

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011602.D
 Acq On : 28 Nov 2022 16:10
 Operator : KP/MD
 Sample : N5795-04
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12

Quant Time: Nov 29 00:25:56 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)

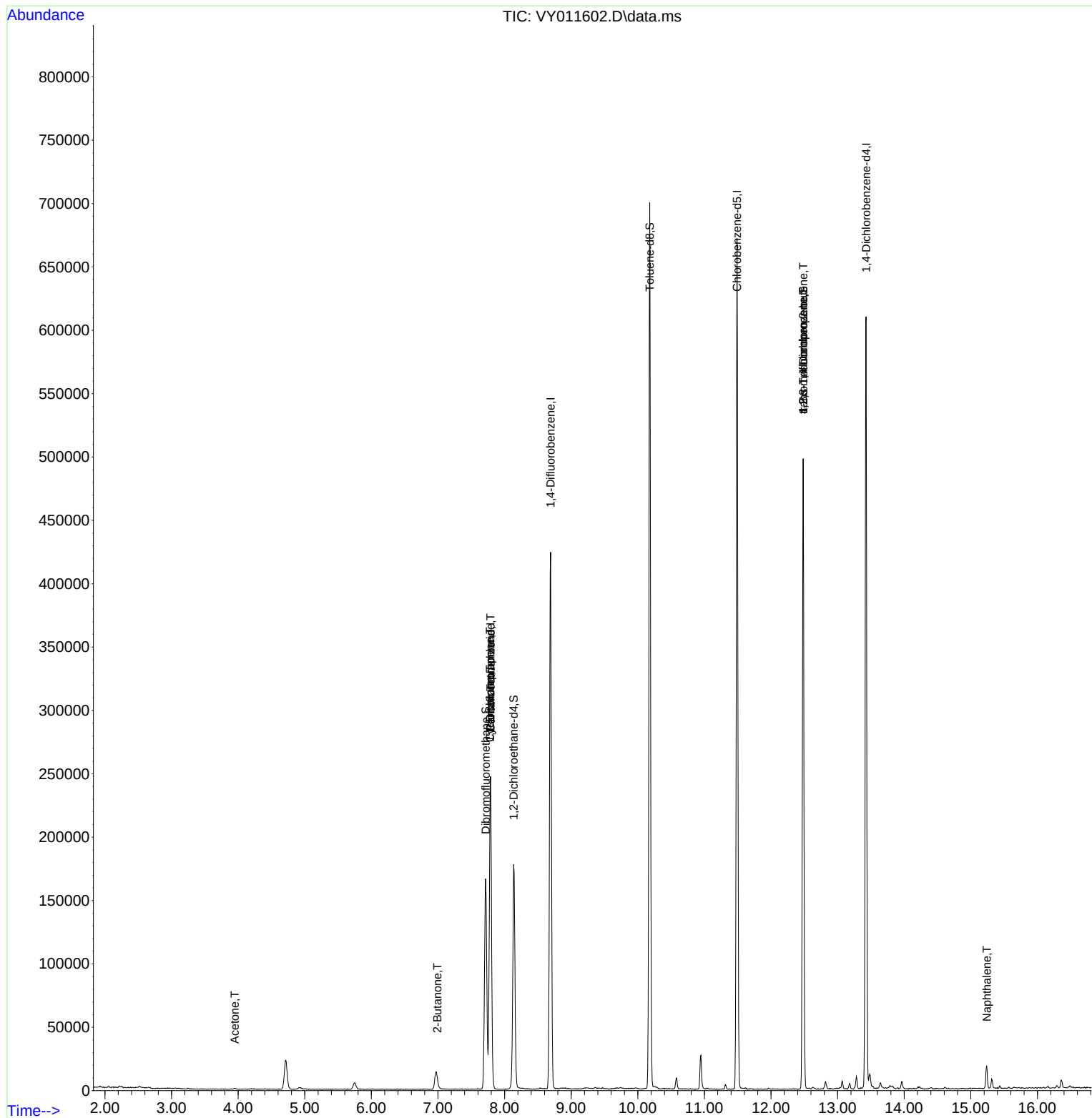
Internal Standards						
1) Pentafluorobenzene	7.789	168	187102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	353356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	346363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133385	70.209	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.420%	
35) Dibromofluoromethane	7.716	113	117136	53.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.700%	
50) Toluene-d8	10.179	98	438941	55.530	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.060%	
62) 4-Bromofluorobenzene	12.483	95	145301	49.717	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	202	Below Cal	#	48
3) Chloromethane	2.119	50	176	Below Cal	#	58
5) Bromomethane	2.656	94	91	Below Cal	#	4
11) Tert butyl alcohol	4.911	59	642	Below Cal	#	77
16) Acetone	3.948	43	1176	1.906 ug/l	#	69
18) Methyl Acetate	4.485	43	227	Below Cal	#	56
20) Methylene Chloride	4.716	84	16673	Below Cal		89
25) 2-Butanone	6.990	43	1704	2.101 ug/l		93
31) Cyclohexane	7.783	56	4444	1.411 ug/l	#	11
36) 1,1-Dichloropropene	7.783	75	15659	4.605 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	19226	5.054 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	77682	46.001 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77682	100.757 ug/l	#	7
95) Naphthalene	15.239	128	15212	6.538 ug/l		99

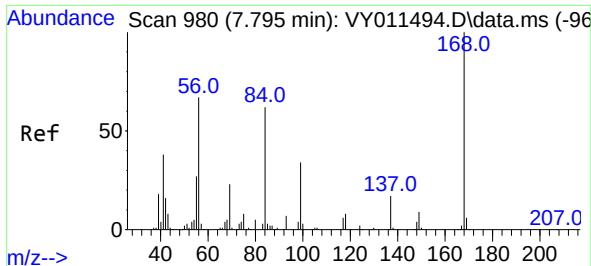
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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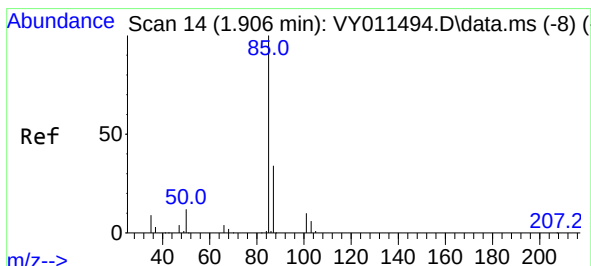
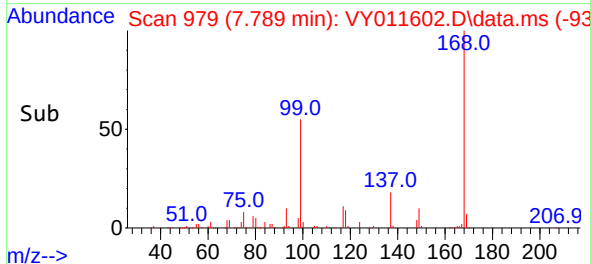
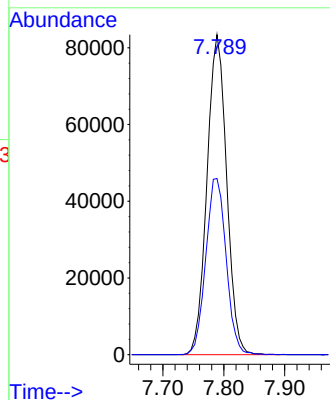
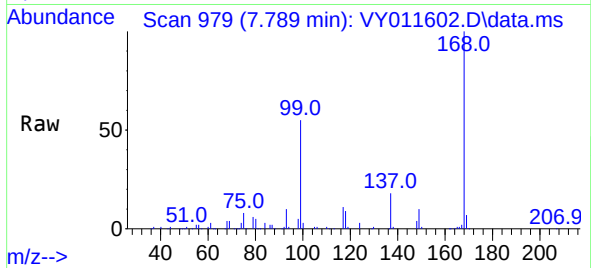




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

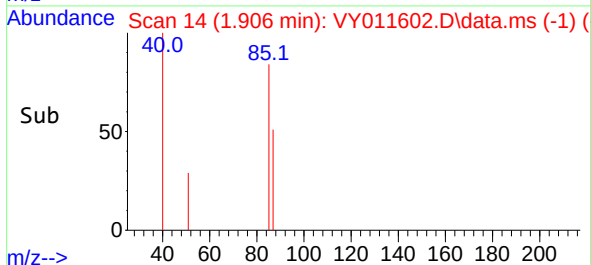
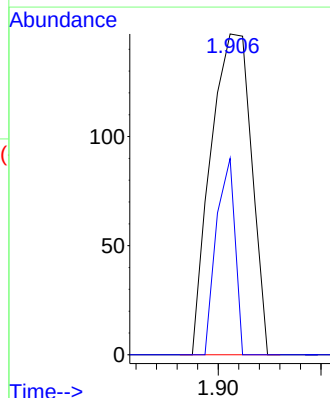
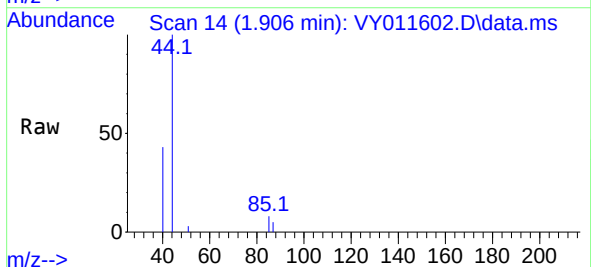
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

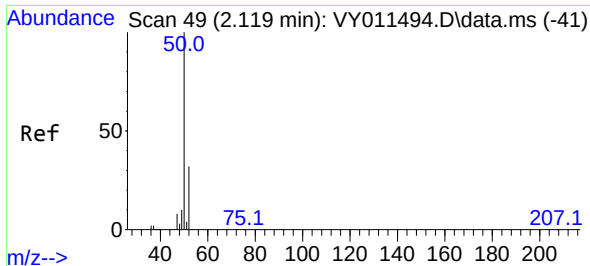
Tgt Ion:168 Resp: 187102
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 85 Resp: 202
Ion Ratio Lower Upper
85 100
87 61.2 16.1 48.2#

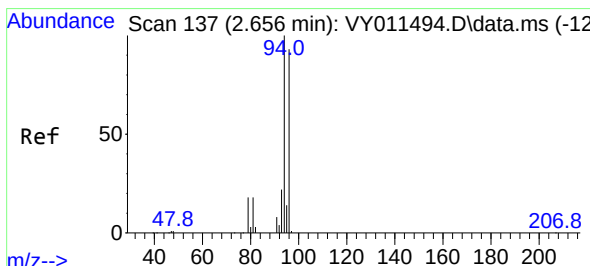
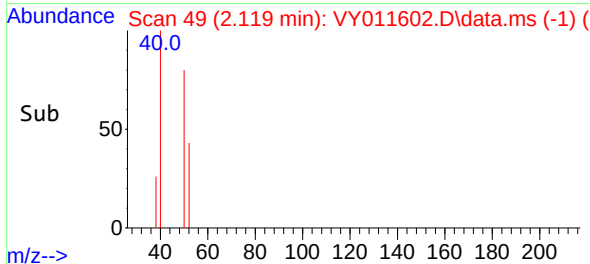
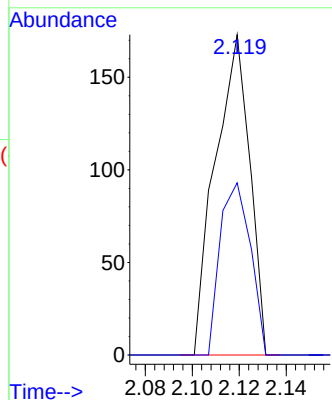
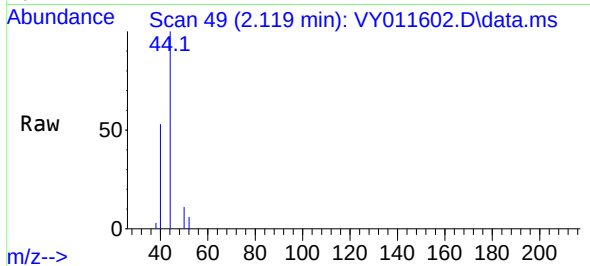




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

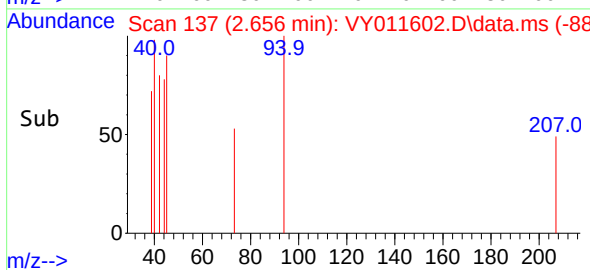
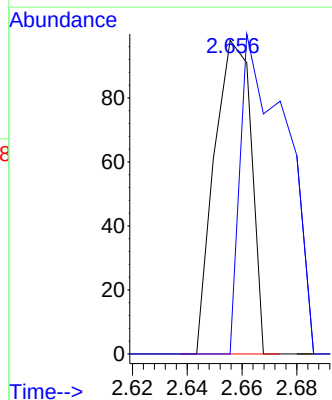
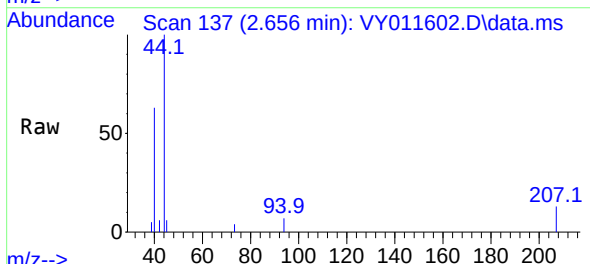
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

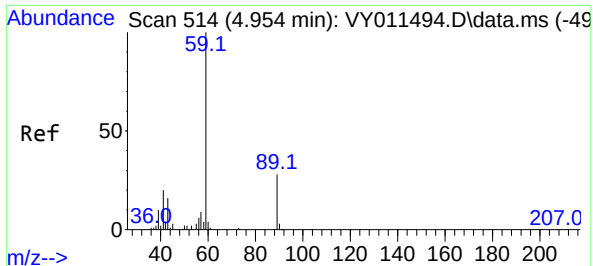
Tgt Ion: 50 Resp: 176
Ion Ratio Lower Upper
50 100
52 53.8 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#

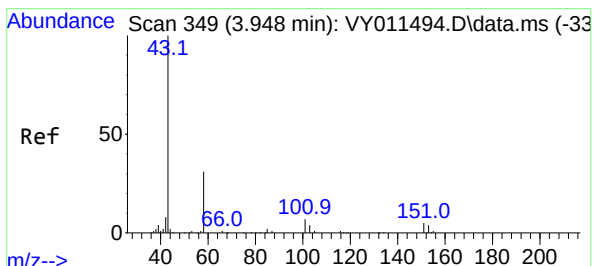
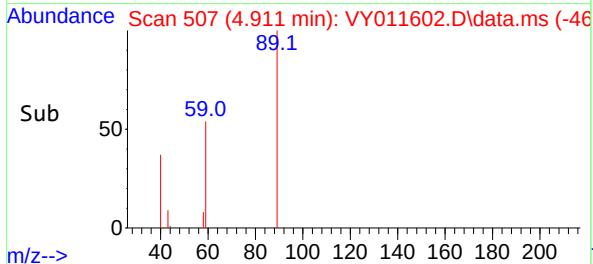
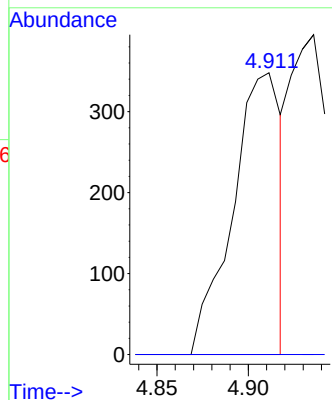
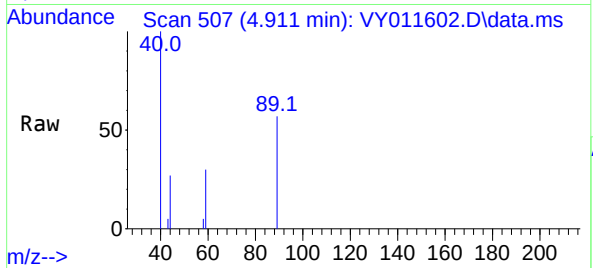




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

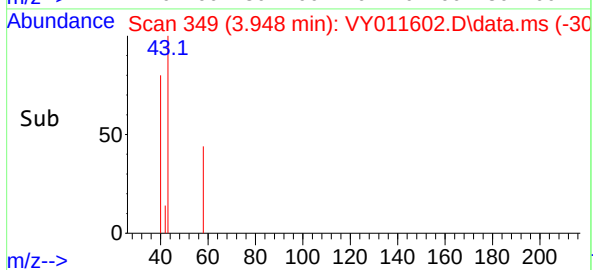
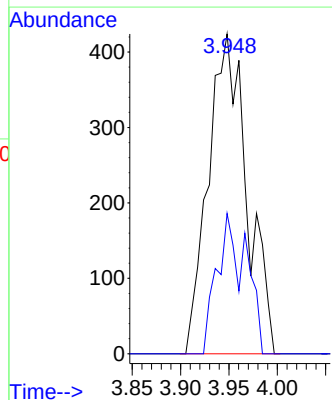
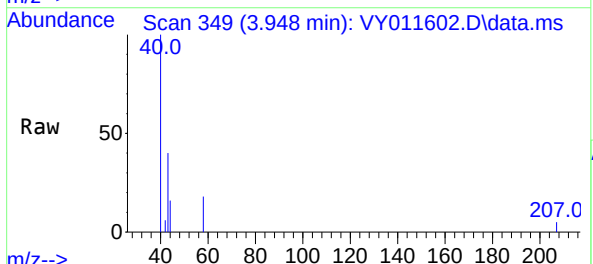
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

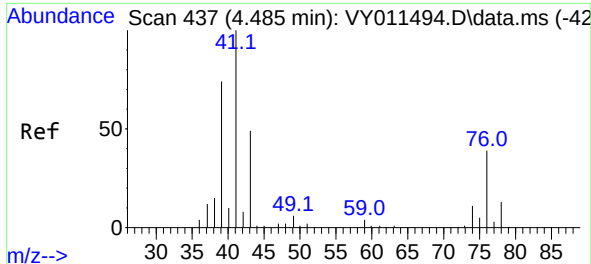
Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.906 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 43 Resp: 1176
Ion Ratio Lower Upper
43 100
58 43.9 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY011602.D

Acq: 28 Nov 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

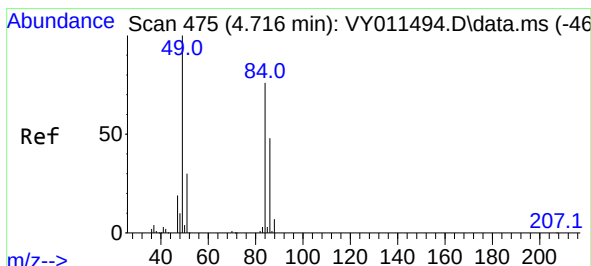
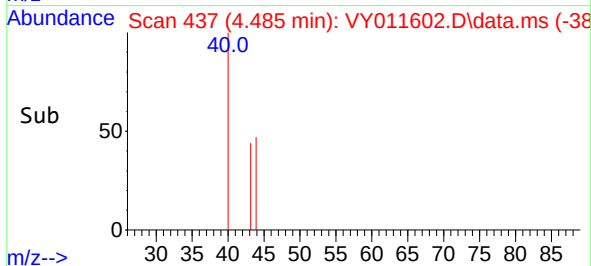
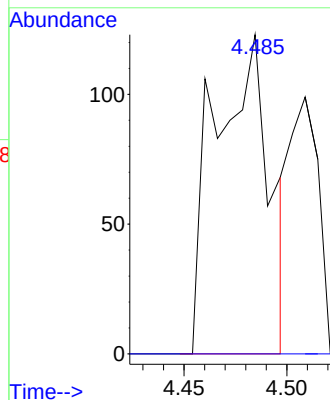
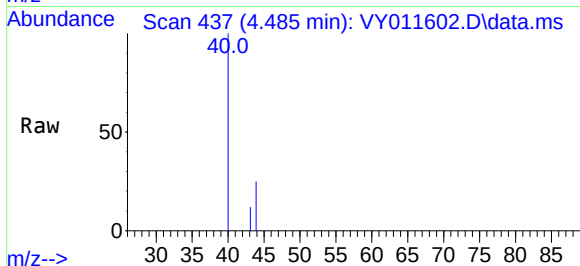
TP-12

Tgt Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011602.D

Acq: 28 Nov 2022 16:10

Tgt Ion: 84 Resp: 16673

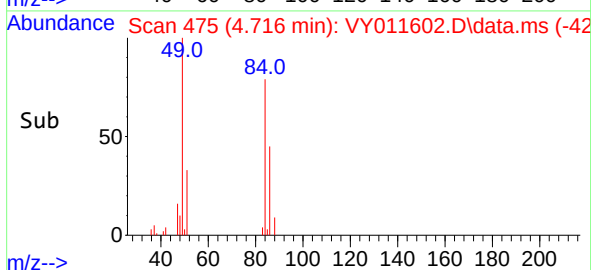
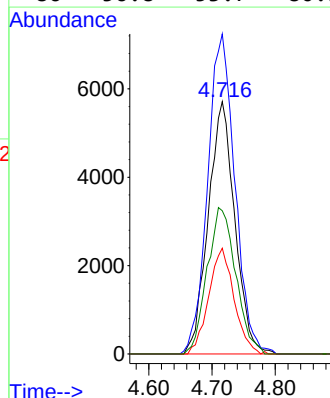
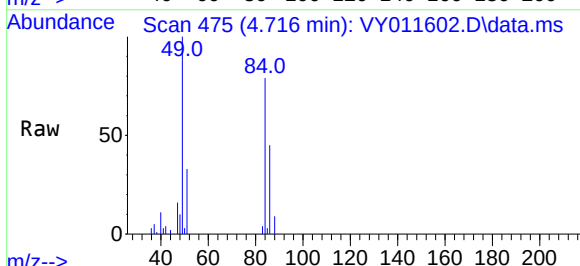
Ion Ratio Lower Upper

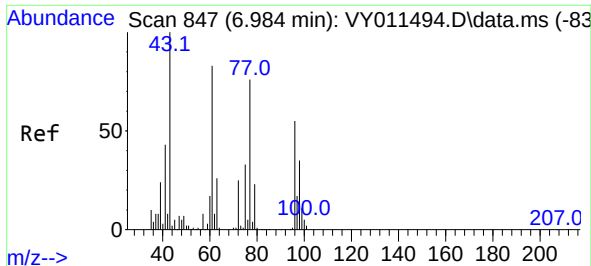
84 100

49 126.8 114.4 171.6

51 41.9 35.3 52.9

86 56.8 53.7 80.5

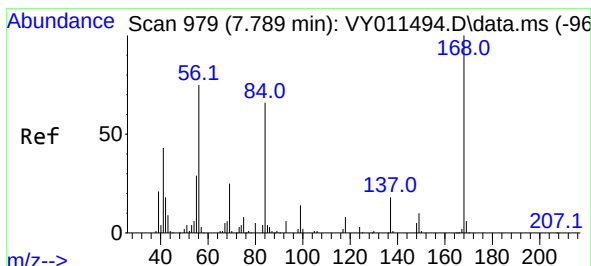
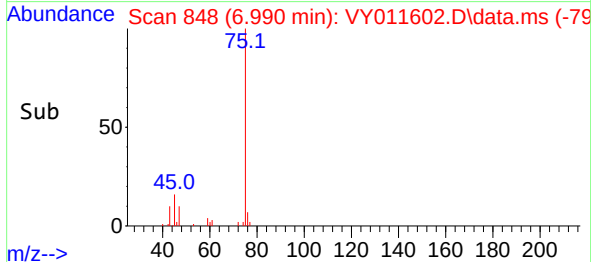
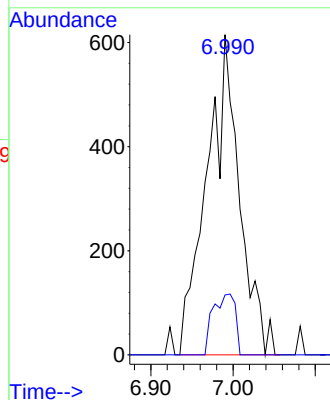
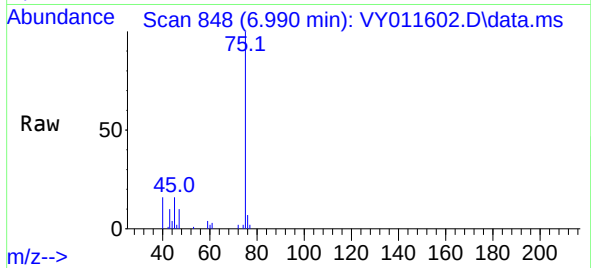




#25
2-Butanone
Concen: 2.101 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

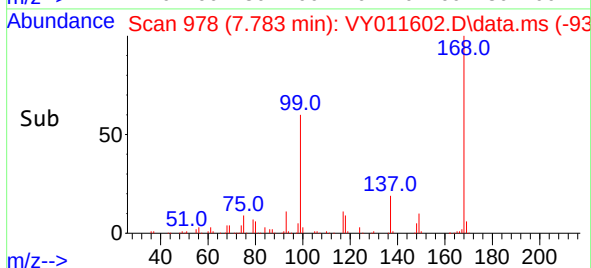
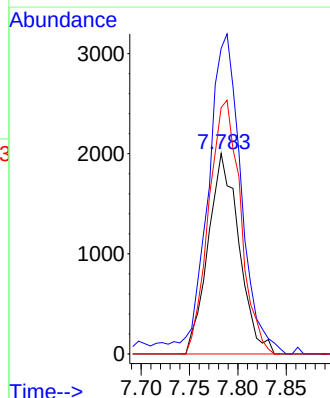
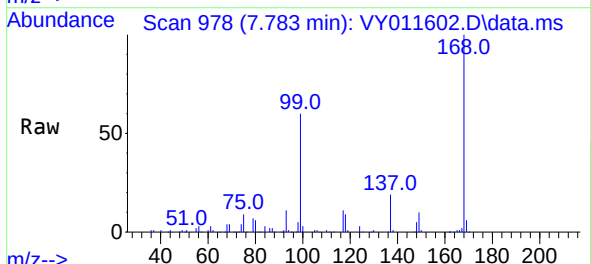
Instrument :
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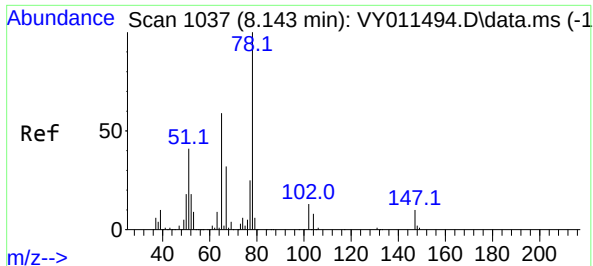
Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
72 18.7 17.7 26.5



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 56 Resp: 4444
Ion Ratio Lower Upper
56 100
69 149.9 26.7 40.1#
84 122.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 70.209 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.007 min

Lab File: VY011602.D

Acq: 28 Nov 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

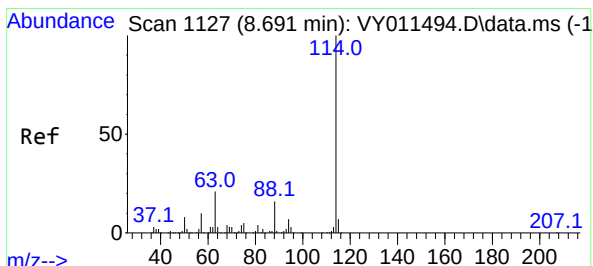
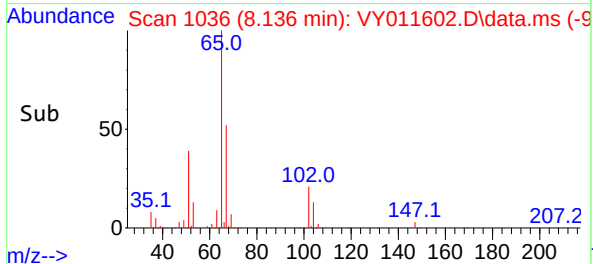
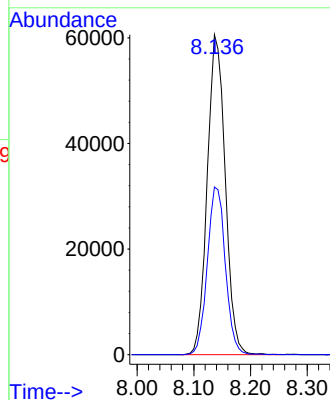
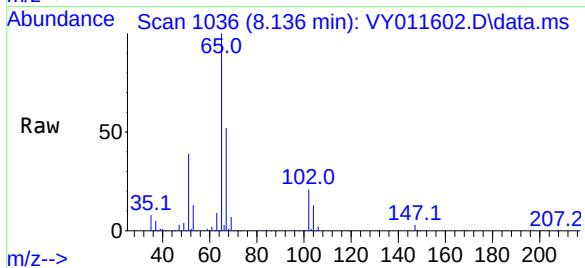
TP-12

Tgt Ion: 65 Resp: 133385

Ion Ratio Lower Upper

65 100

67 52.6 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: VY011602.D

Acq: 28 Nov 2022 16:10

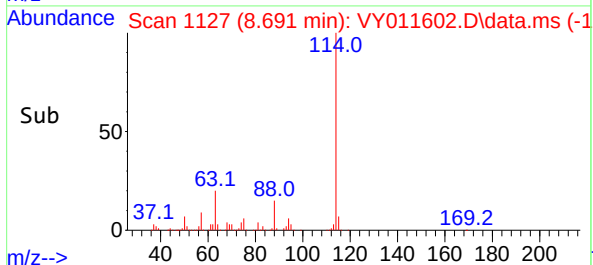
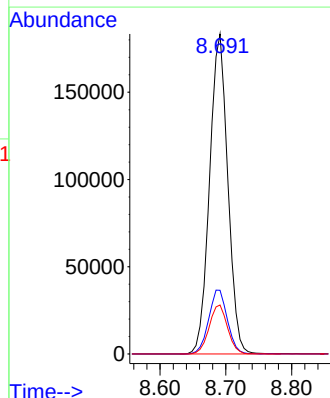
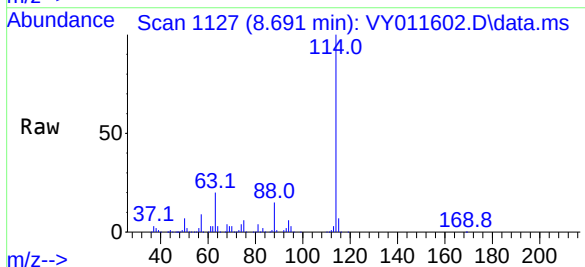
Tgt Ion: 114 Resp: 353356

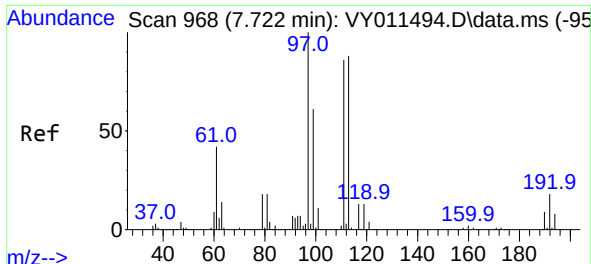
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.3 0.0 31.8

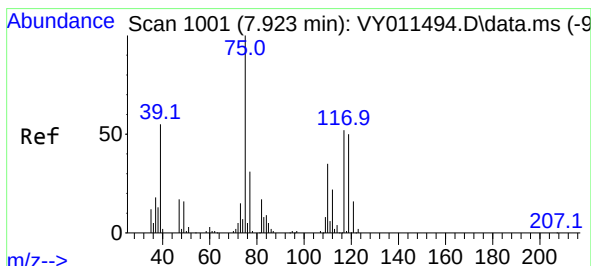
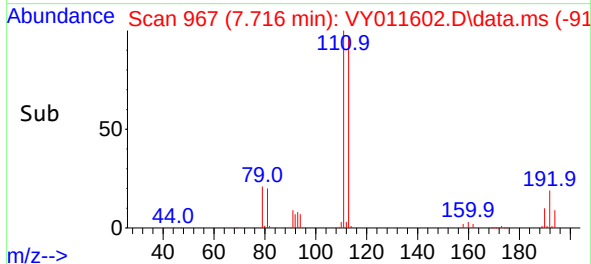
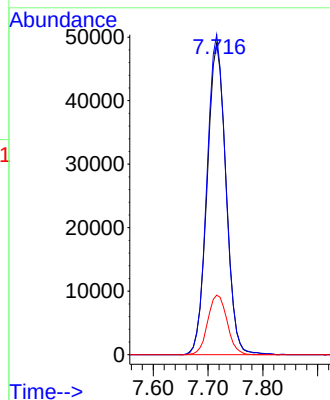
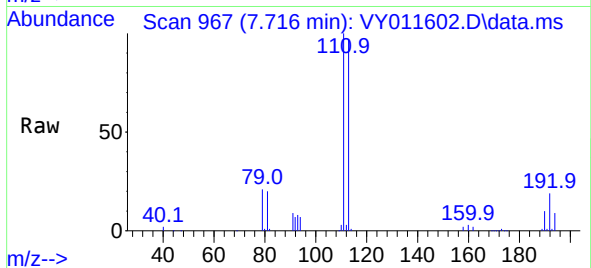




#35
Dibromofluoromethane
Concen: 53.850 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

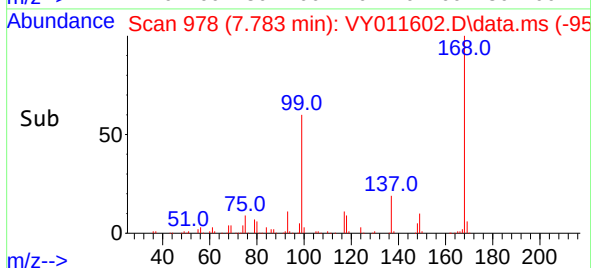
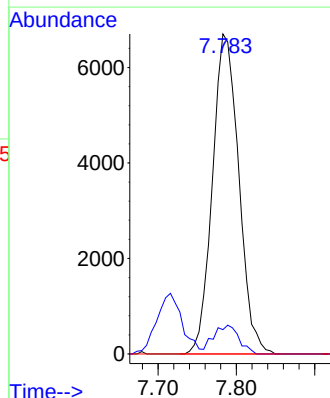
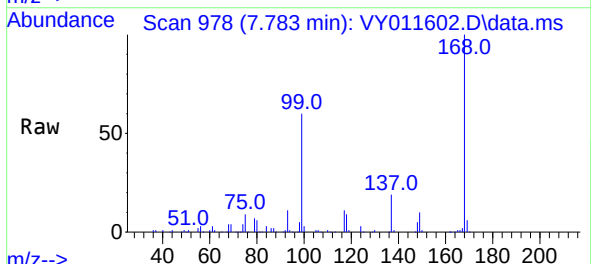
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

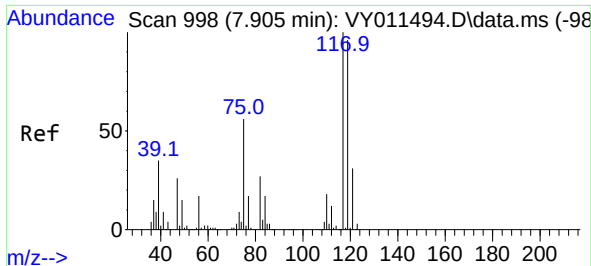
Tgt Ion:113 Resp: 117136
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.605 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 75 Resp: 15659
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#

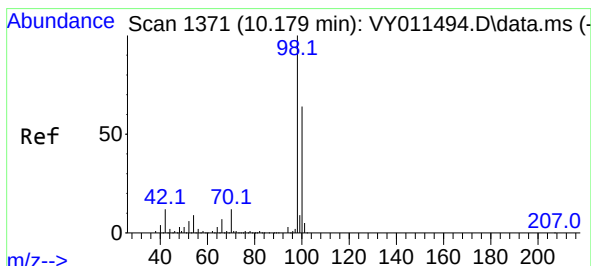
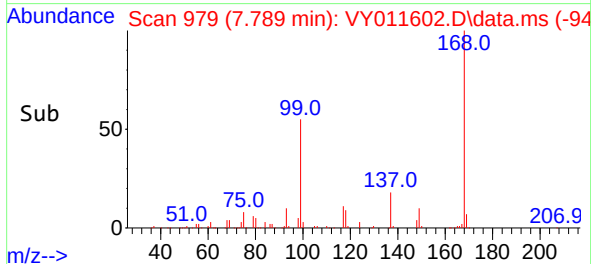
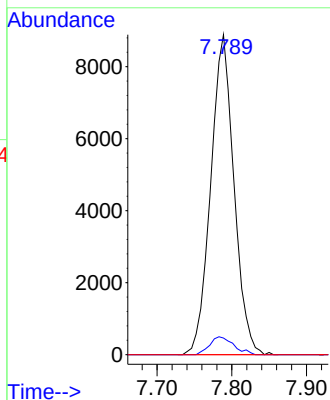
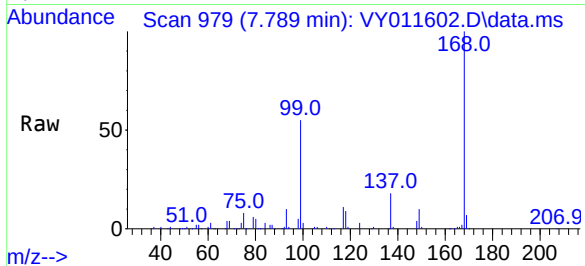




#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

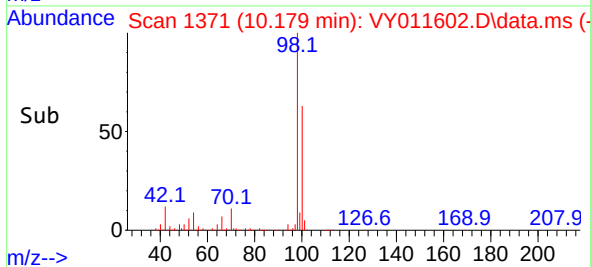
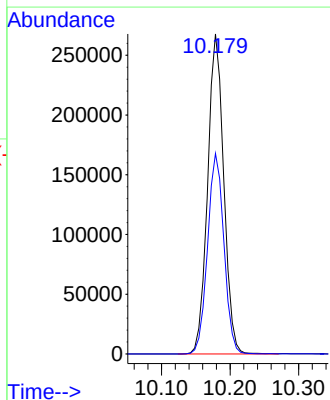
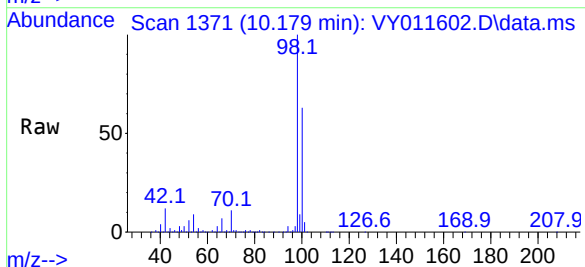
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

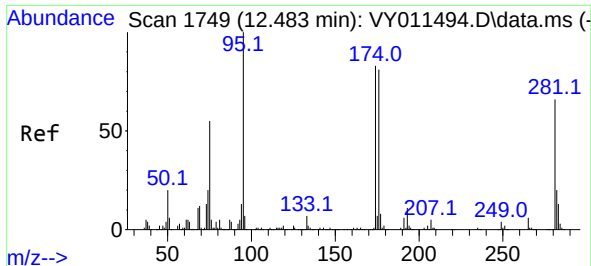
Tgt Ion:117 Resp: 19226
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.530 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 98 Resp: 438941
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

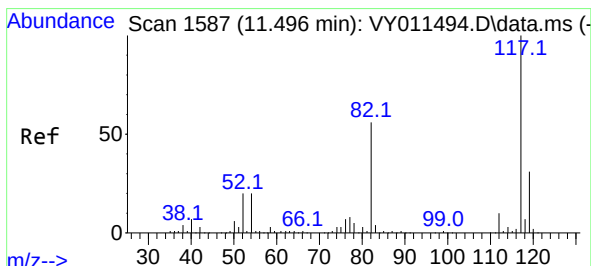
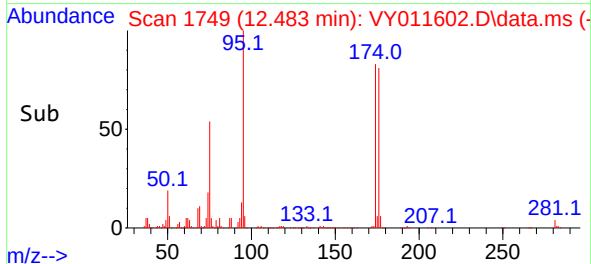
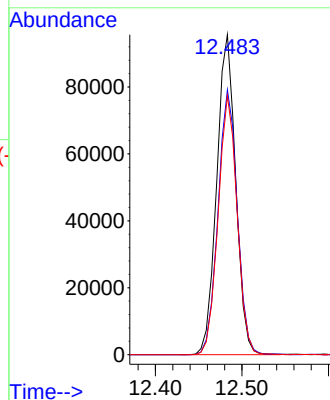
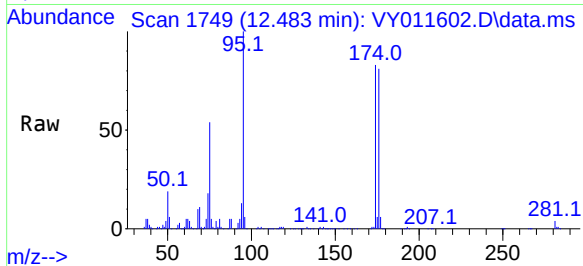




#62
4-Bromofluorobenzene
Concen: 49.717 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

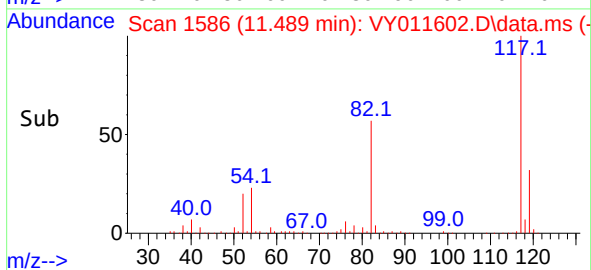
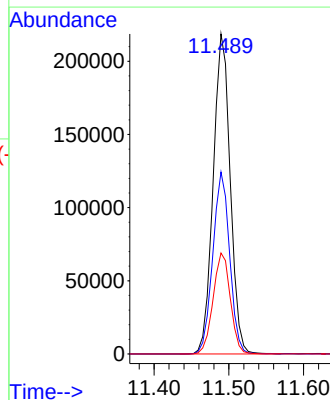
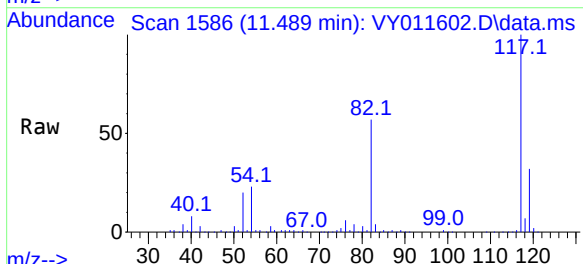
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

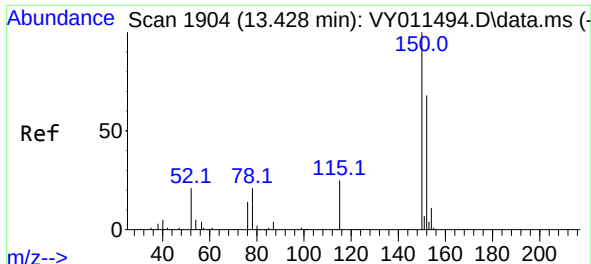
Tgt Ion: 95 Resp: 145301
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 117 Resp: 346363
Ion Ratio Lower Upper
117 100
82 56.8 43.0 64.4
119 31.5 25.4 38.0

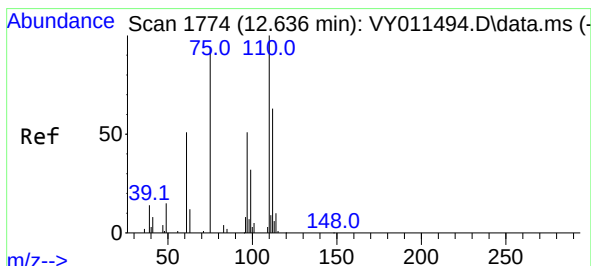
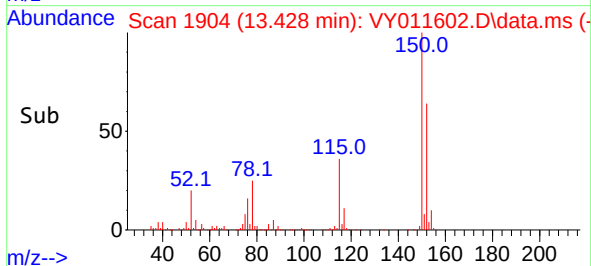
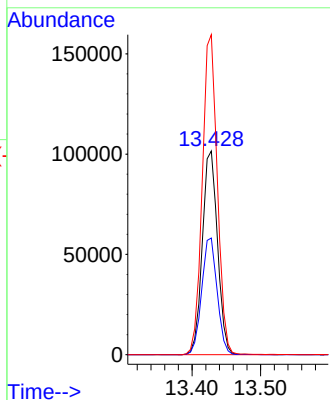
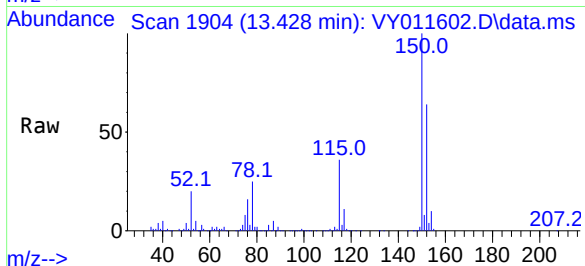




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

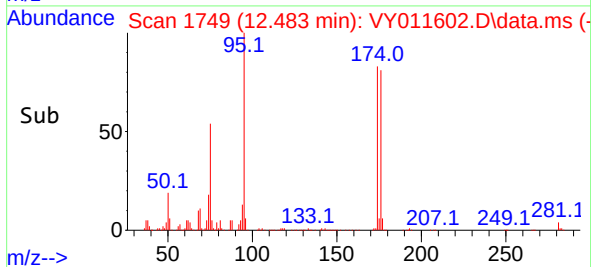
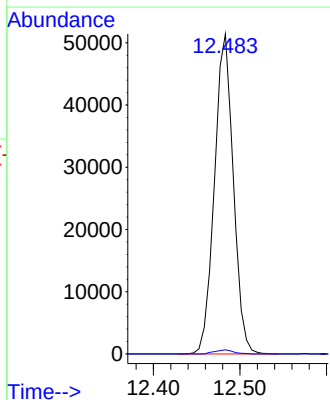
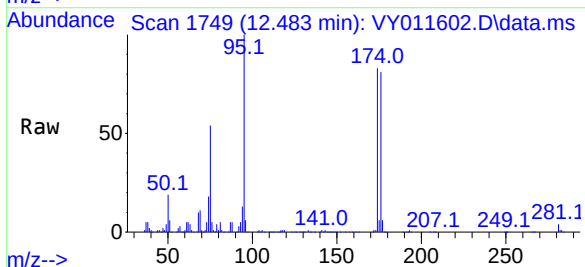
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

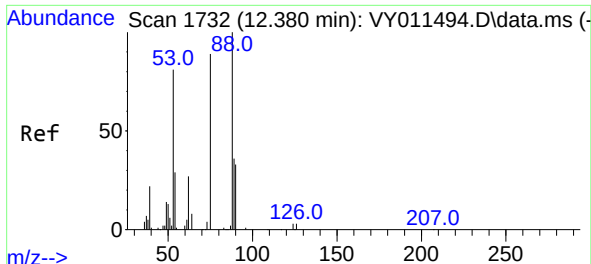
Tgt Ion:152 Resp: 156808
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 155.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 75 Resp: 77682
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

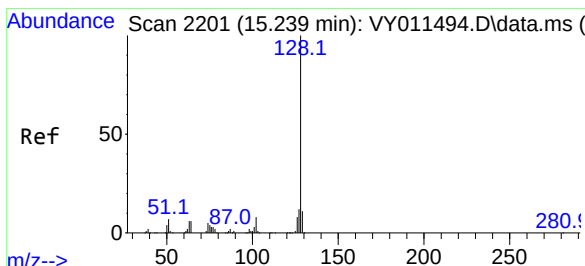
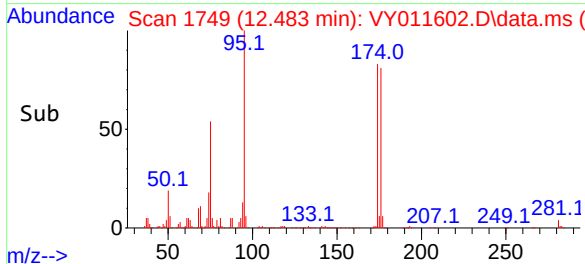
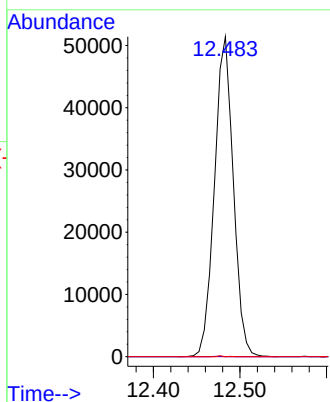
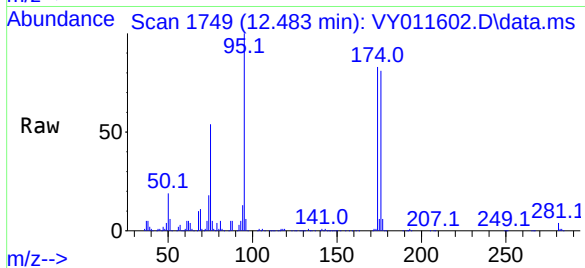




#81
trans-1,4-Dichloro-2-butene
Concen: 100.757 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :
TP-12

Tgt Ion: 75 Resp: 77682
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 6.538 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011602.D
Acq: 28 Nov 2022 16:10

Tgt Ion: 128 Resp: 15212
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 11.0 8.4 12.6

