

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008889.D
 Acq On : 20 May 2022 00:41
 Operator : KP/MD
 Sample : N2906-01
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-1

Quant Time: May 20 02:57:15 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)

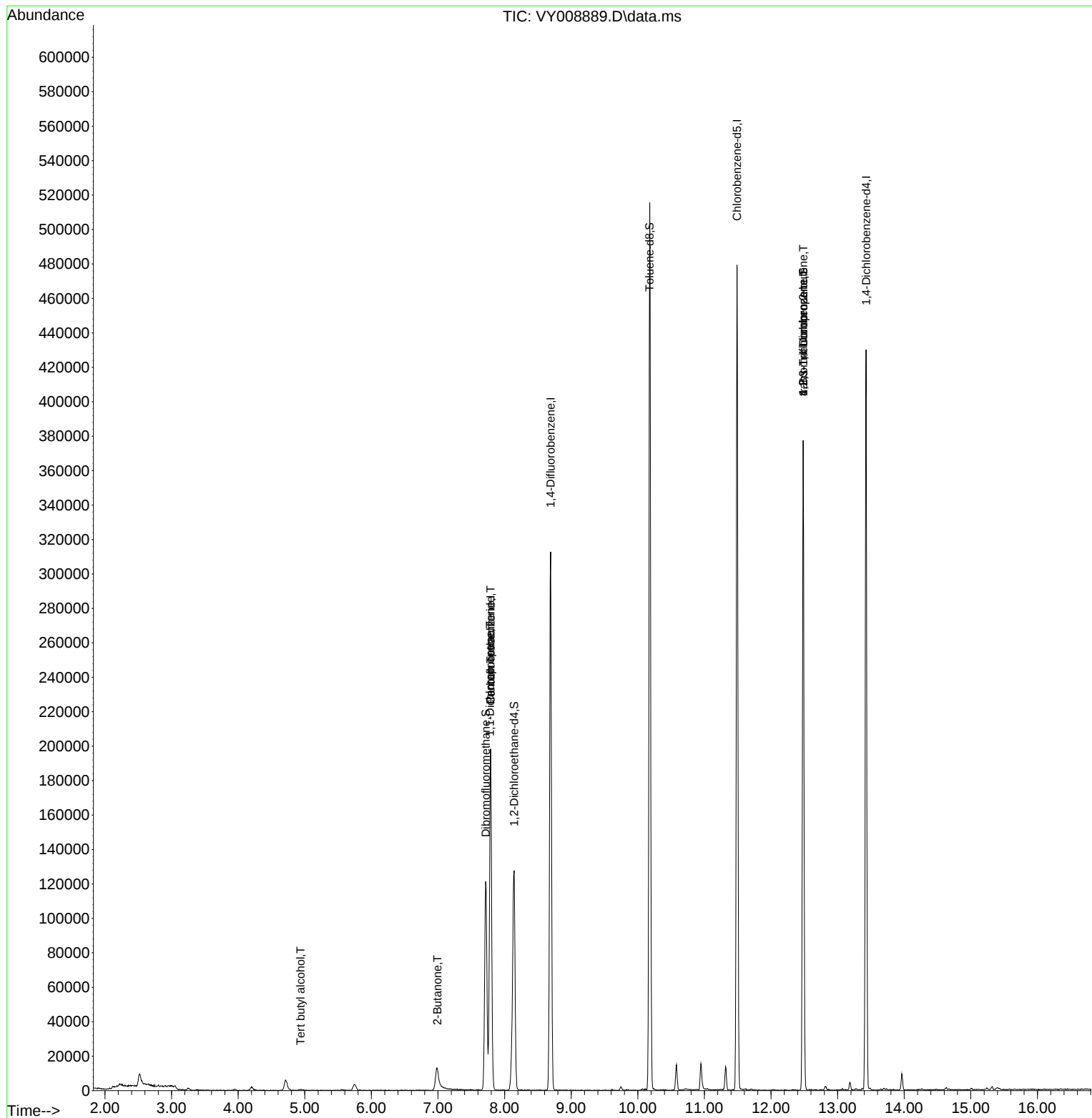
Internal Standards						
1) Pentafluorobenzene	7.789	168	149831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	247256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	89982	64.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.480%	
35) Dibromofluoromethane	7.716	113	83491	54.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.560%	
50) Toluene-d8	10.179	98	330447	48.434	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.860%	
62) 4-Bromofluorobenzene	12.483	95	95328	39.829	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.660%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	194	Below Cal		88
3) Chloromethane	2.113	50	261	Below Cal	#	41
4) Vinyl Chloride	2.259	62	218	Below Cal	#	43
5) Bromomethane	2.656	94	165	Below Cal	#	80
6) Chloroethane	2.796	64	21	Below Cal	#	1
7) Trichlorofluoromethane	3.131	101	104	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	687	4.472 ug/l	#	87
16) Acetone	3.936	43	947	Below Cal	#	47
17) Carbon Disulfide	4.192	76	19	Below Cal	#	75
18) Methyl Acetate	4.686	43	80	Below Cal	#	56
20) Methylene Chloride	4.716	84	4480	Below Cal	#	65
25) 2-Butanone	6.990	43	891	1.527 ug/l	#	54
31) Cyclohexane	7.783	56	3869	Below Cal	#	36
36) 1,1-Dichloropropene	7.783	75	12853	5.217 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	15539	5.885 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	53961	44.992 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53961	98.411 ug/l	#	7

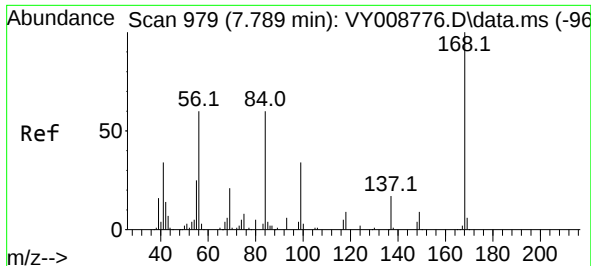
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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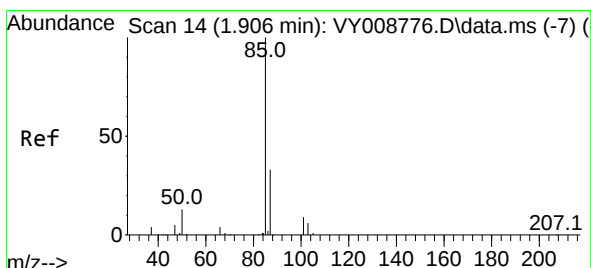
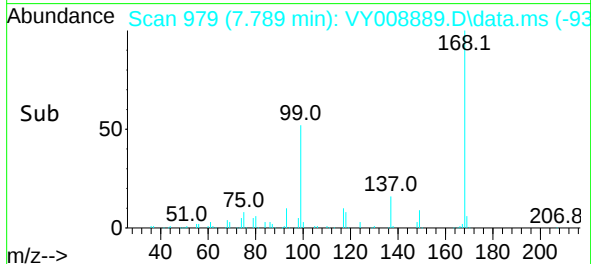
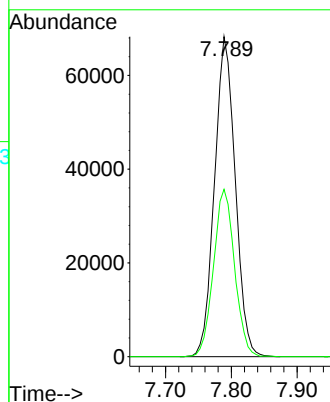
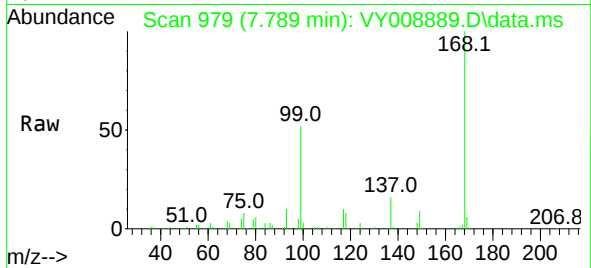




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

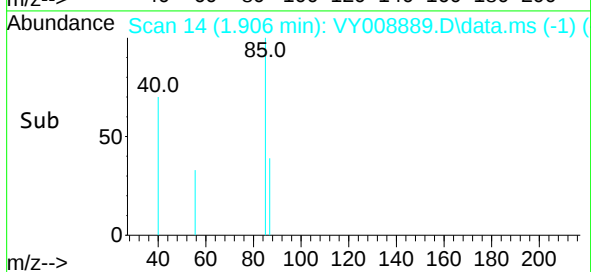
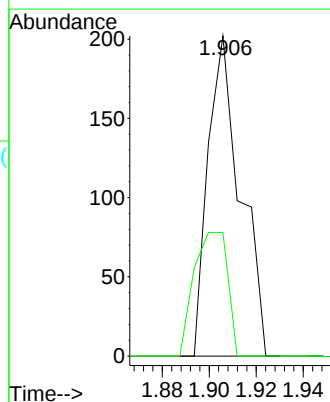
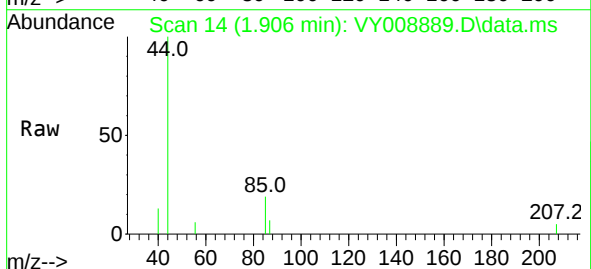
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

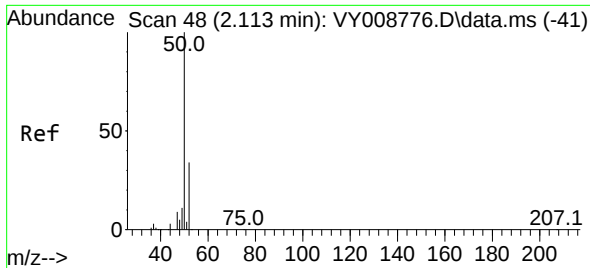
Tgt Ion:168 Resp: 149831
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 85 Resp: 194
Ion Ratio Lower Upper
85 100
87 38.6 16.1 48.2

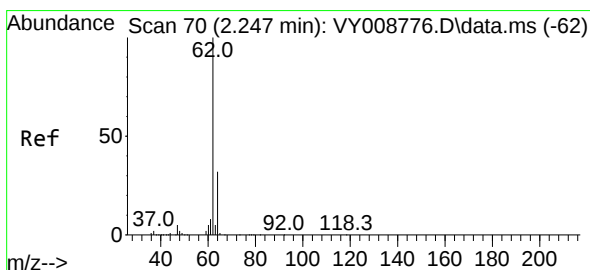
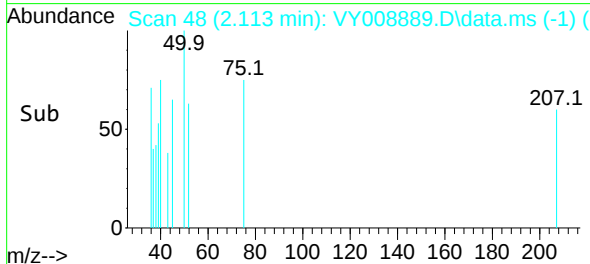
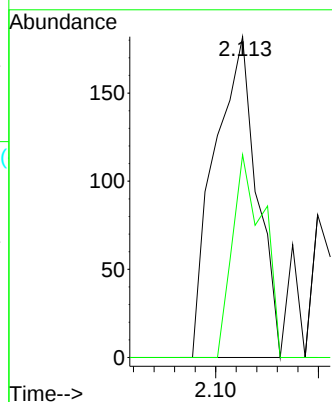
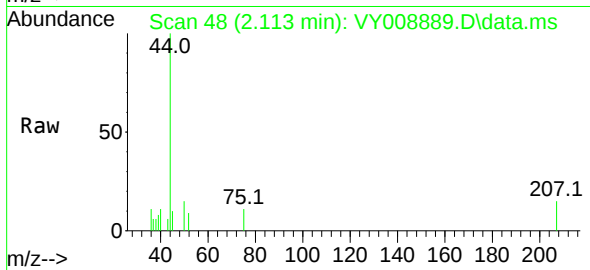




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

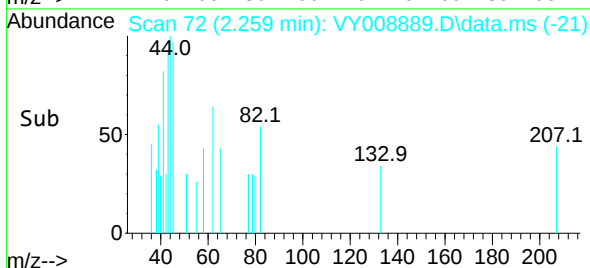
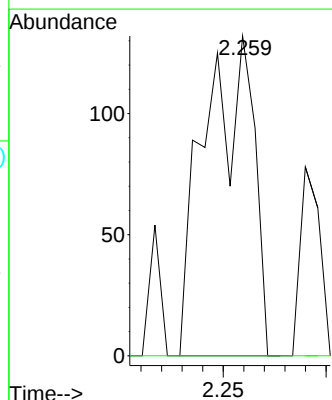
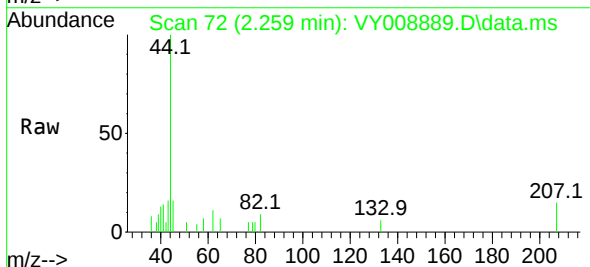
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

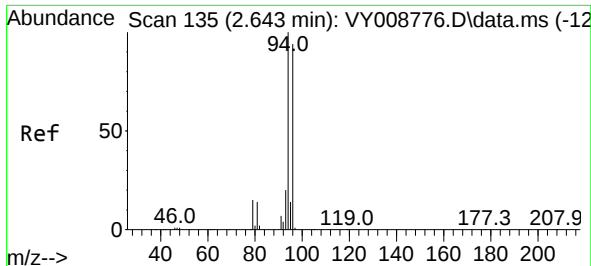
Tgt Ion: 50 Resp: 261
Ion Ratio Lower Upper
50 100
52 63.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 62 Resp: 218
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

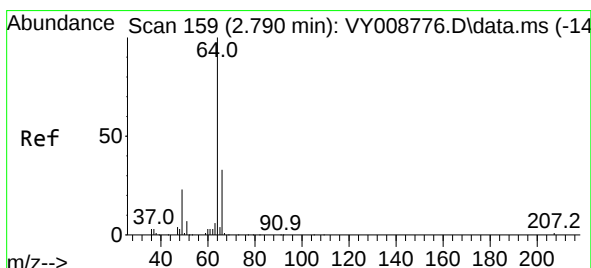
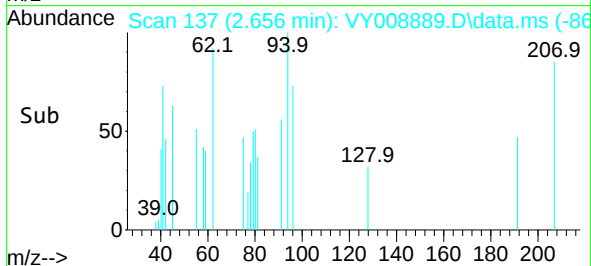
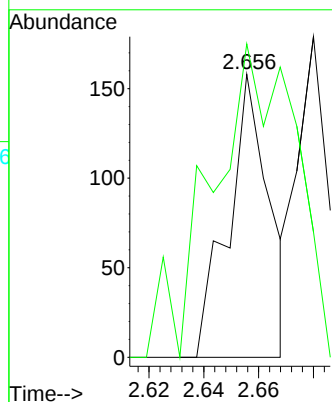
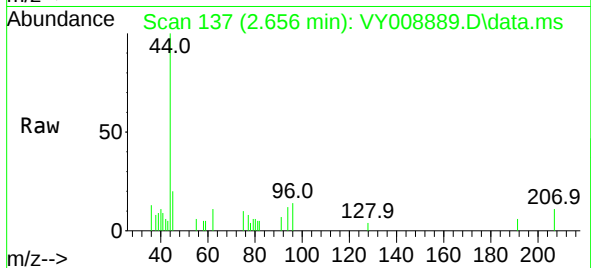




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

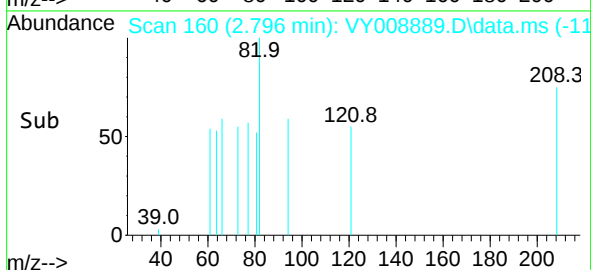
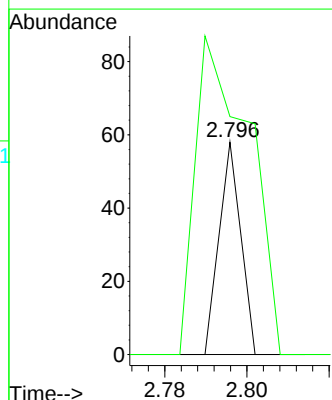
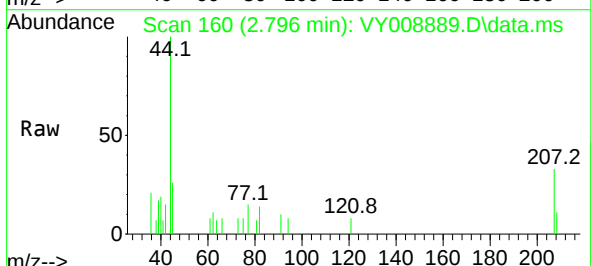
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

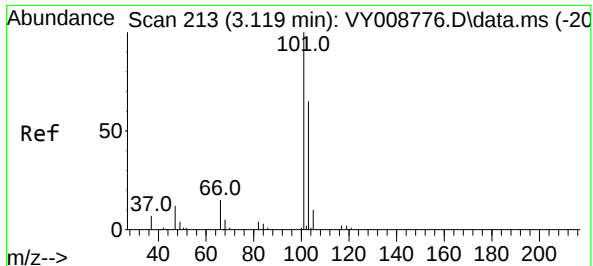
Tgt Ion: 94 Resp: 165
Ion Ratio Lower Upper
94 100
96 110.8 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.796 min Scan# 160
Delta R.T. 0.006 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 112.1 25.4 38.0#

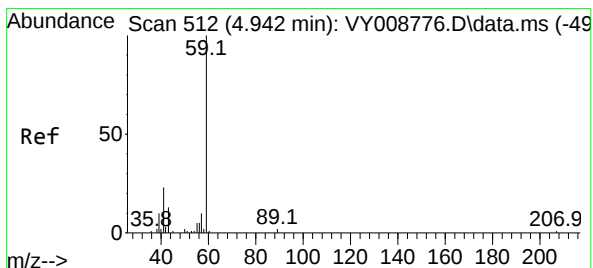
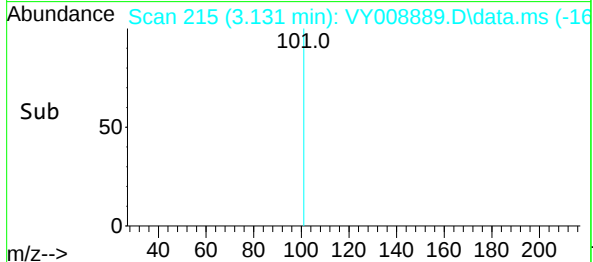
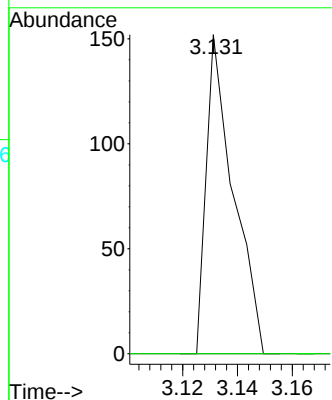
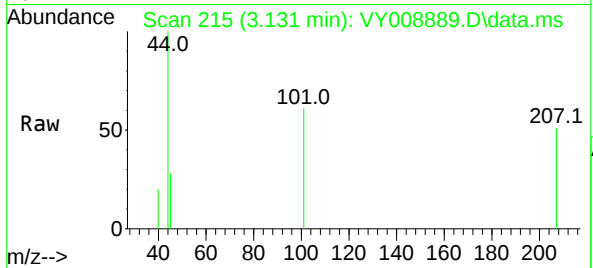




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.131 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

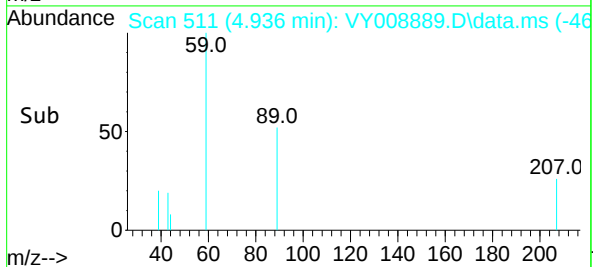
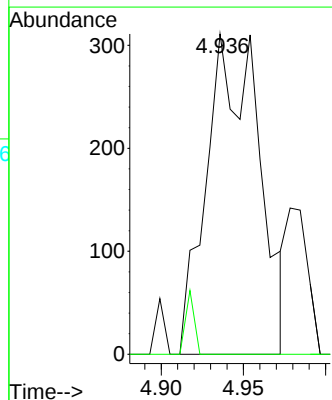
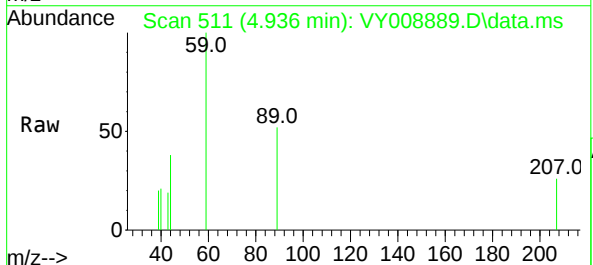
Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-1

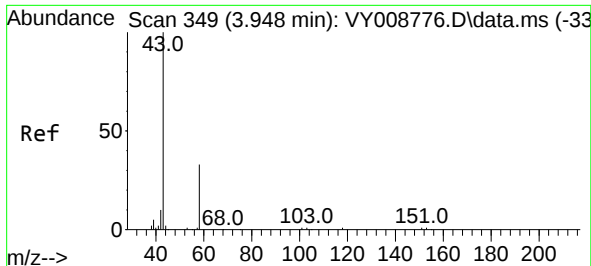
Tgt Ion:101 Resp: 104
 Ion Ratio Lower Upper
 101 100
 103 0.0 48.0 72.0#



#11
 Tert butyl alcohol
 Concen: 4.472 ug/l
 RT: 4.936 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

Tgt Ion: 59 Resp: 687
 Ion Ratio Lower Upper
 59 100
 57 3.3 6.4 9.6#

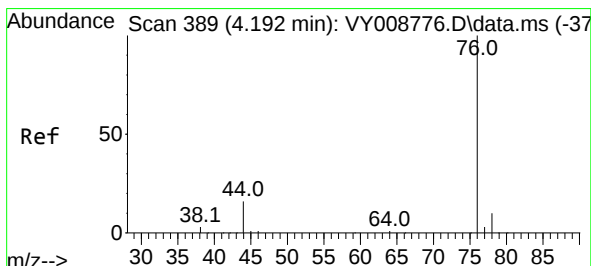
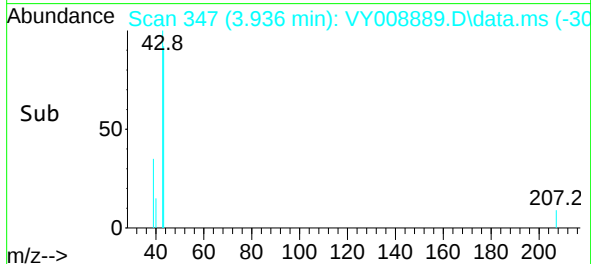
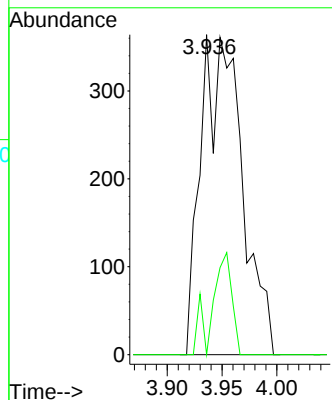
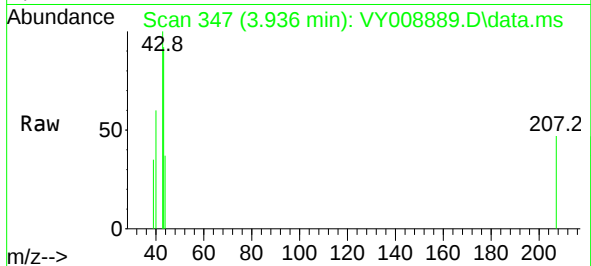




#16
Acetone
Concen: Below Cal
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

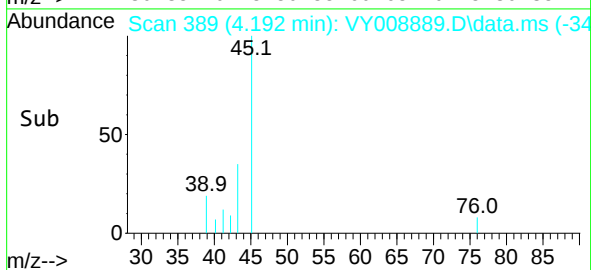
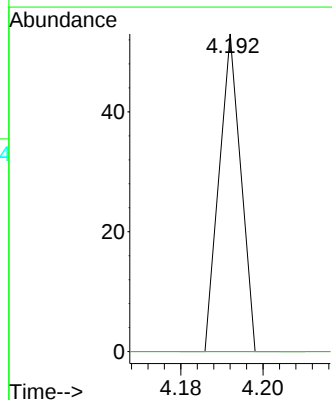
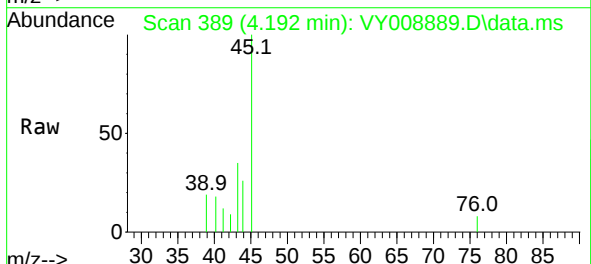
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

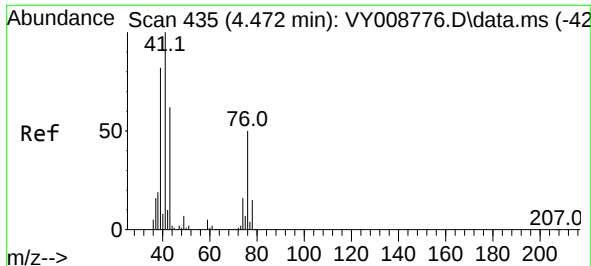
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

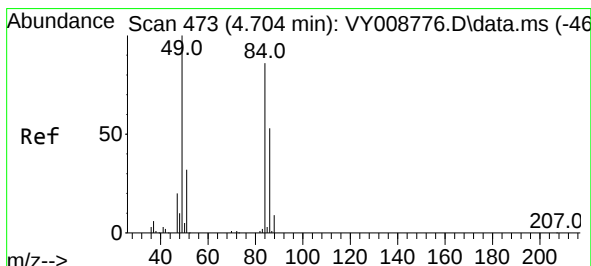
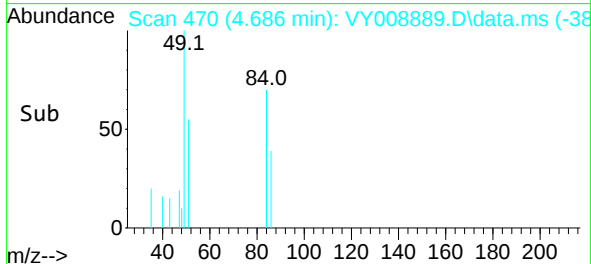
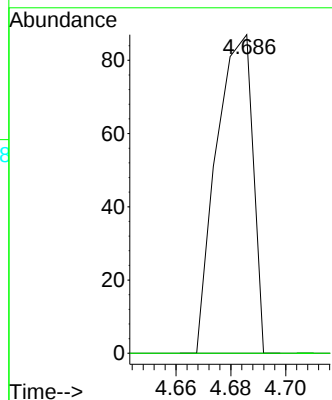
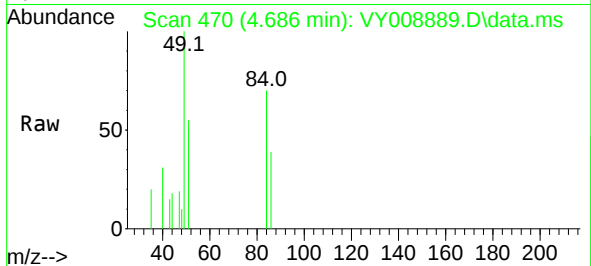




#18
Methyl Acetate
Concen: Below Cal
RT: 4.686 min Scan# 41
Delta R.T. 0.214 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

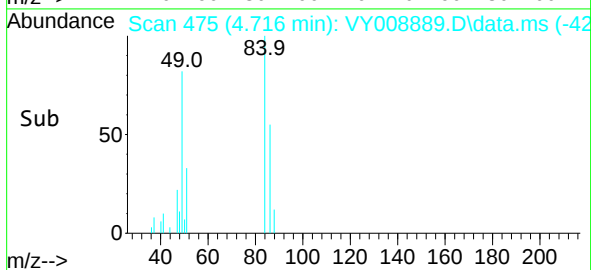
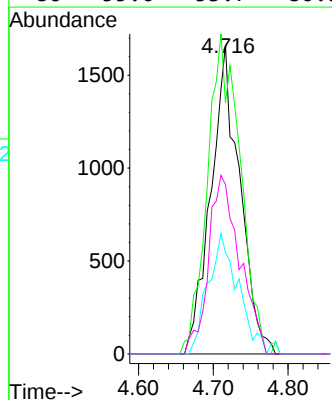
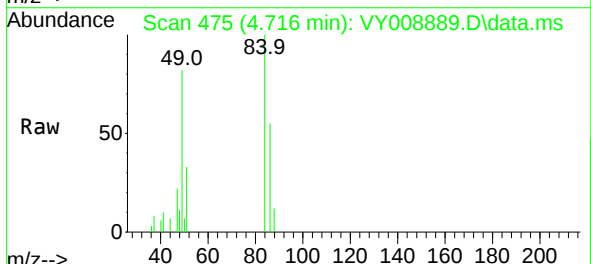
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MSVOA_Y
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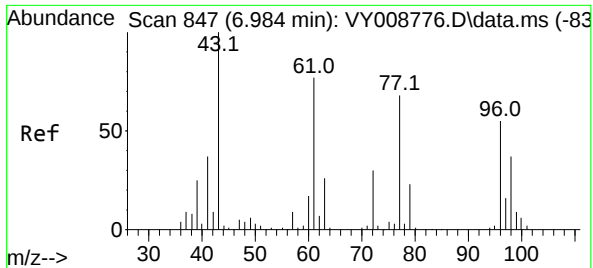
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 84 Resp: 4480
Ion Ratio Lower Upper
84 100
49 81.5 114.4 171.6#
51 32.9 35.3 52.9#
86 55.0 53.7 80.5





#25

2-Butanone

Concen: 1.527 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY008889.D

Acq: 20 May 2022 00:41

Instrument :

MSVOA_Y

ClientSampleId :

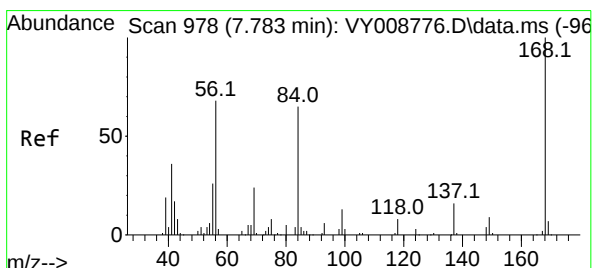
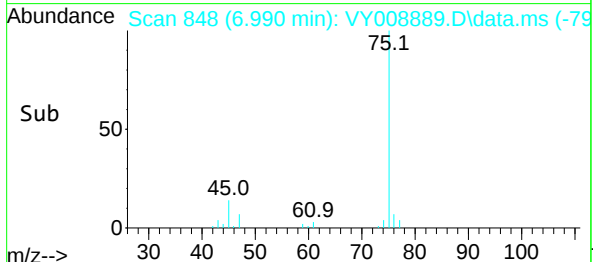
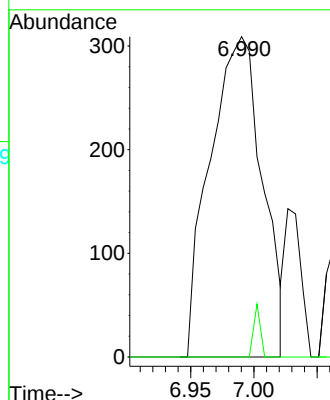
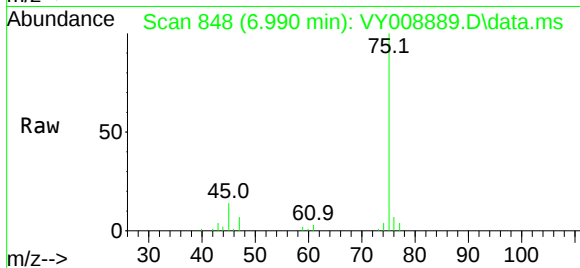
CDF-1

Tgt Ion: 43 Resp: 891

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008889.D

Acq: 20 May 2022 00:41

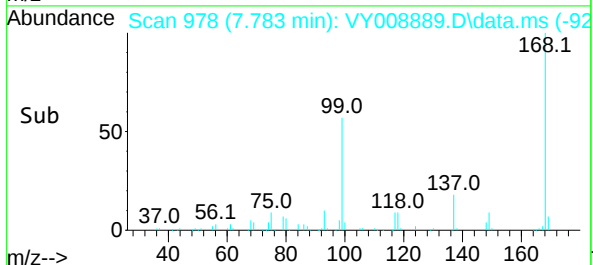
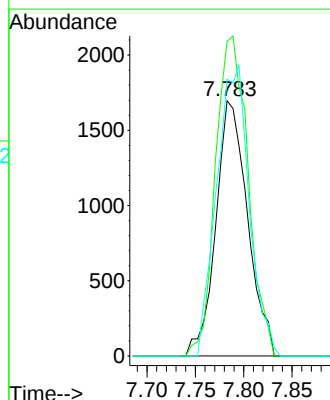
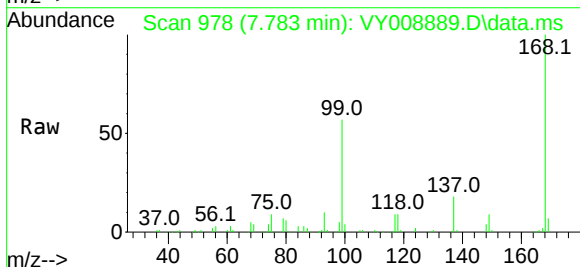
Tgt Ion: 56 Resp: 3869

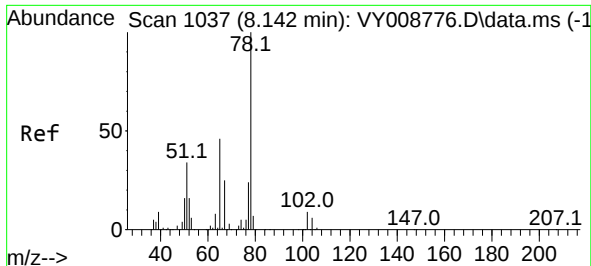
Ion Ratio Lower Upper

56 100

69 123.3 26.7 40.1#

84 108.5 67.2 100.8#

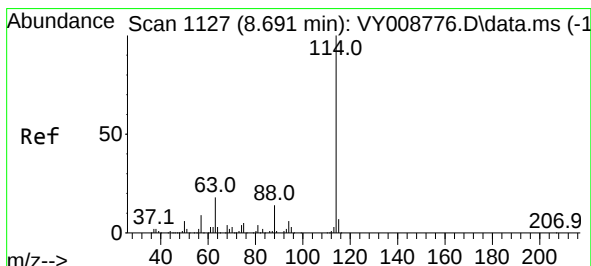
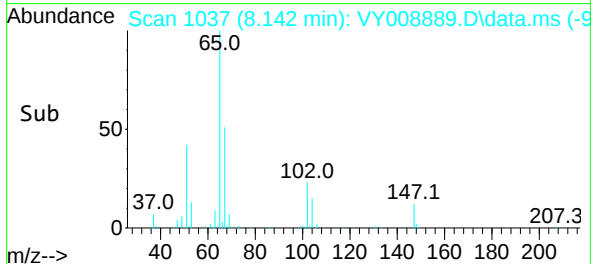
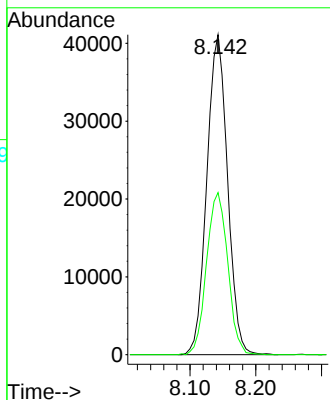
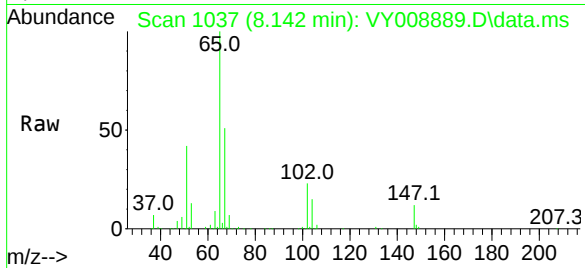




#33
 1,2-Dichloroethane-d4
 Concen: 64.736 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

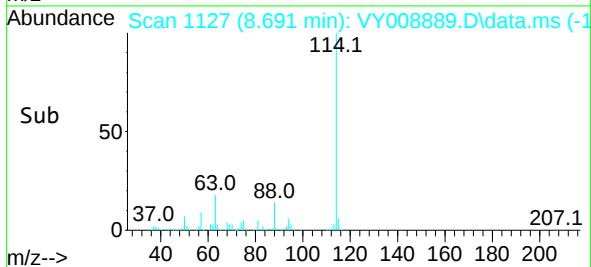
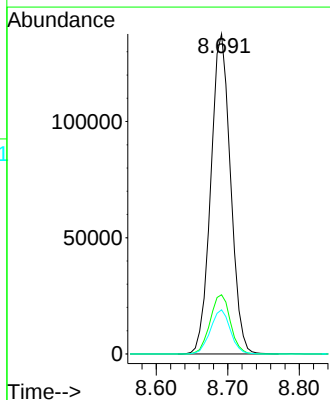
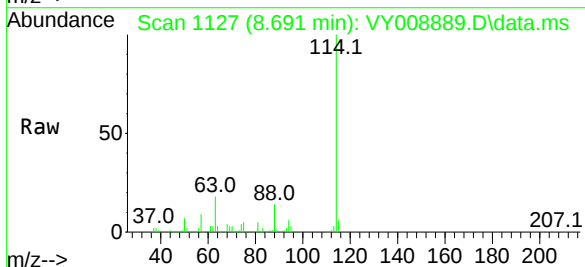
Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-1

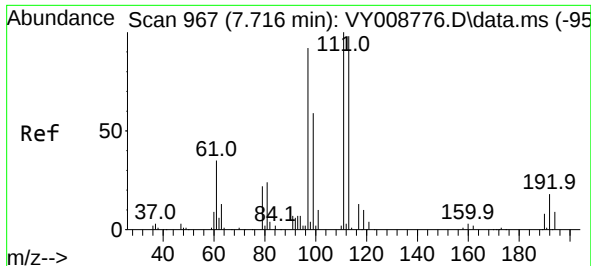
Tgt Ion: 65 Resp: 89982
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

Tgt Ion: 114 Resp: 263278
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.2
 88 13.8 0.0 31.8

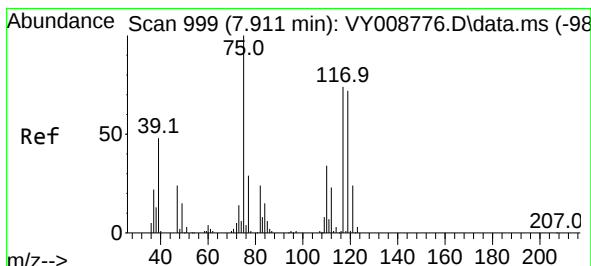
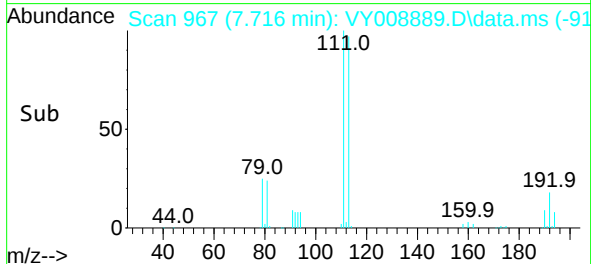
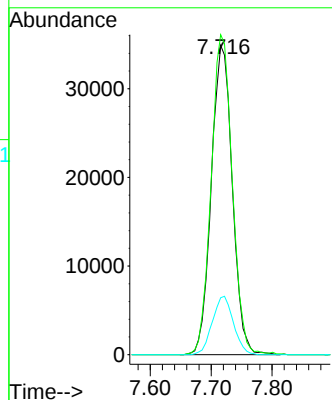
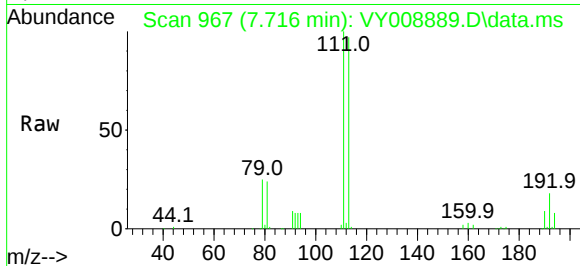




#35
Dibromofluoromethane
Concen: 54.276 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

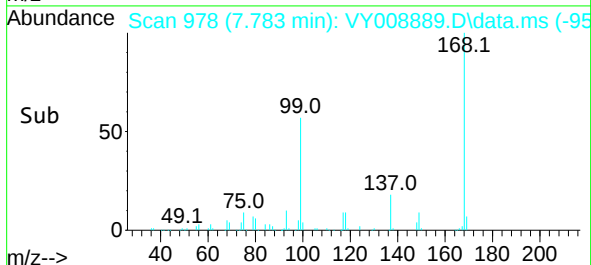
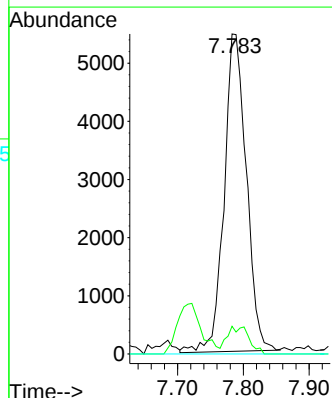
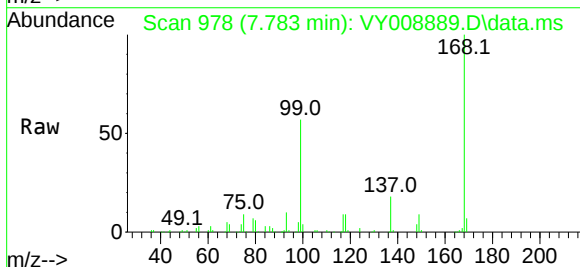
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

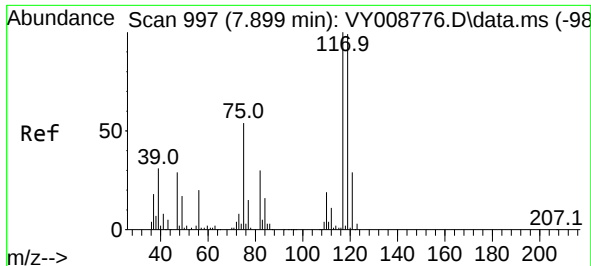
Tgt Ion:113 Resp: 83491
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.217 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 75 Resp: 12853
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#

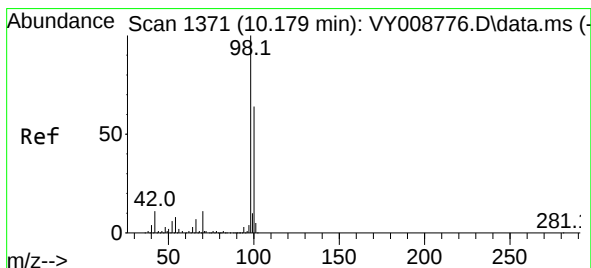
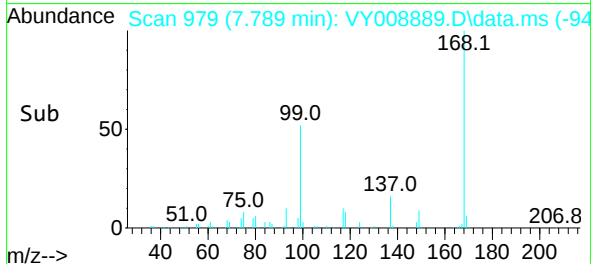
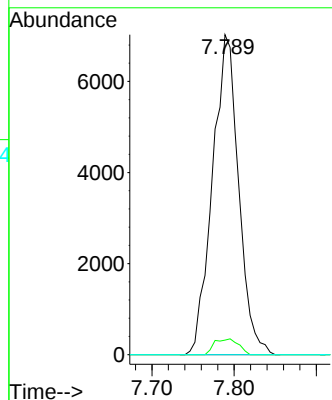
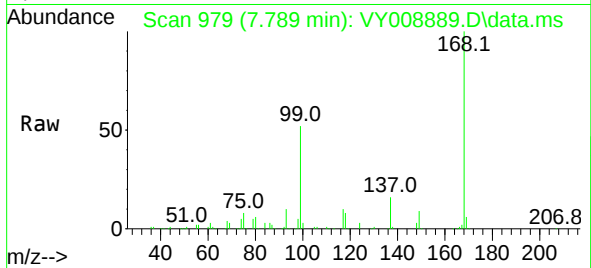




#38
Carbon Tetrachloride
Concen: 5.885 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

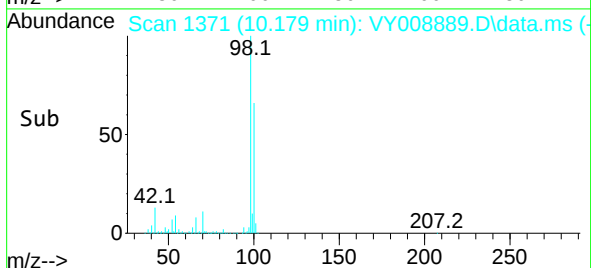
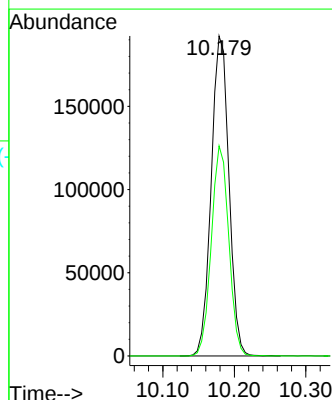
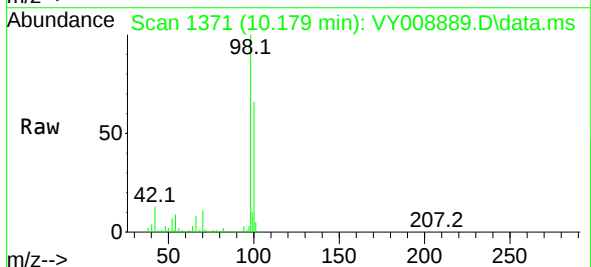
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

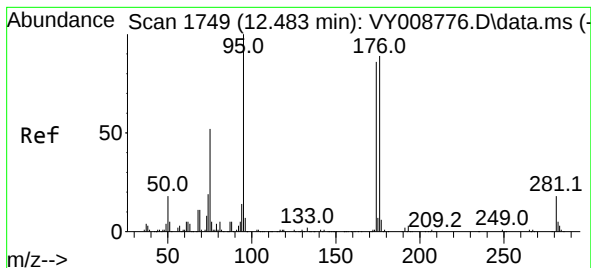
Tgt Ion:117 Resp: 15539
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.434 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 98 Resp: 330447
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

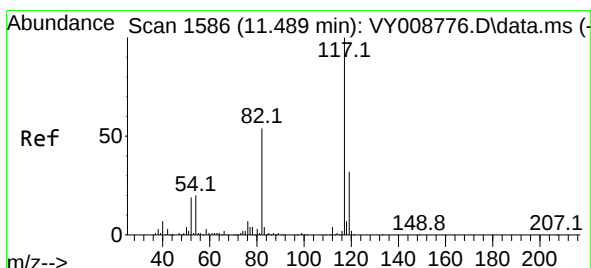
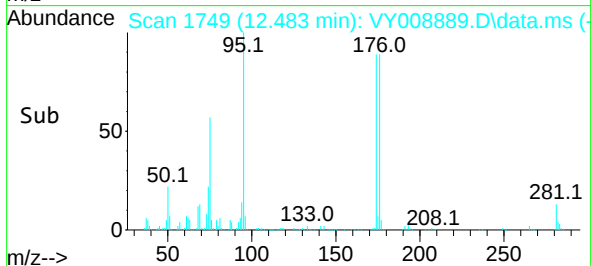
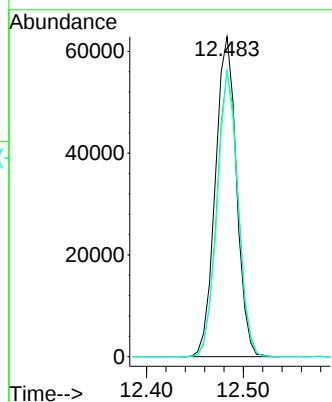
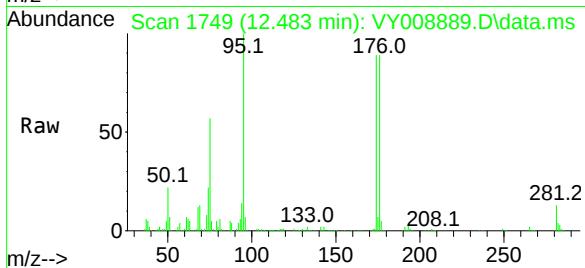




#62
4-Bromofluorobenzene
Concen: 39.829 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

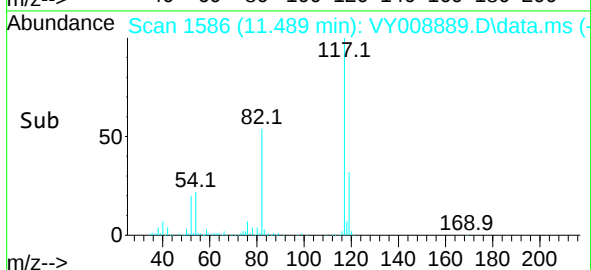
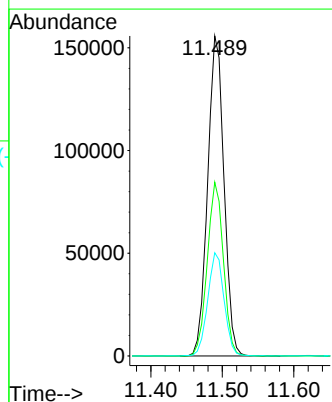
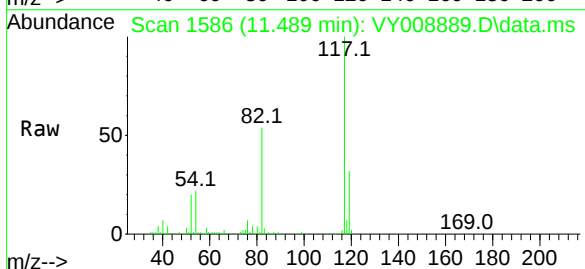
Instrument :
MSVOA_Y
ClientSampleId :
CDF-1

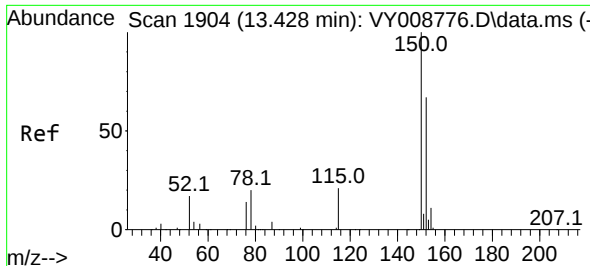
Tgt Ion: 95 Resp: 95328
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 87.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008889.D
Acq: 20 May 2022 00:41

Tgt Ion: 117 Resp: 247256
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 32.2 25.4 38.0

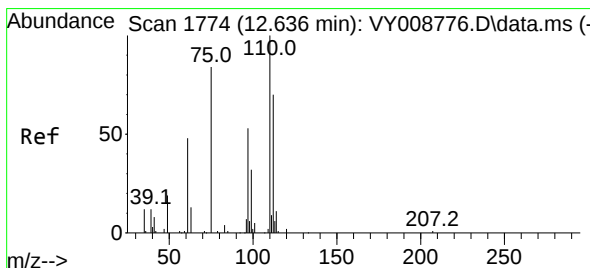
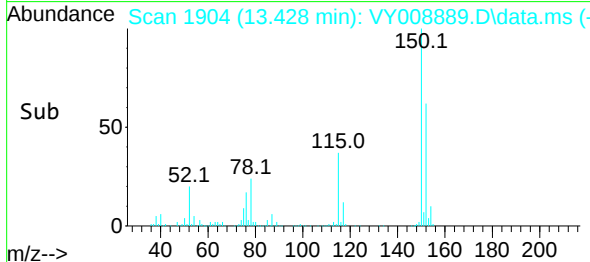
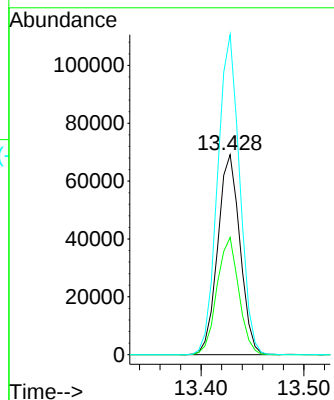
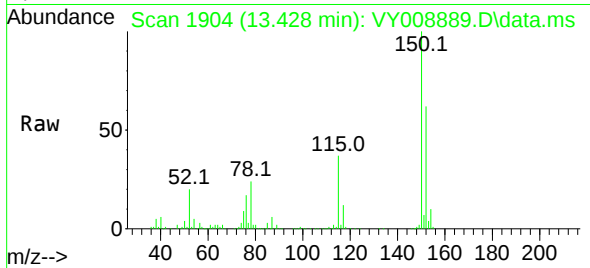




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

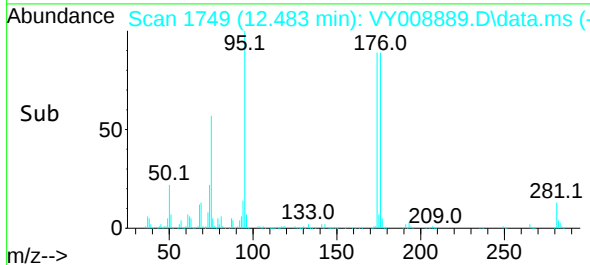
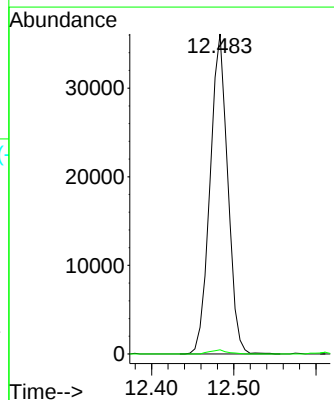
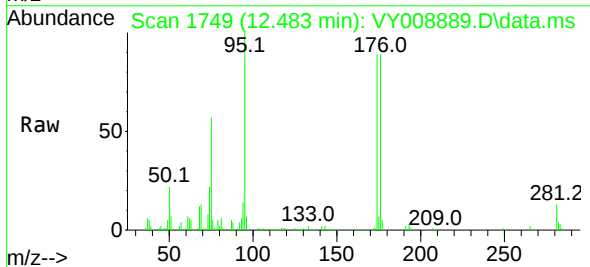
Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-1

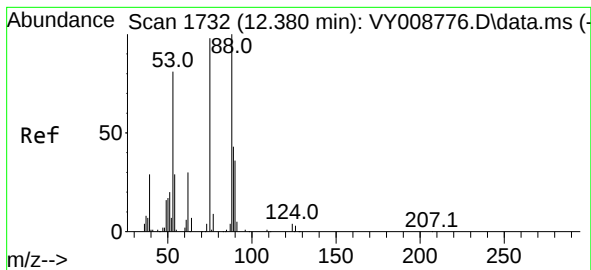
Tgt Ion:152 Resp: 103826
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.992 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

Tgt Ion: 75 Resp: 53961
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.411 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008889.D
 Acq: 20 May 2022 00:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-1

Tgt Ion: 75 Resp: 53961
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

