

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008840.D
 Acq On : 19 May 2022 02:11
 Operator : KP/MD
 Sample : N2869-13
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P031-SS001-1218-01

Quant Time: May 19 03:17:04 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)

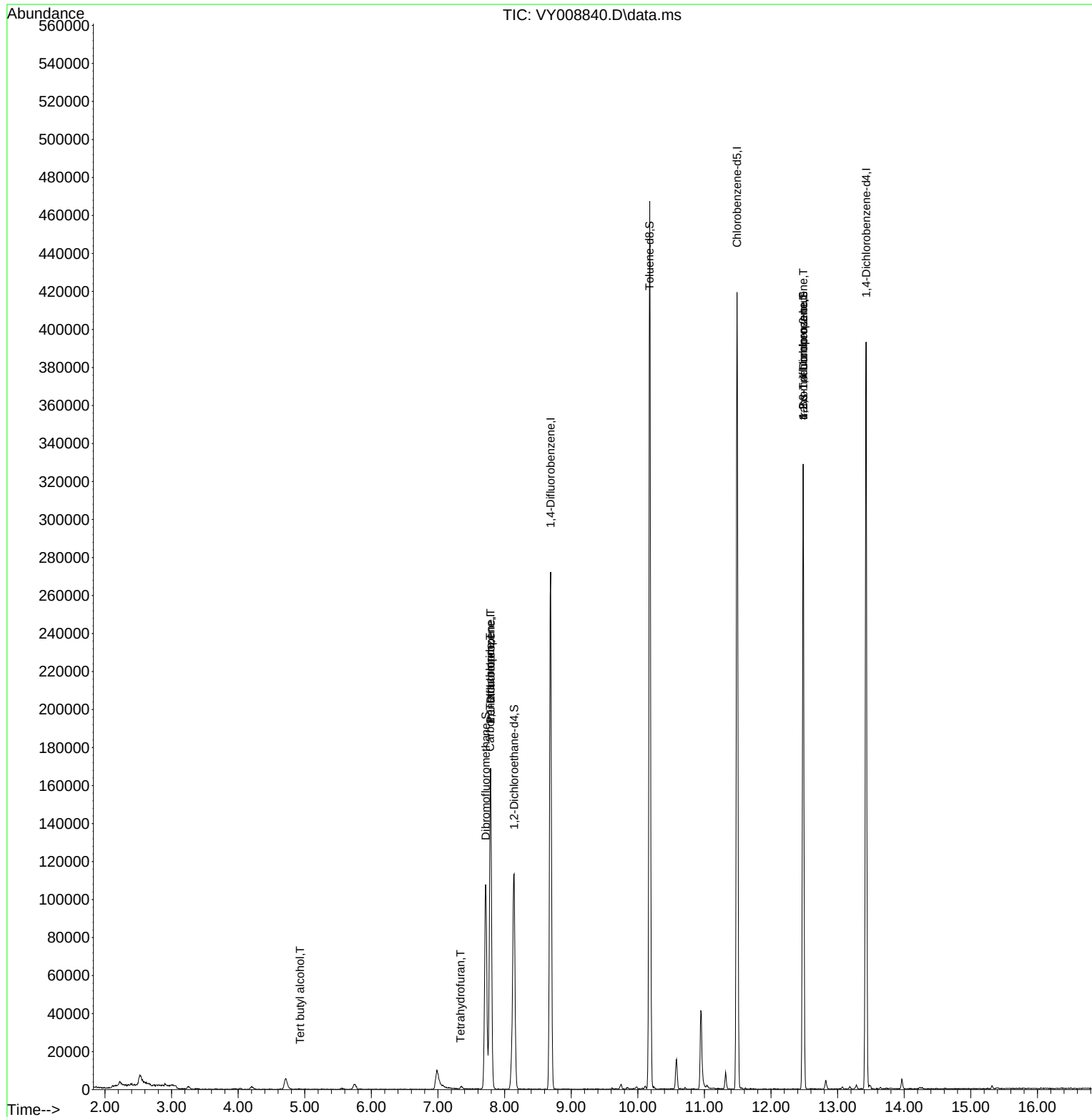
Internal Standards						
1) Pentafluorobenzene	7.789	168	126336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	219719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	80162	68.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.800%			
35) Dibromofluoromethane	7.716	113	73355	54.399	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.800%			
50) Toluene-d8	10.179	98	289018	48.332	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.660%			
62) 4-Bromofluorobenzene	12.483	95	84315	40.155	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69	Below Cal	#	43
3) Chloromethane	2.113	50	162	Below Cal	#	17
4) Vinyl Chloride	2.253	62	134	Below Cal	#	43
5) Bromomethane	2.656	94	205	Below Cal		97
6) Chloroethane	2.832	64	44	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	328	2.532 ug/l	#	77
16) Acetone	3.954	43	665	Below Cal	#	47
17) Carbon Disulfide	4.192	76	462	Below Cal	#	75
18) Methyl Acetate	4.387	43	19	Below Cal	#	56
20) Methylene Chloride	4.722	84	4180	Below Cal		86
29) Tetrahydrofuran	7.338	42	784	2.393 ug/l	#	86
31) Cyclohexane	7.789	56	3136	Below Cal	#	25
36) 1,1-Dichloropropene	7.789	75	10681	4.946 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	12543	5.419 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	48143	44.444 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48143	97.211 ug/l	#	7

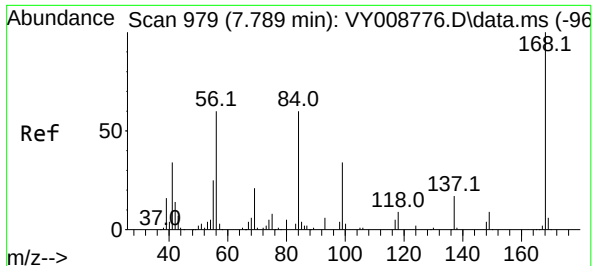
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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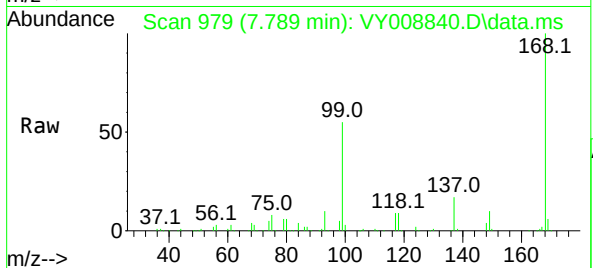
Quant Time: May 19 03:17:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
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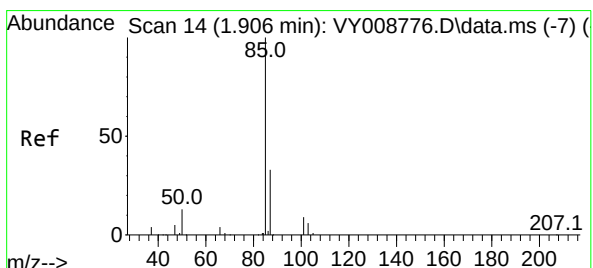
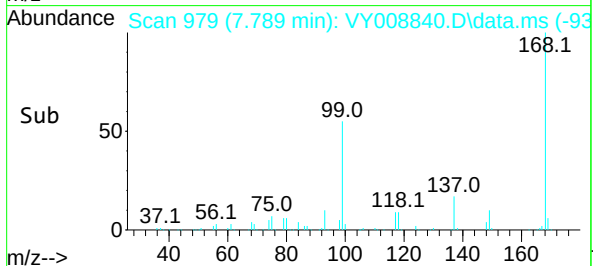
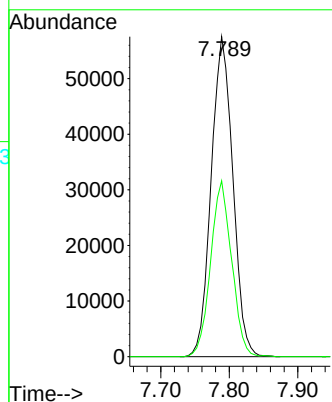


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

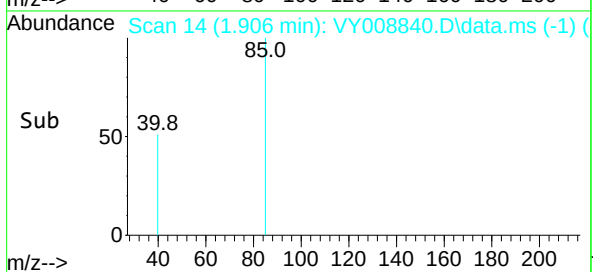
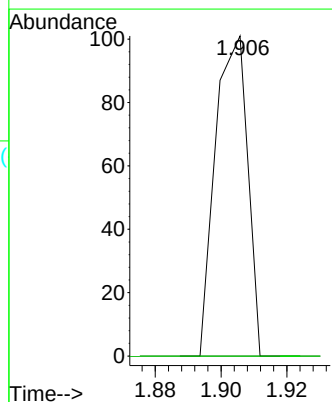
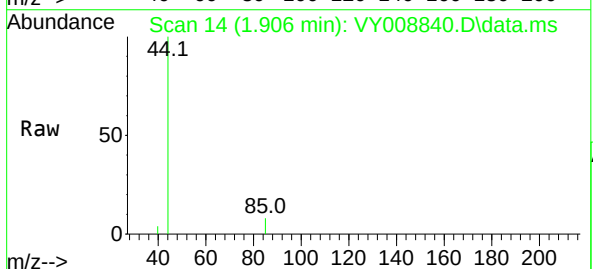


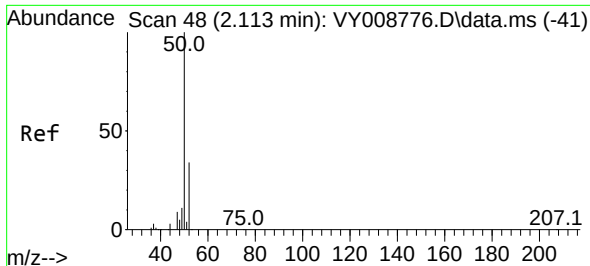
Tgt Ion:168 Resp: 126336
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

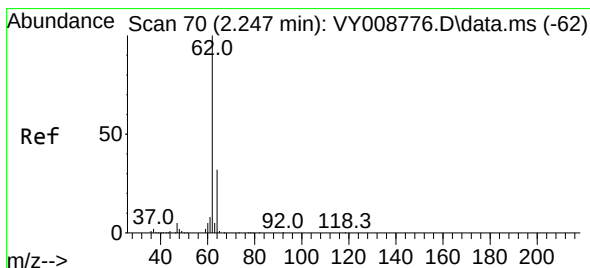
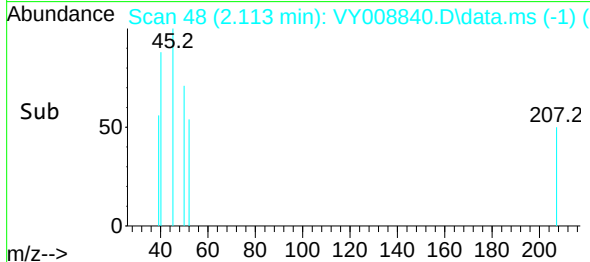
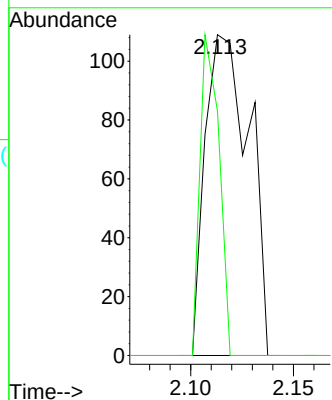
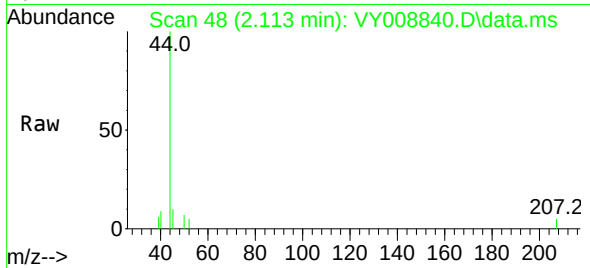




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

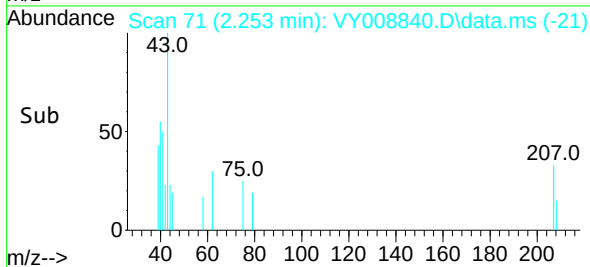
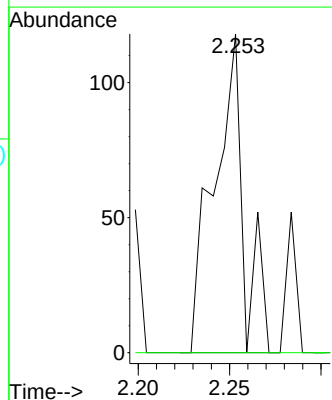
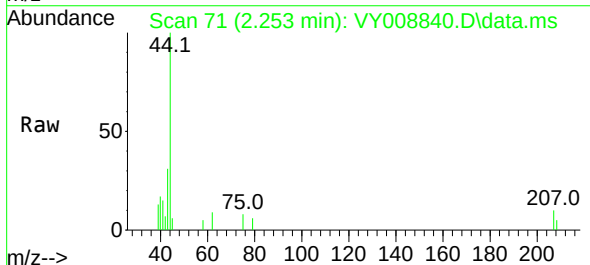
Instrument :
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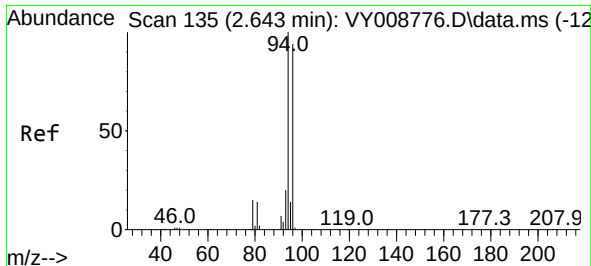
Tgt Ion: 50 Resp: 162
Ion Ratio Lower Upper
50 100
52 76.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.006 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 62 Resp: 134
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

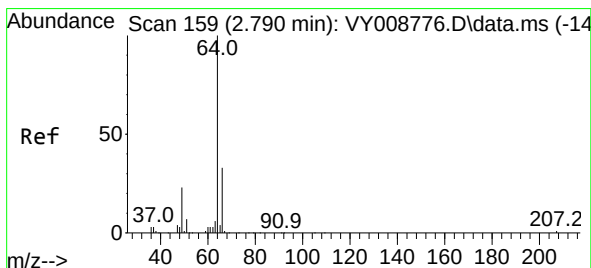
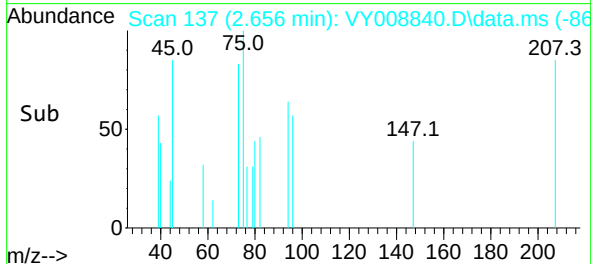
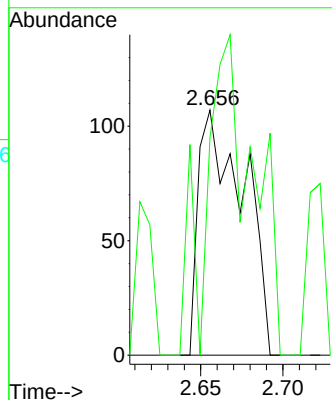
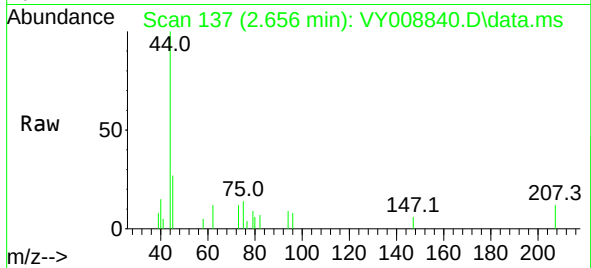




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

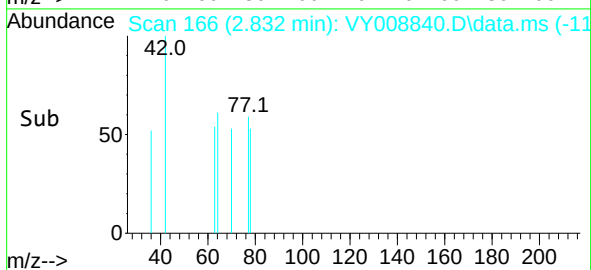
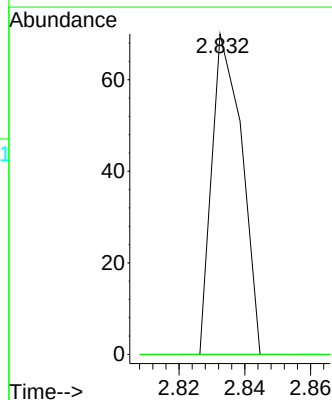
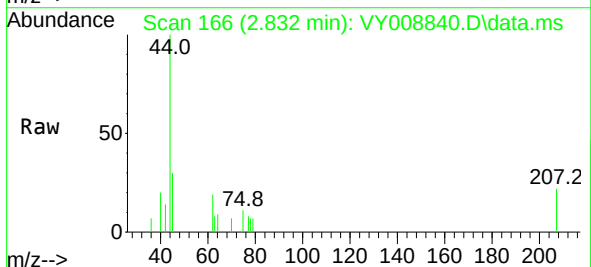
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

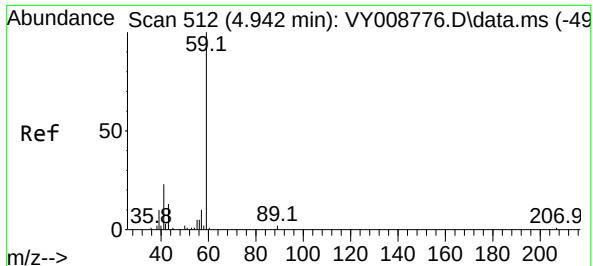
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 88.8 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.832 min Scan# 166
Delta R.T. 0.042 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

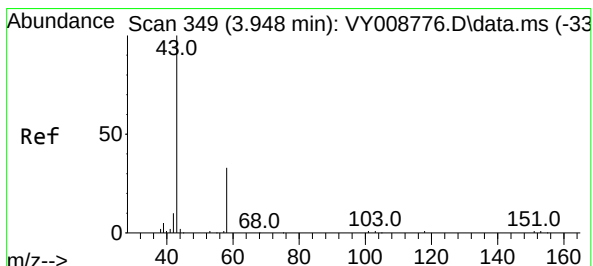
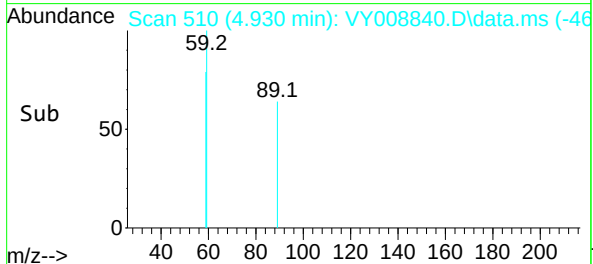
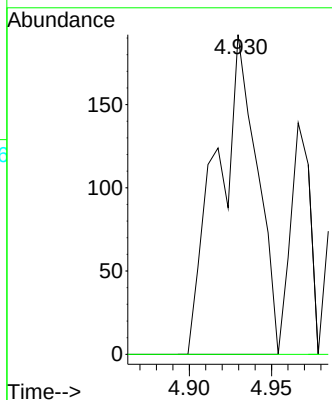
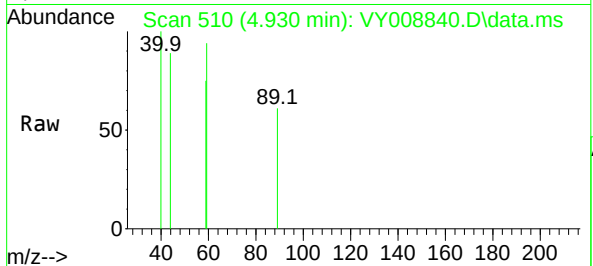




#11
Tert butyl alcohol
Concen: 2.532 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

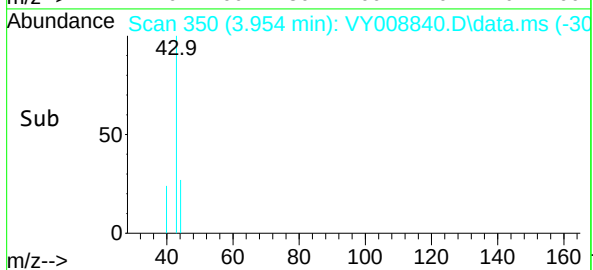
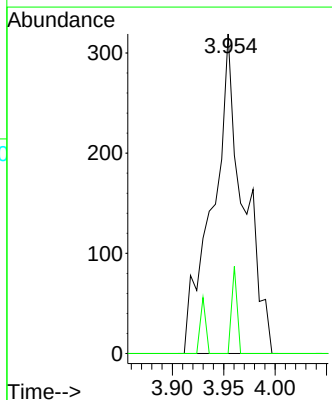
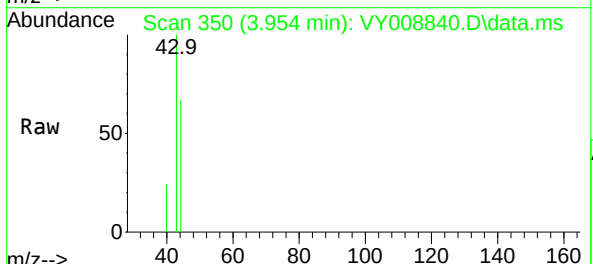
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

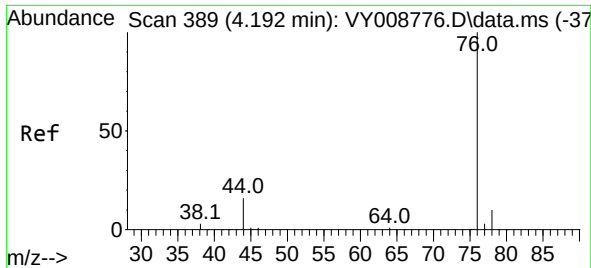
Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

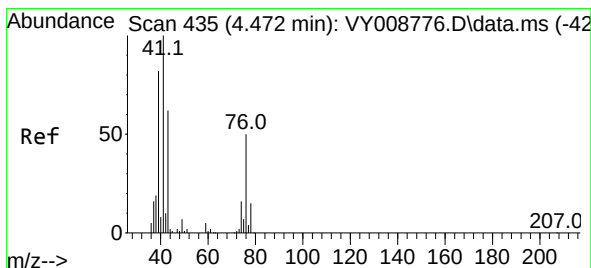
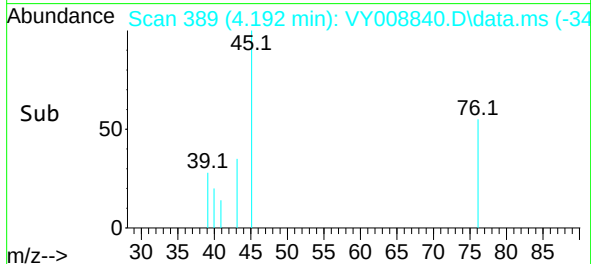
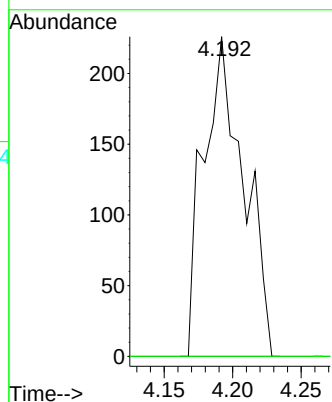
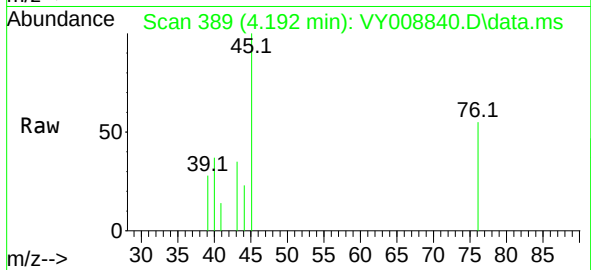




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

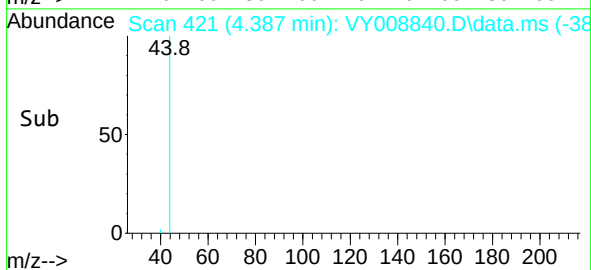
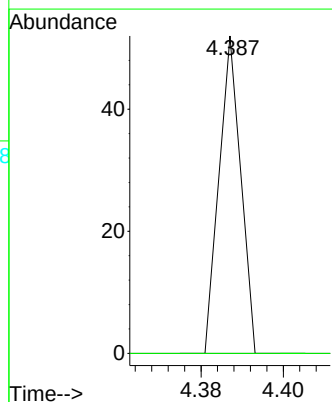
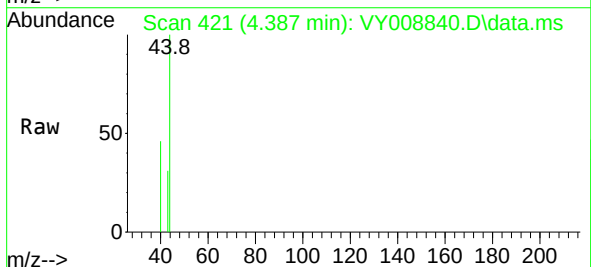
Instrument :
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ClientSampleId :
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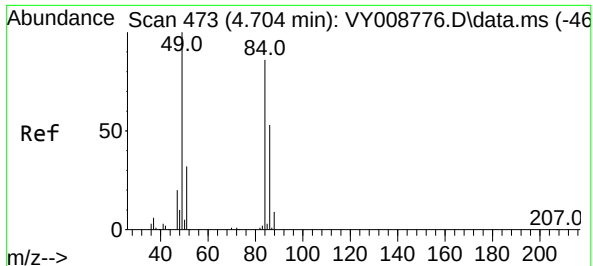
Tgt Ion: 76 Resp: 462
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.387 min Scan# 421
Delta R.T. -0.085 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

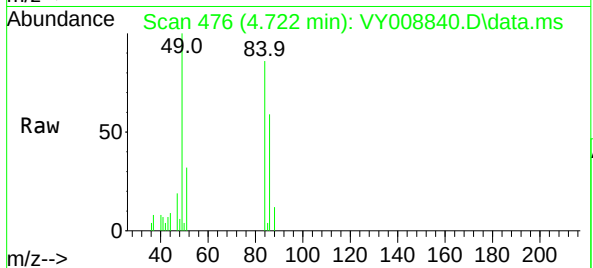
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



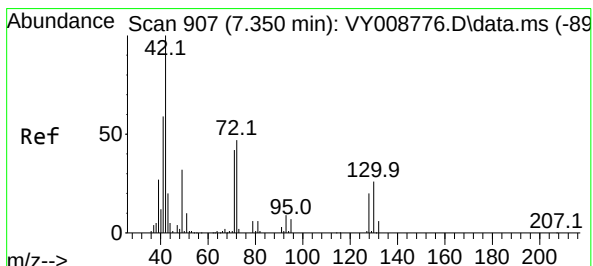
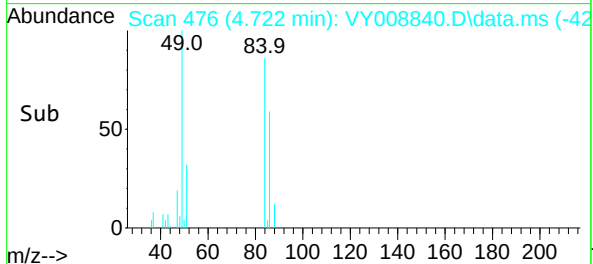
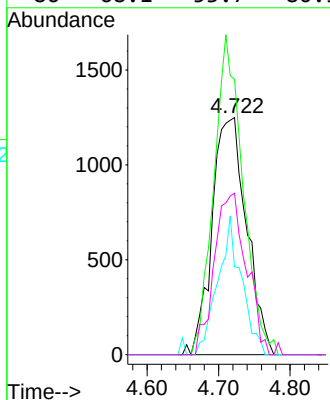


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

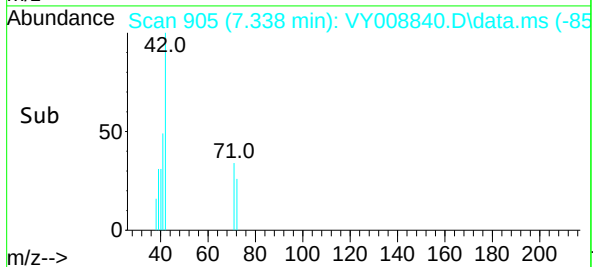
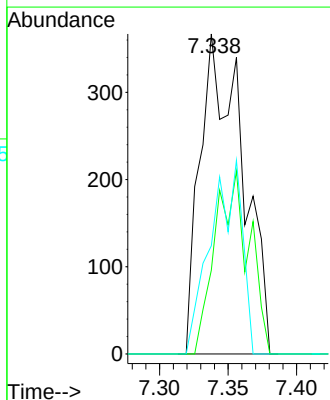
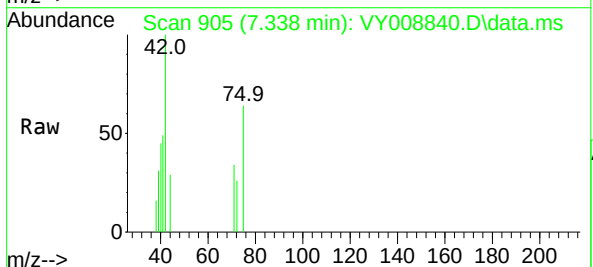


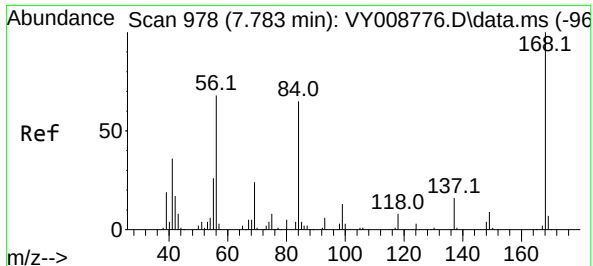
Tgt Ion: 84 Resp: 4180
Ion Ratio Lower Upper
84 100
49 116.2 114.4 171.6
51 37.0 35.3 52.9
86 68.1 53.7 80.5



#29
Tetrahydrofuran
Concen: 2.393 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.012 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 42 Resp: 784
Ion Ratio Lower Upper
42 100
72 46.3 30.3 45.5#
71 44.8 29.0 43.4#

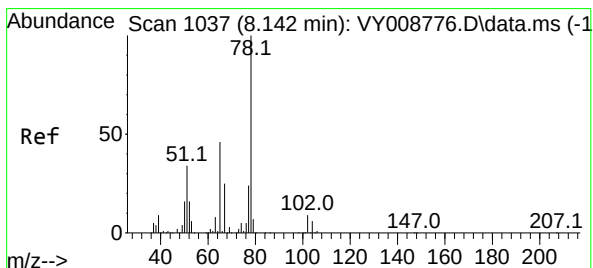
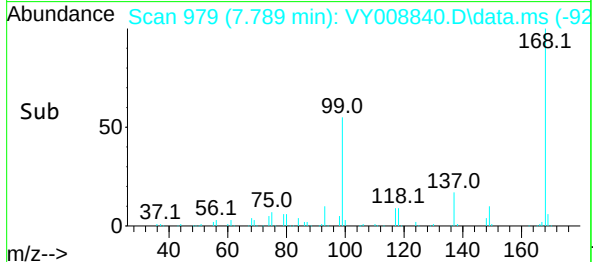
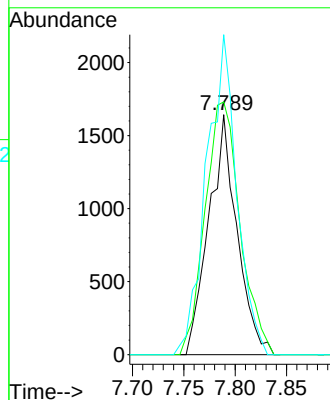
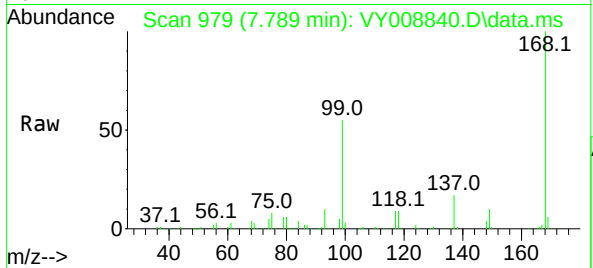




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

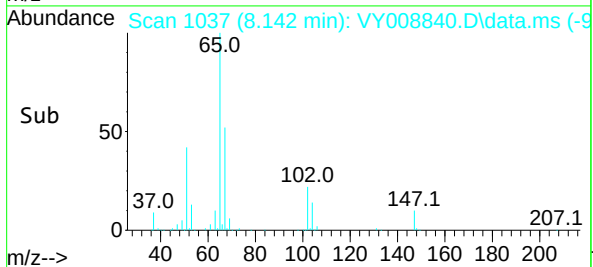
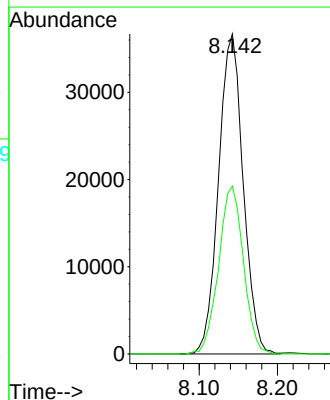
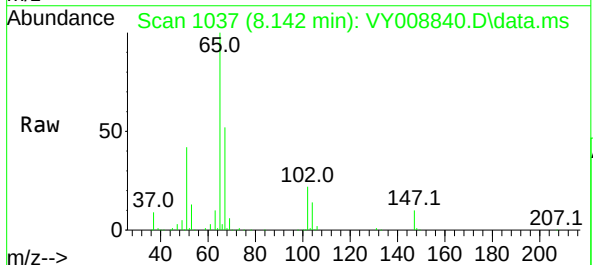
Instrument :
MSVOA_Y
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P031-SS001-1218-01

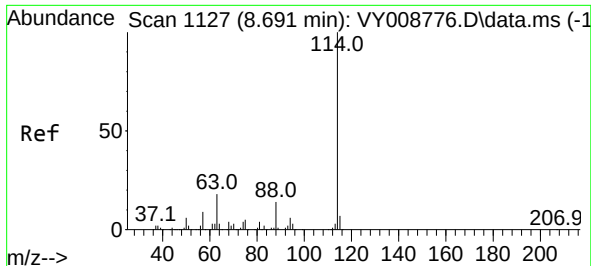
Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 105.4 26.7 40.1#
84 133.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.396 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 65 Resp: 80162
Ion Ratio Lower Upper
65 100
67 52.8 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: VY008840.D

Acq: 19 May 2022 02:11

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-1218-01

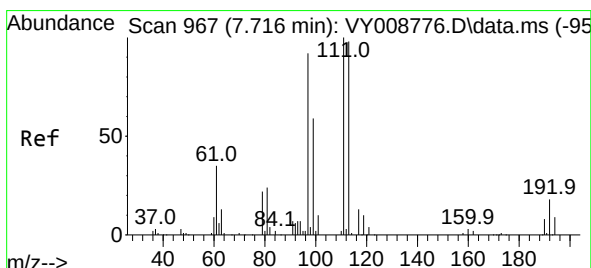
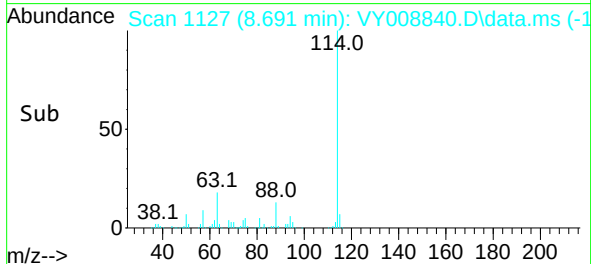
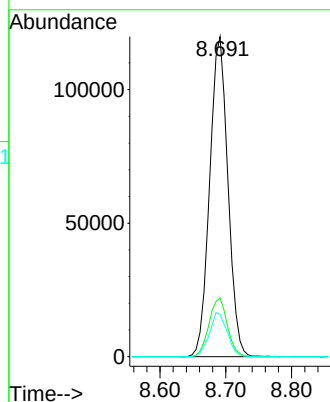
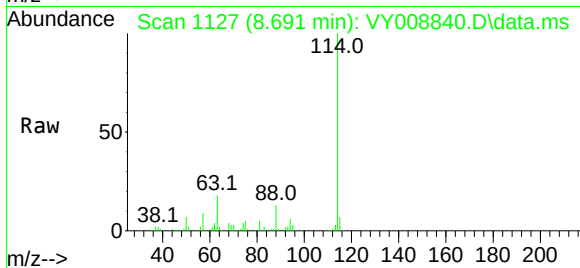
Tgt Ion:114 Resp: 230792

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.399 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008840.D

Acq: 19 May 2022 02:11

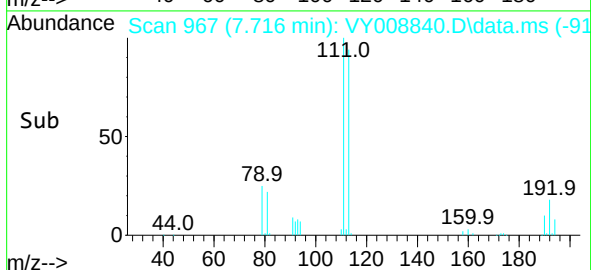
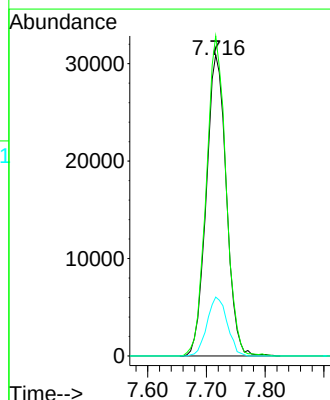
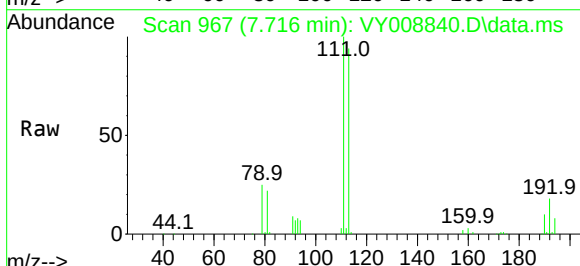
Tgt Ion:113 Resp: 73355

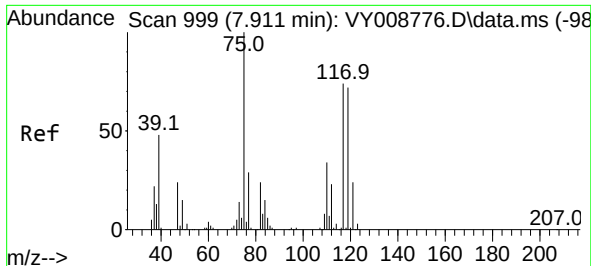
Ion Ratio Lower Upper

113 100

111 104.4 82.6 124.0

192 19.6 17.6 26.4

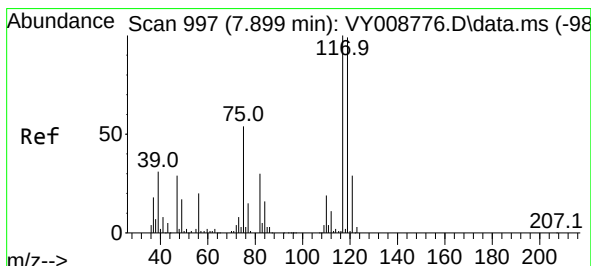
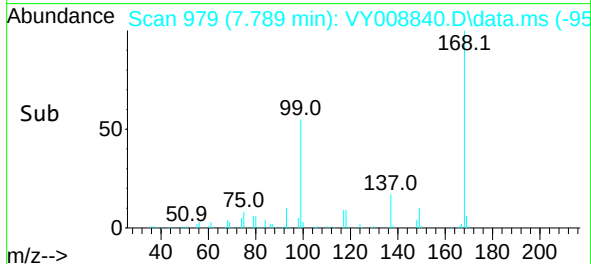
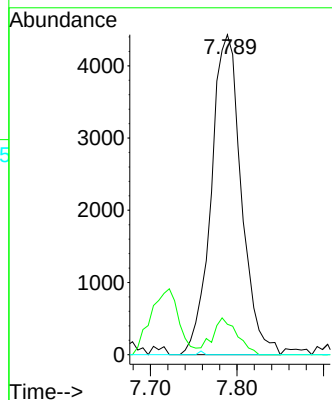
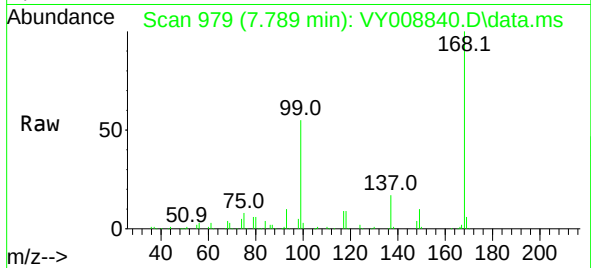




#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

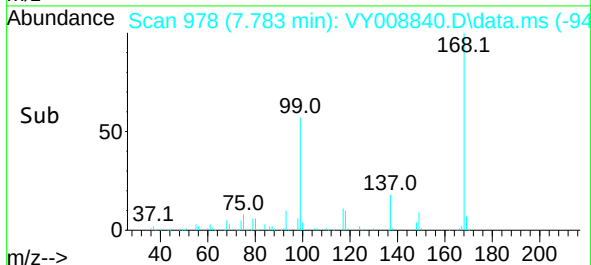
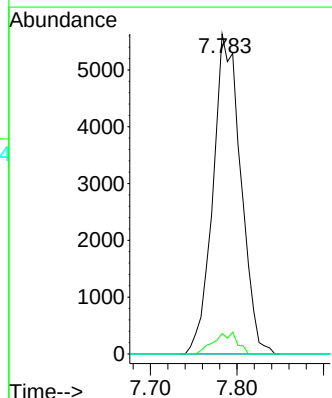
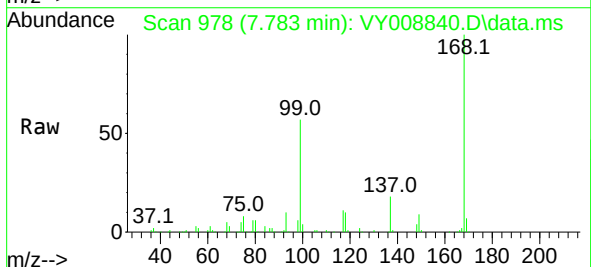
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

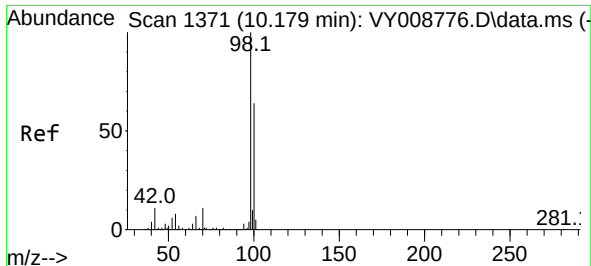
Tgt Ion: 75 Resp: 10681
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 117 Resp: 12543
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#

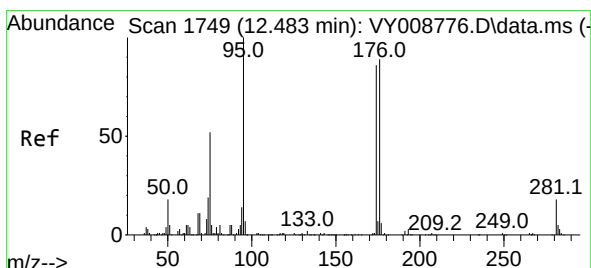
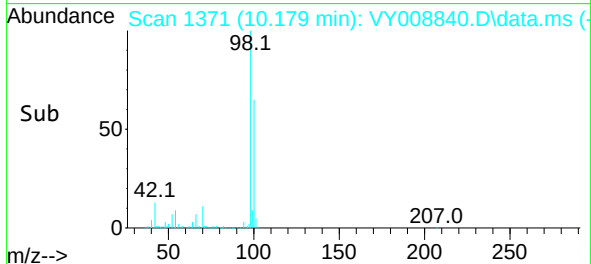
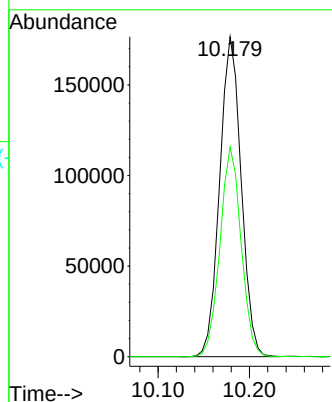
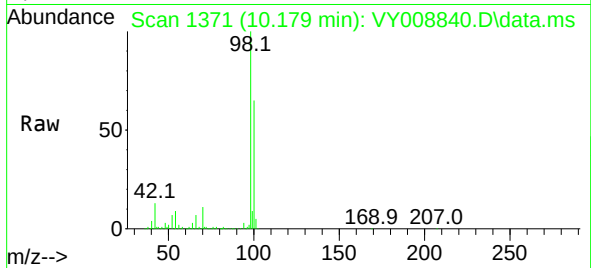




#50
Toluene-d8
Concen: 48.332 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

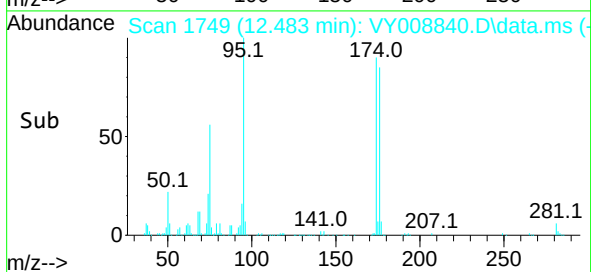
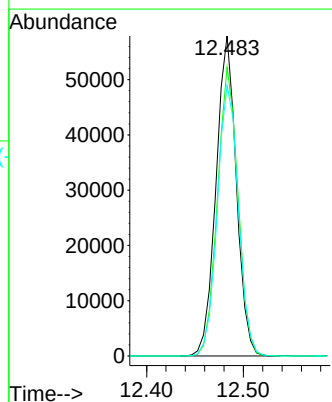
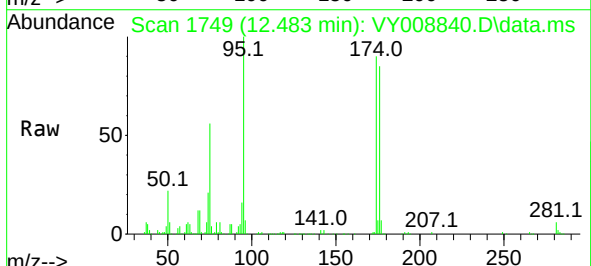
Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

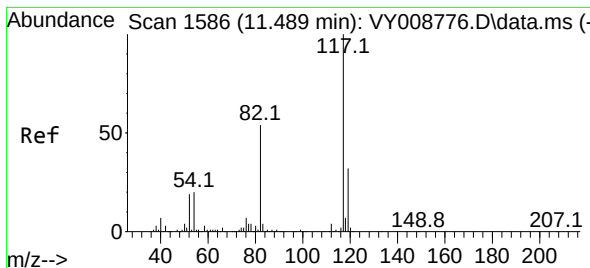
Tgt Ion: 98 Resp: 289018
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.155 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 95 Resp: 84315
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 87.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008840.D

Acq: 19 May 2022 02:11

Instrument :

MSVOA_Y

ClientSampleId :

P031-SS001-1218-01

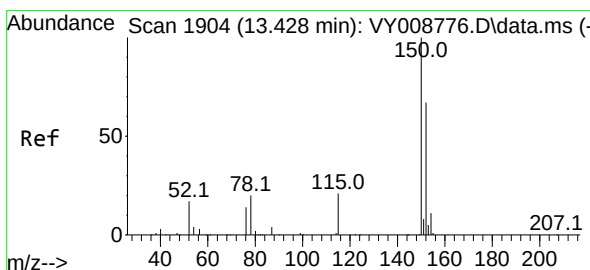
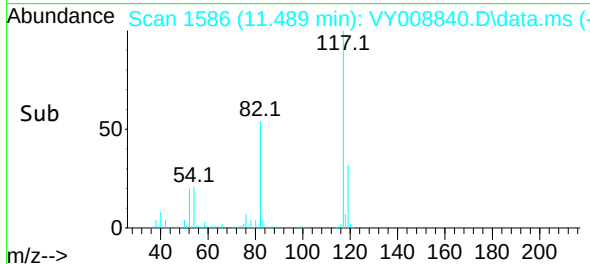
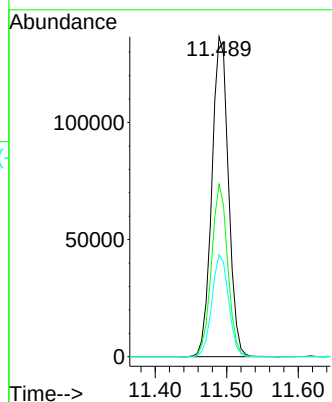
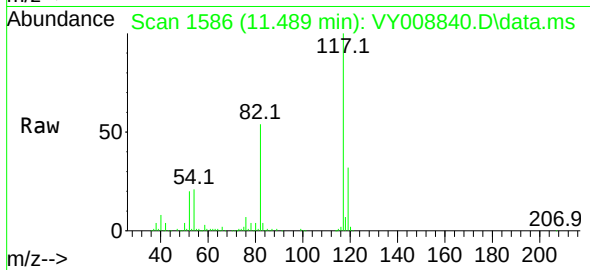
Tgt Ion:117 Resp: 219719

Ion Ratio Lower Upper

117 100

82 53.9 43.0 64.4

119 31.8 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: VY008840.D

Acq: 19 May 2022 02:11

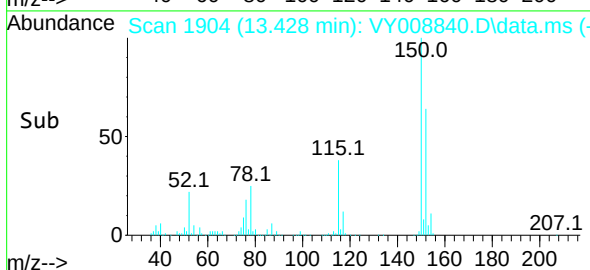
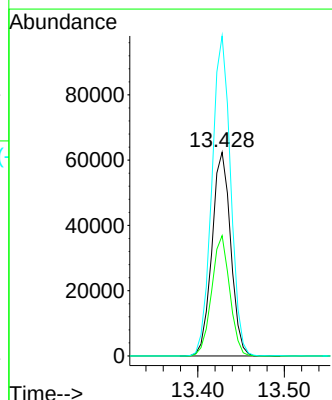
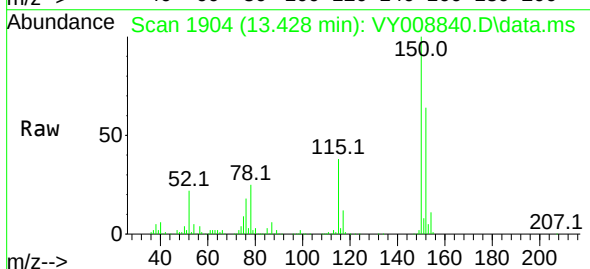
Tgt Ion:152 Resp: 93775

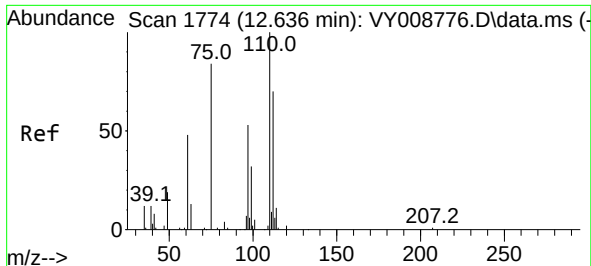
Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 156.8 0.0 347.6

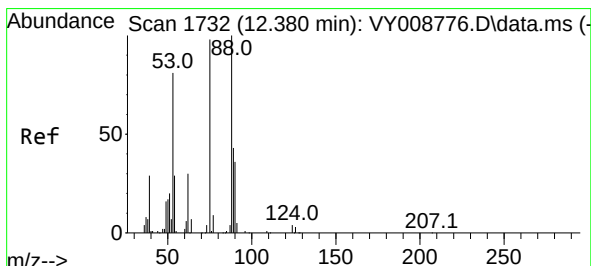
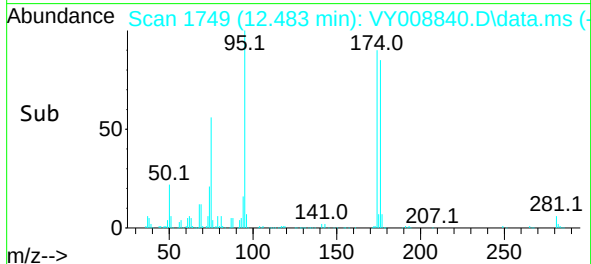
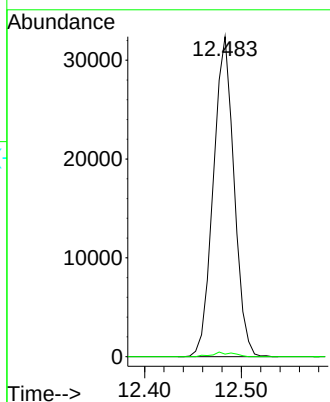
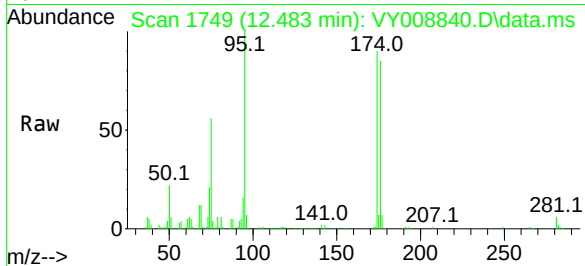




#76
1,2,3-Trichloropropane
Concen: 44.444 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Instrument :
MSVOA_Y
ClientSampleId :
P031-SS001-1218-01

Tgt Ion: 75 Resp: 48143
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.211 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008840.D
Acq: 19 May 2022 02:11

Tgt Ion: 75 Resp: 48143
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

