

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008867.D
 Acq On : 19 May 2022 15:01
 Operator : KP/MD
 Sample : N2832-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB12

Quant Time: May 20 02:52:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

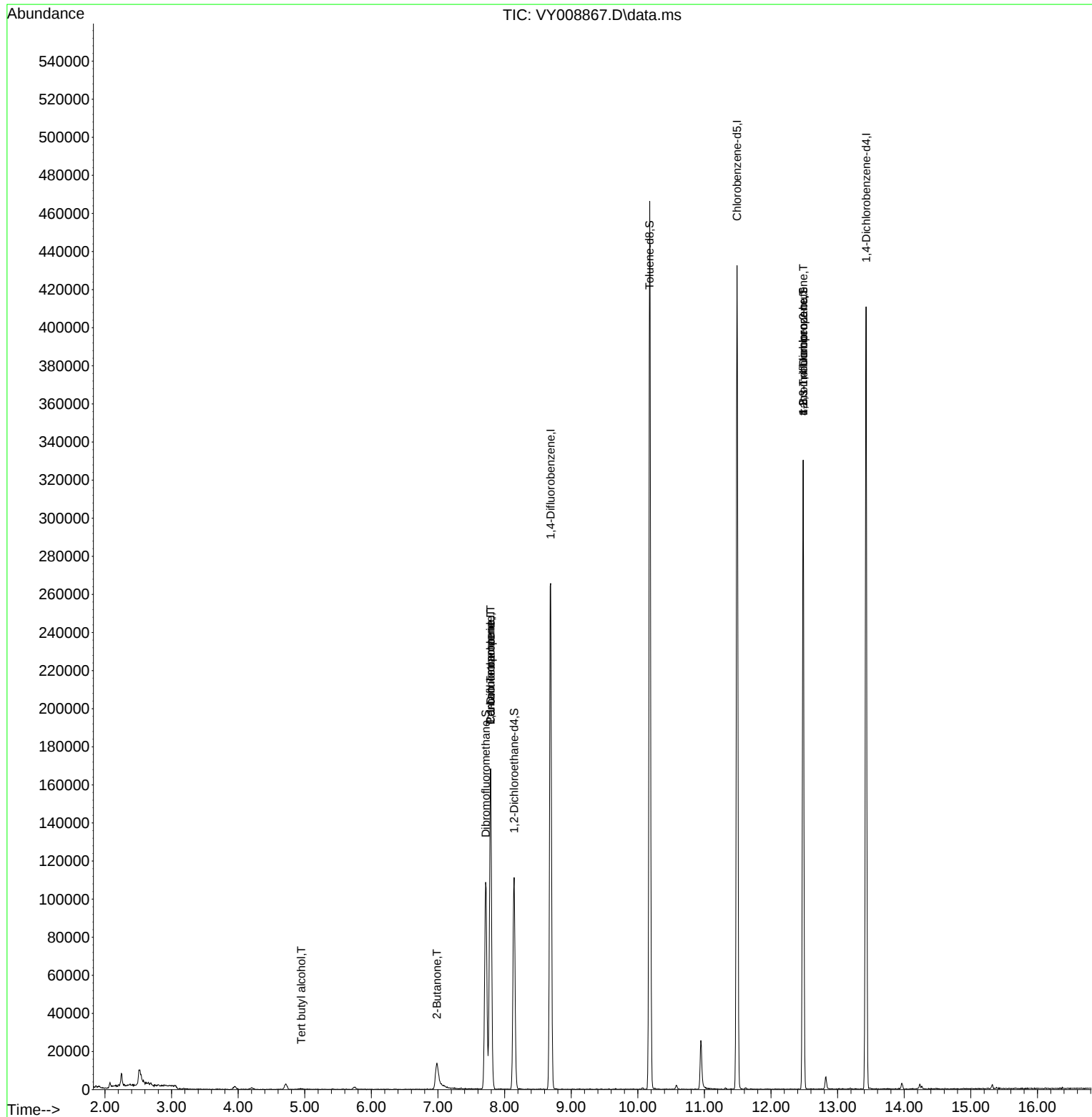
Internal Standards						
1) Pentafluorobenzene	7.789	168	124957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83627	72.140	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.280%	
35) Dibromofluoromethane	7.716	113	74762	55.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.460%	
50) Toluene-d8	10.179	98	292845	49.167	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.340%	
62) 4-Bromofluorobenzene	12.483	95	87170	41.594	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.180%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	768	Below Cal		93
3) Chloromethane	2.107	50	67	Below Cal	#	44
4) Vinyl Chloride	2.217	62	87	Below Cal	#	43
5) Bromomethane	2.656	94	218	Below Cal	#	10
6) Chloroethane	2.595	64	56	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	79	Below Cal	#	72
11) Tert butyl alcohol	4.948	59	201	1.569 ug/l	#	77
16) Acetone	3.948	43	2912	Below Cal	#	87
18) Methyl Acetate	4.478	43	43	Below Cal	#	56
20) Methylene Chloride	4.710	84	1958	Below Cal		83
25) 2-Butanone	6.984	43	943	1.938 ug/l	#	54
31) Cyclohexane	7.789	56	3023	Below Cal	#	25
36) 1,1-Dichloropropene	7.789	75	10425	4.852 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	12459	5.411 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	49457	43.608 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49457	95.383 ug/l	#	7

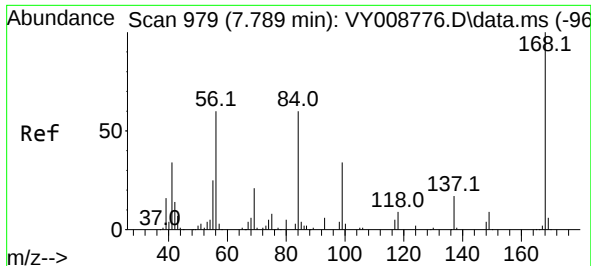
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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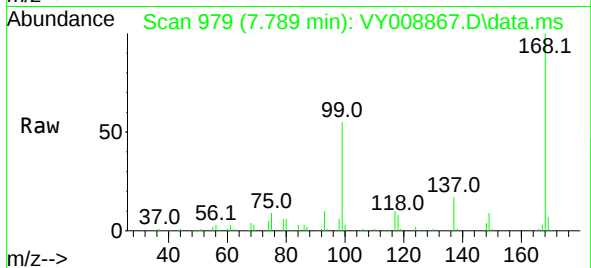
Quant Time: May 20 02:52:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
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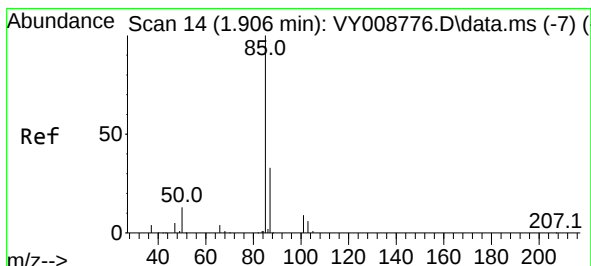
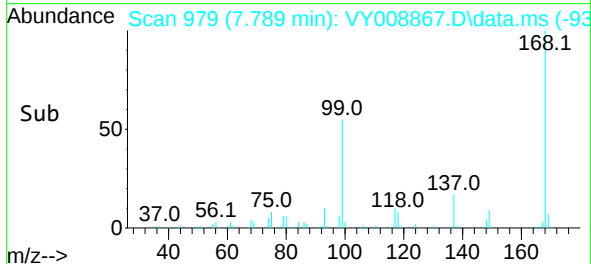
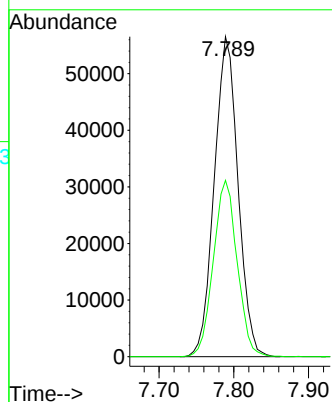


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Instrument :
MSVOA_D
ClientSampleId :
SB12

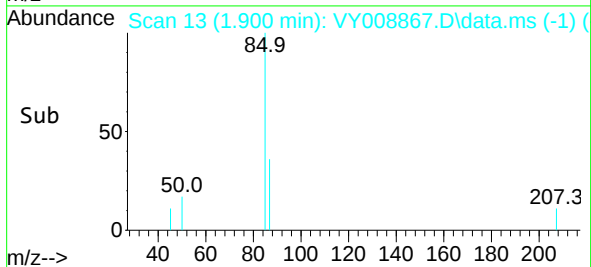
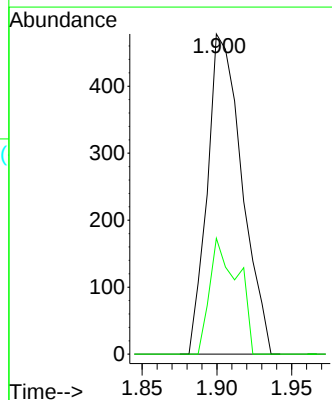
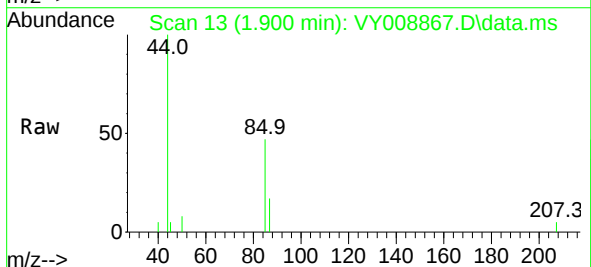


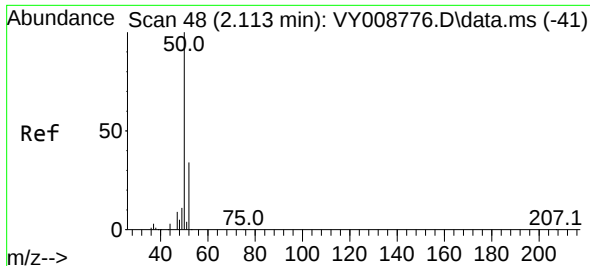
Tgt Ion:168 Resp: 124957
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 85 Resp: 768
Ion Ratio Lower Upper
85 100
87 36.2 16.1 48.2

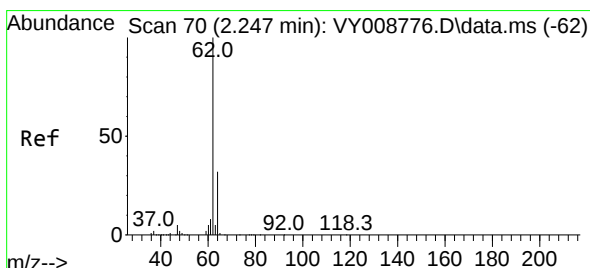
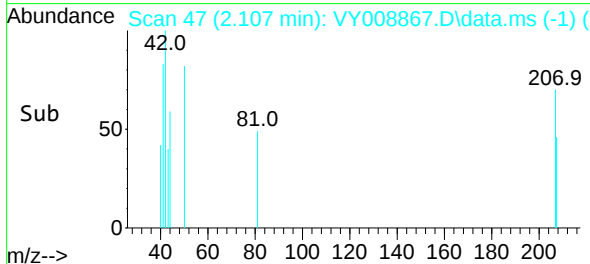
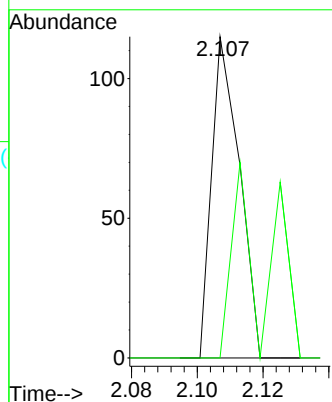
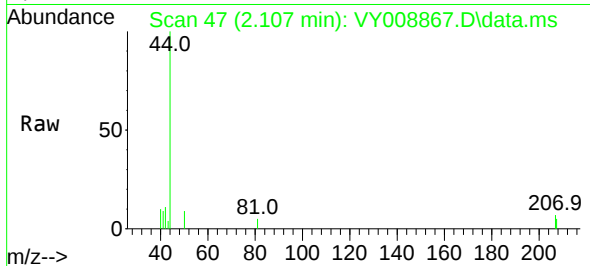




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

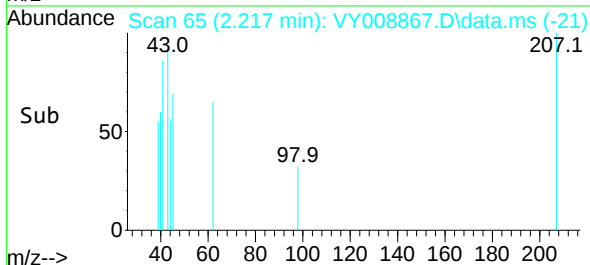
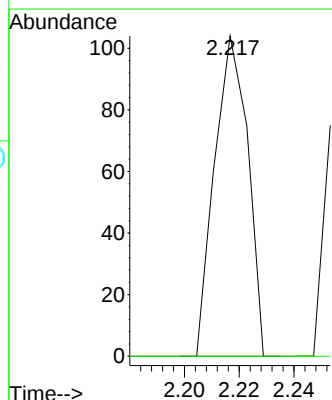
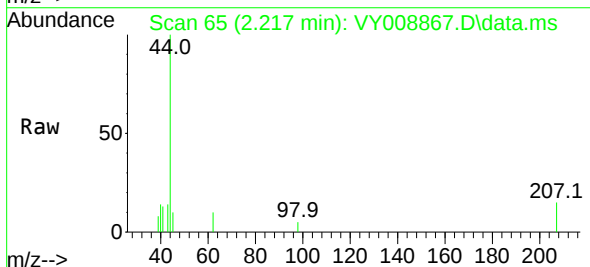
Instrument :
MSVOA_D
ClientSampleId :
SB12

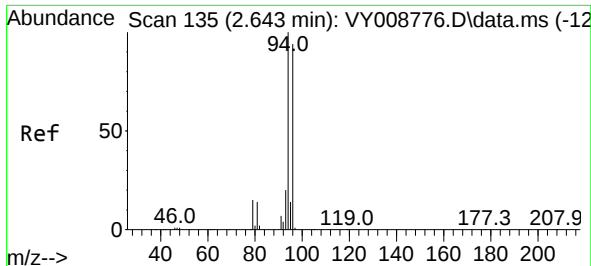
Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.217 min Scan# 65
Delta R.T. -0.030 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 62 Resp: 87
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

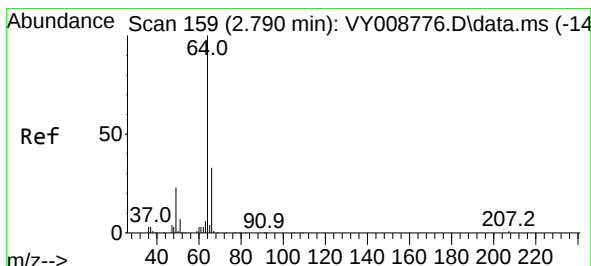
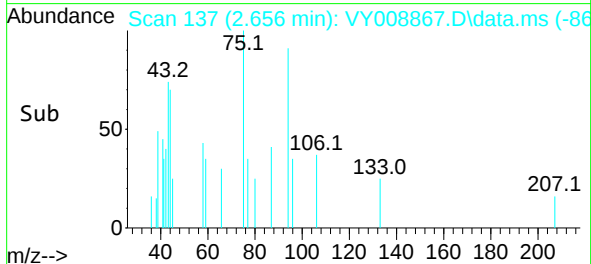
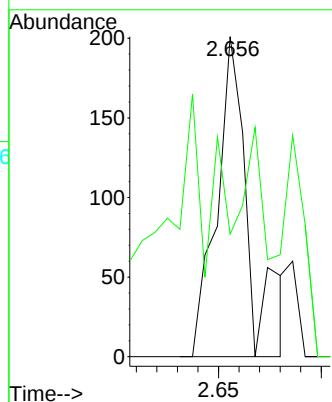
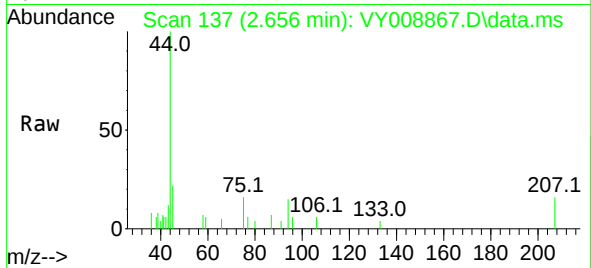




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

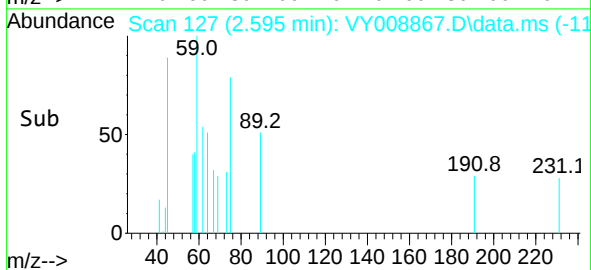
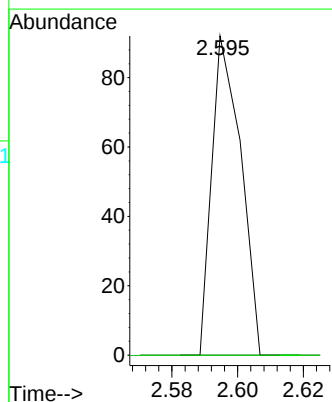
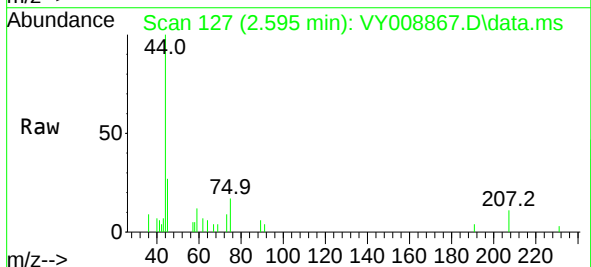
Instrument :
MSVOA_D
ClientSampleId :
SB12

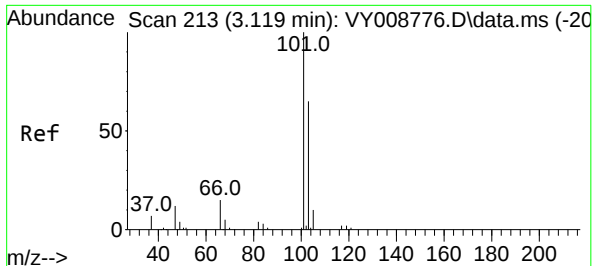
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 6.5 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.595 min Scan# 127
Delta R.T. -0.195 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

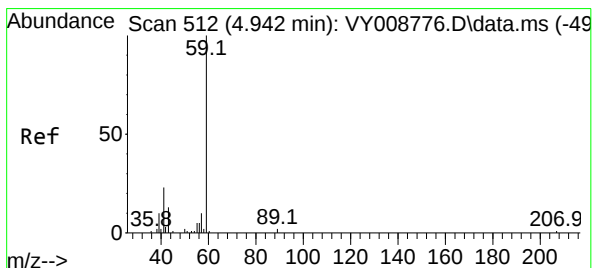
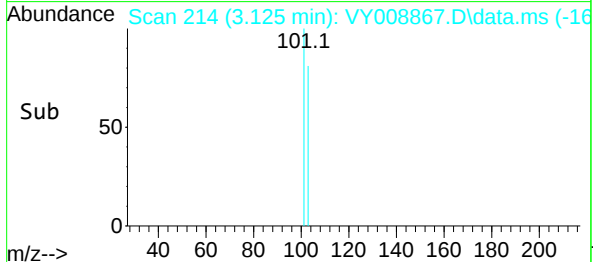
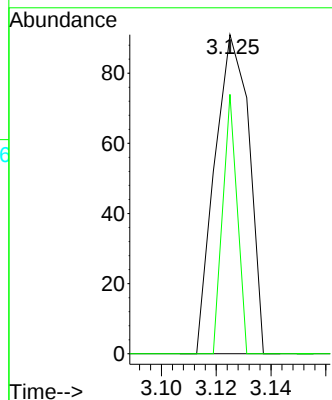
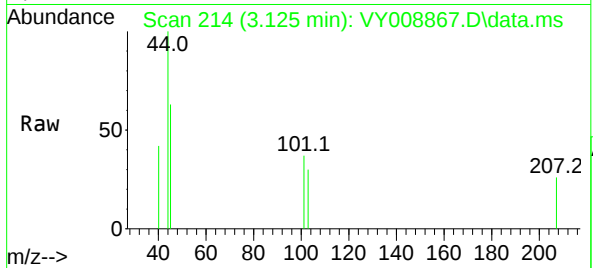




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

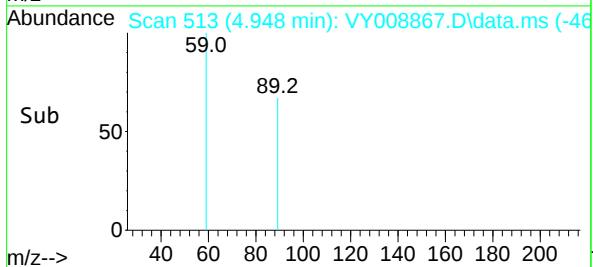
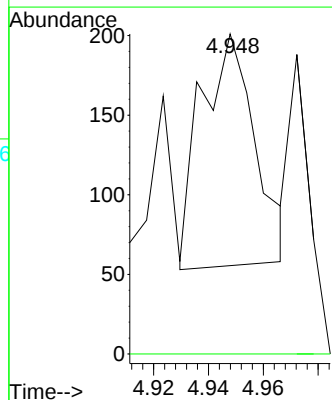
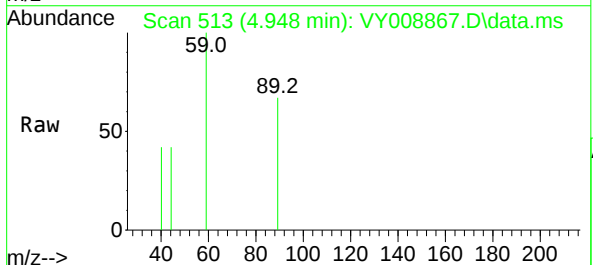
Instrument :
MSVOA_D
ClientSampleId :
SB12

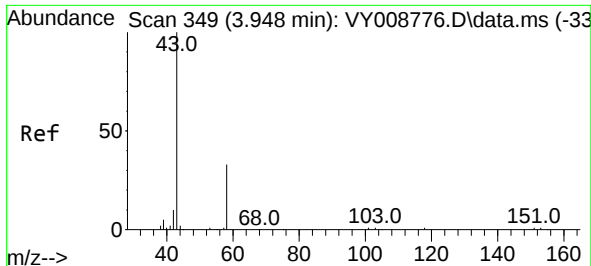
Tgt Ion:101 Resp: 79
Ion Ratio Lower Upper
101 100
103 81.3 48.0 72.0#



#11
Tert butyl alcohol
Concen: 1.569 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

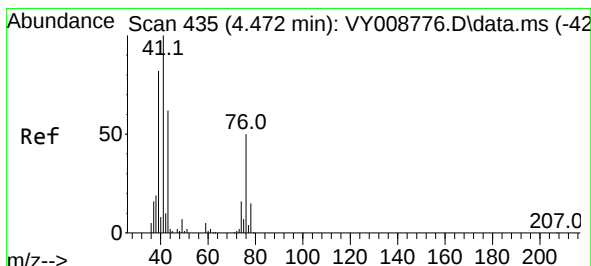
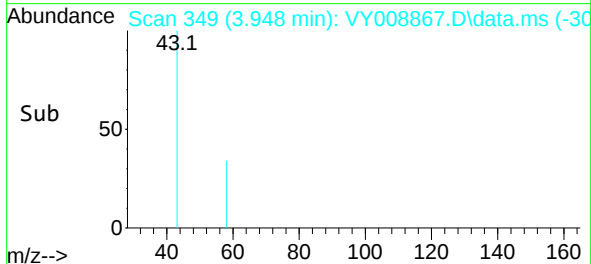
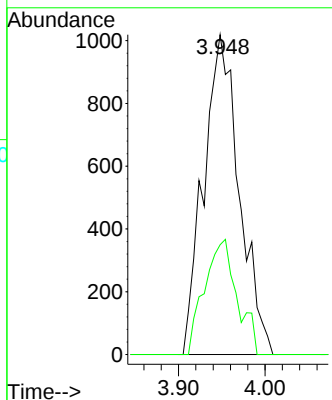
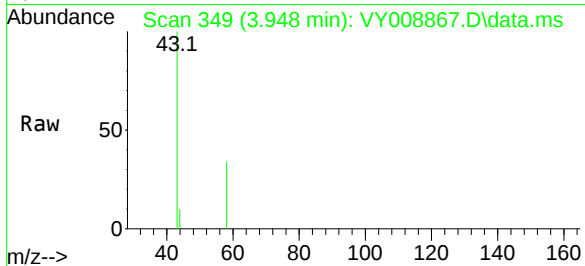




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

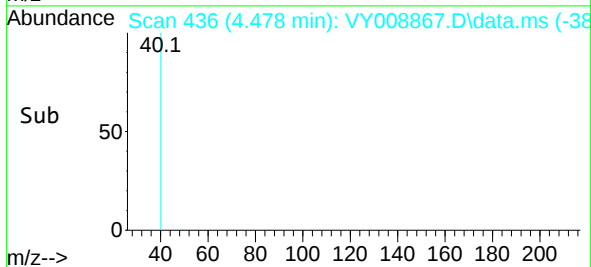
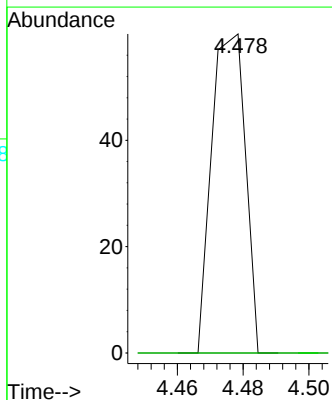
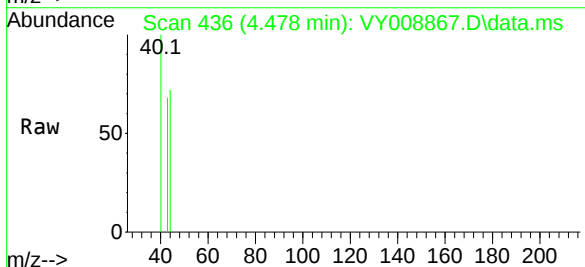
Instrument :
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ClientSampleId :
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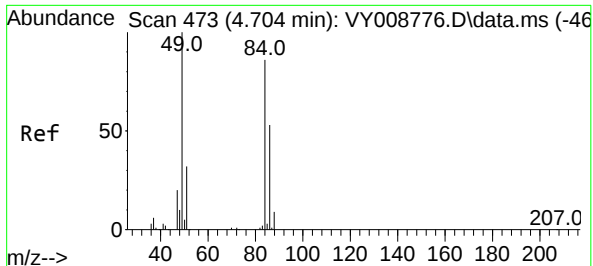
Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
58 34.3 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 43 Resp: 43
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

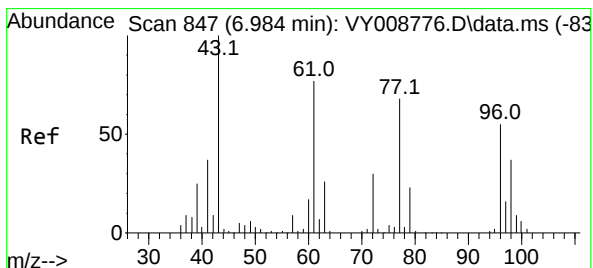
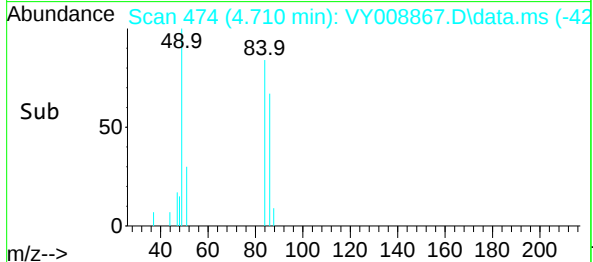
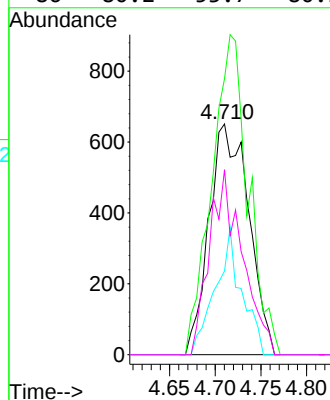
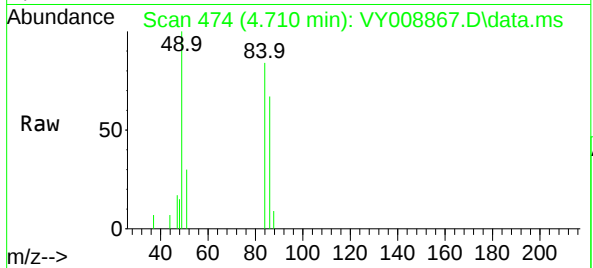




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

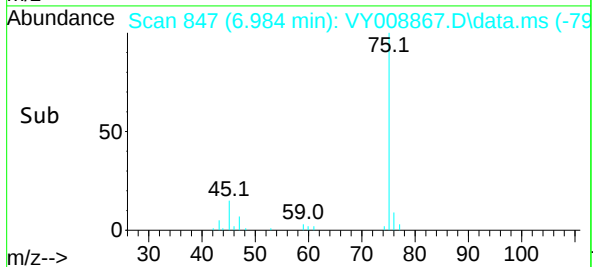
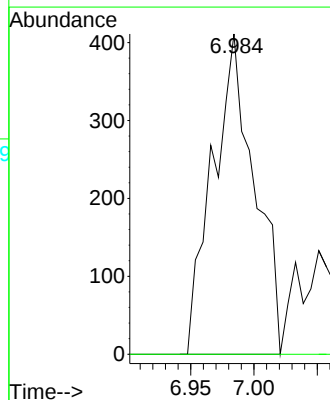
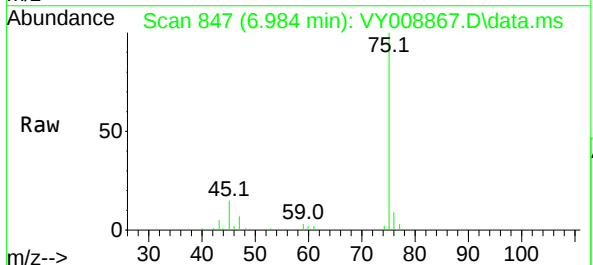
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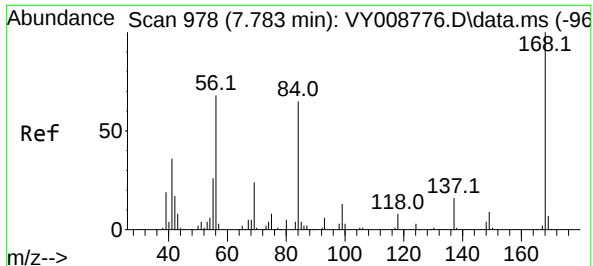
Tgt Ion: 84 Resp: 1958
Ion Ratio Lower Upper
84 100
49 119.7 114.4 171.6
51 36.3 35.3 52.9
86 80.2 53.7 80.5



#25
2-Butanone
Concen: 1.938 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

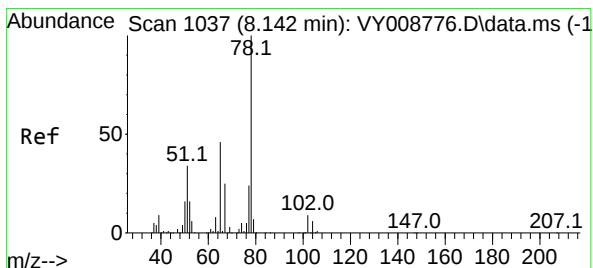
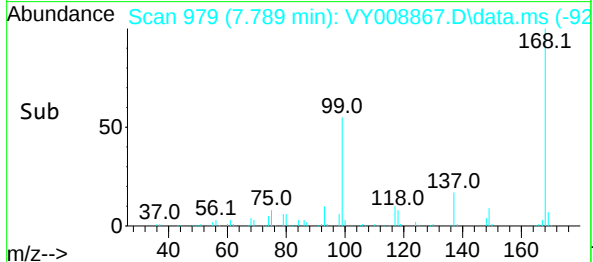
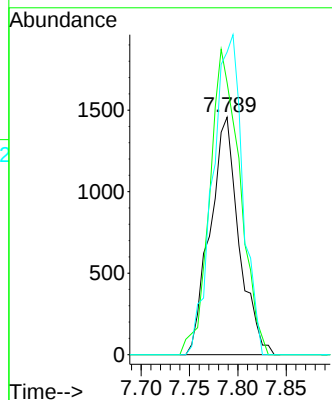
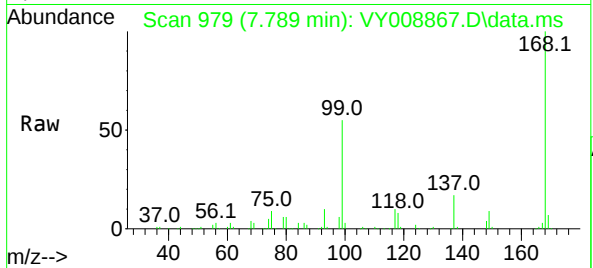




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

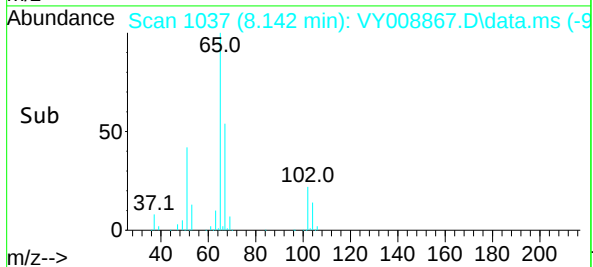
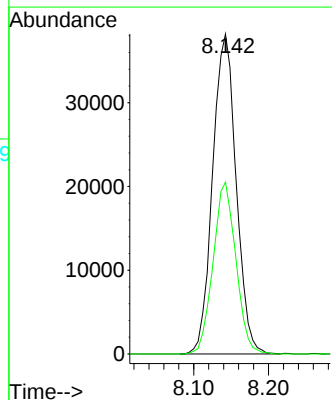
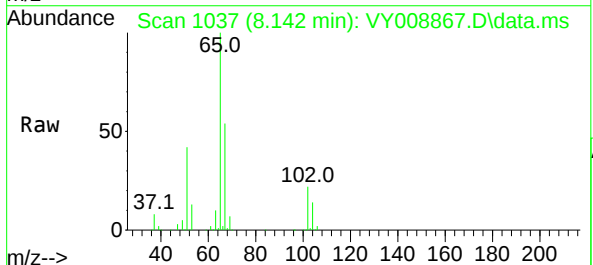
Instrument :
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ClientSampleId :
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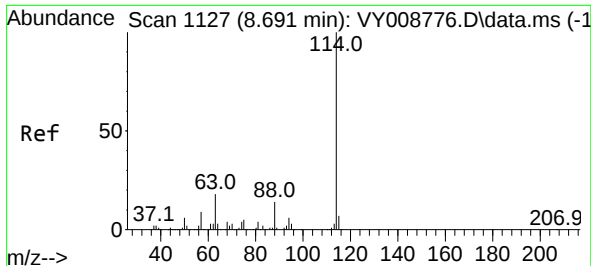
Tgt Ion: 56 Resp: 3023
Ion Ratio Lower Upper
56 100
69 114.6 26.7 40.1#
84 127.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 72.140 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 65 Resp: 83627
Ion Ratio Lower Upper
65 100
67 52.1 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: VY008867.D

Acq: 19 May 2022 15:01

Instrument :

MSVOA_D

ClientSampleId :

SB12

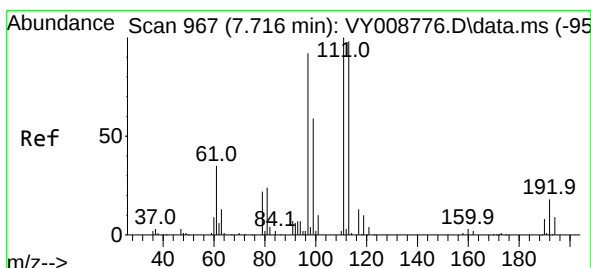
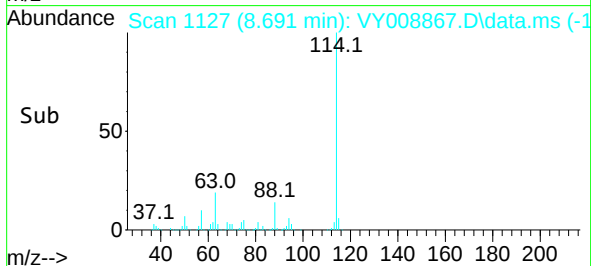
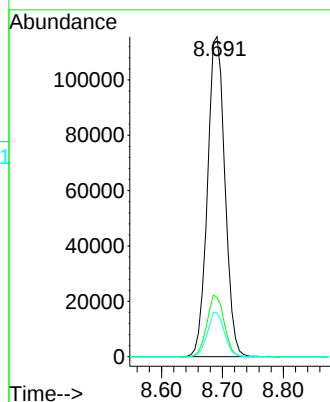
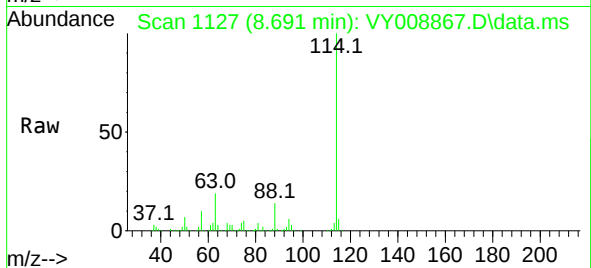
Tgt Ion:114 Resp: 229602

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.730 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008867.D

Acq: 19 May 2022 15:01

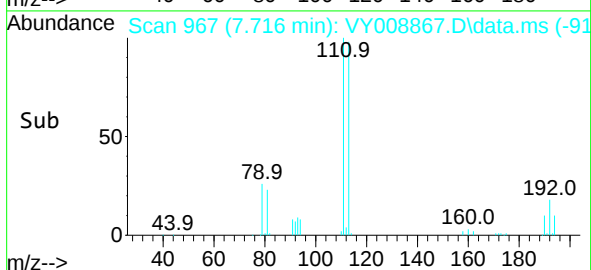
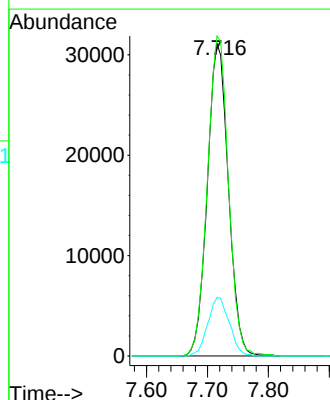
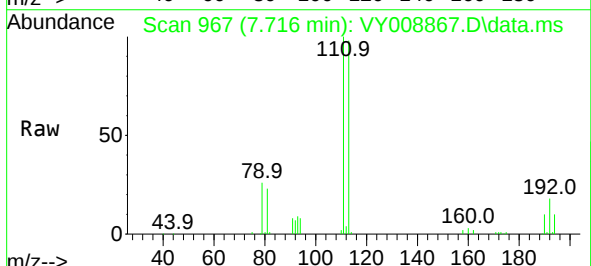
Tgt Ion:113 Resp: 74762

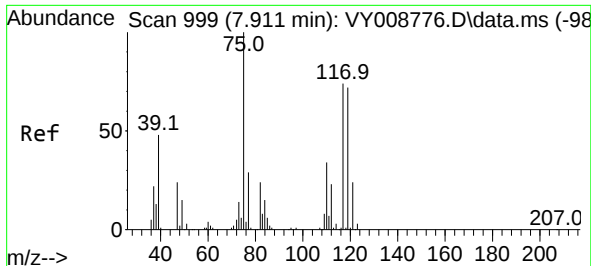
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.1 17.6 26.4

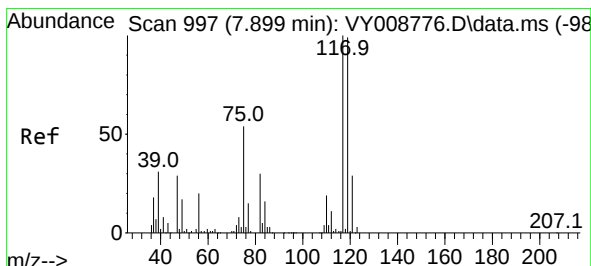
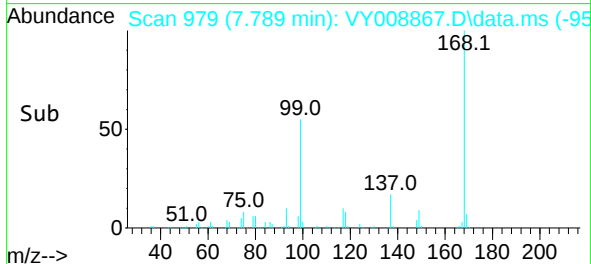
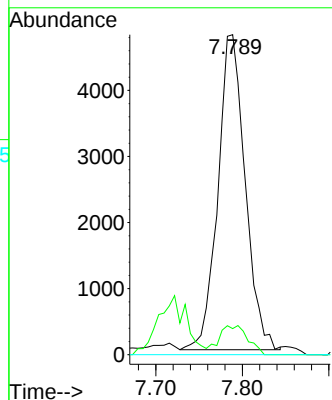
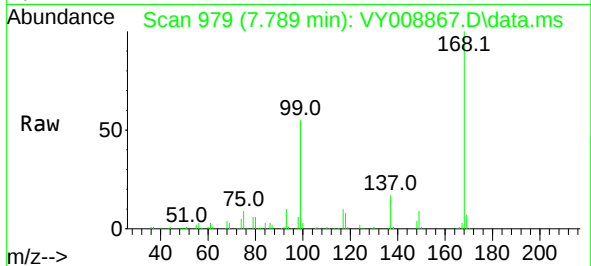




#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.789 min Scan# 912
 Delta R.T. -0.122 min
 Lab File: VY008867.D
 Acq: 19 May 2022 15:01

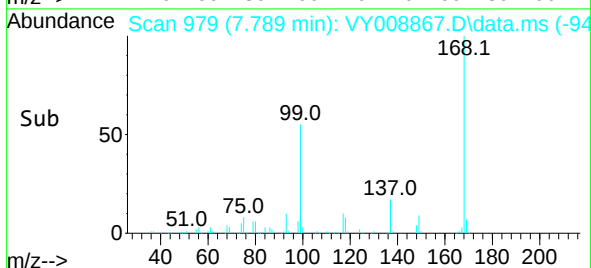
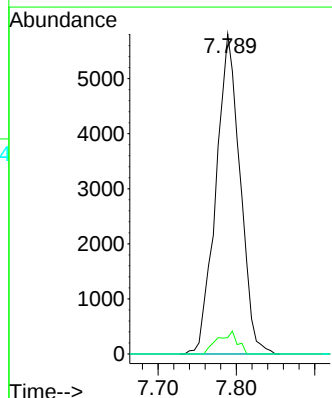
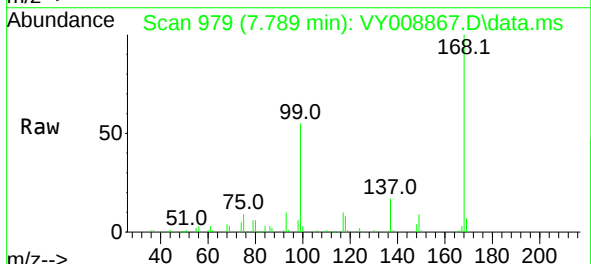
Instrument :
 MSVOA_D
 ClientSampleId :
 SB12

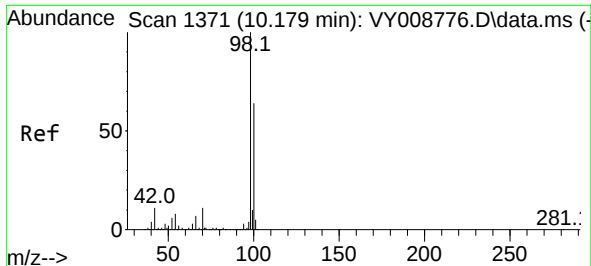
Tgt Ion: 75 Resp: 10425
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.411 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008867.D
 Acq: 19 May 2022 15:01

Tgt Ion: 117 Resp: 12459
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.9 116.9#
 121 0.0 24.8 37.2#

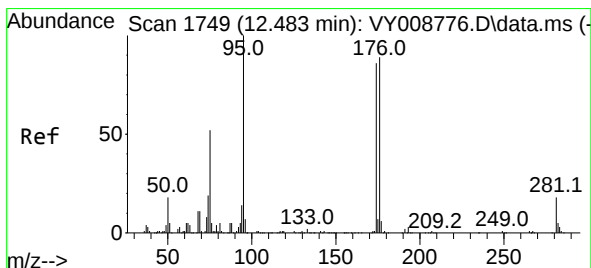
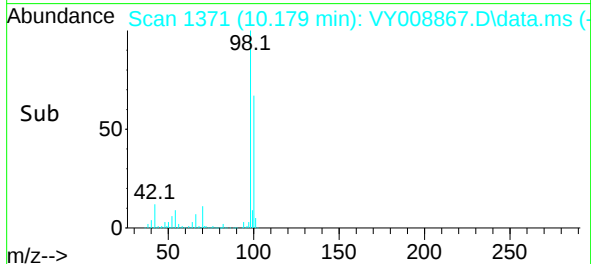
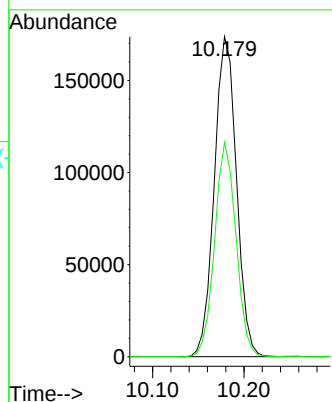
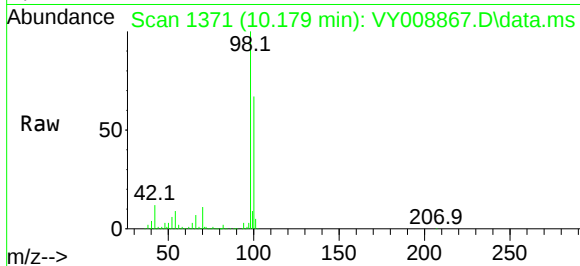




#50
Toluene-d8
Concen: 49.167 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

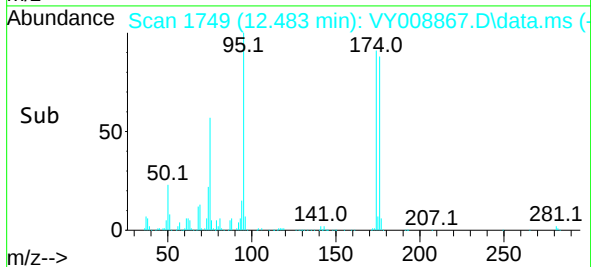
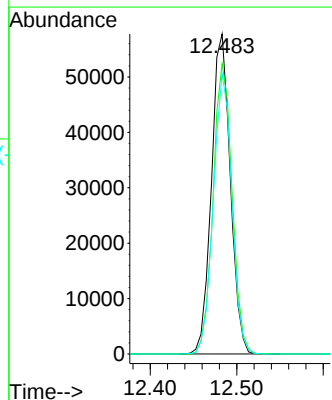
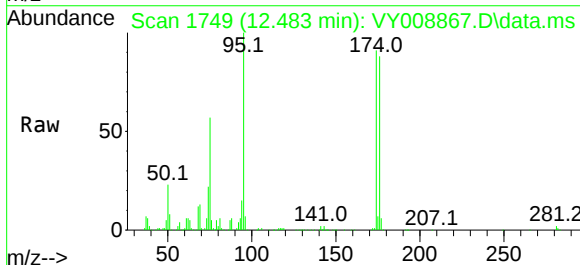
Instrument :
MSVOA_D
ClientSampleId :
SB12

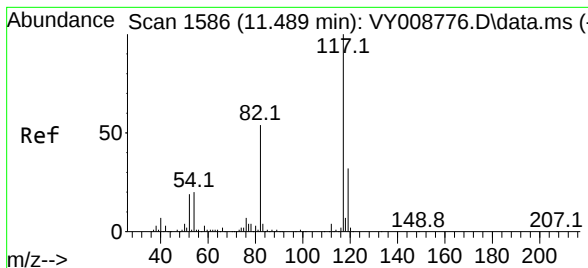
Tgt Ion: 98 Resp: 292845
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.594 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 95 Resp: 87170
Ion Ratio Lower Upper
95 100
174 91.5 0.0 177.0
176 86.3 0.0 175.8

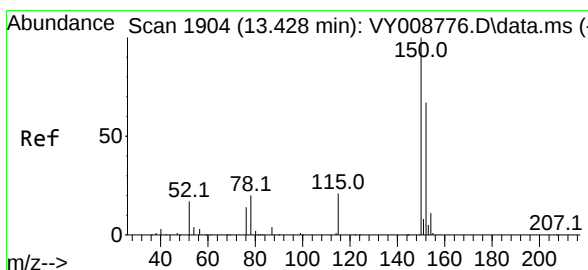
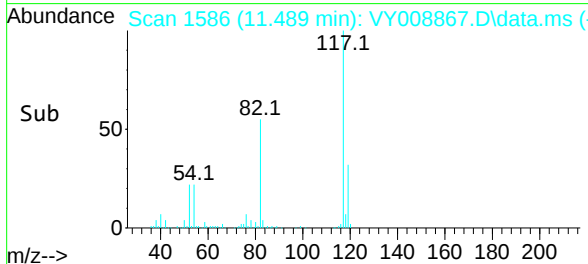
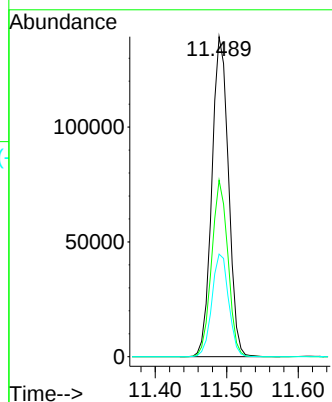
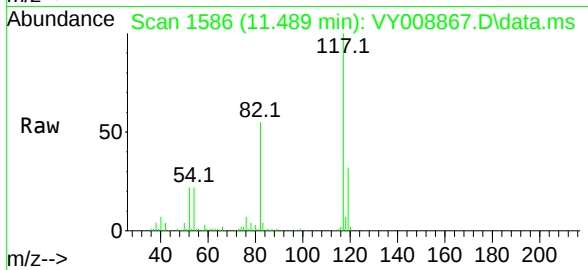




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

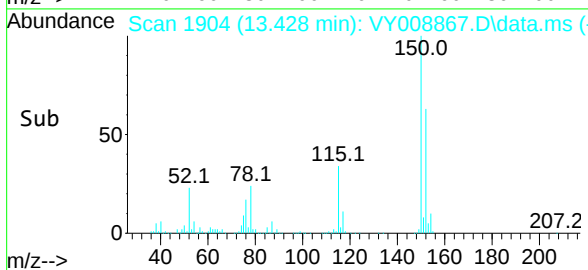
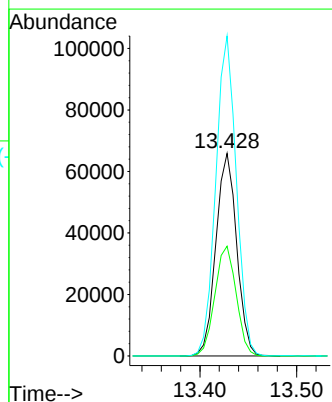
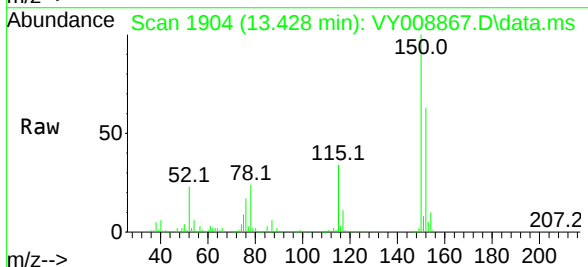
Instrument :
MSVOA_D
ClientSampleId :
SB12

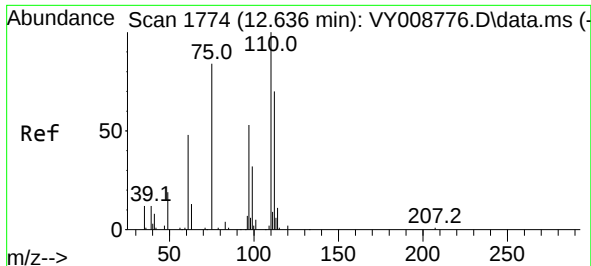
Tgt Ion:117 Resp: 224806
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion:152 Resp: 98181
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 156.2 0.0 347.6

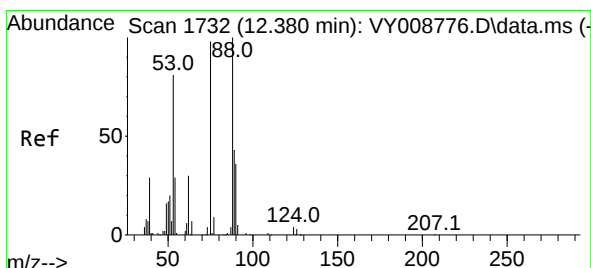
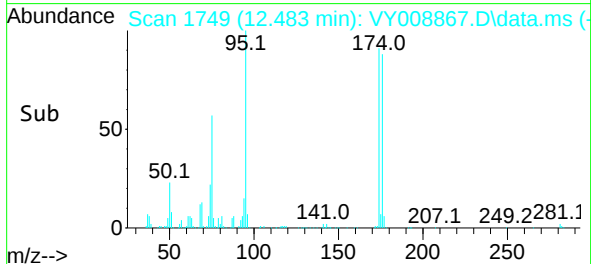
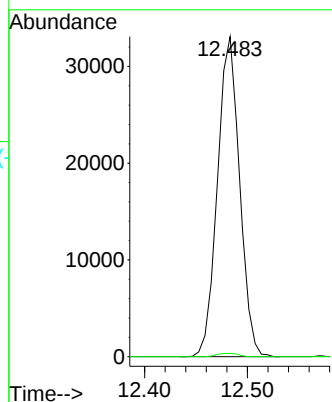
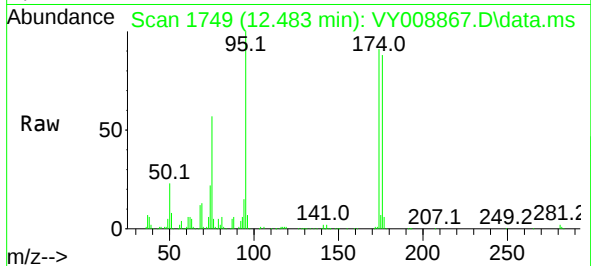




#76
1,2,3-Trichloropropane
Concen: 43.608 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Instrument :
MSVOA_D
ClientSampleId :
SB12

Tgt Ion: 75 Resp: 49457
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.383 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008867.D
Acq: 19 May 2022 15:01

Tgt Ion: 75 Resp: 49457
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

