

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008869.D
 Acq On : 19 May 2022 15:48
 Operator : KP/MD
 Sample : N2832-11
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB13

Quant Time: May 20 02:52:22 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)

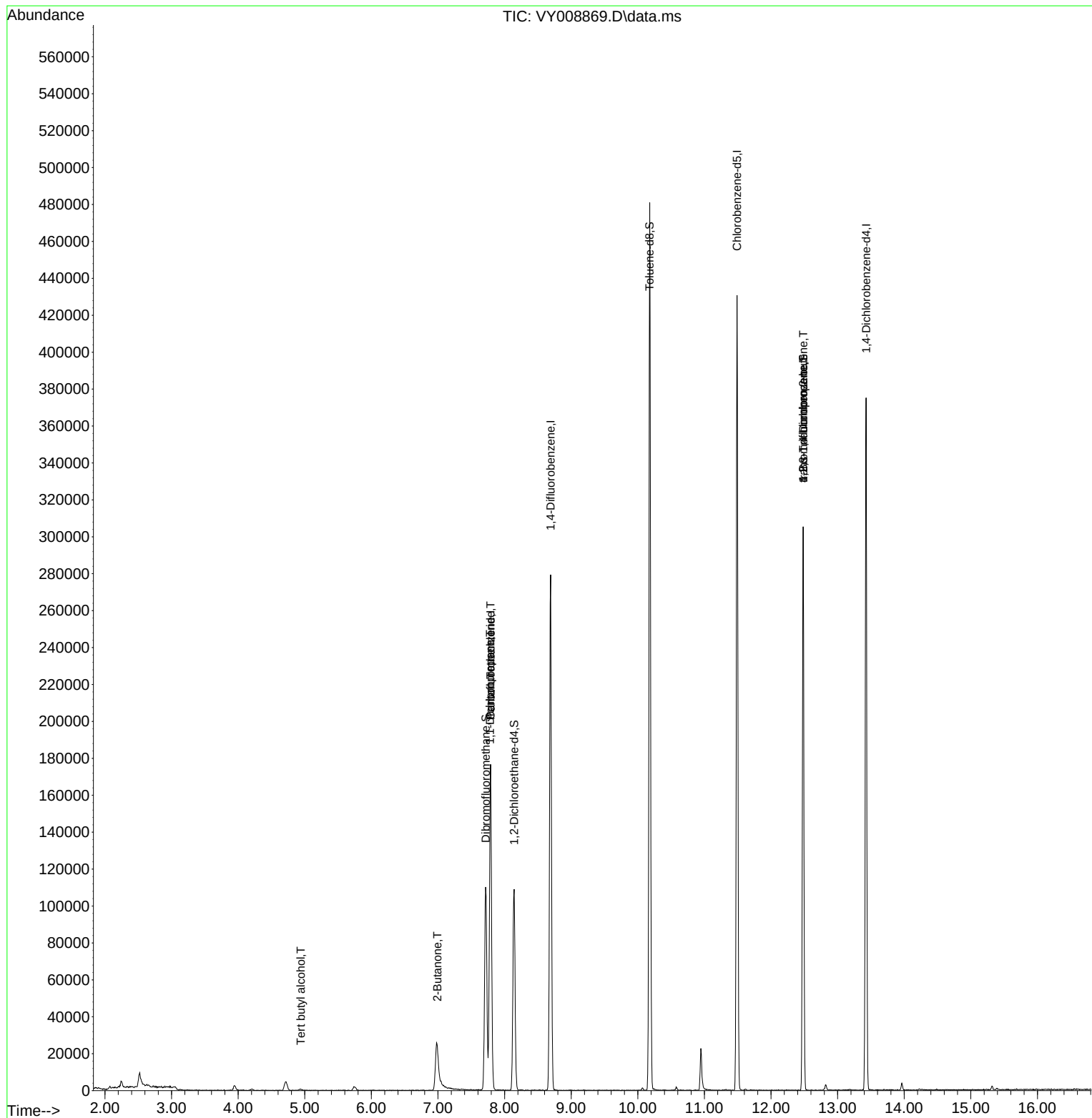
Internal Standards						
1) Pentafluorobenzene	7.789	168	133551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	233061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	222641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82774	66.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.620%	
35) Dibromofluoromethane	7.716	113	76545	56.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.420%	
50) Toluene-d8	10.179	98	297150	49.150	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.483	95	82518	39.025	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.040%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	442	Below Cal		88
3) Chloromethane	2.113	50	193	Below Cal	#	44
4) Vinyl Chloride	2.260	62	40	Below Cal	#	43
5) Bromomethane	2.656	94	40	Below Cal		92
6) Chloroethane	2.948	64	68	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	98	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	718	5.244 ug/l	#	77
16) Acetone	3.942	43	4314	Below Cal		93
18) Methyl Acetate	4.631	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	3724	Below Cal	#	81
25) 2-Butanone	6.990	43	1983	3.814 ug/l		99
31) Cyclohexane	7.783	56	3191	Below Cal	#	22
36) 1,1-Dichloropropene	7.783	75	10976	5.033 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	12875	5.508 ug/l	#	14
76) 1,2,3-Trichloropropane	12.483	75	47620	46.087 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47620	100.805 ug/l	#	7

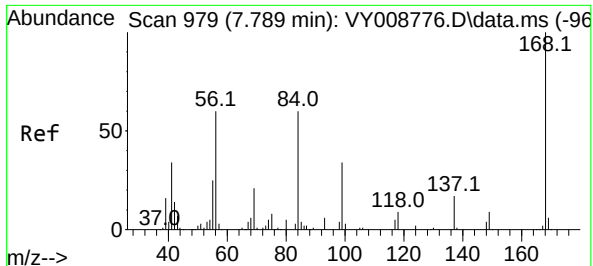
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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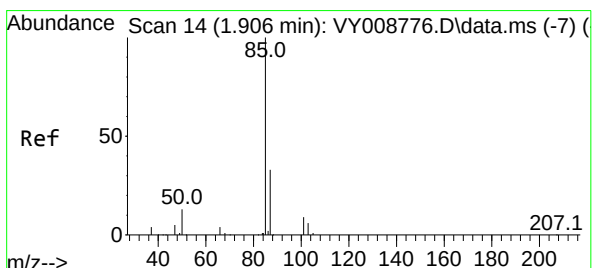
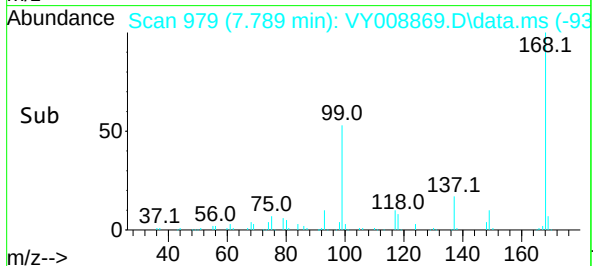
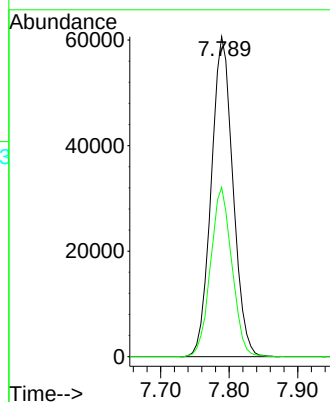
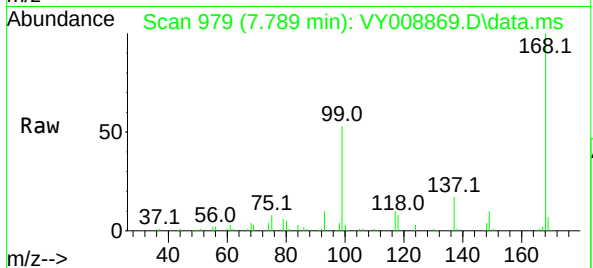




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

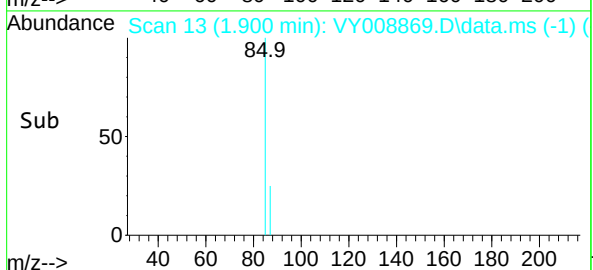
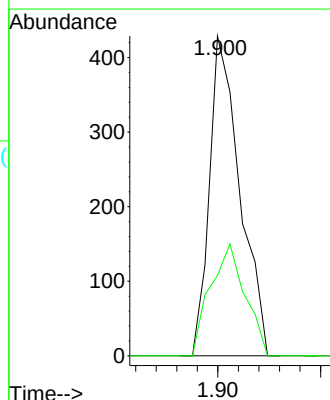
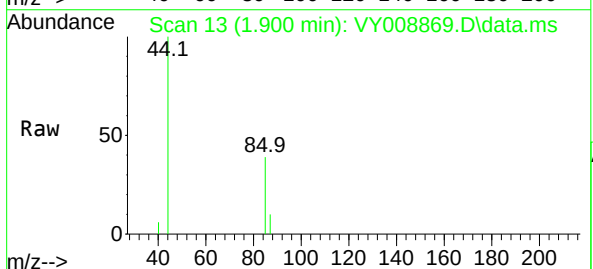
Instrument :
MSVOA_D
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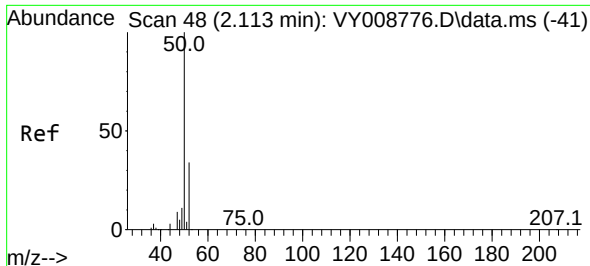
Tgt Ion:168 Resp: 133551
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 85 Resp: 442
Ion Ratio Lower Upper
85 100
87 25.2 16.1 48.2

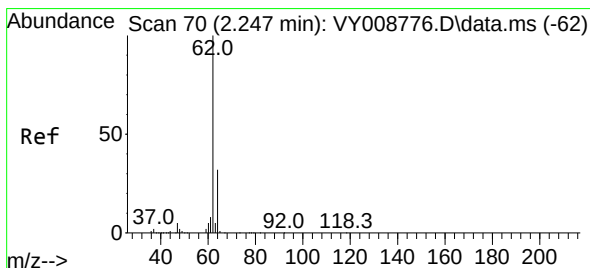
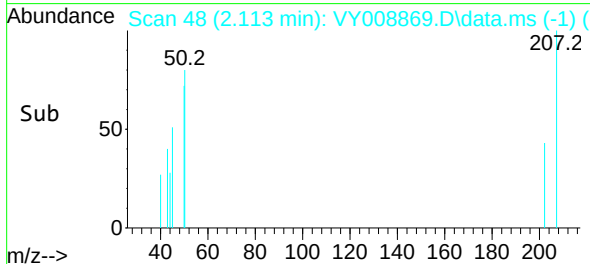
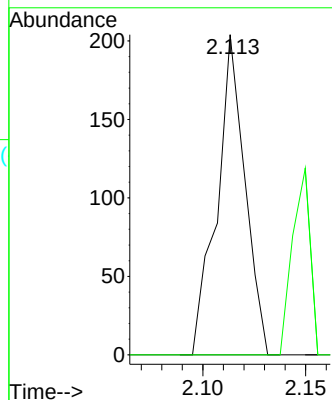
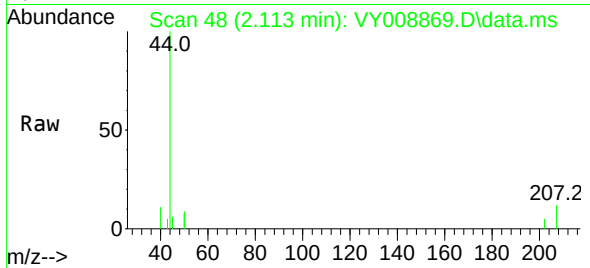




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

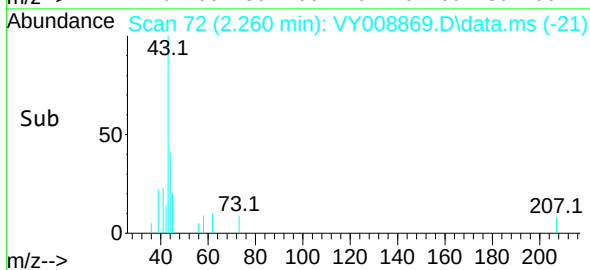
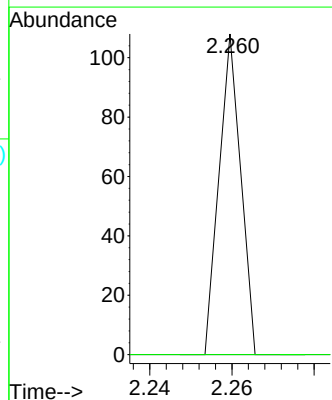
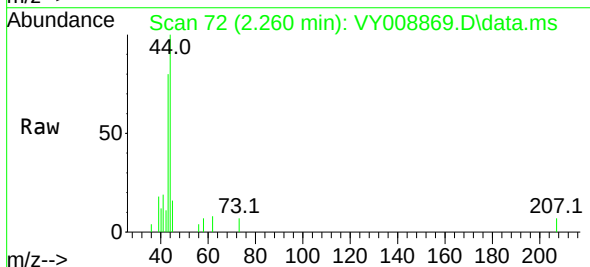
Instrument :
MSVOA_D
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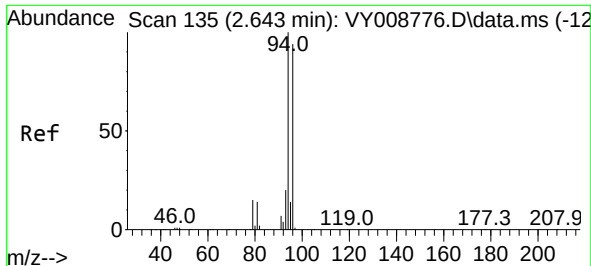
Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.260 min Scan# 72
Delta R.T. 0.013 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 62 Resp: 40
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

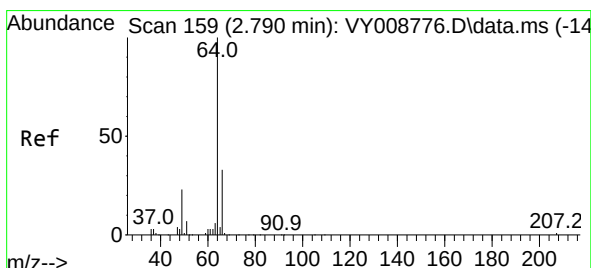
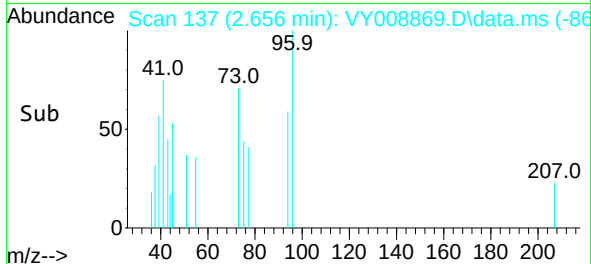
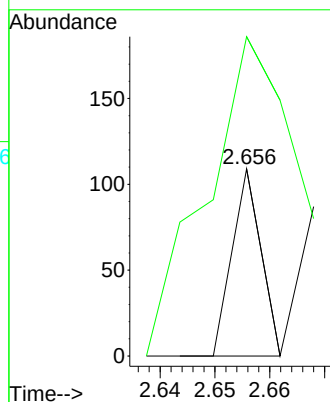
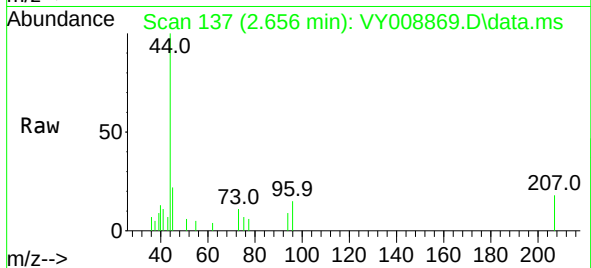




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

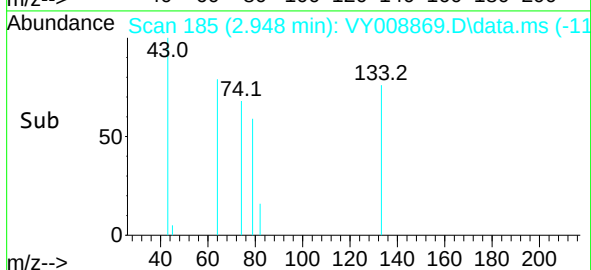
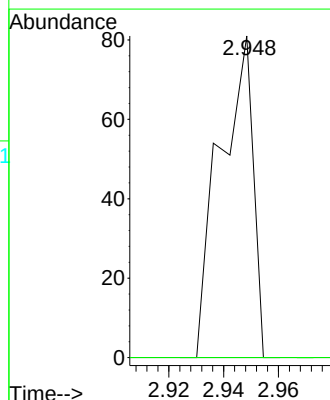
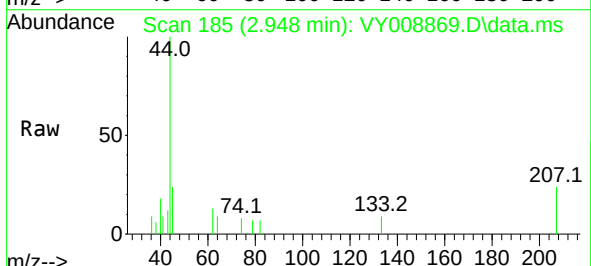
Instrument :
MSVOA_D
ClientSampleId :
SB13

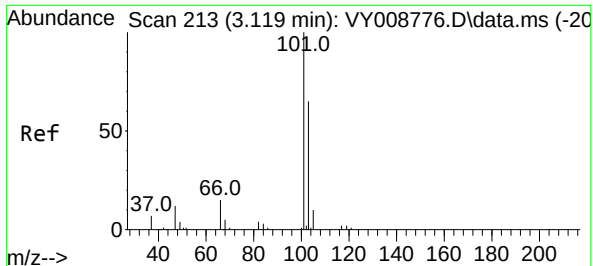
Tgt Ion: 94 Resp: 40
Ion Ratio Lower Upper
94 100
96 99.1 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.948 min Scan# 185
Delta R.T. 0.158 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

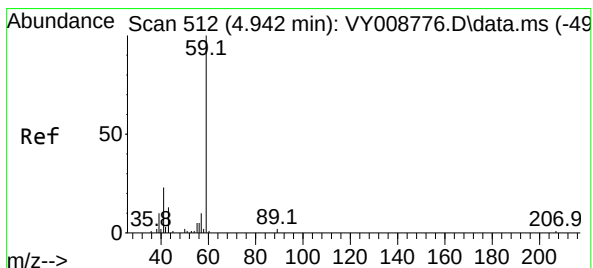
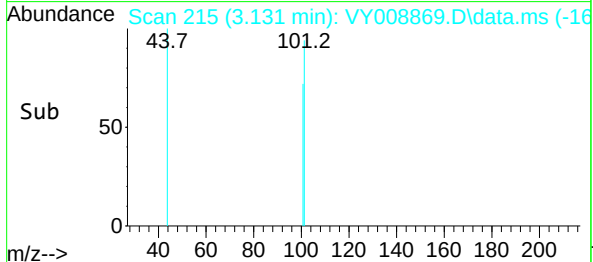
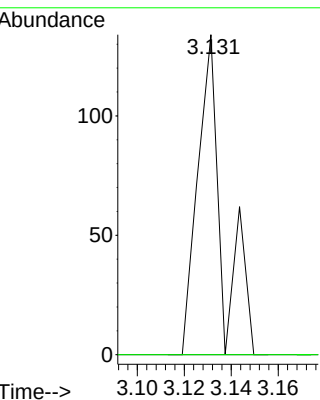
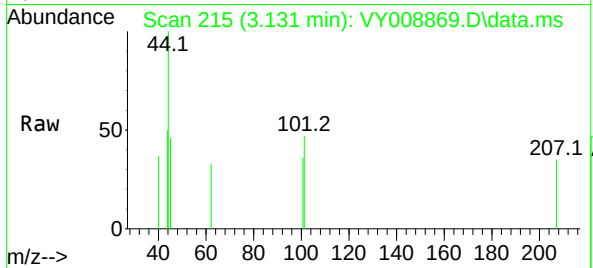




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

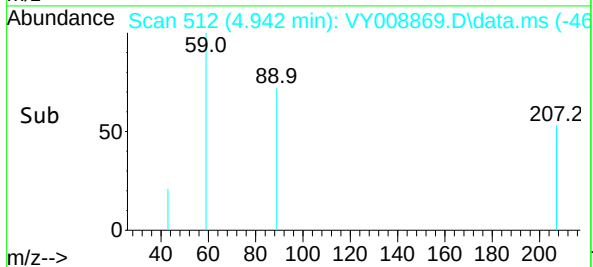
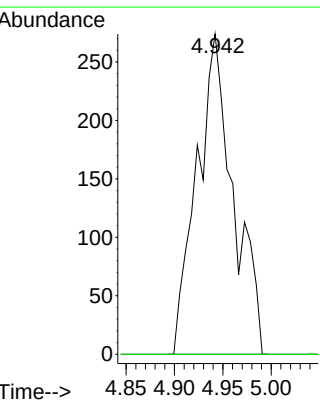
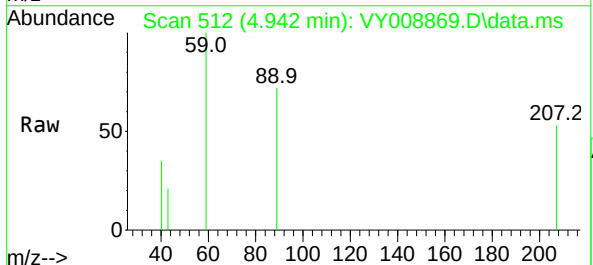
Instrument :
MSVOA_D
ClientSampleId :
SB13

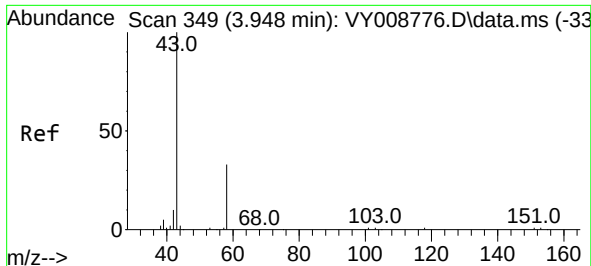
Tgt Ion:101 Resp: 98
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 5.244 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 59 Resp: 718
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

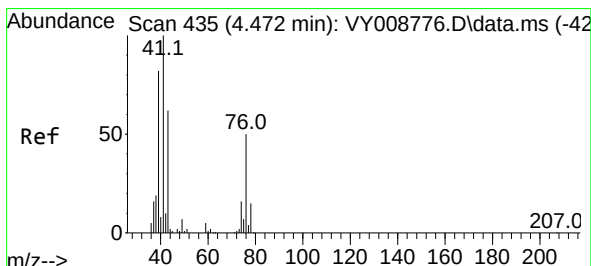
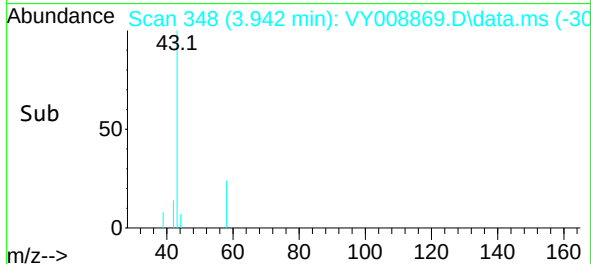
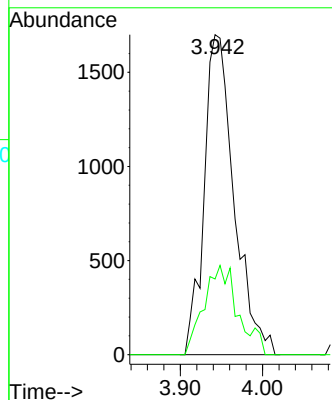
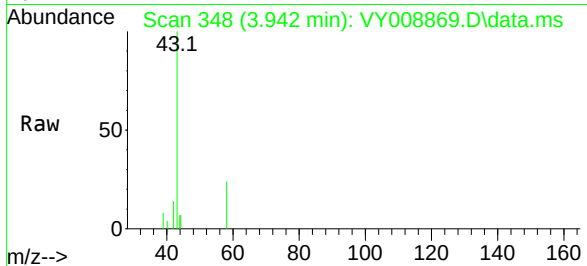




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

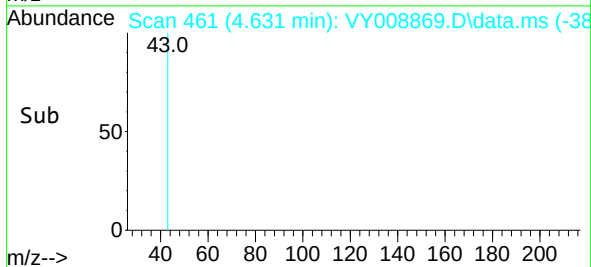
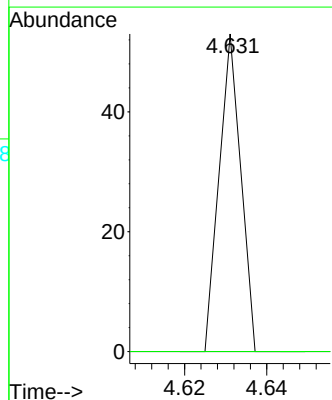
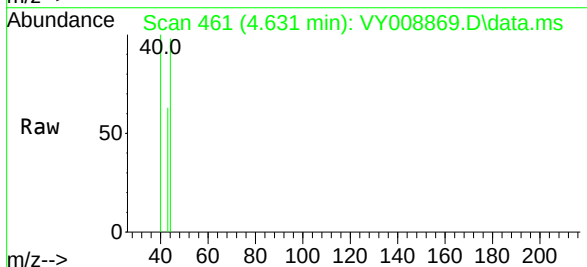
Instrument :
MSVOA_D
ClientSampleId :
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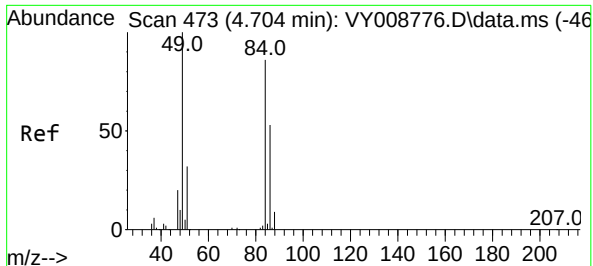
Tgt Ion: 43 Resp: 4314
Ion Ratio Lower Upper
43 100
58 23.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.631 min Scan# 461
Delta R.T. 0.159 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

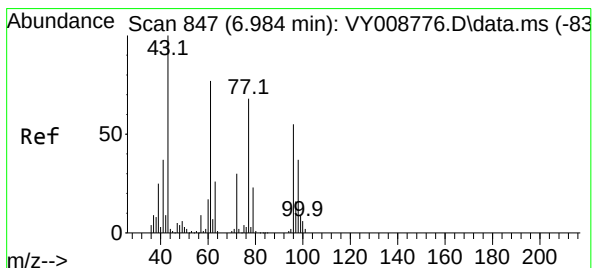
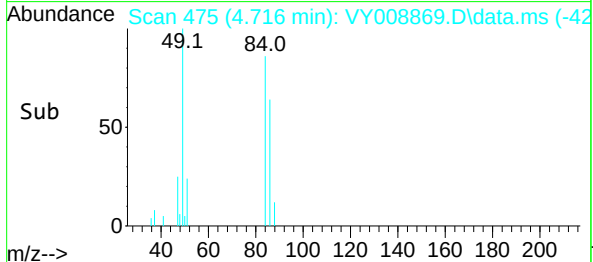
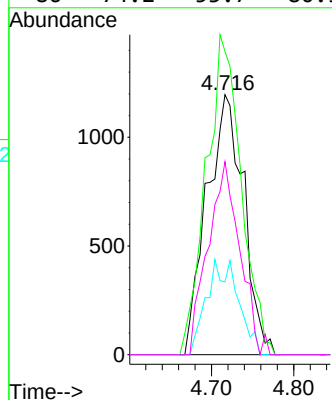
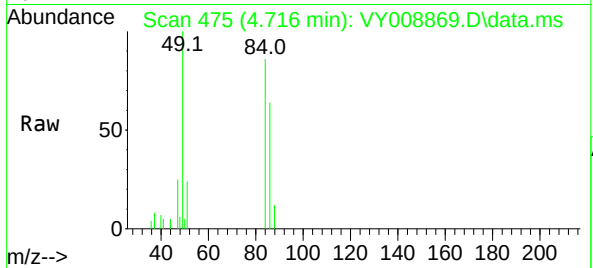




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

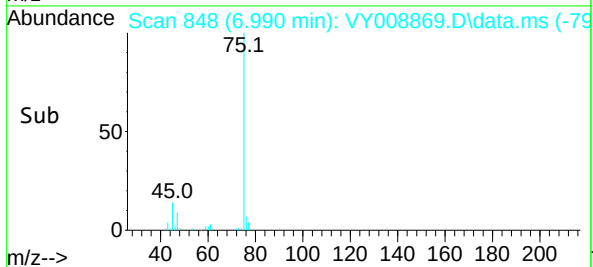
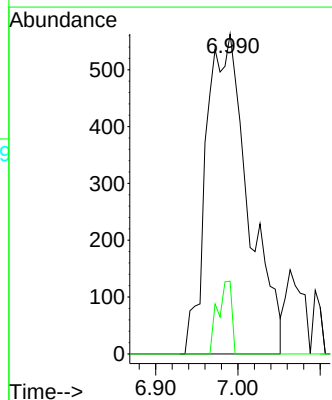
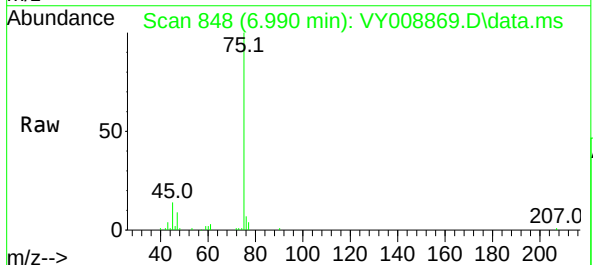
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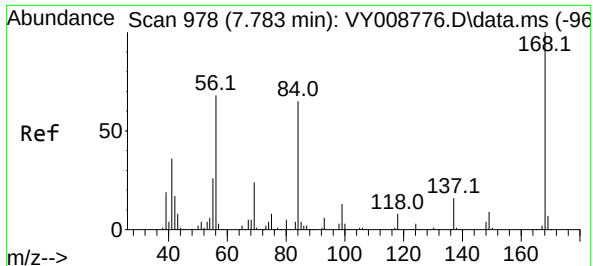
Tgt Ion: 84 Resp: 3724
Ion Ratio Lower Upper
84 100
49 116.6 114.4 171.6
51 28.0 35.3 52.9#
86 74.2 53.7 80.5



#25
2-Butanone
Concen: 3.814 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

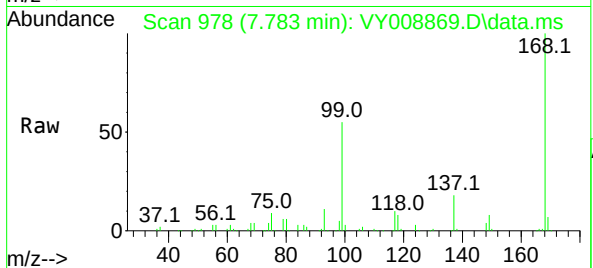
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
72 22.7 17.7 26.5



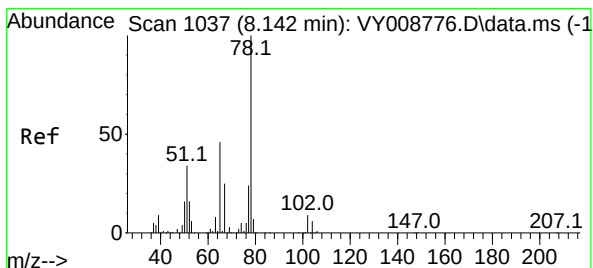
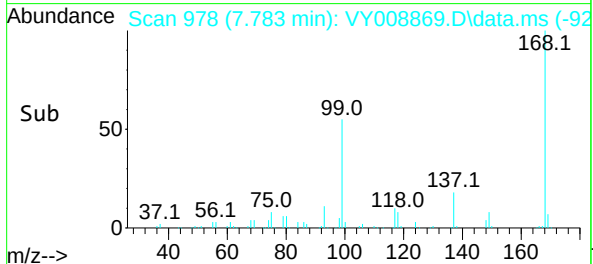
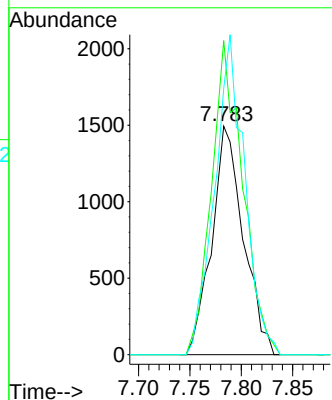


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Instrument :
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ClientSampleId :
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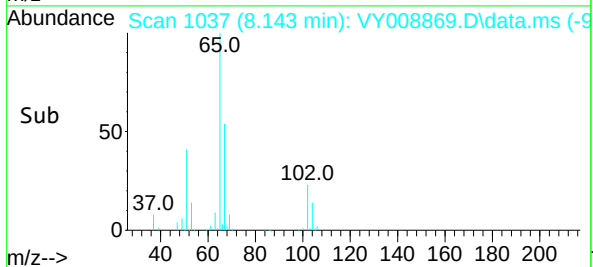
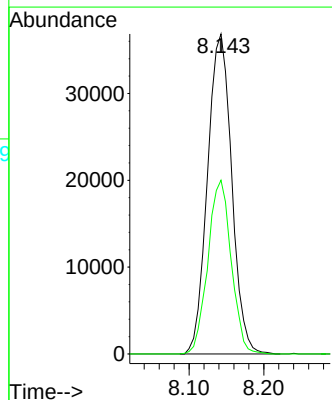
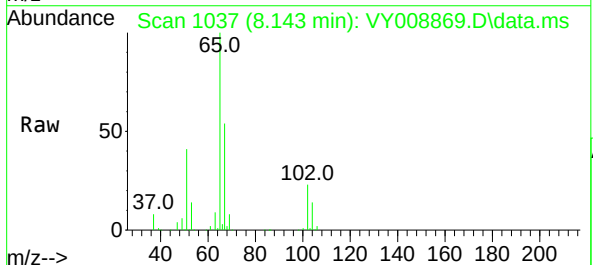


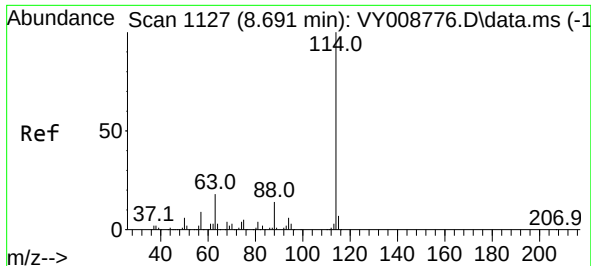
Tgt Ion: 56 Resp: 3191
Ion Ratio Lower Upper
56 100
69 137.4 26.7 40.1#
84 116.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 66.809 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 65 Resp: 82774
Ion Ratio Lower Upper
65 100
67 52.3 0.0 99.4

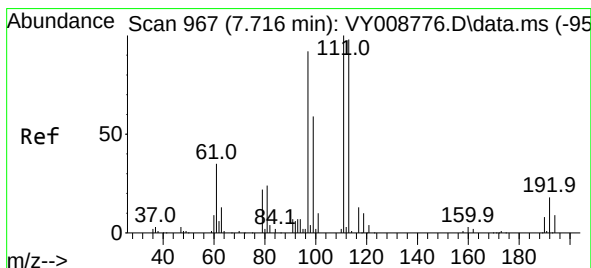
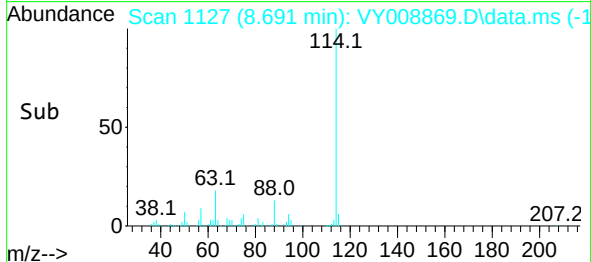
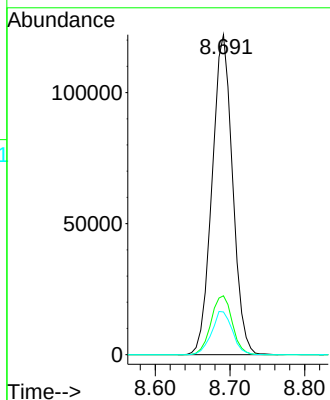
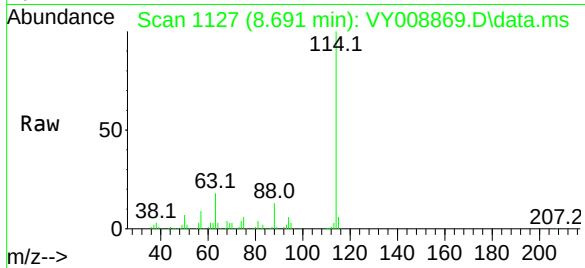




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

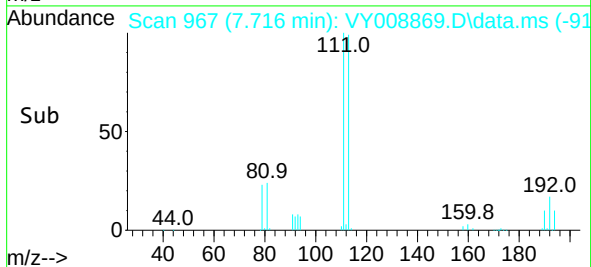
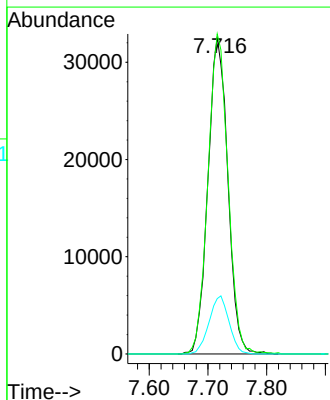
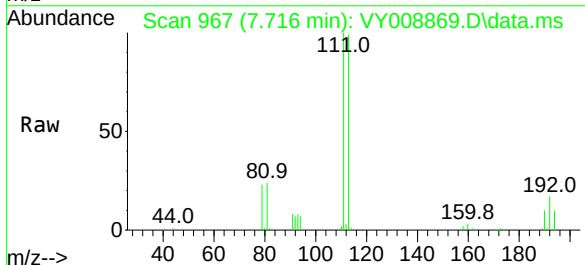
Instrument :
MSVOA_D
ClientSampleId :
SB13

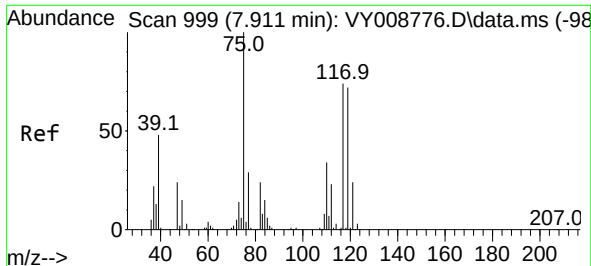
Tgt Ion:114 Resp: 233061
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.2
88 13.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.212 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion:113 Resp: 76545
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 18.4 17.6 26.4

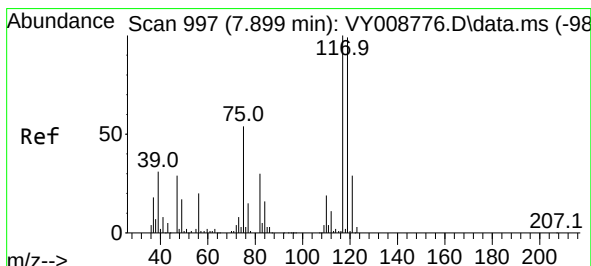
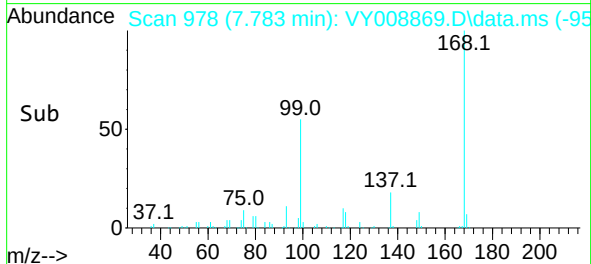
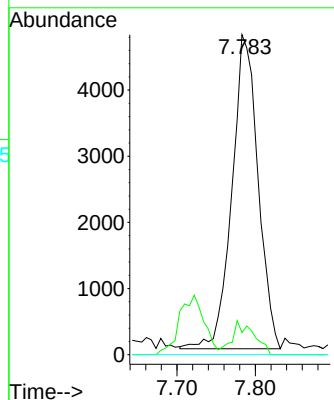
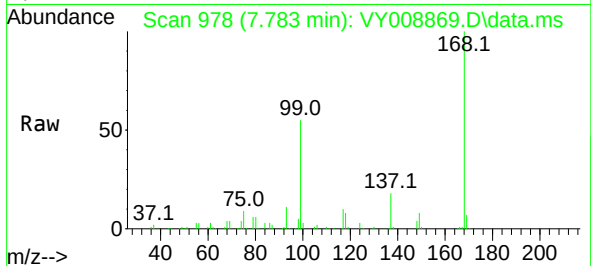




#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008869.D
 Acq: 19 May 2022 15:48

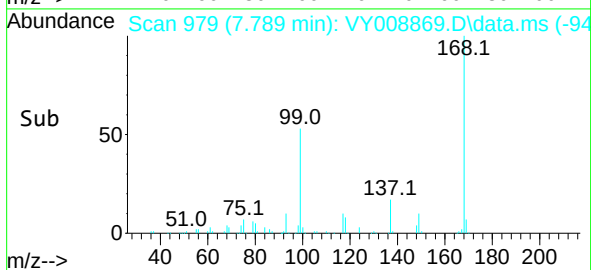
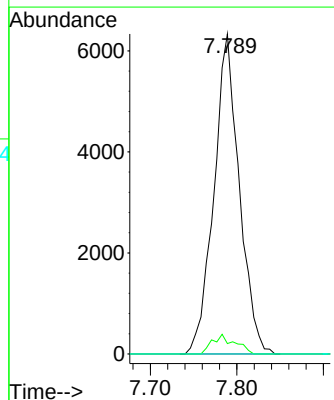
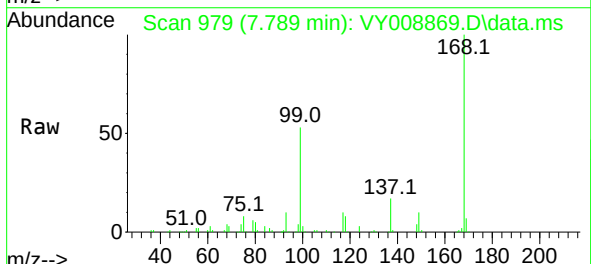
Instrument :
 MSVOA_D
 ClientSampleId :
 SB13

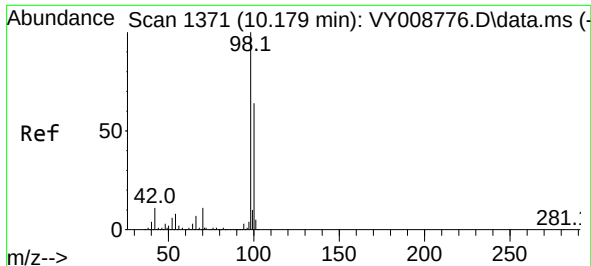
Tgt Ion: 75 Resp: 10976
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.508 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008869.D
 Acq: 19 May 2022 15:48

Tgt Ion: 117 Resp: 12875
 Ion Ratio Lower Upper
 117 100
 119 3.3 77.9 116.9#
 121 0.0 24.8 37.2#

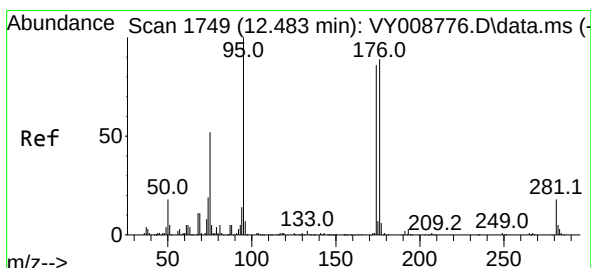
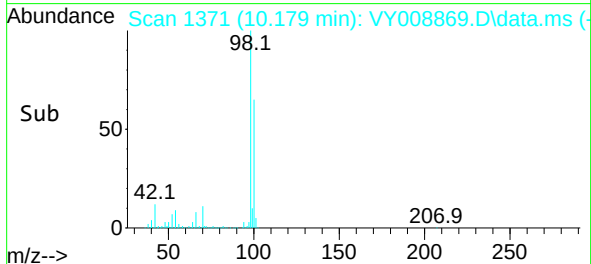
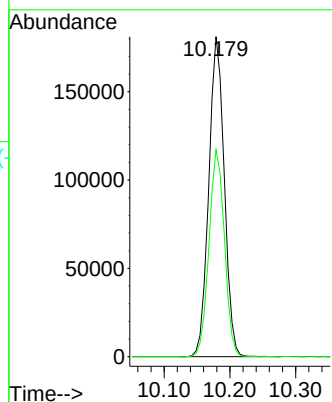
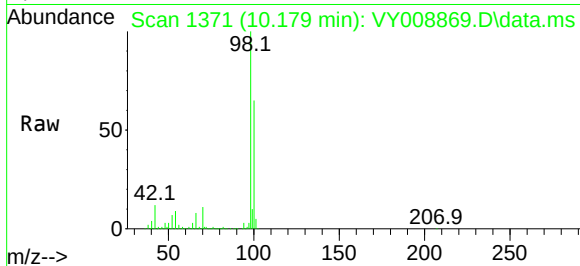




#50
Toluene-d8
Concen: 49.150 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

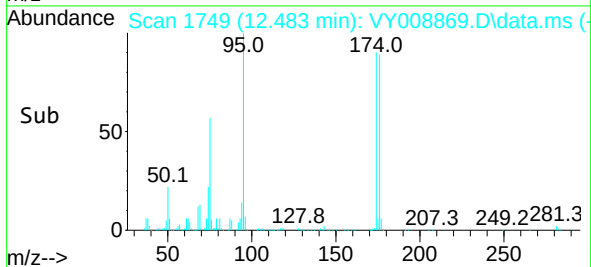
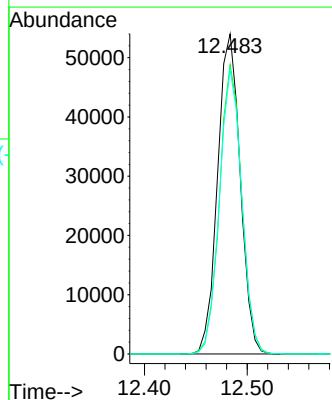
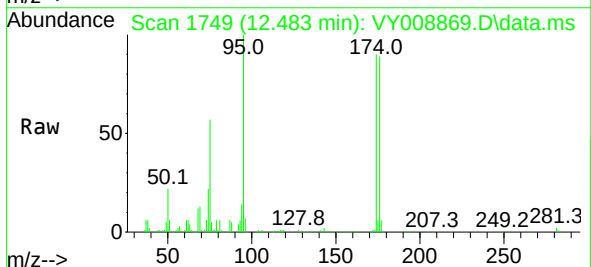
Instrument :
MSVOA_D
ClientSampleId :
SB13

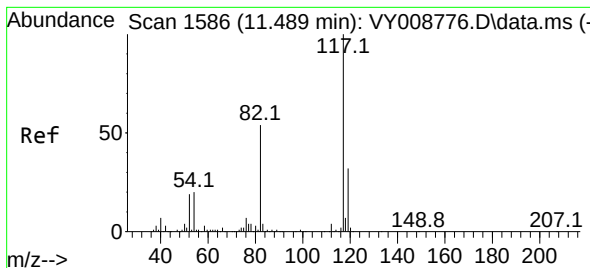
Tgt Ion: 98 Resp: 297150
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.025 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 95 Resp: 82518
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.0
176 87.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008869.D

Acq: 19 May 2022 15:48

Instrument :

MSVOA_D

ClientSampleId :

SB13

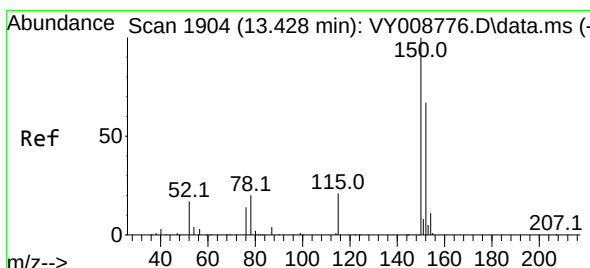
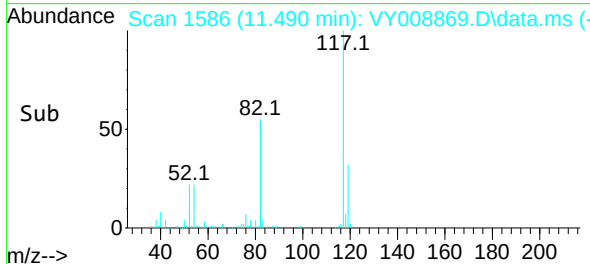
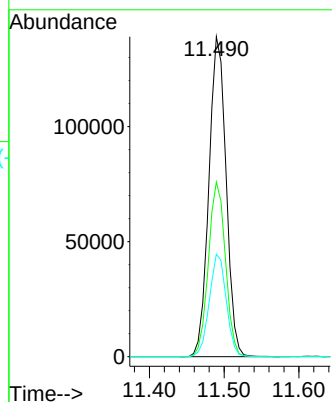
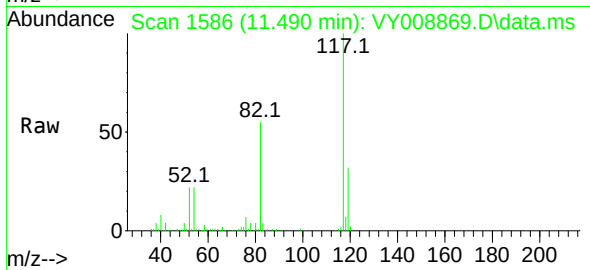
Tgt Ion:117 Resp: 222641

Ion Ratio Lower Upper

117 100

82 54.6 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: VY008869.D

Acq: 19 May 2022 15:48

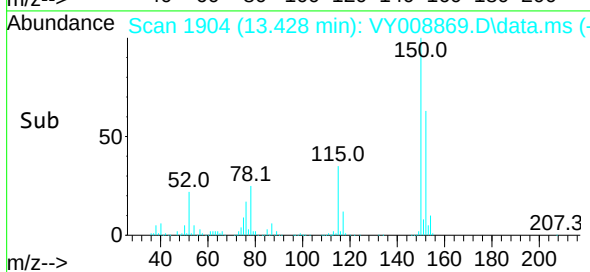
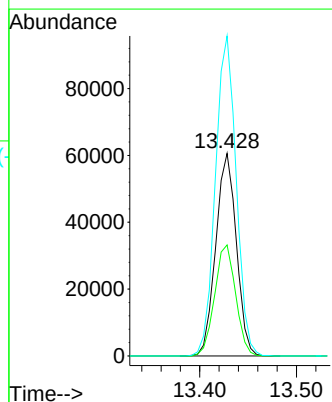
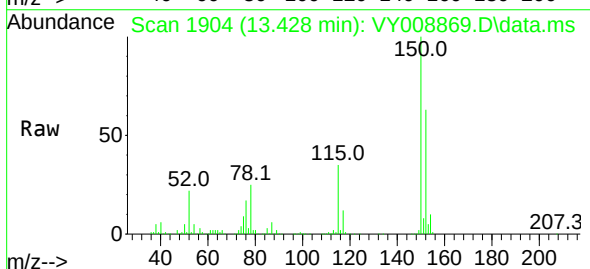
Tgt Ion:152 Resp: 89449

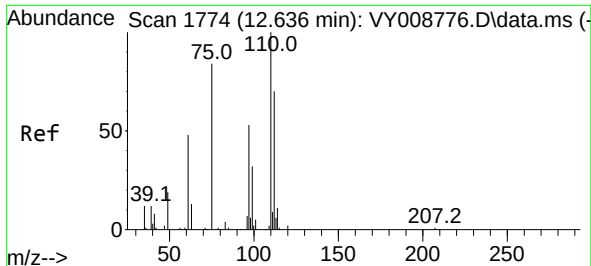
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 159.3 0.0 347.6

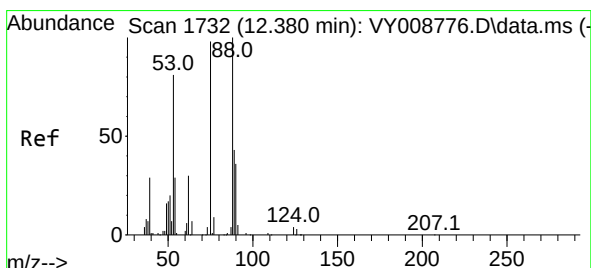
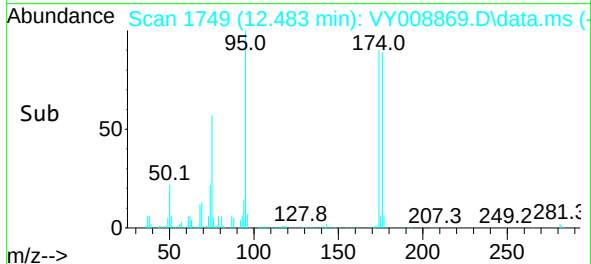
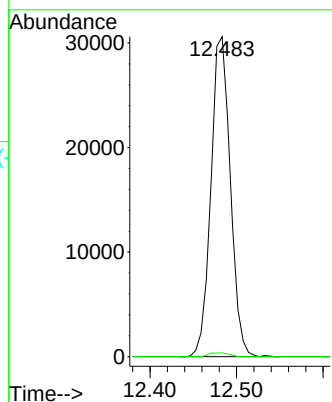
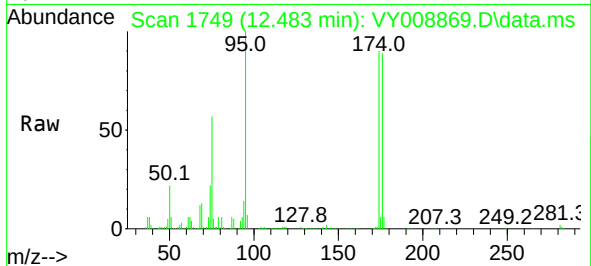




#76
1,2,3-Trichloropropane
Concen: 46.087 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Instrument :
MSVOA_D
ClientSampleId :
SB13

Tgt Ion: 75 Resp: 47620
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.805 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008869.D
Acq: 19 May 2022 15:48

Tgt Ion: 75 Resp: 47620
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

