

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008890.D
 Acq On : 20 May 2022 01:04
 Operator : KP/MD
 Sample : N2906-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-2

Quant Time: May 20 02:57:27 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)

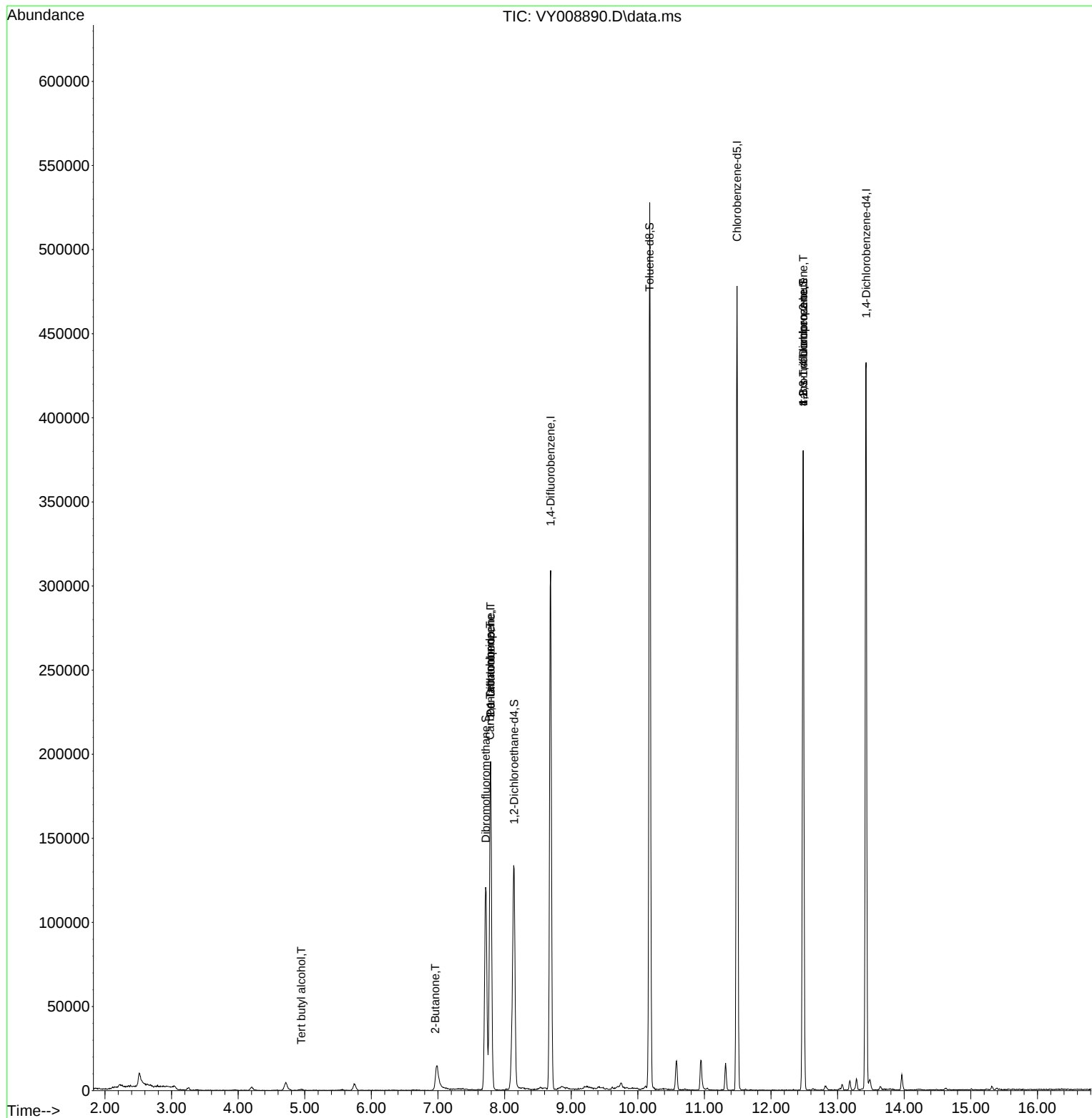
Internal Standards						
1) Pentafluorobenzene	7.789	168	151271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	263953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	90564	64.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.060%	
35) Dibromofluoromethane	7.716	113	84648	54.887	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.780%	
50) Toluene-d8	10.178	98	333474	48.732	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.460%	
62) 4-Bromofluorobenzene	12.483	95	97007	40.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	189	Below Cal	#	43
3) Chloromethane	2.113	50	232	Below Cal	#	44
4) Vinyl Chloride	2.216	62	55	Below Cal	#	43
5) Bromomethane	2.668	94	231	Below Cal	#	50
6) Chloroethane	2.753	64	24	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	154	Below Cal		91
11) Tert butyl alcohol	4.948	59	649	4.184 ug/l	#	86
16) Acetone	3.936	43	645	Below Cal	#	80
18) Methyl Acetate	4.570	43	51	Below Cal	#	56
20) Methylene Chloride	4.716	84	3361	Below Cal	#	79
25) 2-Butanone	6.960	43	1048	1.779 ug/l	#	54
31) Cyclohexane	7.789	56	3610	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	12671	5.130 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	14937	5.643 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	57255	46.052 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57255	100.729 ug/l	#	7

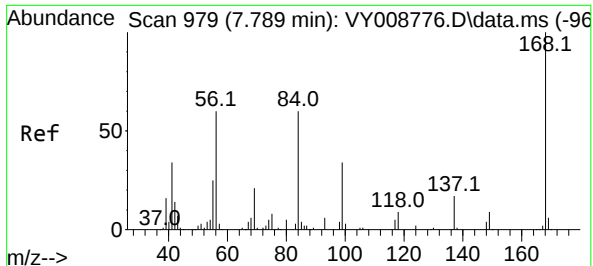
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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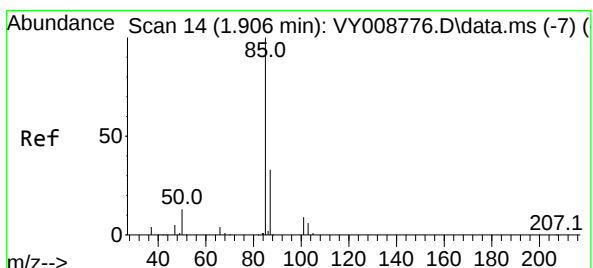
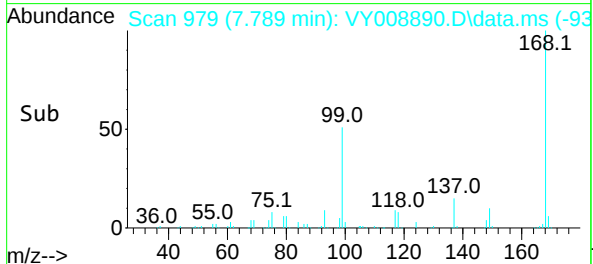
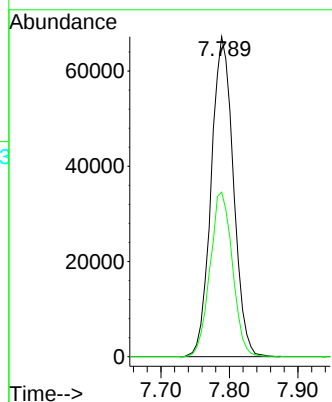
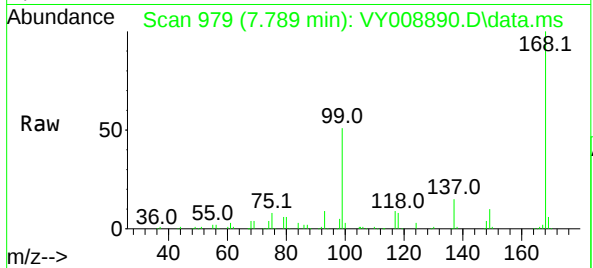




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

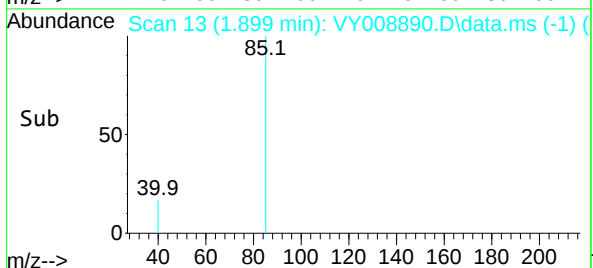
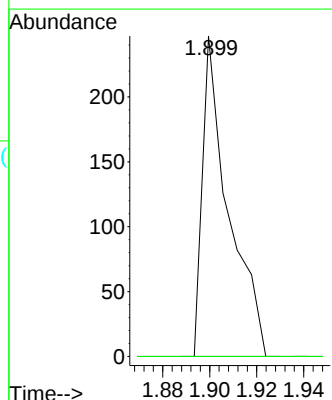
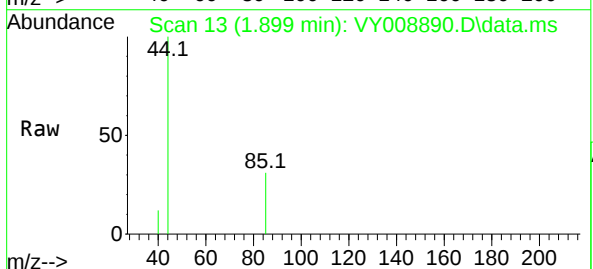
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

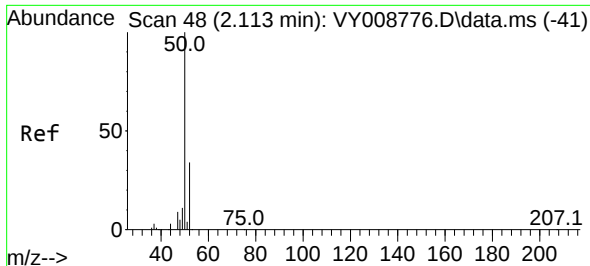
Tgt Ion:168 Resp: 151271
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.007 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 85 Resp: 189
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

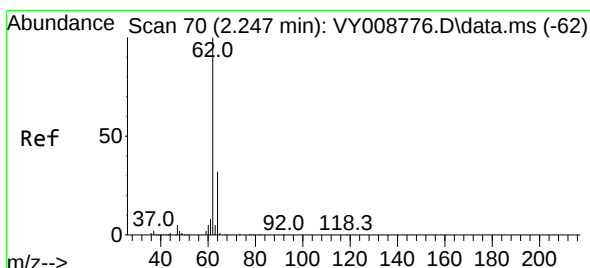
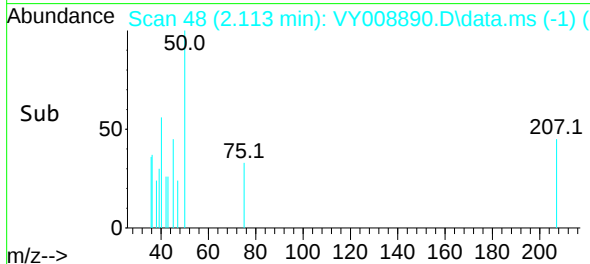
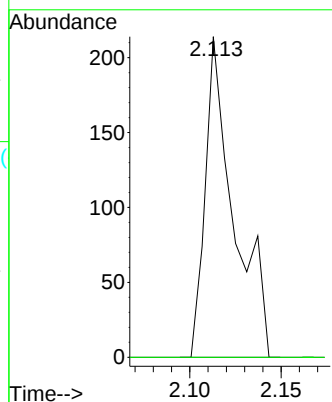
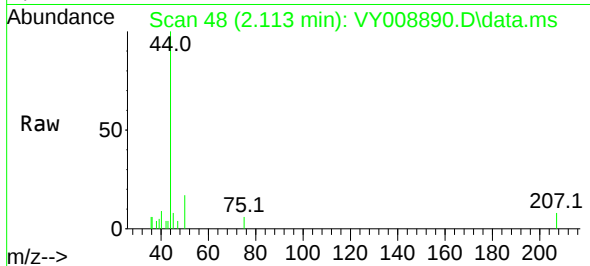




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

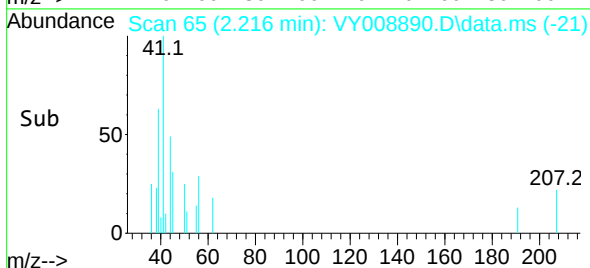
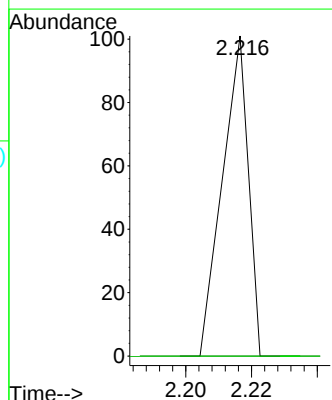
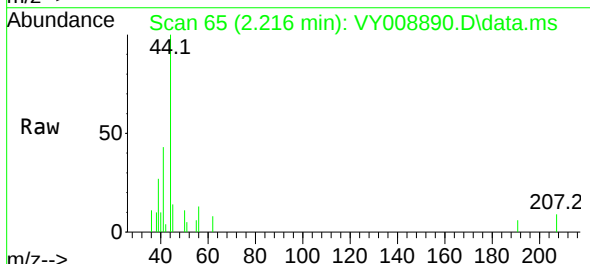
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

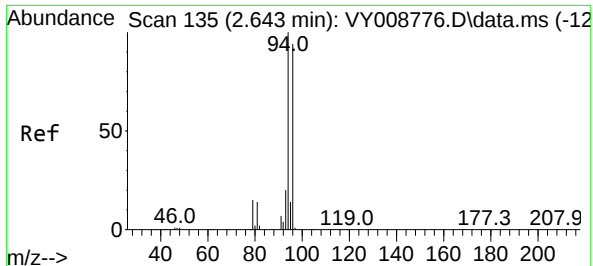
Tgt Ion: 50 Resp: 232
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.216 min Scan# 65
Delta R.T. -0.030 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 62 Resp: 55
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

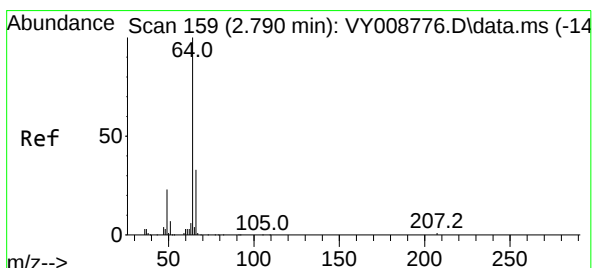
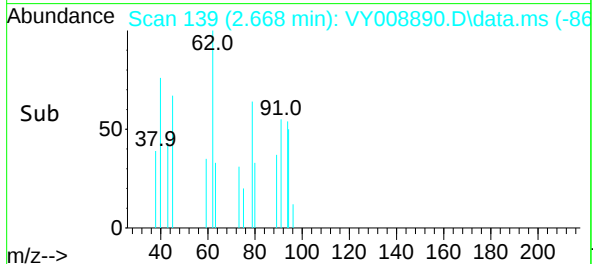
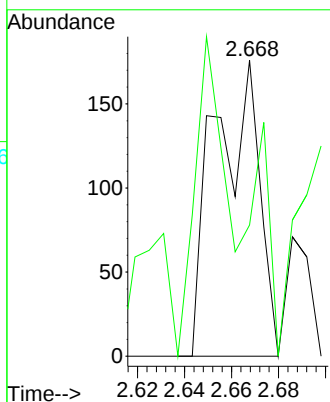
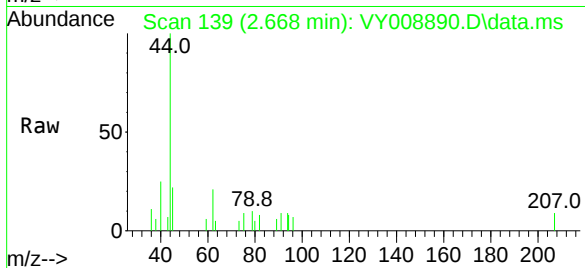




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

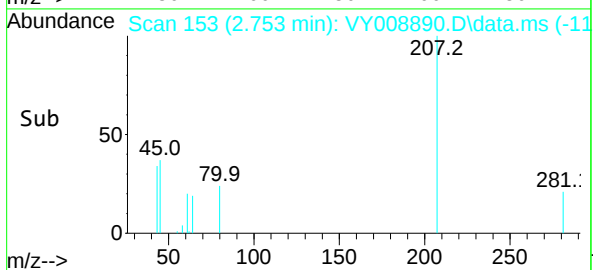
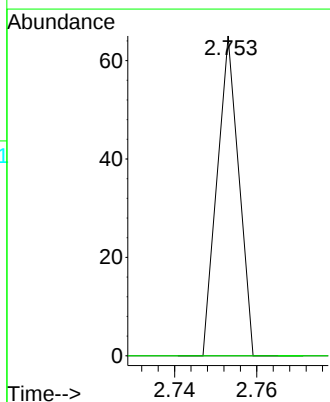
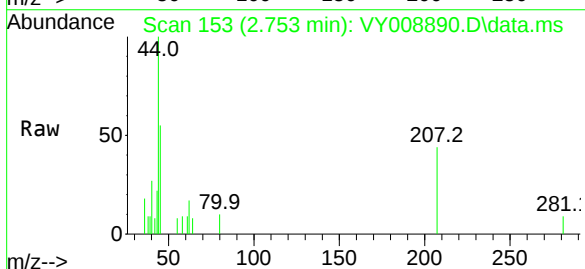
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

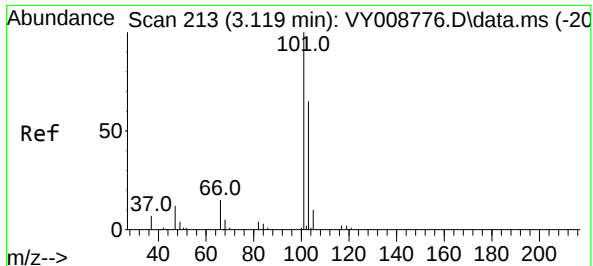
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 44.3 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.753 min Scan# 153
Delta R.T. -0.037 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

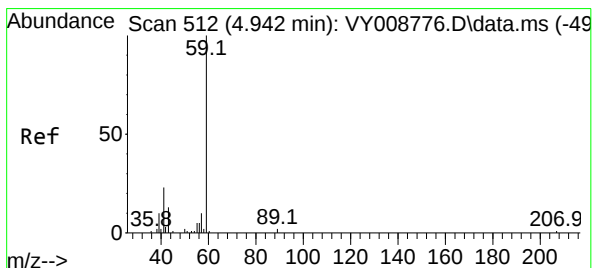
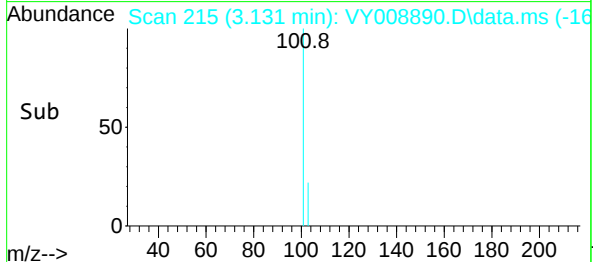
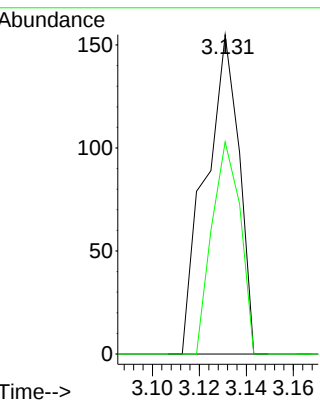
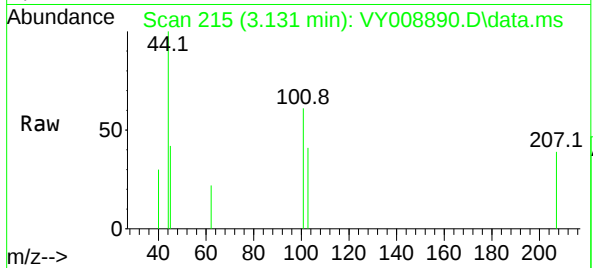




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

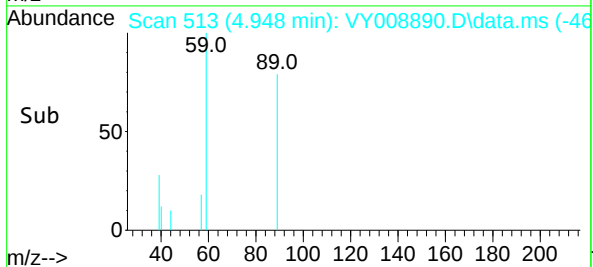
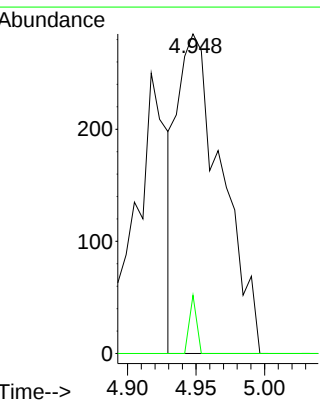
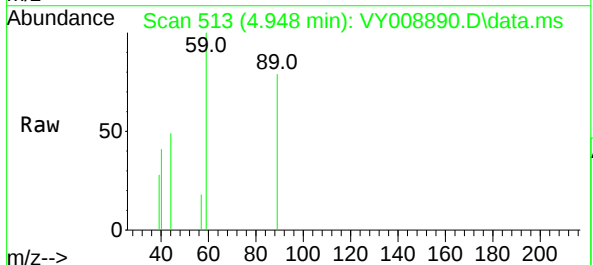
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

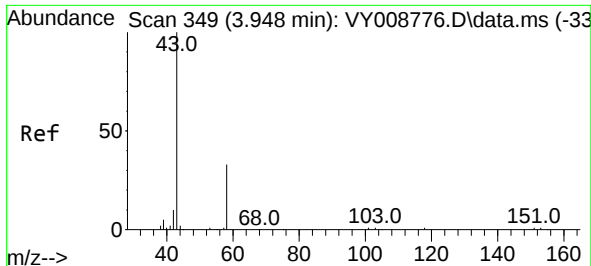
Tgt Ion:101 Resp: 154
Ion Ratio Lower Upper
101 100
103 66.5 48.0 72.0



#11
Tert butyl alcohol
Concen: 4.184 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 59 Resp: 649
Ion Ratio Lower Upper
59 100
57 2.9 6.4 9.6#

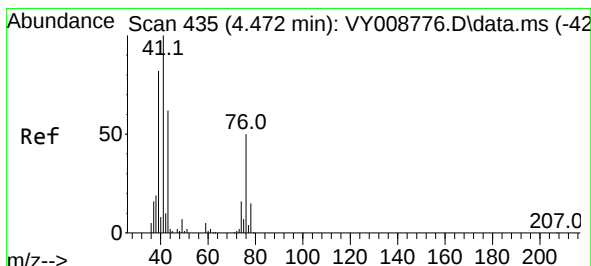
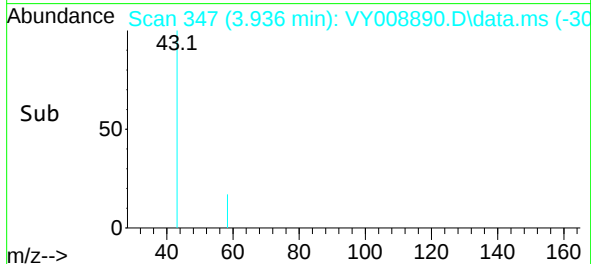
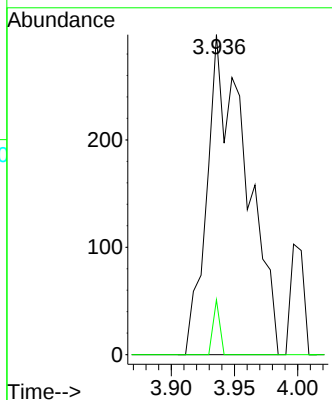
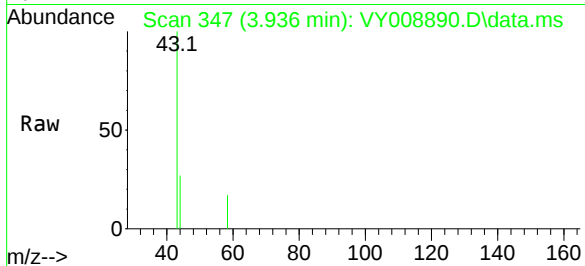




#16
Acetone
Concen: Below Cal
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

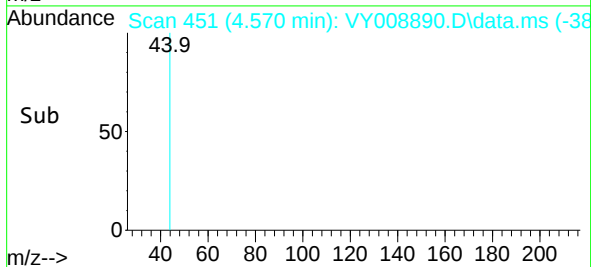
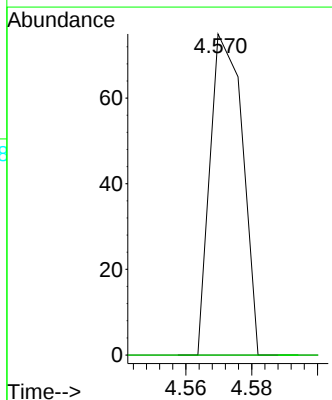
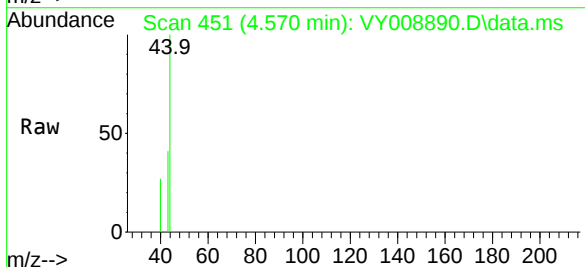
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

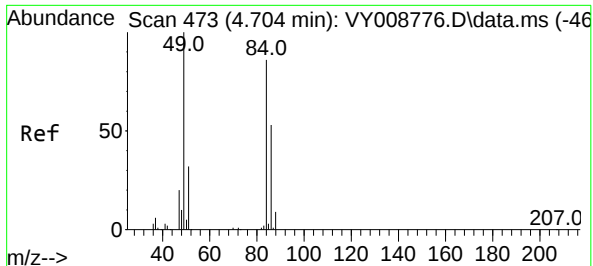
Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
58 17.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.570 min Scan# 451
Delta R.T. 0.098 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

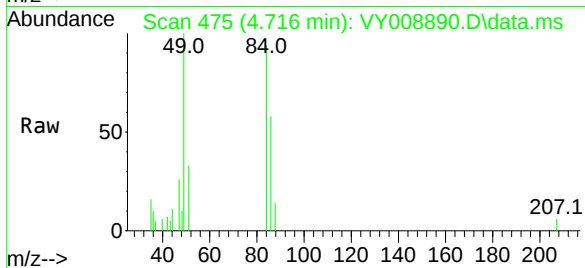
Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



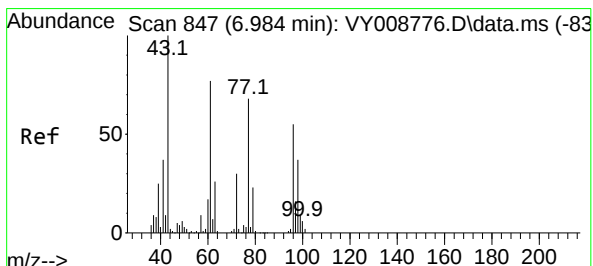
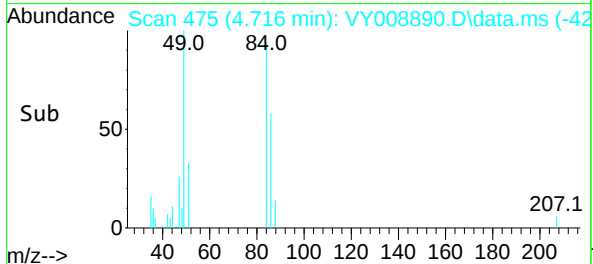
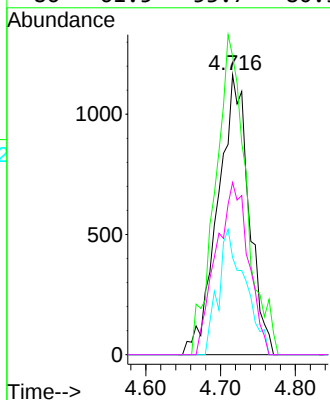


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Instrument :
MSVOA_Y
ClientSampleId :
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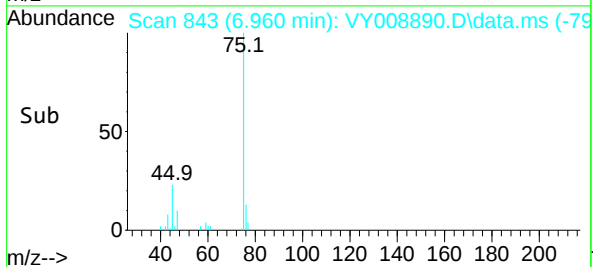
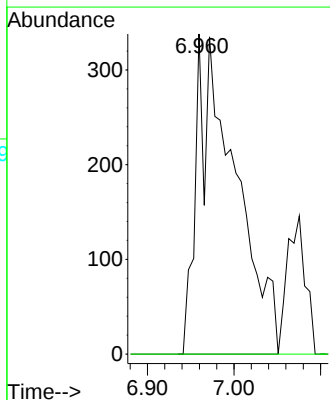
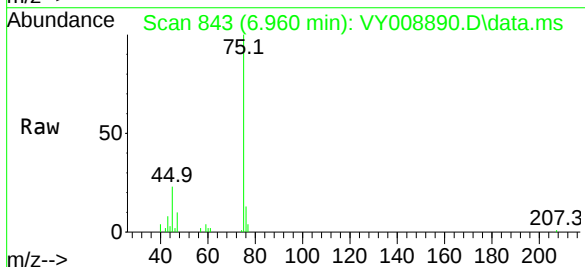


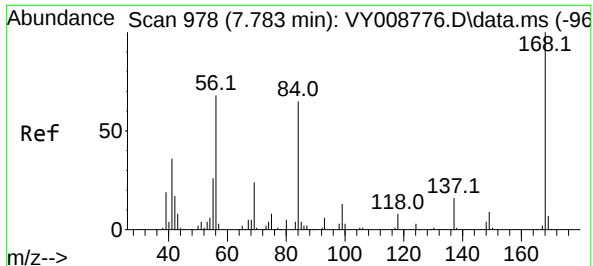
Tgt Ion: 84 Resp: 3361
Ion Ratio Lower Upper
84 100
49 106.7 114.4 171.6#
51 34.7 35.3 52.9#
86 61.5 53.7 80.5



#25
2-Butanone
Concen: 1.779 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.025 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

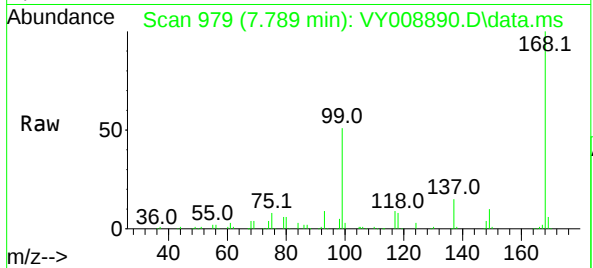
Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



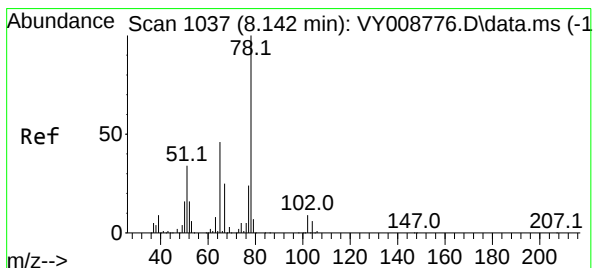
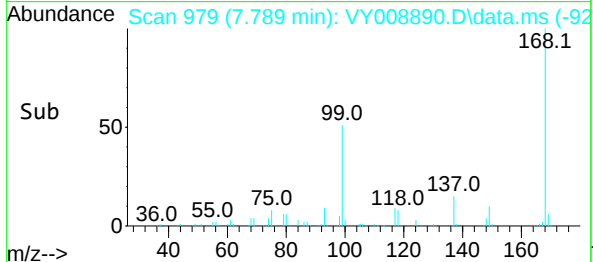
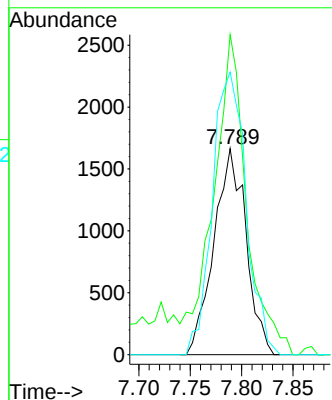


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Instrument :
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ClientSampleId :
CDF-2

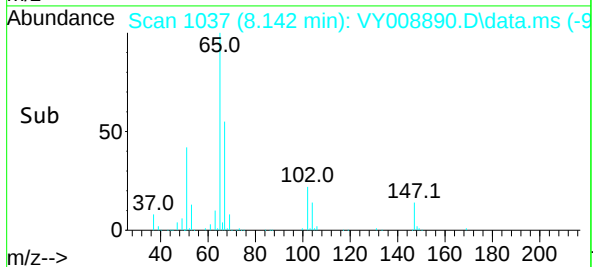
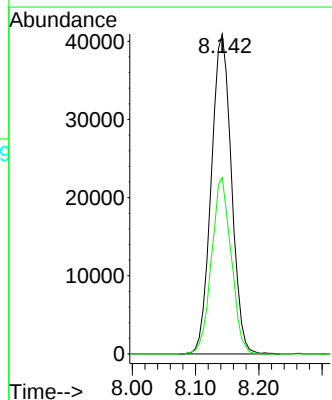
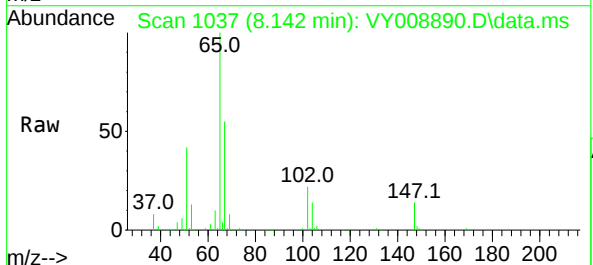


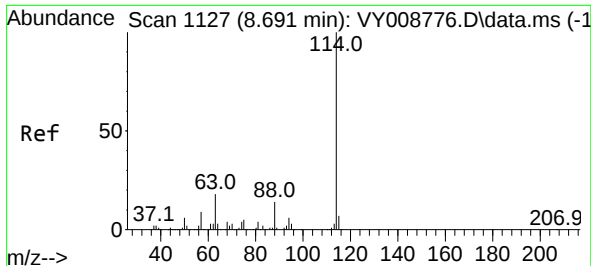
Tgt Ion: 56 Resp: 3610
Ion Ratio Lower Upper
56 100
69 147.2 26.7 40.1#
84 137.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.534 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 65 Resp: 90564
Ion Ratio Lower Upper
65 100
67 53.8 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: VY008890.D

Acq: 20 May 2022 01:04

Instrument :

MSVOA_Y

ClientSampleId :

CDF-2

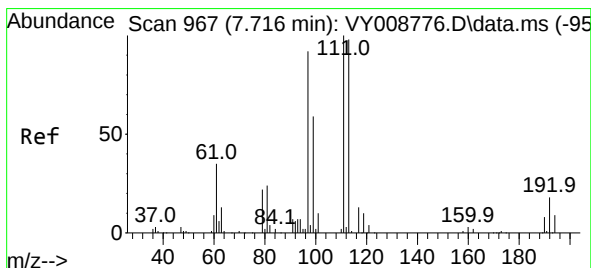
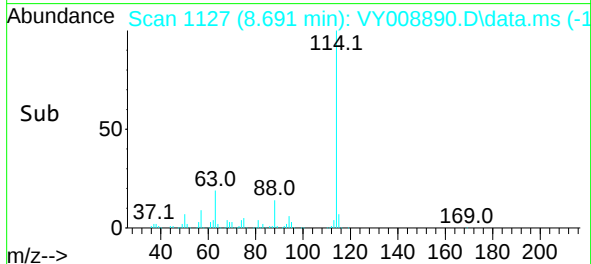
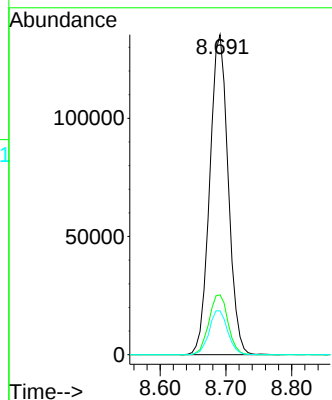
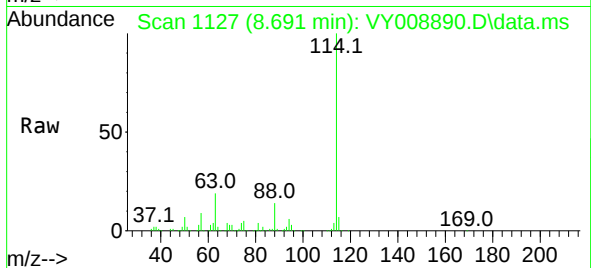
Tgt Ion:114 Resp: 263953

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.887 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008890.D

Acq: 20 May 2022 01:04

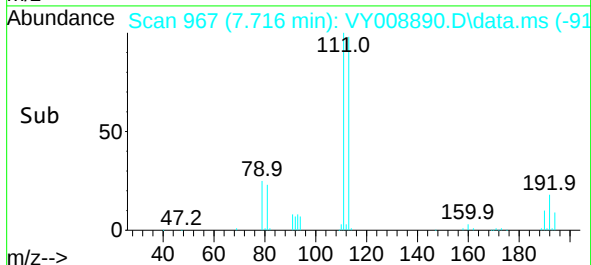
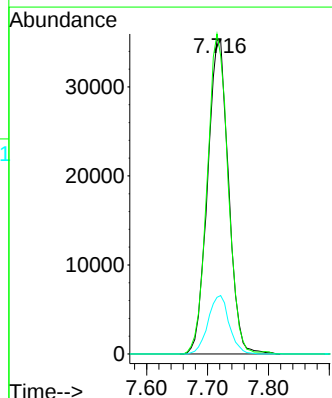
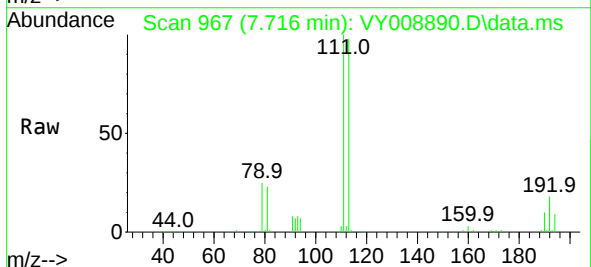
Tgt Ion:113 Resp: 84648

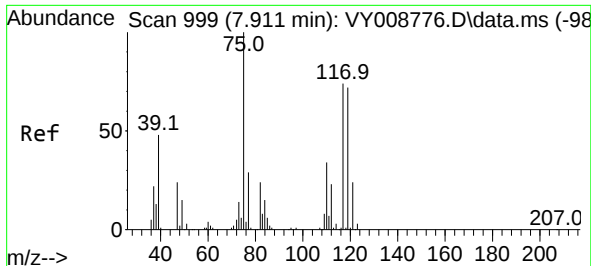
Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

192 18.6 17.6 26.4

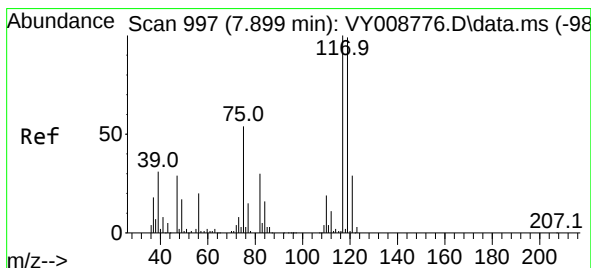
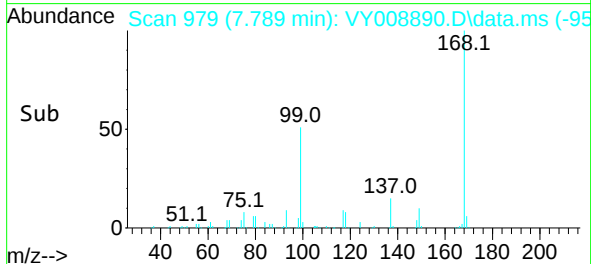
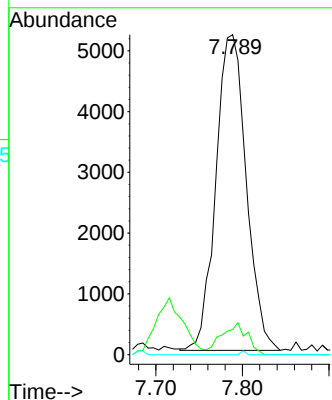
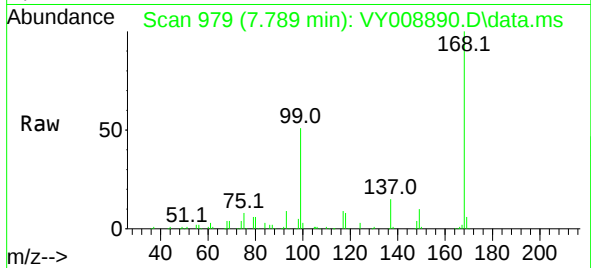




#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

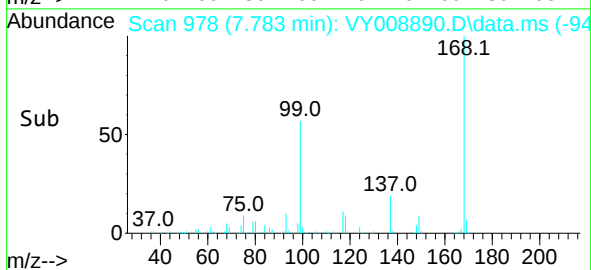
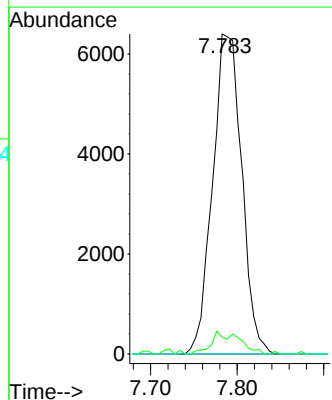
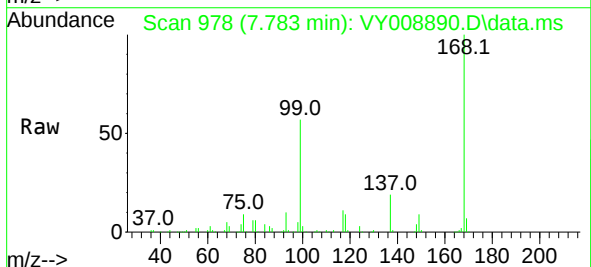
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

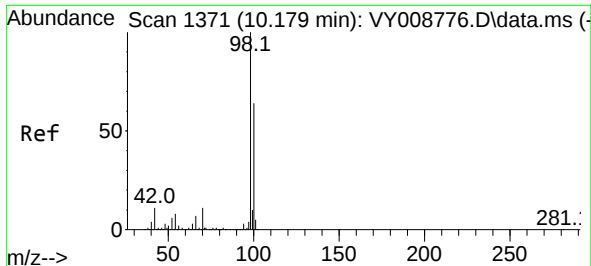
Tgt Ion: 75 Resp: 12671
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 117 Resp: 14937
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#

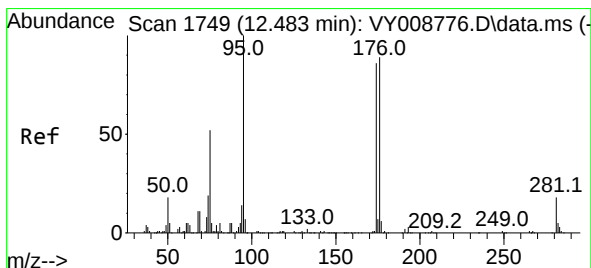
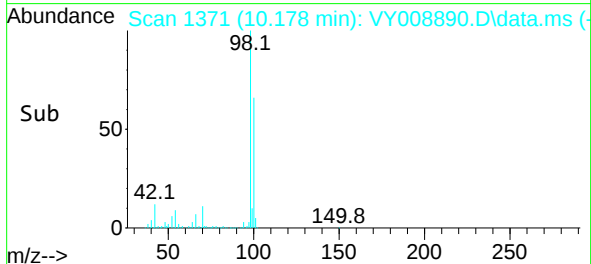
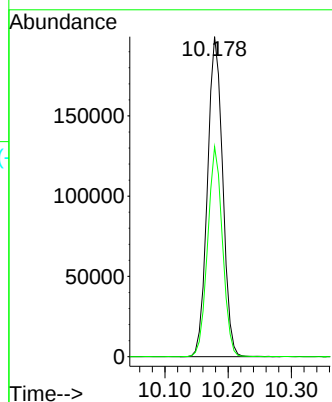
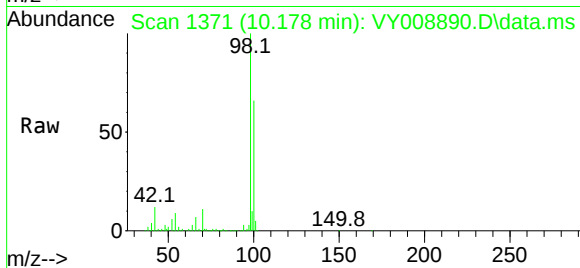




#50
Toluene-d8
Concen: 48.732 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

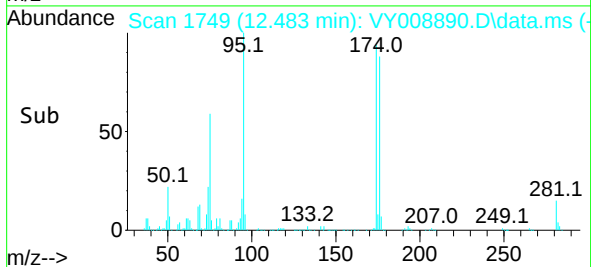
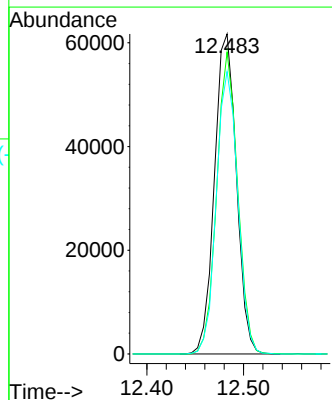
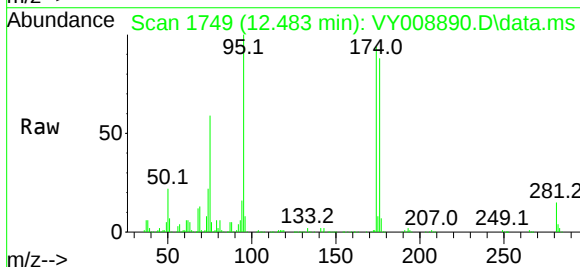
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

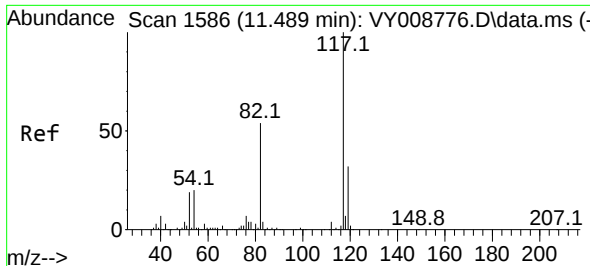
Tgt Ion: 98 Resp: 333474
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.375 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 95 Resp: 97007
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.0
176 86.5 0.0 175.8

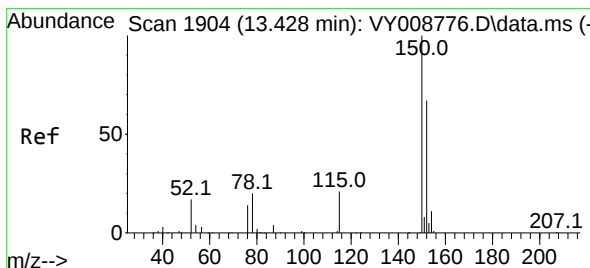
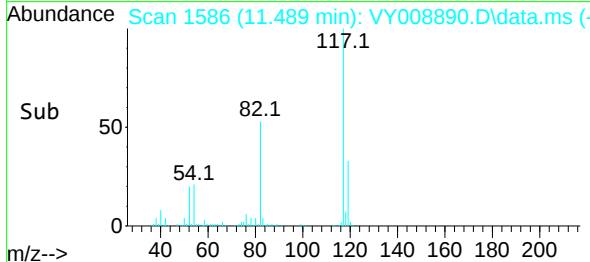
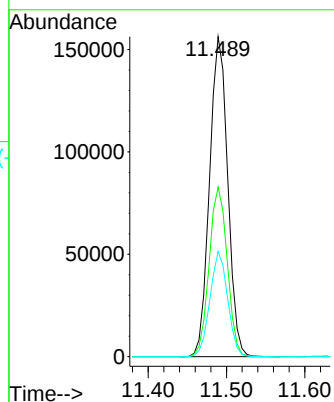
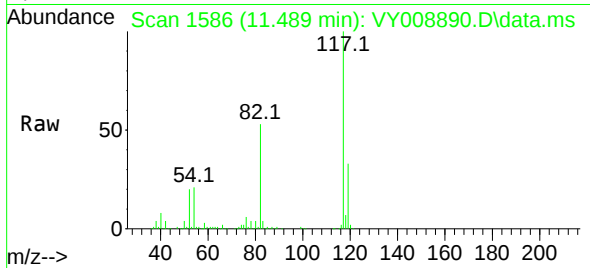




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

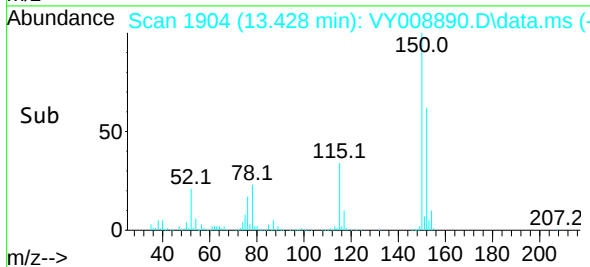
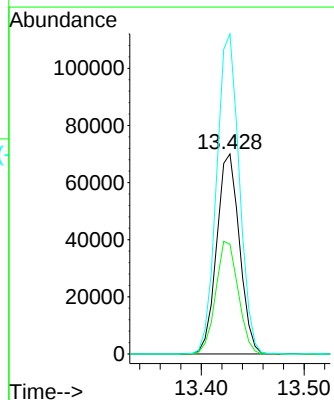
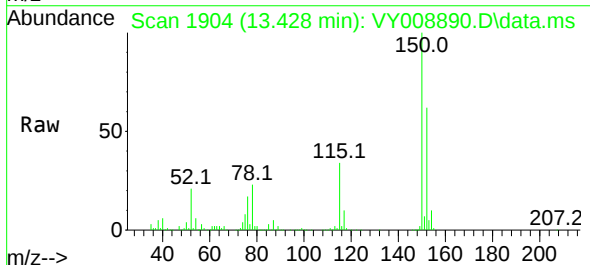
Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

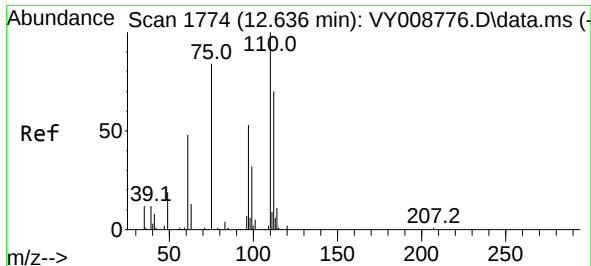
Tgt Ion:117 Resp: 251441
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion:152 Resp: 107629
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 159.1 0.0 347.6

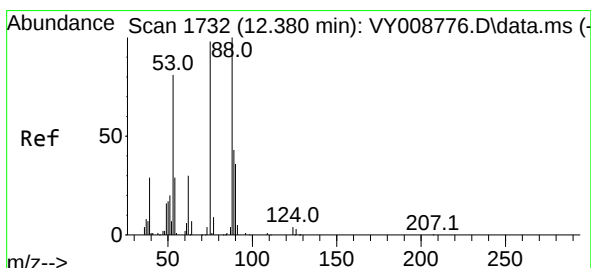
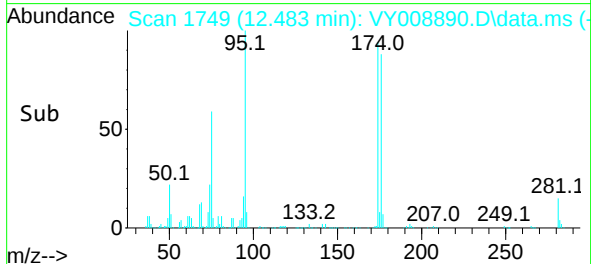
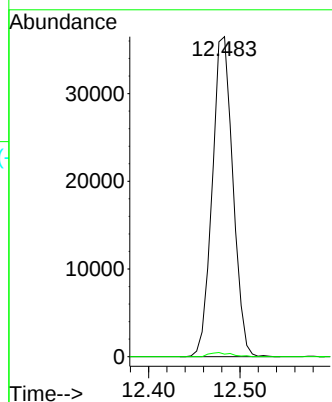
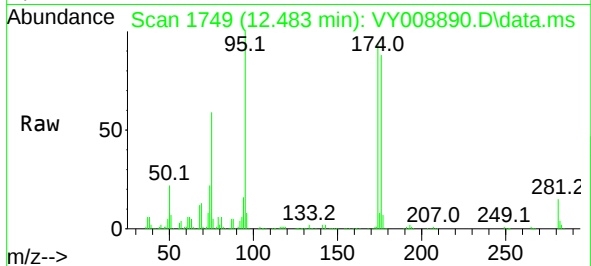




#76
1,2,3-Trichloropropane
Concen: 46.052 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Instrument :
MSVOA_Y
ClientSampleId :
CDF-2

Tgt Ion: 75 Resp: 57255
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.729 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008890.D
Acq: 20 May 2022 01:04

Tgt Ion: 75 Resp: 57255
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

