

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008891.D
 Acq On : 20 May 2022 01:28
 Operator : KP/MD
 Sample : N2906-03
 Misc : 3.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-3

Quant Time: May 20 02:57:38 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)

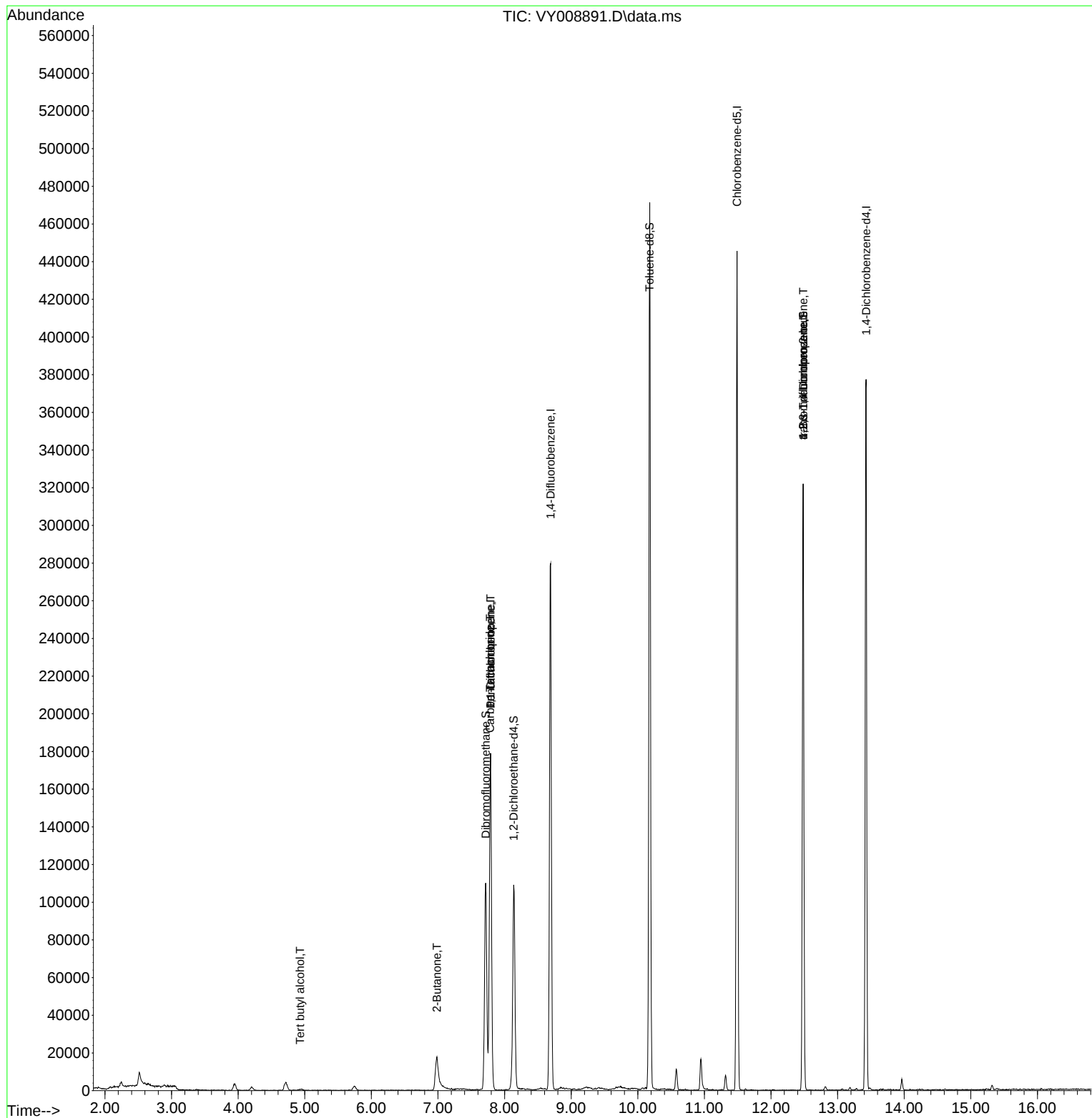
Internal Standards						
1) Pentafluorobenzene	7.789	168	135568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78175	62.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.320%	
35) Dibromofluoromethane	7.716	113	73504	52.636	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.280%	
50) Toluene-d8	10.179	98	297459	48.053	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.100%	
62) 4-Bromofluorobenzene	12.483	95	84046	38.782	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	692	Below Cal		95
3) Chloromethane	2.119	50	192	Below Cal	#	73
4) Vinyl Chloride	2.235	62	40	Below Cal	#	43
5) Bromomethane	2.649	94	91	Below Cal	#	59
6) Chloroethane	2.826	64	47	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	145	1.043 ug/l	#	77
16) Acetone	3.948	43	6445	Below Cal	#	88
18) Methyl Acetate	4.478	43	21	Below Cal	#	56
20) Methylene Chloride	4.716	84	3465	Below Cal	#	84
25) 2-Butanone	6.984	43	1112	2.107 ug/l		97
31) Cyclohexane	7.789	56	3397	Below Cal	#	56
36) 1,1-Dichloropropene	7.789	75	11675	5.220 ug/l	#	49
38) Carbon Tetrachloride	7.783	117	13873	5.788 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	48588	44.976 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48588	98.376 ug/l	#	7

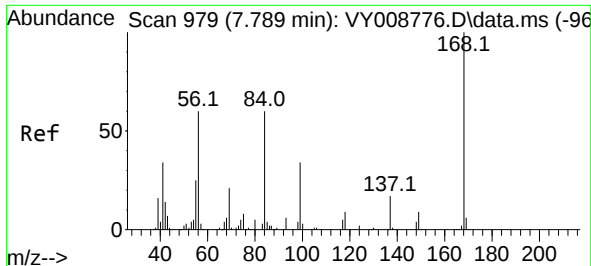
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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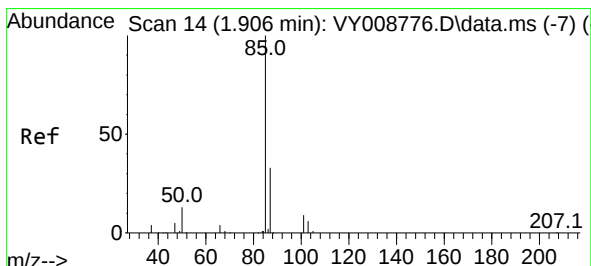
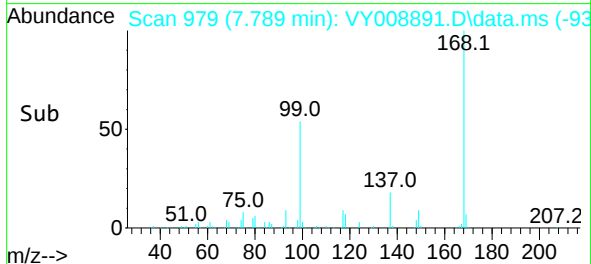
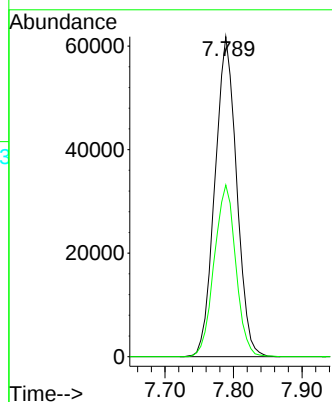
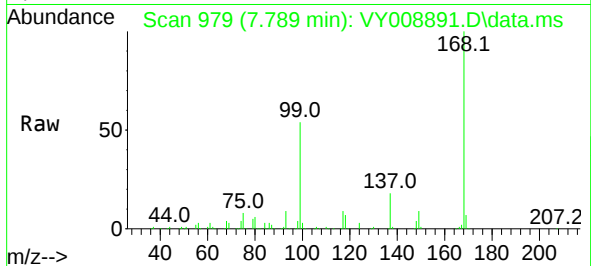




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

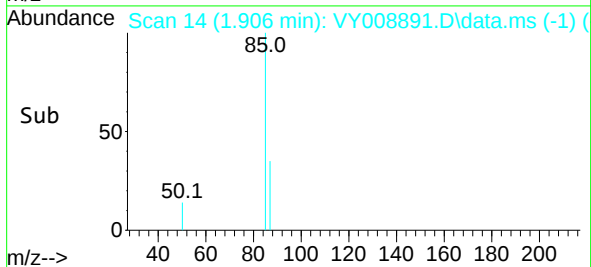
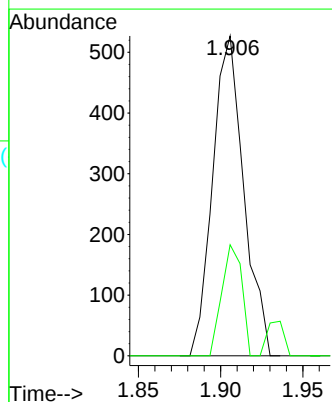
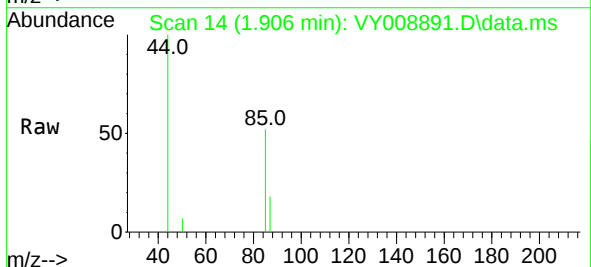
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

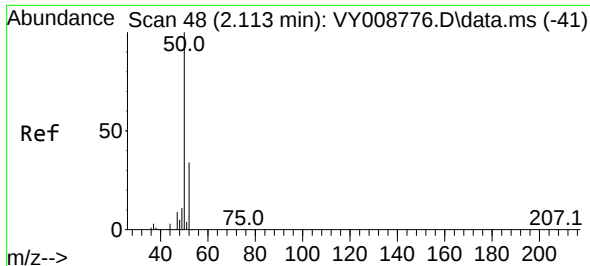
Tgt Ion:168 Resp: 135568
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 85 Resp: 692
Ion Ratio Lower Upper
85 100
87 34.7 16.1 48.2

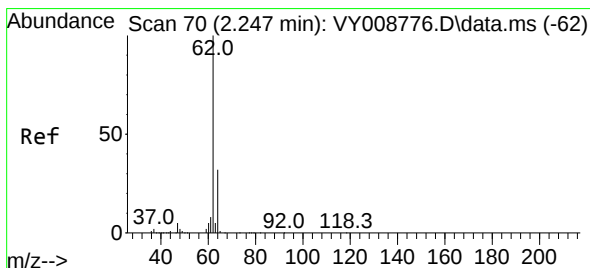
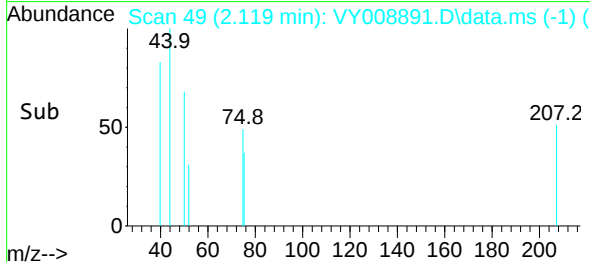
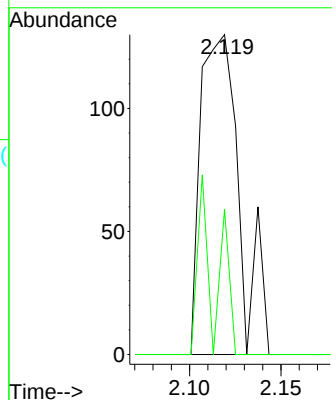
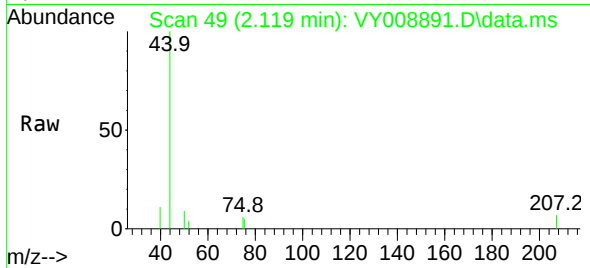




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

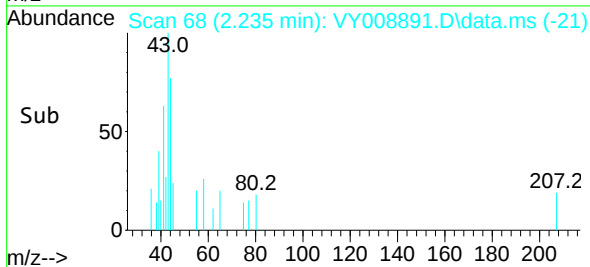
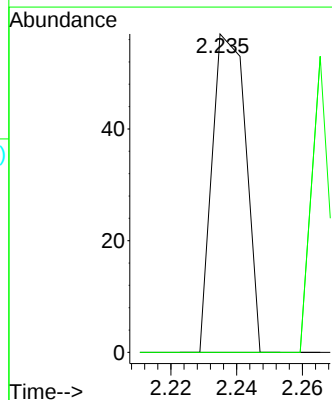
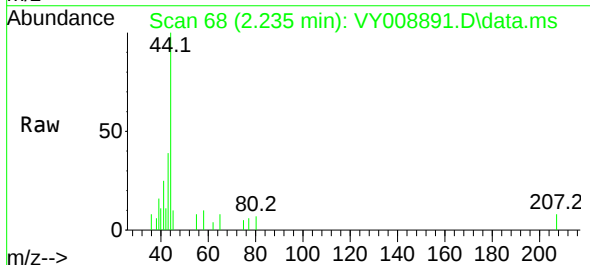
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

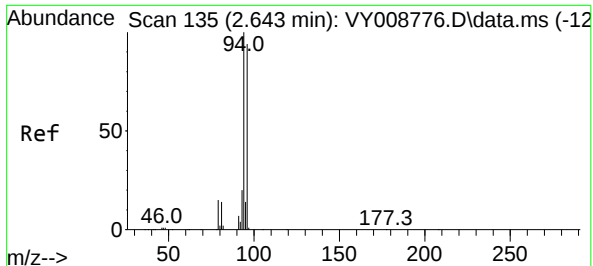
Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 45.4 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

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

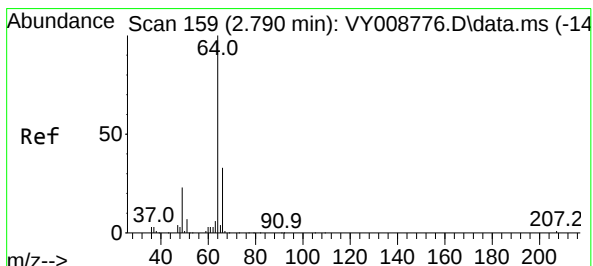
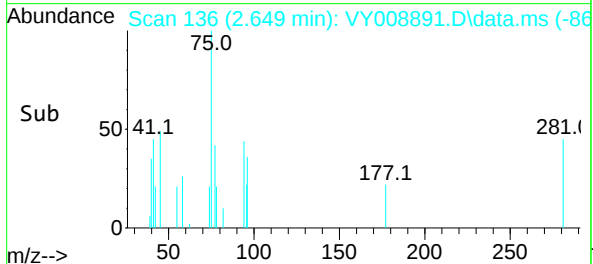
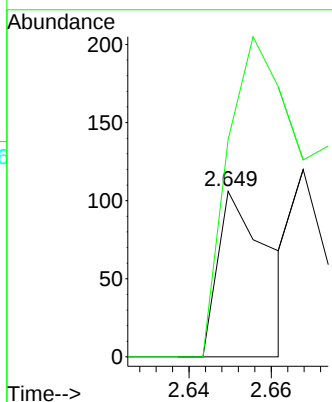
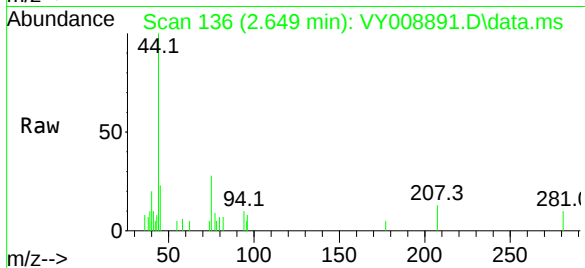




#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

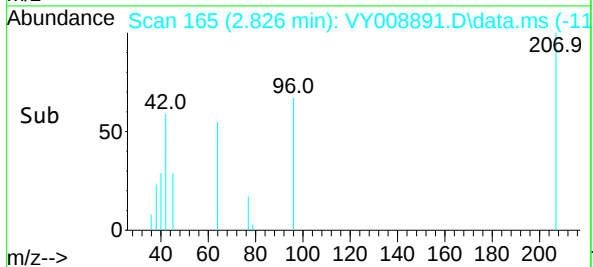
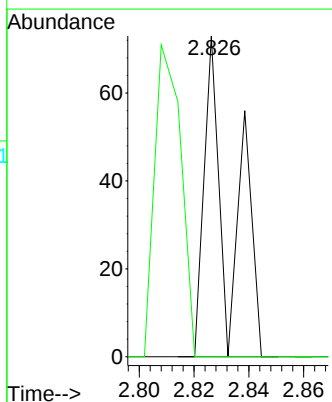
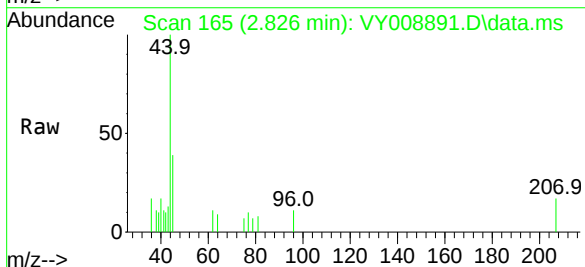
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

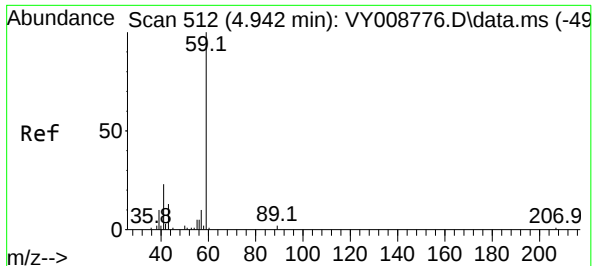
Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 131.1 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.826 min Scan# 165
Delta R.T. 0.036 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

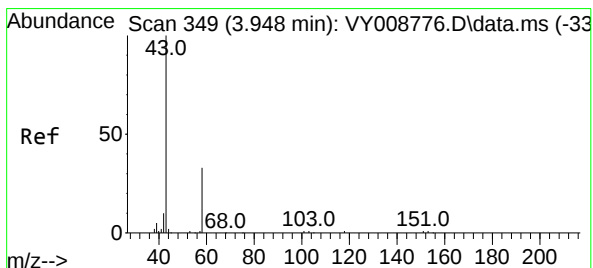
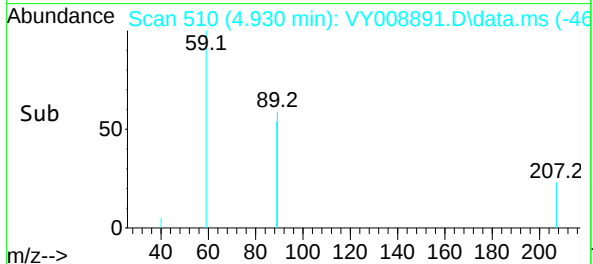
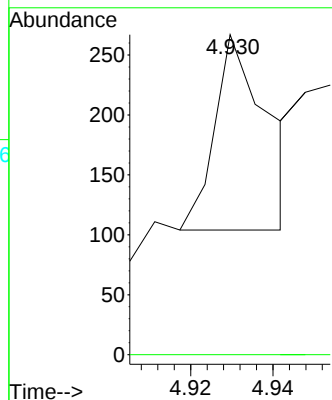
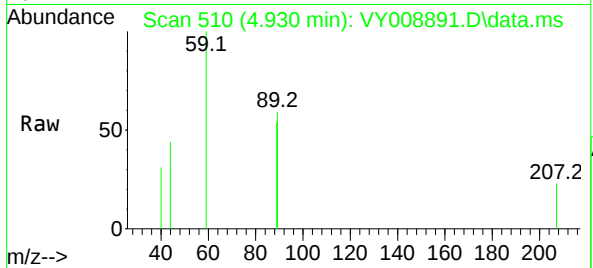




#11
Tert butyl alcohol
Concen: 1.043 ug/l
RT: 4.930 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

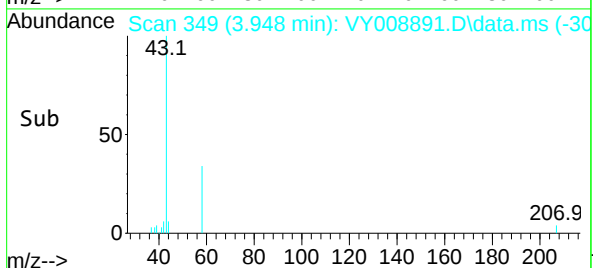
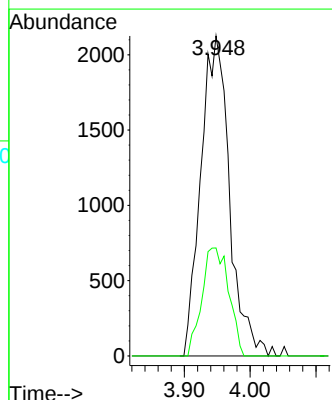
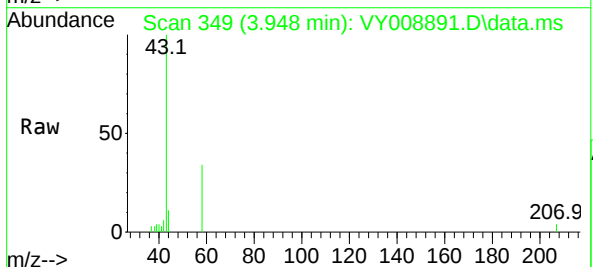
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

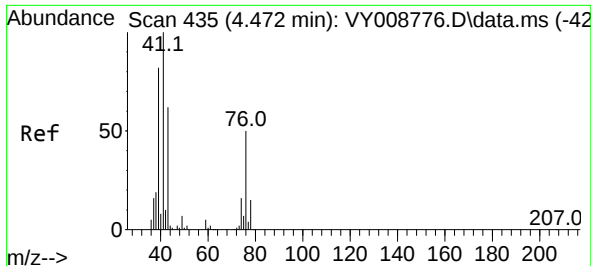
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 43 Resp: 6445
Ion Ratio Lower Upper
43 100
58 33.7 22.0 33.0#

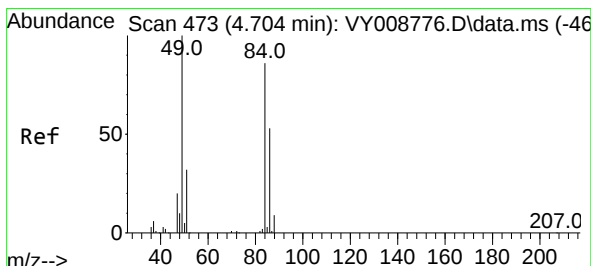
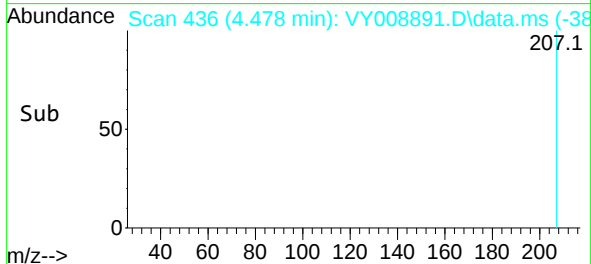
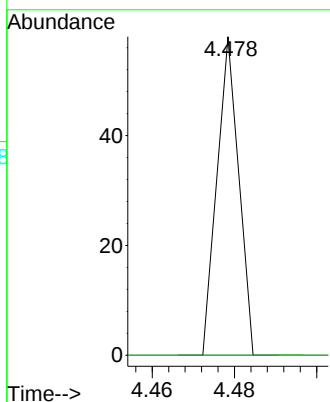
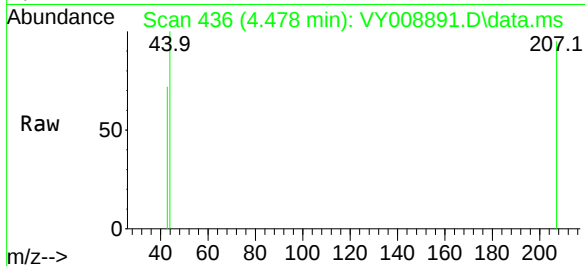




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

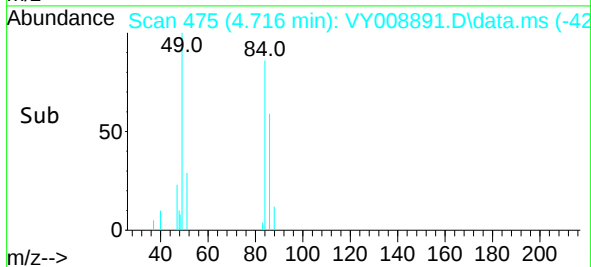
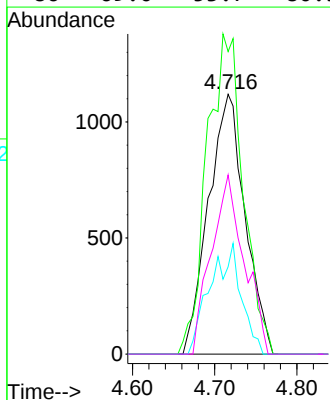
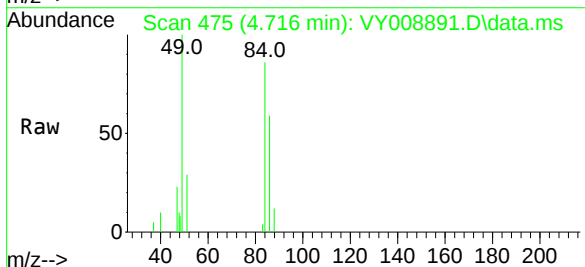
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

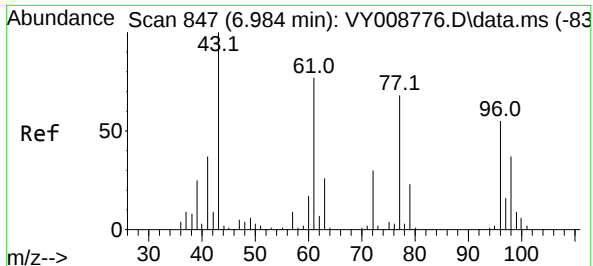
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 84 Resp: 3465
Ion Ratio Lower Upper
84 100
49 116.4 114.4 171.6
51 33.6 35.3 52.9#
86 69.0 53.7 80.5





#25

2-Butanone

Concen: 2.107 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY008891.D

Acq: 20 May 2022 01:28

Instrument :

MSVOA_Y

ClientSampleId :

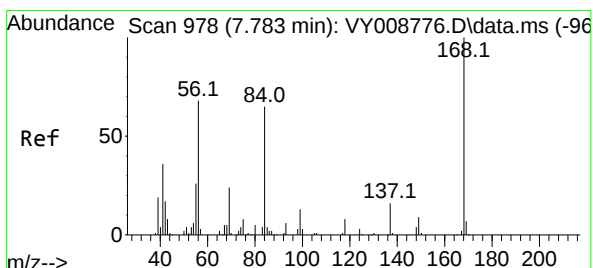
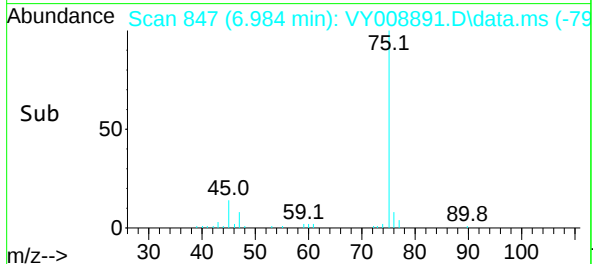
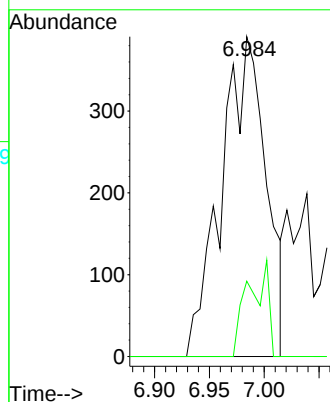
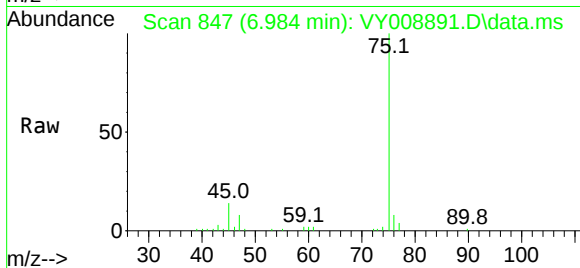
CDF-3

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

72 23.5 17.7 26.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008891.D

Acq: 20 May 2022 01:28

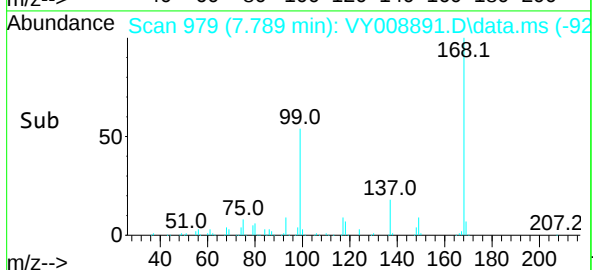
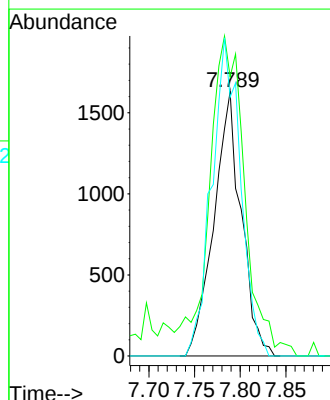
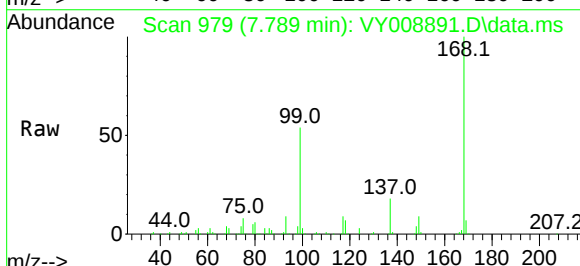
Tgt Ion: 56 Resp: 3397

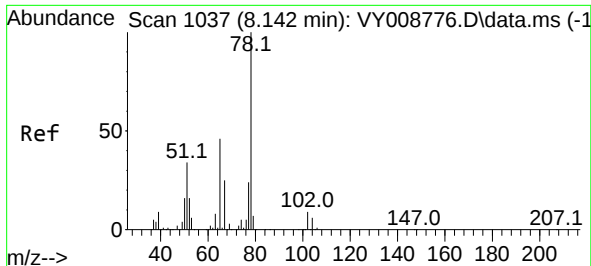
Ion Ratio Lower Upper

56 100

69 100.4 26.7 40.1#

84 97.8 67.2 100.8

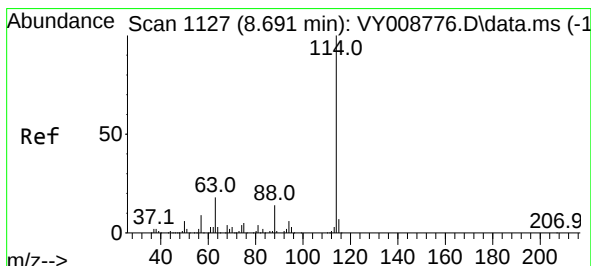
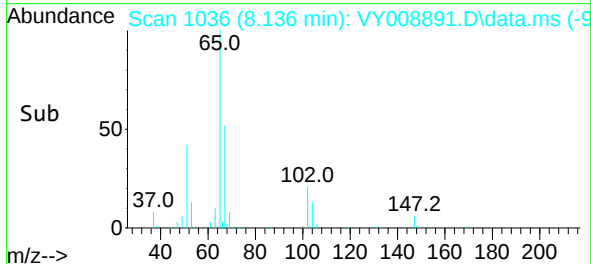
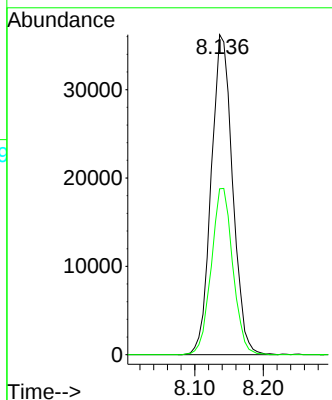
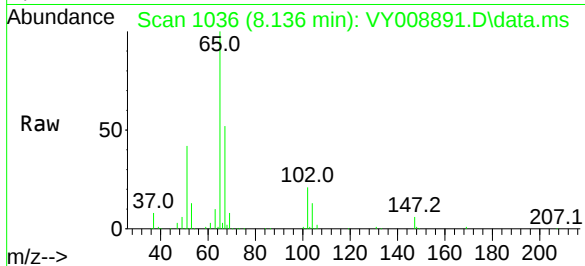




#33
 1,2-Dichloroethane-d4
 Concen: 62.159 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY008891.D
 Acq: 20 May 2022 01:28

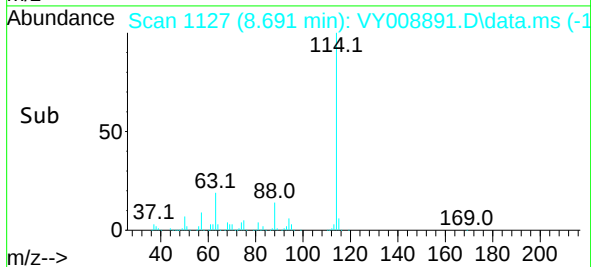
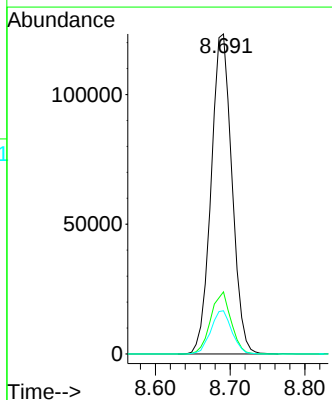
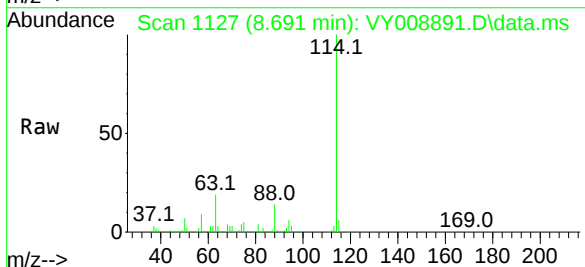
Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-3

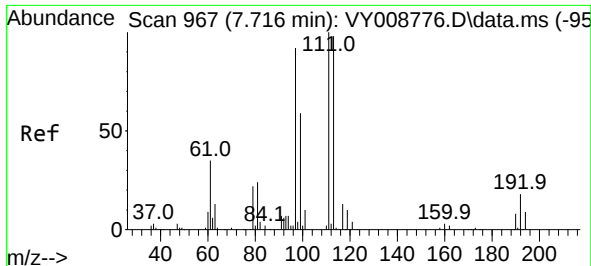
Tgt Ion: 65 Resp: 78175
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY008891.D
 Acq: 20 May 2022 01:28

Tgt Ion: 114 Resp: 239007
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.2
 88 13.5 0.0 31.8

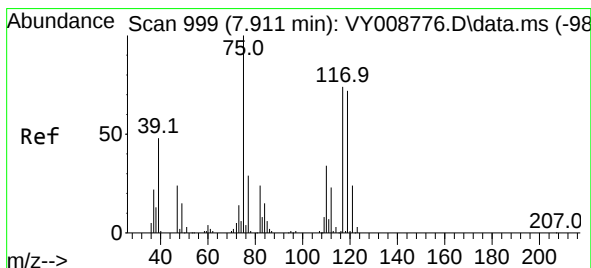
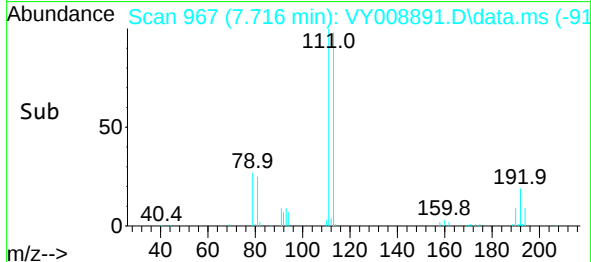
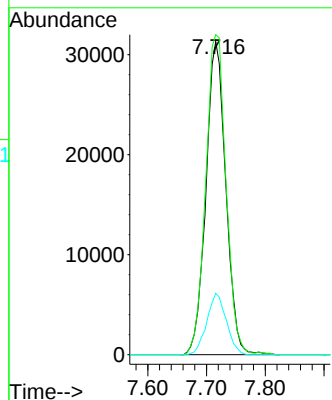
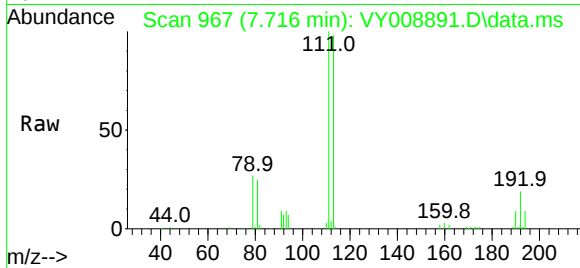




#35
Dibromofluoromethane
Concen: 52.636 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

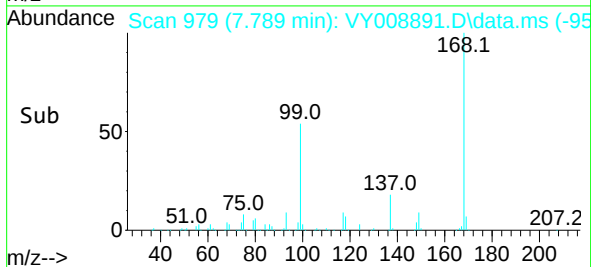
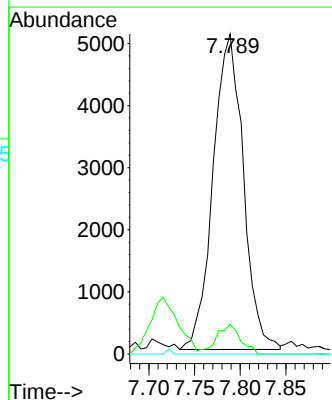
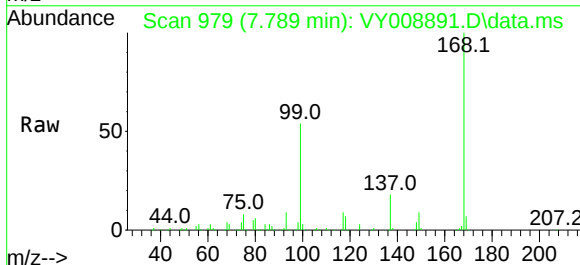
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

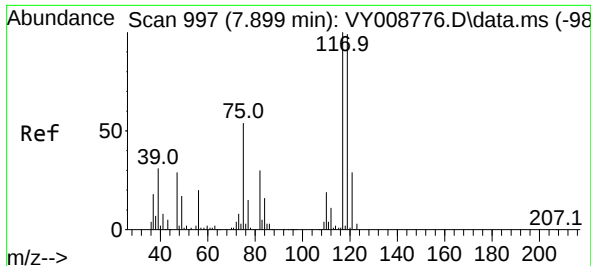
Tgt Ion:113 Resp: 73504
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 75 Resp: 11675
Ion Ratio Lower Upper
75 100
110 7.2 17.1 51.2#
77 0.0 24.4 36.6#

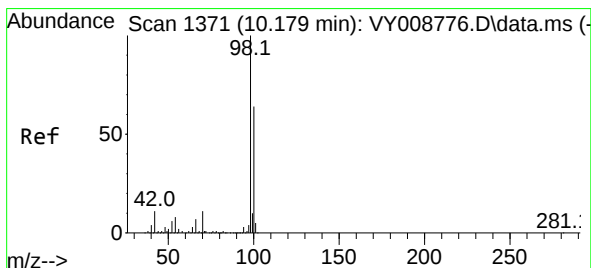
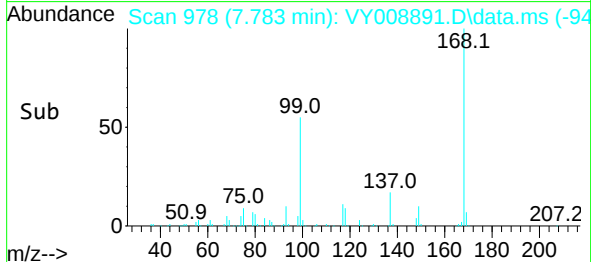
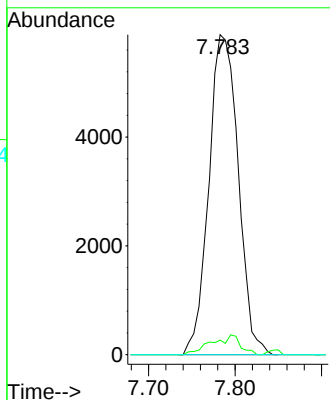
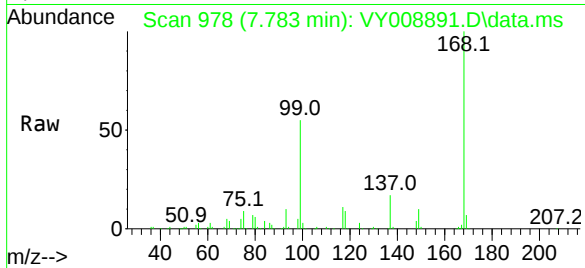




#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

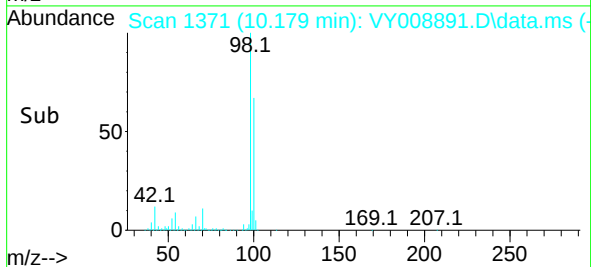
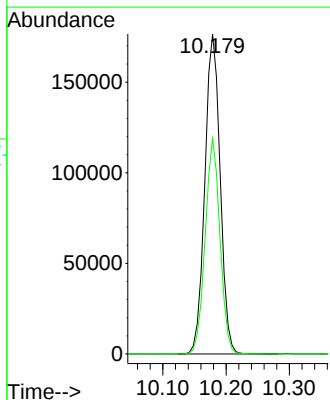
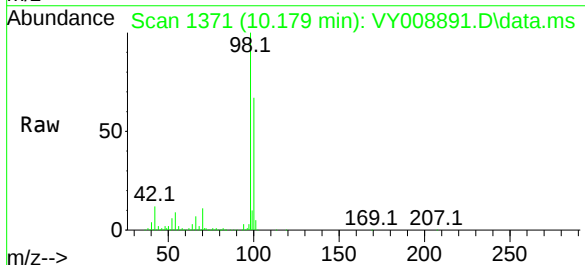
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

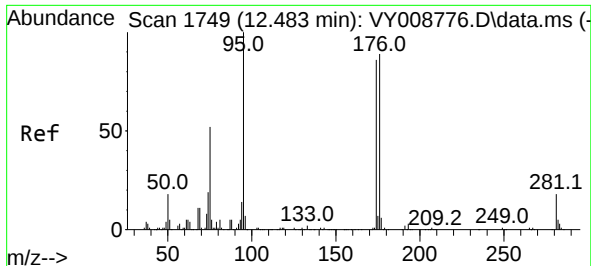
Tgt Ion:117 Resp: 13873
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.053 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 98 Resp: 297459
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

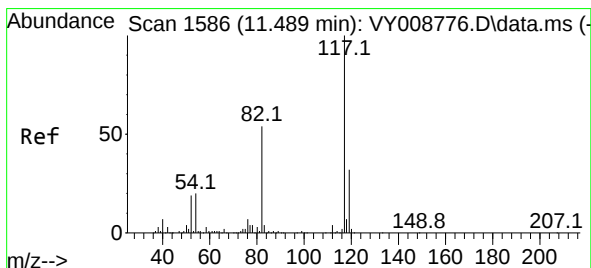
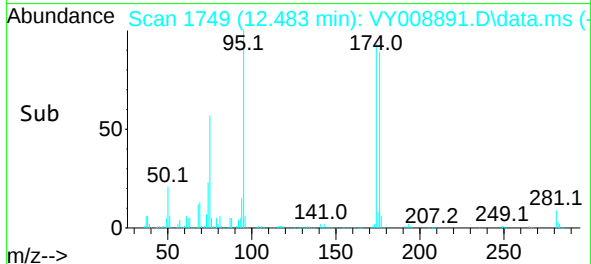
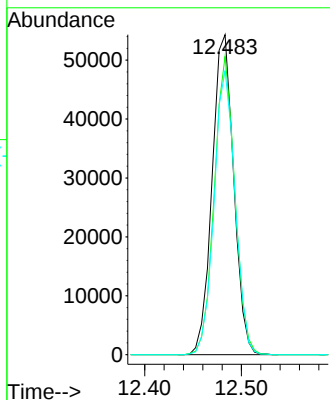
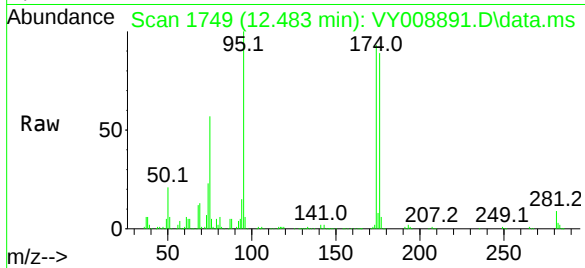




#62
4-Bromofluorobenzene
Concen: 38.782 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

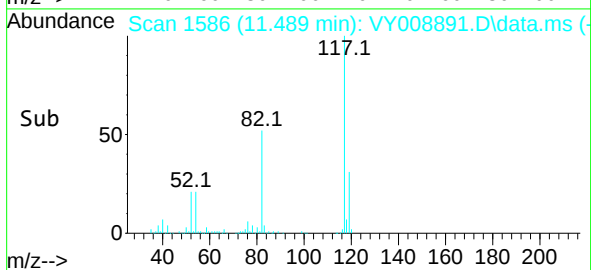
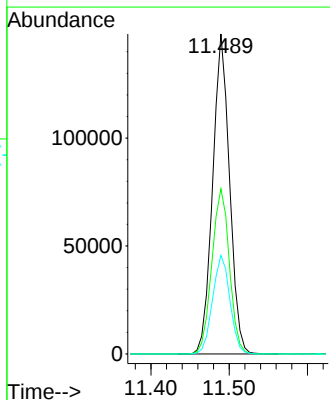
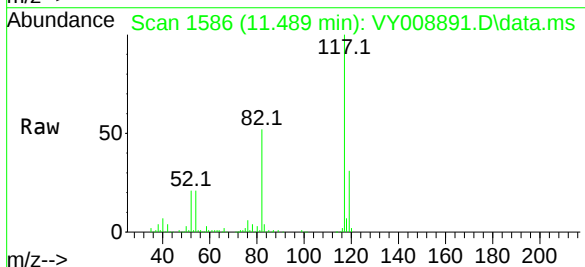
Instrument :
MSVOA_Y
ClientSampleId :
CDF-3

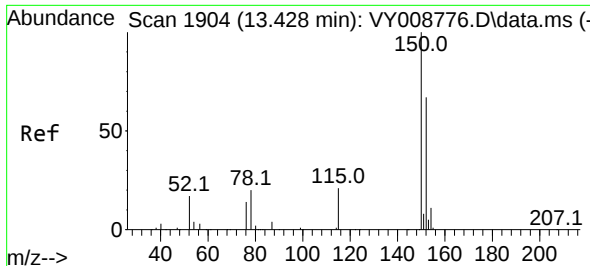
Tgt Ion: 95 Resp: 84046
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 86.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008891.D
Acq: 20 May 2022 01:28

Tgt Ion: 117 Resp: 222101
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 30.8 25.4 38.0

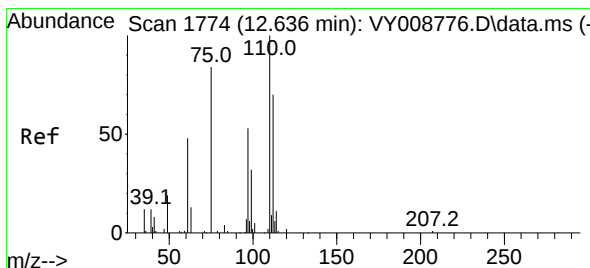
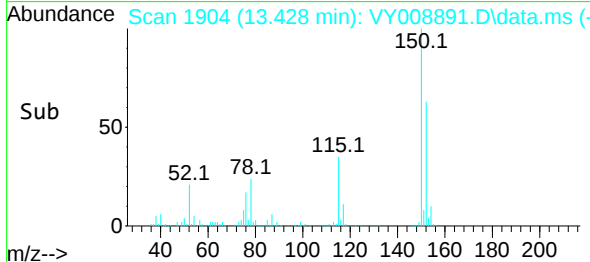
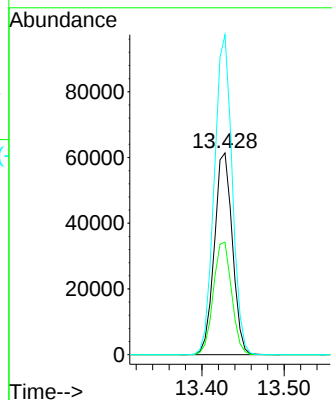
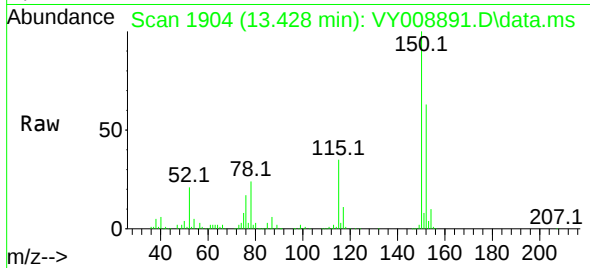




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY008891.D
 Acq: 20 May 2022 01:28

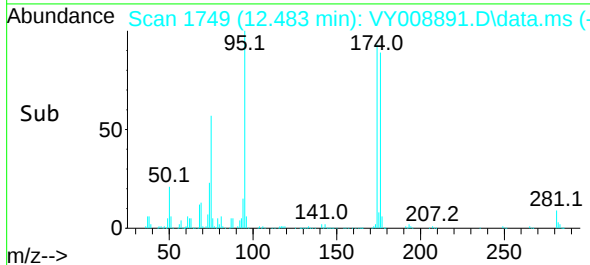
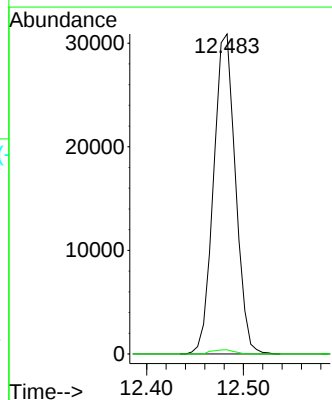
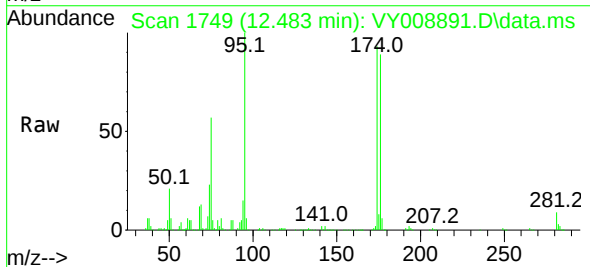
Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-3

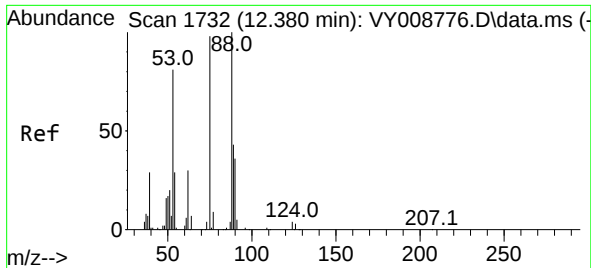
Tgt Ion:152 Resp: 93521
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.2 84.7
 150 156.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.976 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008891.D
 Acq: 20 May 2022 01:28

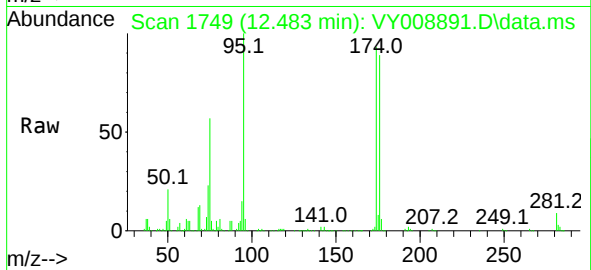
Tgt Ion: 75 Resp: 48588
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.376 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008891.D
 Acq: 20 May 2022 01:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 CDF-3



Tgt Ion: 75 Resp: 48588
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

