	64.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.260%			
50) Toluene-d8	10.179	98	87485	58.553	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.100%			
62) 4-Bromofluorobenzene	12.483	95	34052	61.641	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.280%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	233	Below Cal	#	44
5) Bromomethane	2.674	94	189	Below Cal	#	74
11) Tert butyl alcohol	4.918	59	283	Below Cal	#	77
16) Acetone	3.954	43	571	4.238	ug/l	92
18) Methyl Acetate	4.491	43	45	Below Cal	#	56
20) Methylene Chloride	4.723	84	6753	3.292	ug/l	87
25) 2-Butanone	6.978	43	439	2.479	ug/l	54
31) Cyclohexane	7.789	56	1035	1.505	ug/l	37
36) 1,1-Dichloropropene	7.789	75	3211	4.996	ug/l	52
37) Ethyl Acetate	6.978	43	439	1.200	ug/l	1
38) Carbon Tetrachloride	7.795	117	4377	6.087	ug/l	14
71) Bromoform	12.209	173	392	1.203	ug/l	56
75) 1,1,2,2-Tetrachloroethane	12.630	83	468	1.055	ug/l	58
76) 1,2,3-Trichloropropane	12.483	75	17496	52.217	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	17496	114.372	ug/l	8
95) Naphthalene	15.269	128	158	4.152	ug/l	1

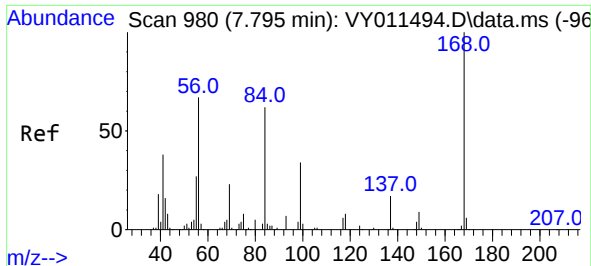
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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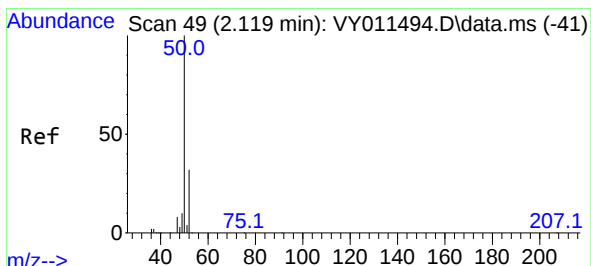
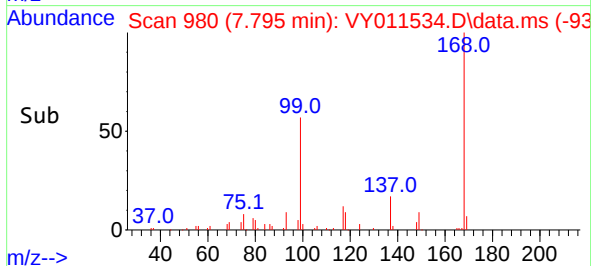
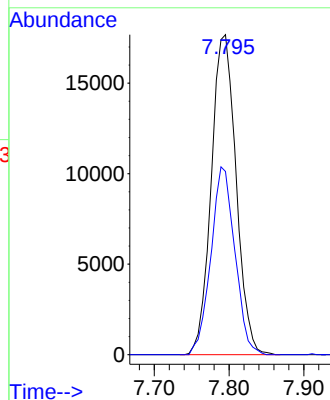
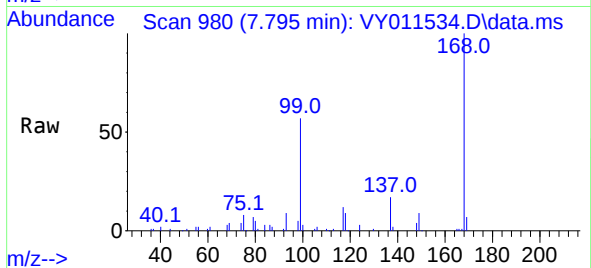




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

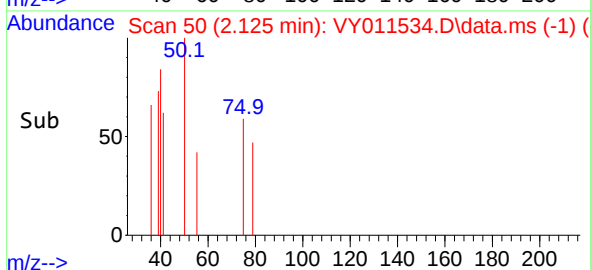
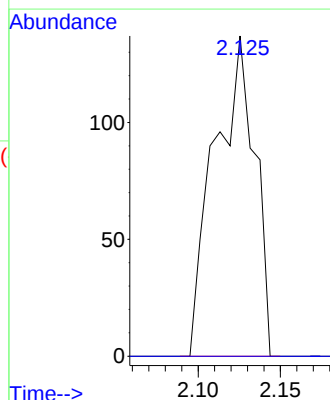
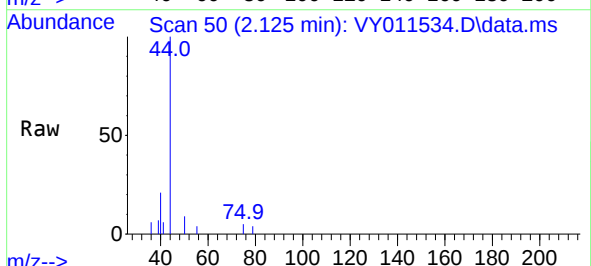
Instrument :
MSVOA_Y
ClientSampleId :

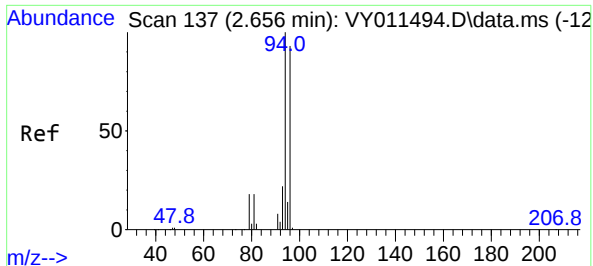
Tgt Ion:168 Resp: 40852
Ion Ratio Lower Upper
168 100
99 57.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

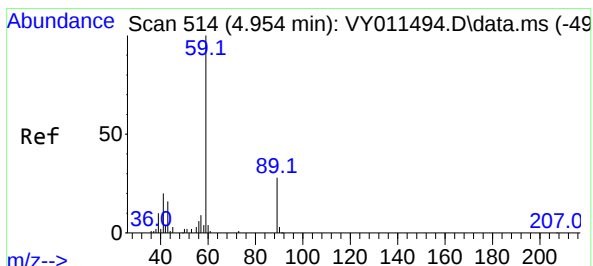
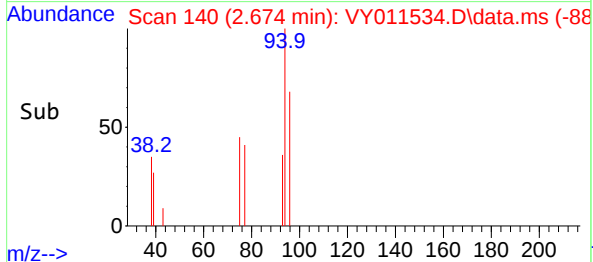
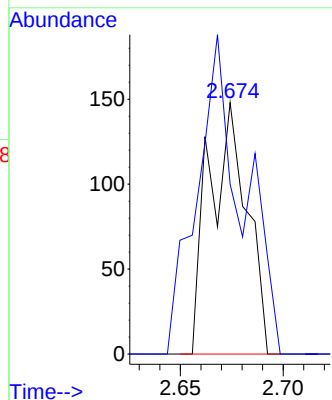
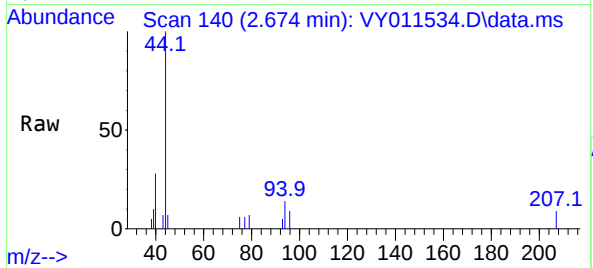




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

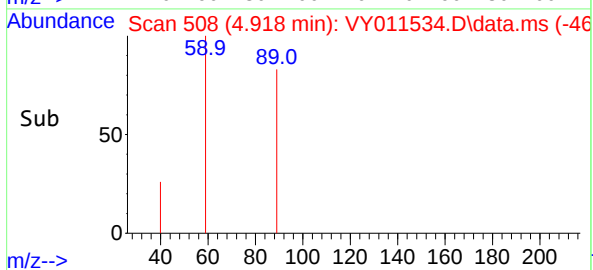
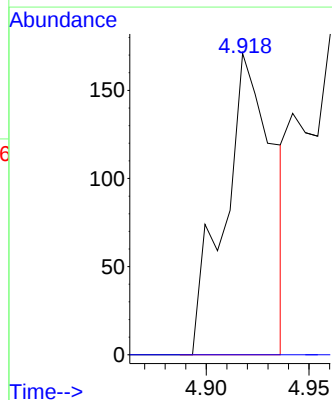
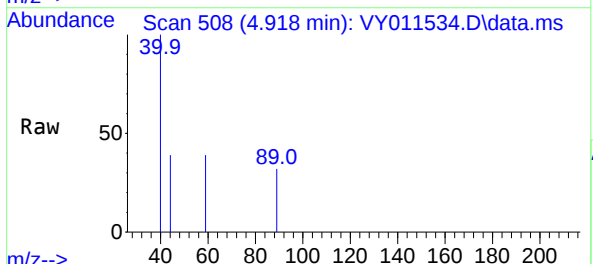
Instrument :
MSVOA_Y
ClientSampleId :

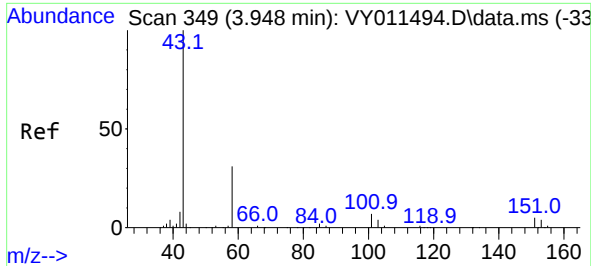
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 67.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 4.238 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY011534.D

Acq: 21 Nov 2022 19:08

Instrument :

MSVOA_Y

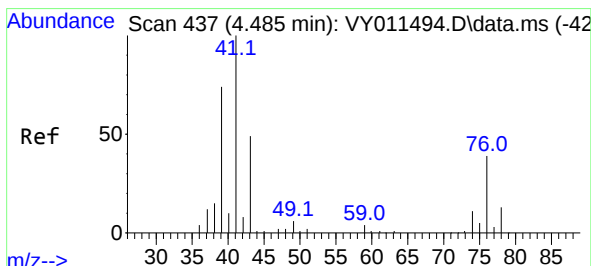
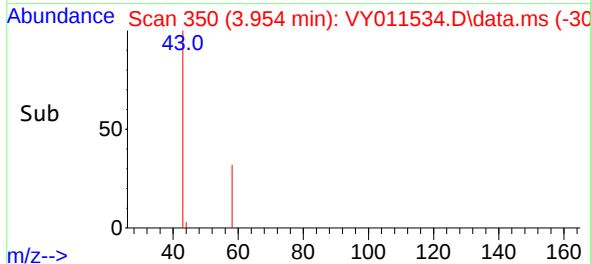
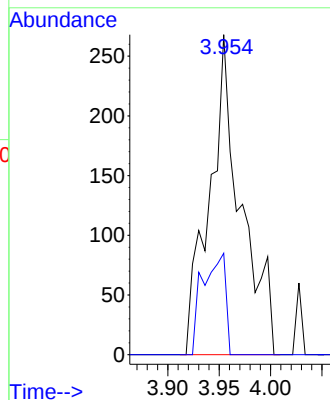
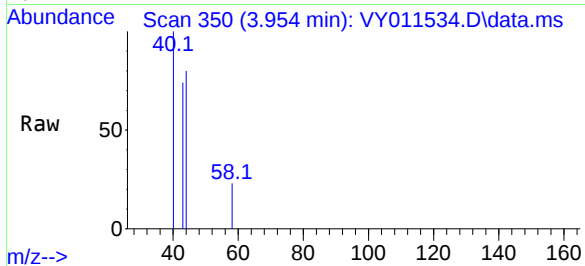
ClientSampleId :

Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

58 31.7 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY011534.D

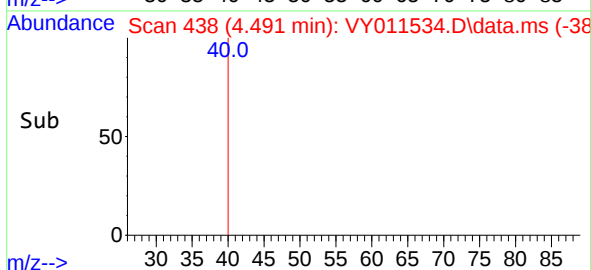
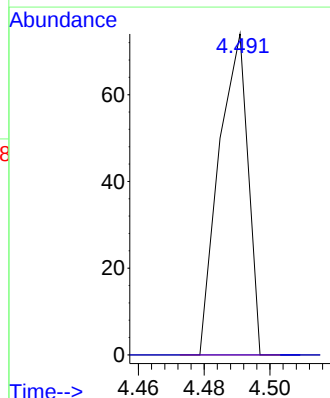
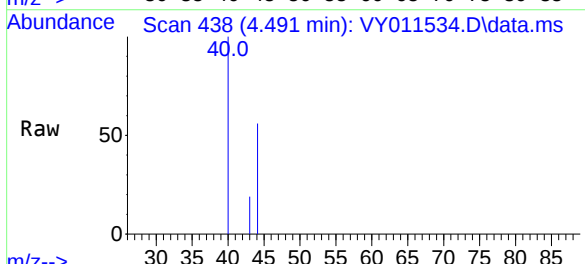
Acq: 21 Nov 2022 19:08

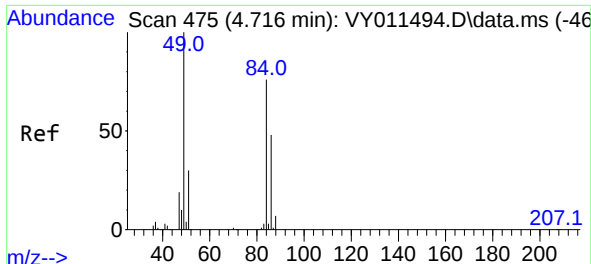
Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

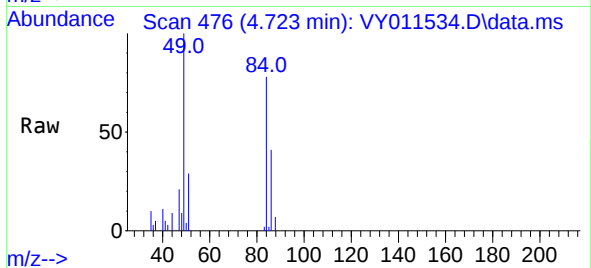
74 0.0 16.6 24.8#



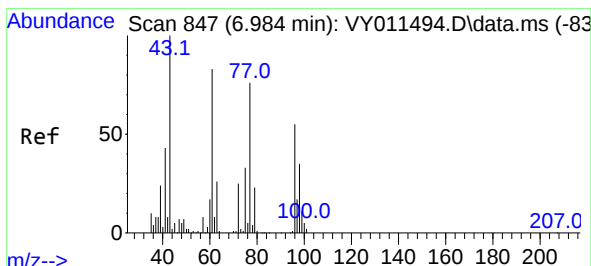
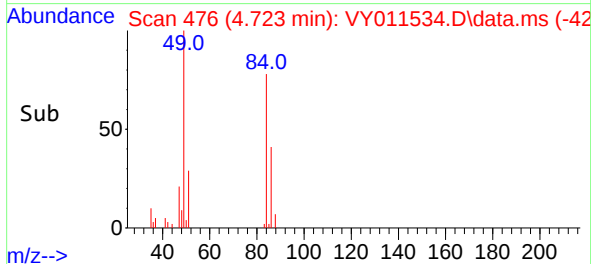
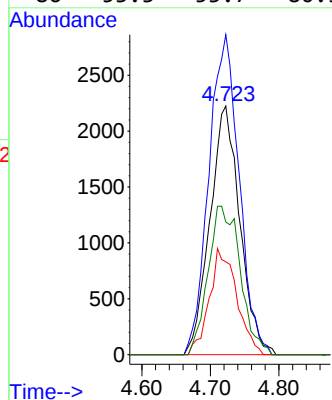


#20
Methylene Chloride
Concen: 3.292 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :

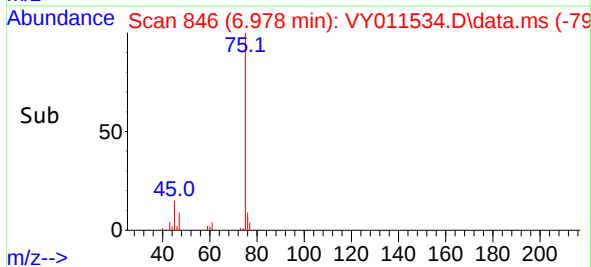
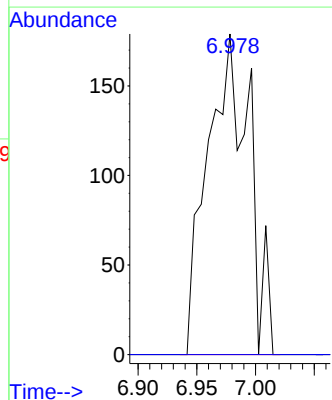
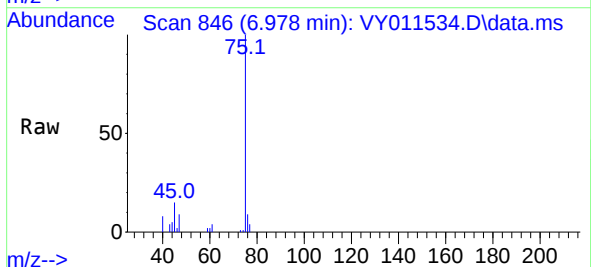


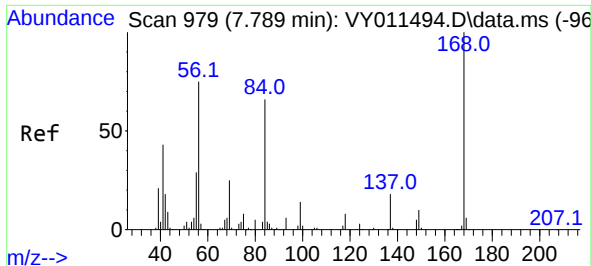
Tgt Ion: 84 Resp: 6753
Ion Ratio Lower Upper
84 100
49 128.7 114.4 171.6
51 37.3 35.3 52.9
86 53.3 53.7 80.5#



#25
2-Butanone
Concen: 2.479 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

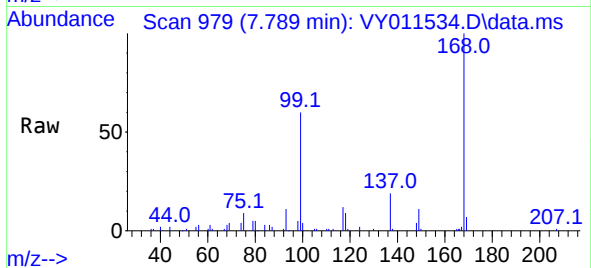
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



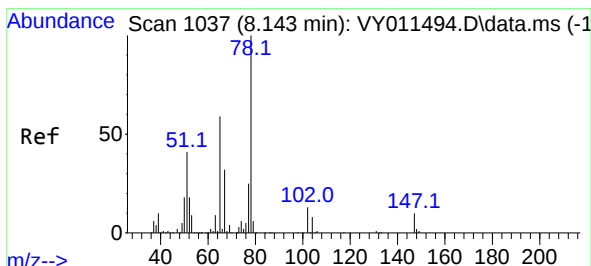
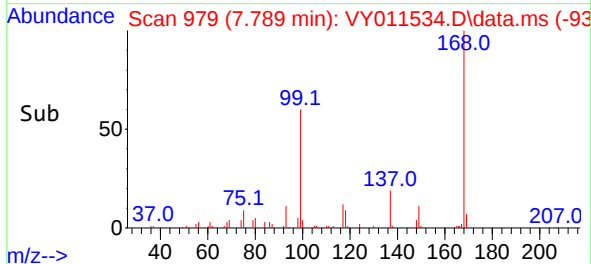
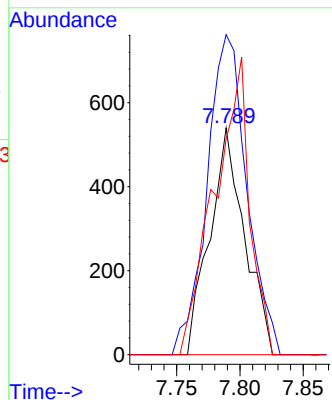


#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :

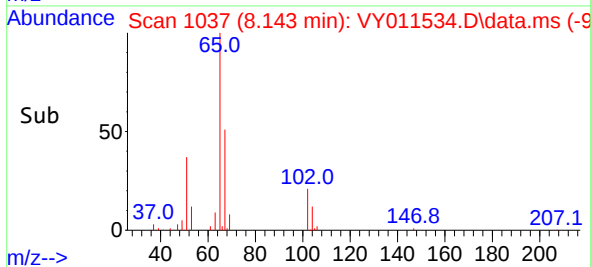
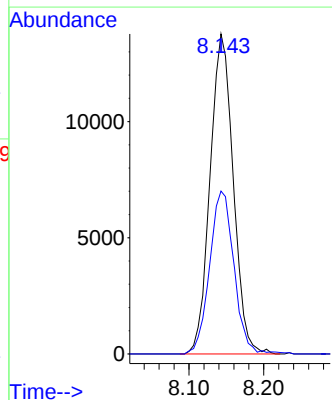
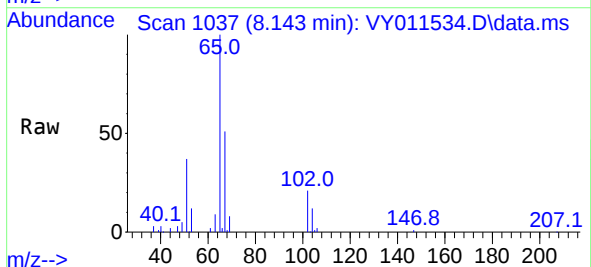


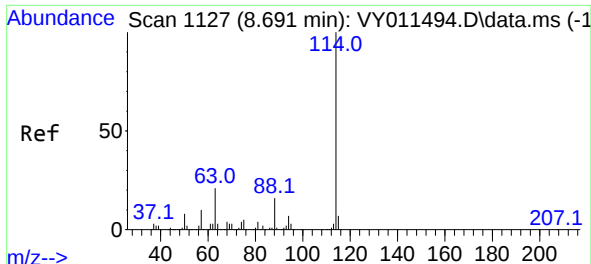
Tgt Ion: 56 Resp: 1035
Ion Ratio Lower Upper
56 100
69 141.1 26.7 40.1#
84 95.2 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 71.462 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 65 Resp: 29643
Ion Ratio Lower Upper
65 100
67 53.6 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: VY011534.D

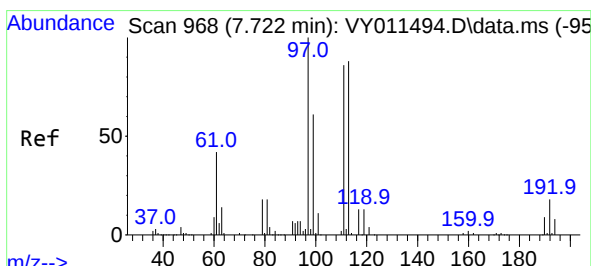
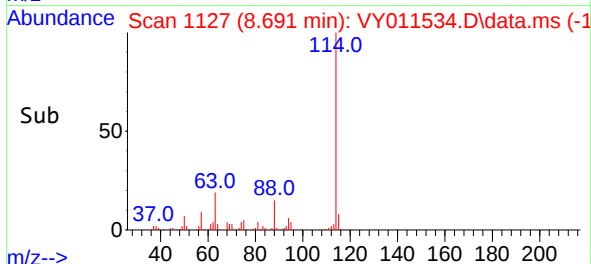
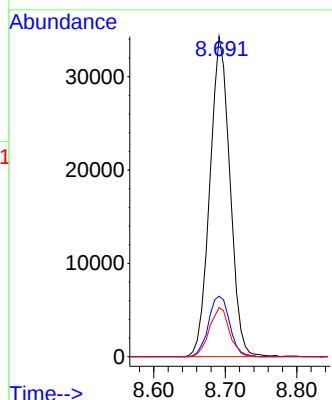
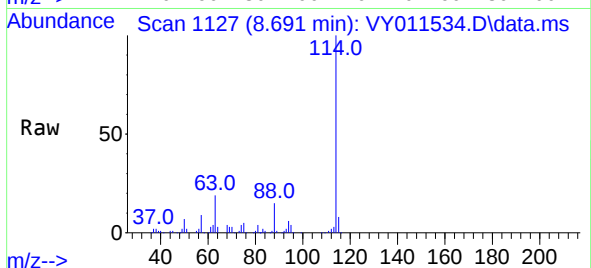
Acq: 21 Nov 2022 19:08

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	66791
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	43.2
88	15.3	0.0	31.8



#35

Dibromofluoromethane

Concen: 64.632 ug/l

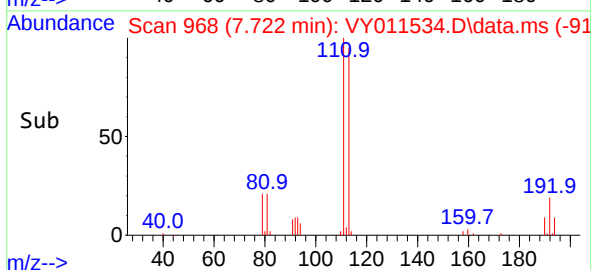
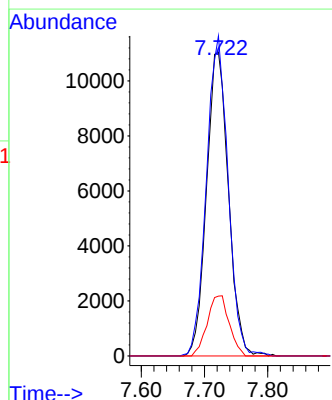
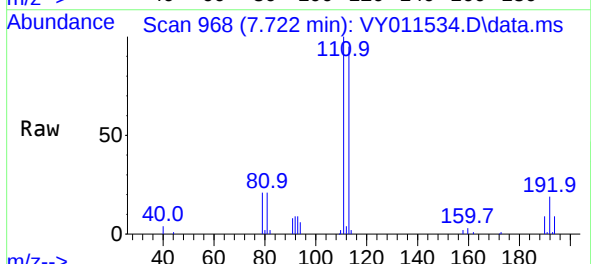
RT: 7.722 min Scan# 968

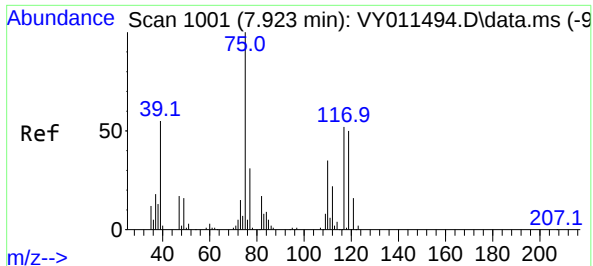
Delta R.T. 0.000 min

Lab File: VY011534.D

Acq: 21 Nov 2022 19:08

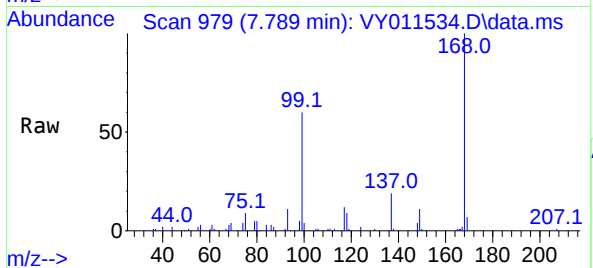
Tgt Ion:	113	Resp:	26574
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	124.0
192	19.8	17.6	26.4



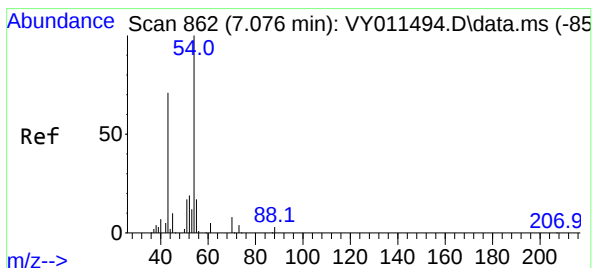
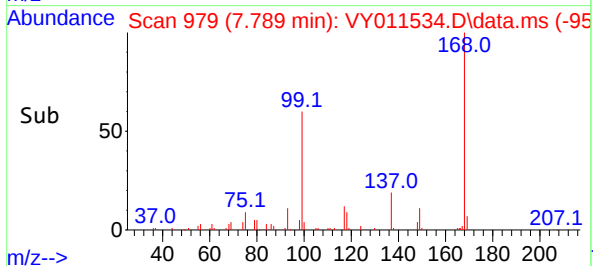
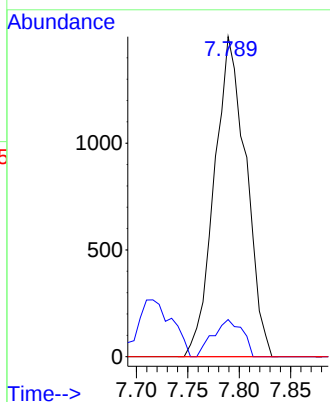


#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :

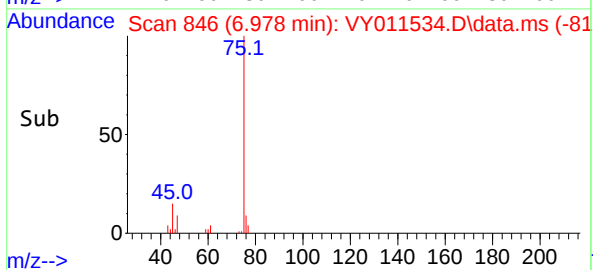
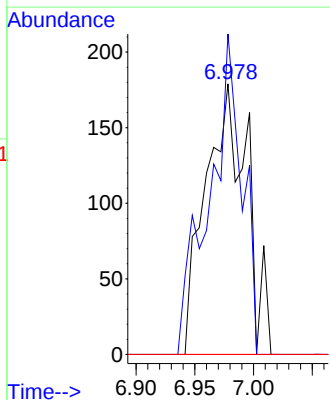
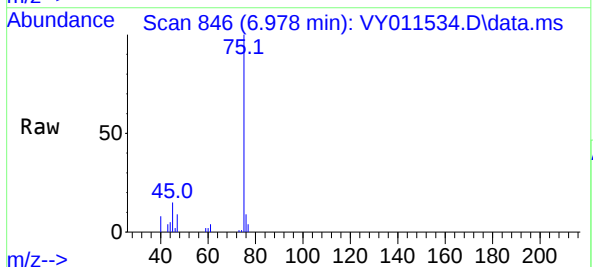


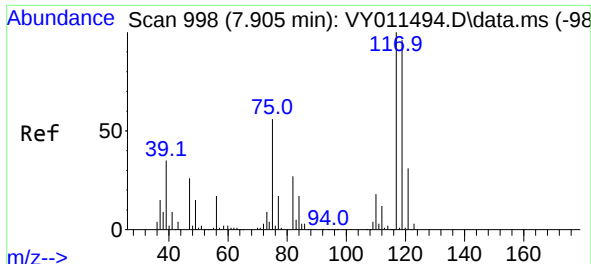
Tgt Ion: 75 Resp: 3211
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.200 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

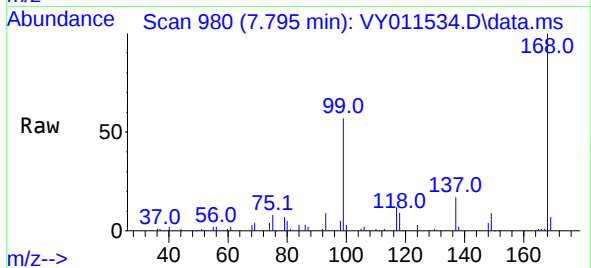
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
61 93.6 9.7 14.5#
70 0.0 7.1 10.7#



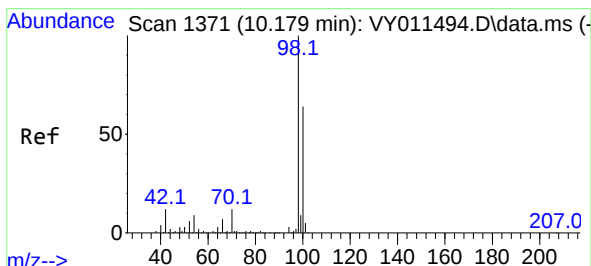
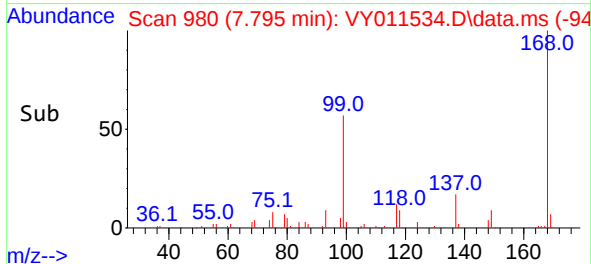
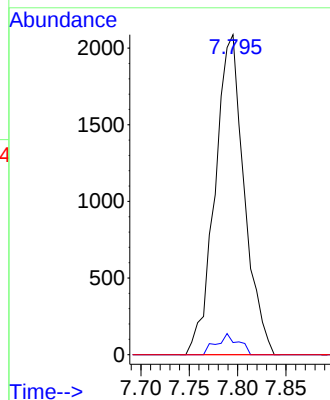


#38
Carbon Tetrachloride
Concen: 6.087 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :

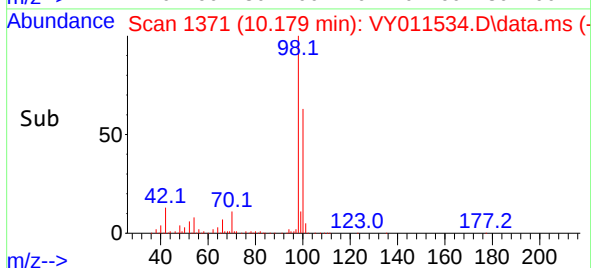
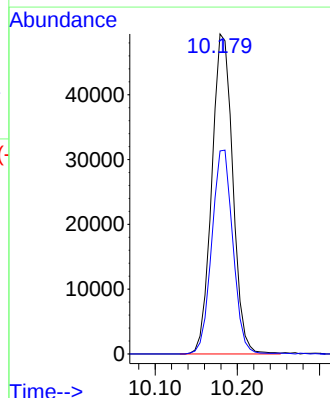
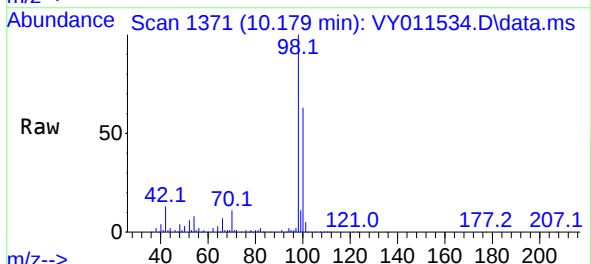


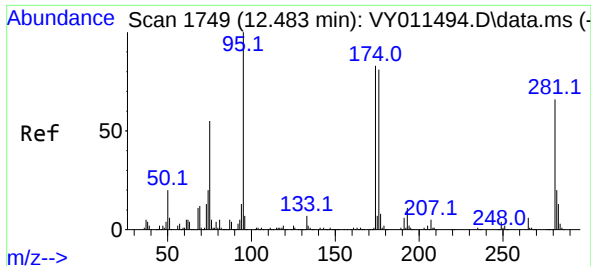
Tgt Ion:117 Resp: 4377
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 58.553 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 98 Resp: 87485
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

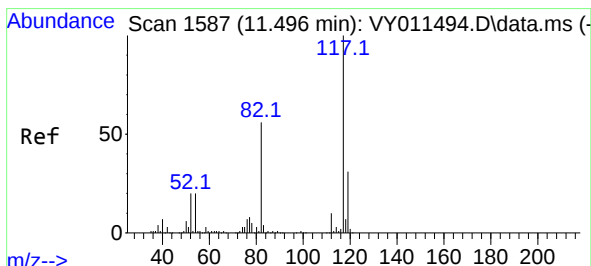
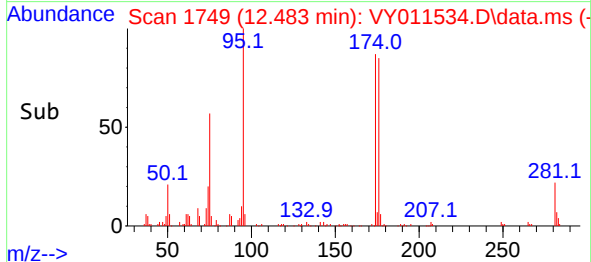
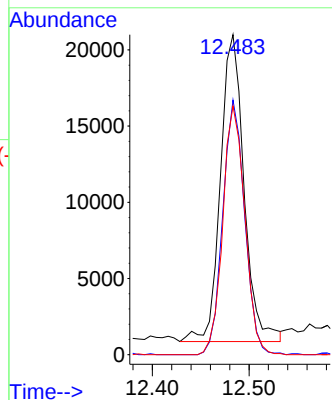
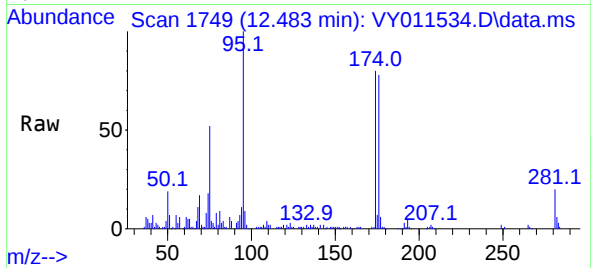




#62
4-Bromofluorobenzene
Concen: 61.641 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

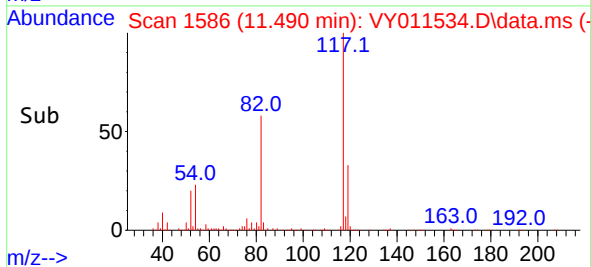
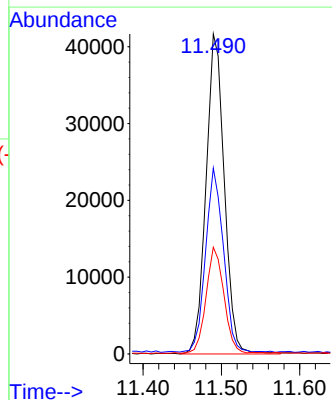
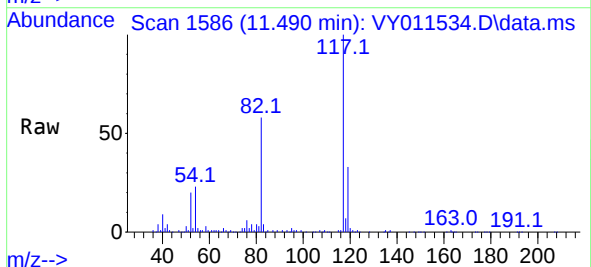
Instrument :
MSVOA_Y
ClientSampleId :

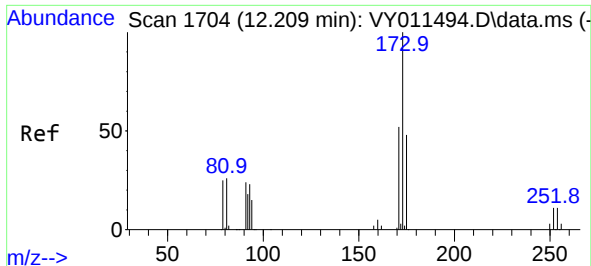
Tgt Ion: 95 Resp: 34052
Ion Ratio Lower Upper
95 100
174 76.9 0.0 177.0
176 75.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 117 Resp: 67499
Ion Ratio Lower Upper
117 100
82 57.5 43.0 64.4
119 33.2 25.4 38.0

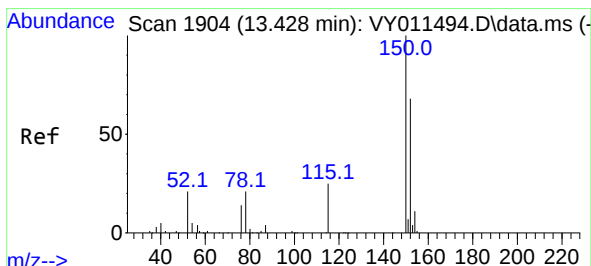
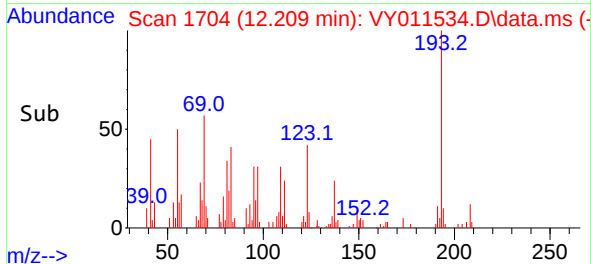
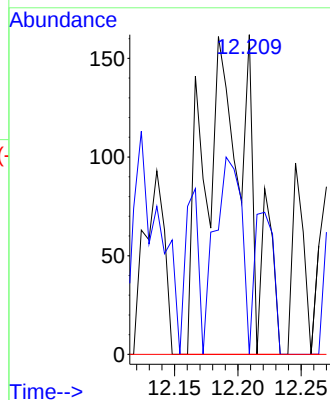
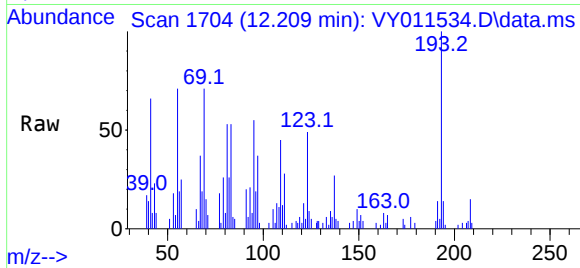




#71
Bromoform
Concen: 1.203 ug/l
RT: 12.209 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

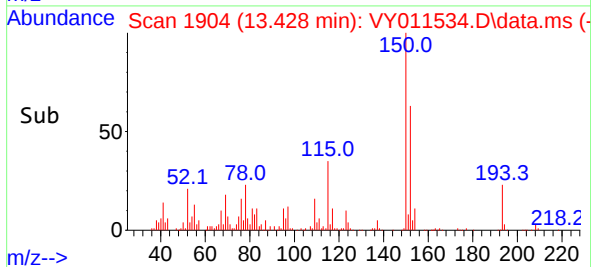
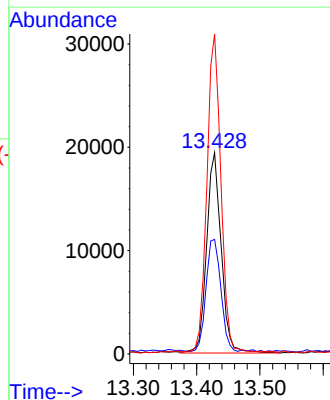
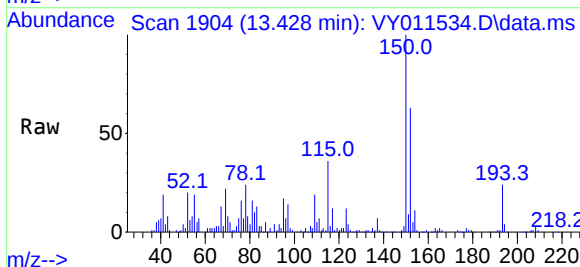
Instrument :
MSVOA_Y
ClientSampleId :

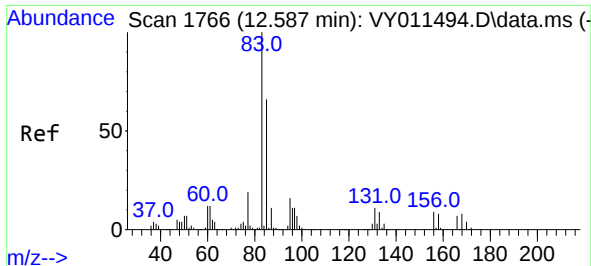
Tgt Ion:173 Resp: 392
Ion Ratio Lower Upper
173 100
175 19.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion:152 Resp: 31113
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 152.7 0.0 347.6

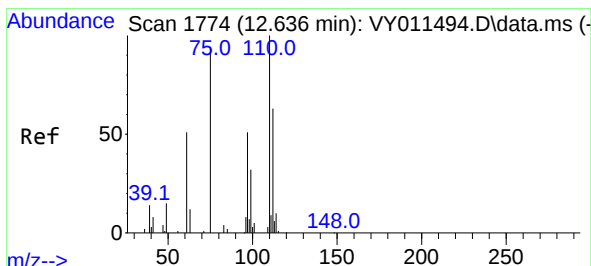
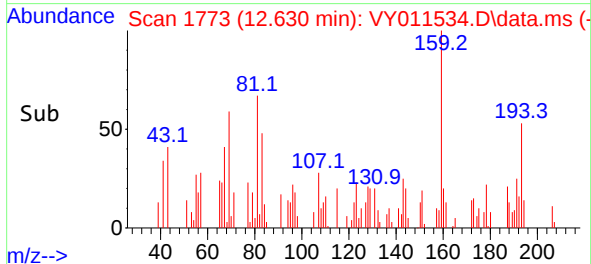
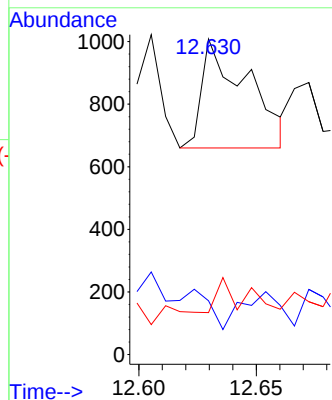
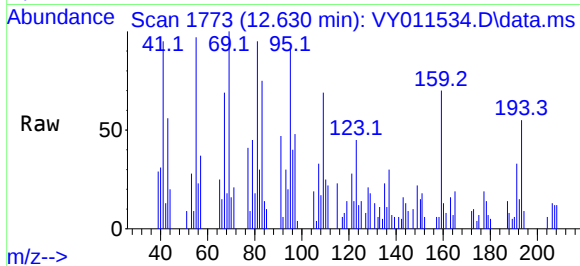




#75
1,1,2,2-Tetrachloroethane
Concen: 1.055 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. 0.043 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

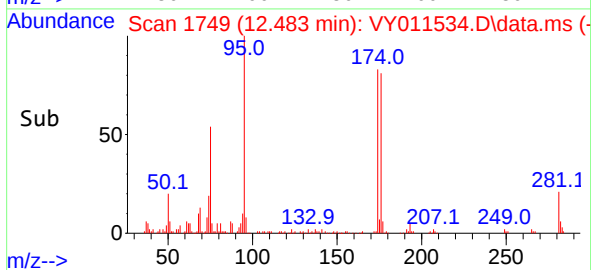
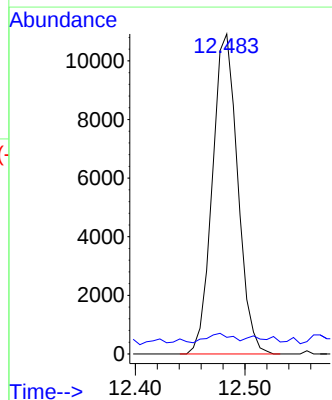
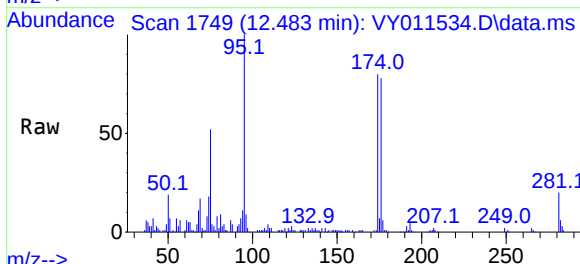
Instrument :
MSVOA_Y
ClientSampleId :

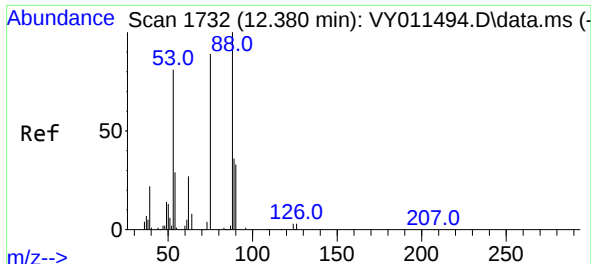
Tgt Ion: 83 Resp: 468
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 30.1 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 52.217 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 75 Resp: 17496
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#

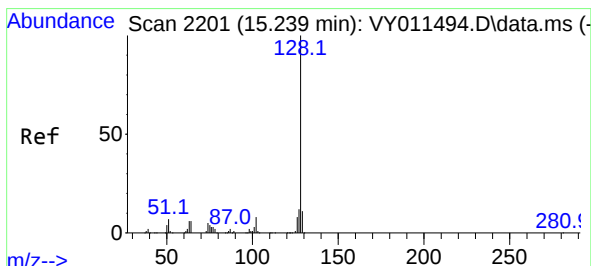
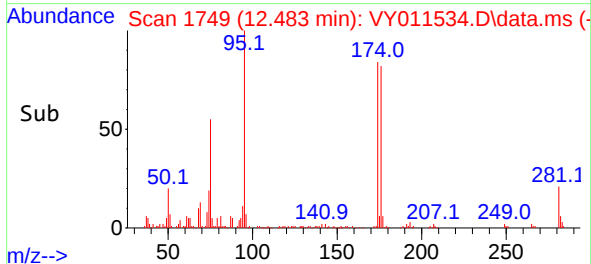
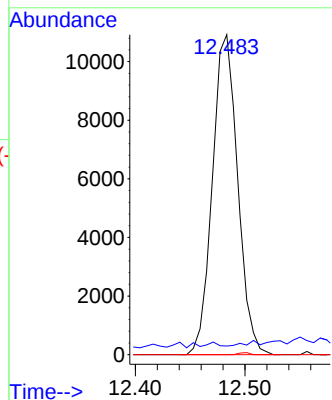
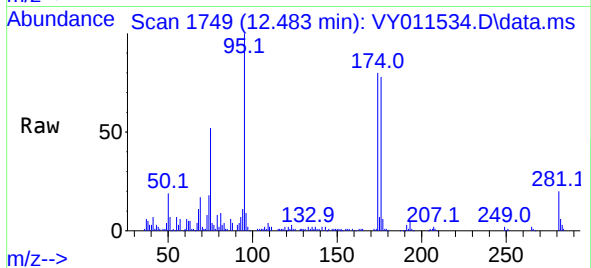




#81
trans-1,4-Dichloro-2-butene
Concen: 114.372 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 17496
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.152 ug/l
RT: 15.269 min Scan# 2206
Delta R.T. 0.030 min
Lab File: VY011534.D
Acq: 21 Nov 2022 19:08

Tgt Ion: 128 Resp: 158
Ion Ratio Lower Upper
128 100
127 50.6 11.0 16.4#
129 125.3 8.4 12.6#

