

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008897.D
 Acq On : 20 May 2022 03:48
 Operator : KP/MD
 Sample : N2868-07
 Misc : 5.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS003-0006-01

Quant Time: May 20 04:30:15 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)

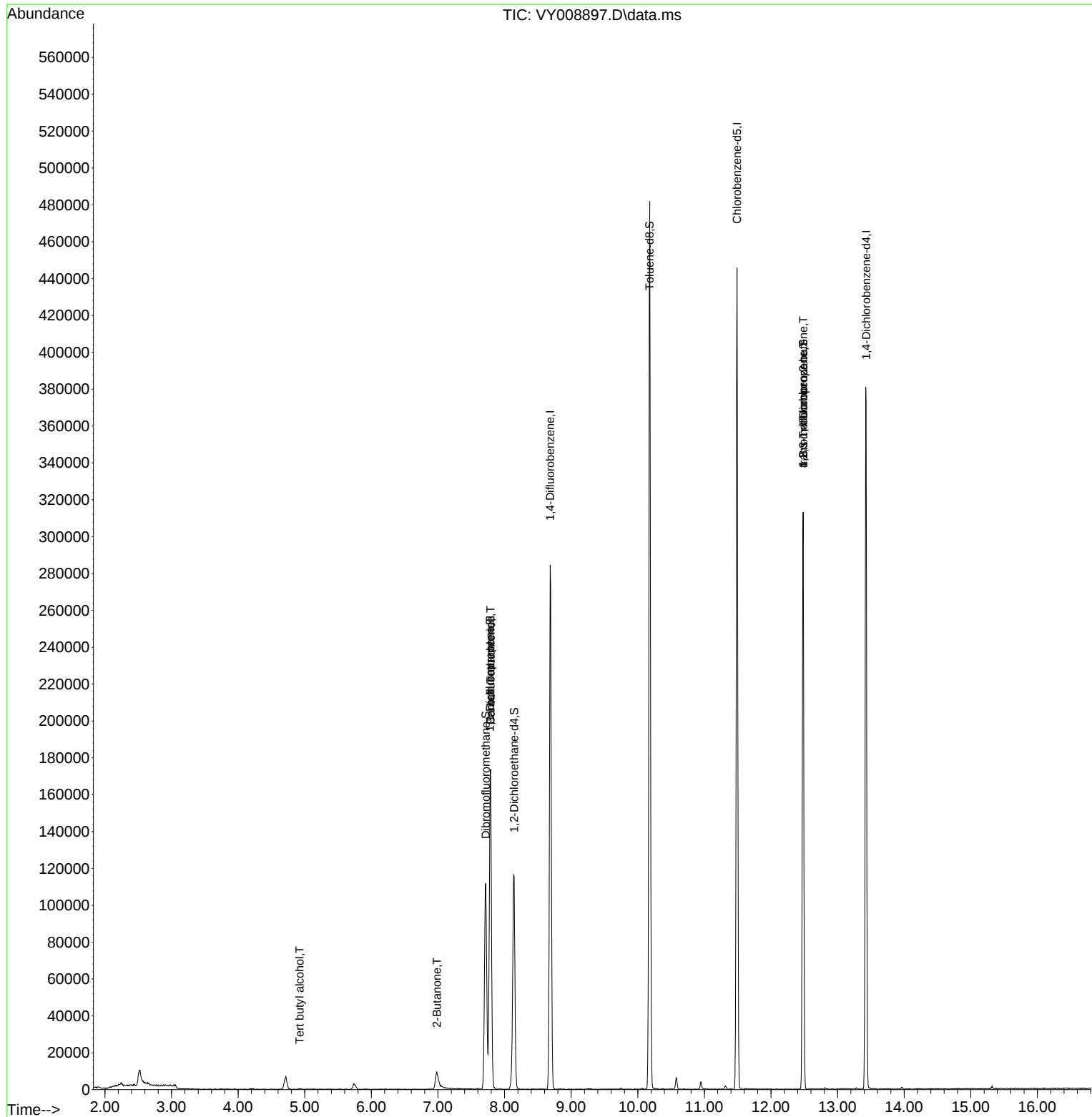
Internal Standards						
1) Pentafluorobenzene	7.789	168	132658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	234000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	223491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	85452	69.435	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.880%	
35) Dibromofluoromethane	7.716	113	76038	55.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.240%	
50) Toluene-d8	10.179	98	297574	49.031	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.483	95	84464	39.717	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.440%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	654	Below Cal		93
3) Chloromethane	2.107	50	168	Below Cal	#	44
4) Vinyl Chloride	2.247	62	84	Below Cal	#	43
5) Bromomethane	2.650	94	125	Below Cal	#	78
6) Chloroethane	2.705	64	24	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	168	1.235 ug/l	#	77
16) Acetone	3.936	43	287	Below Cal	#	47
18) Methyl Acetate	4.607	43	25	Below Cal	#	56
20) Methylene Chloride	4.716	84	4850	Below Cal		94
25) 2-Butanone	6.984	43	606	1.173 ug/l	#	54
31) Cyclohexane	7.783	56	3267	Below Cal	#	33
36) 1,1-Dichloropropene	7.783	75	11539	5.270 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	13158	5.607 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	48064	45.351 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48064	99.196 ug/l	#	7

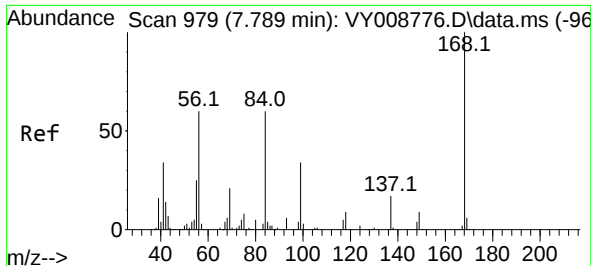
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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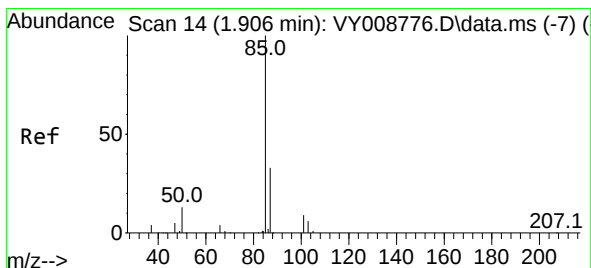
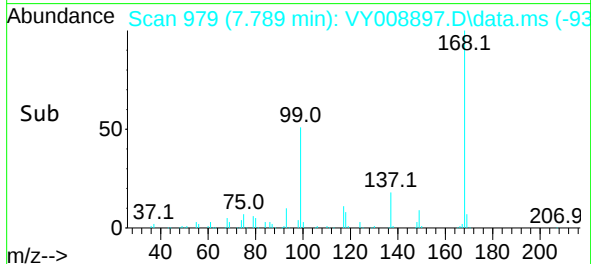
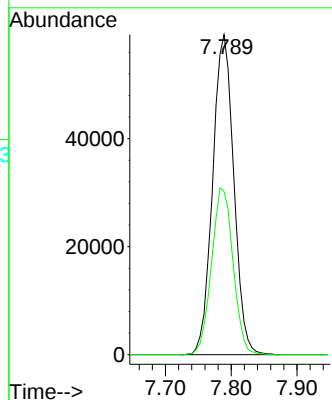
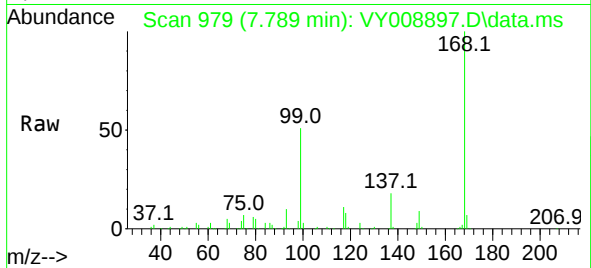




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

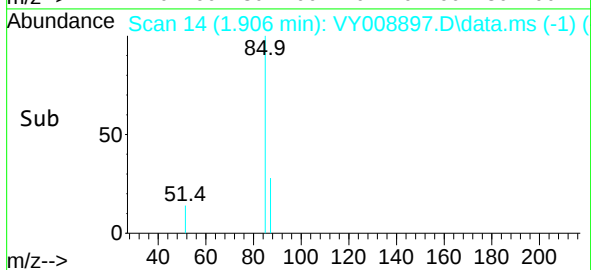
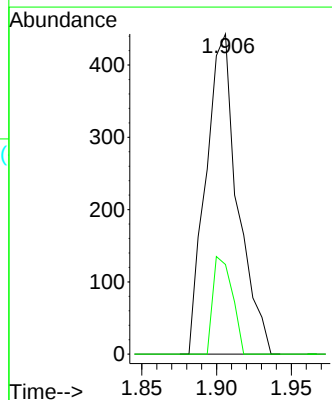
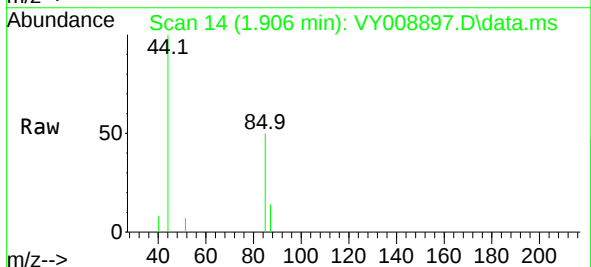
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

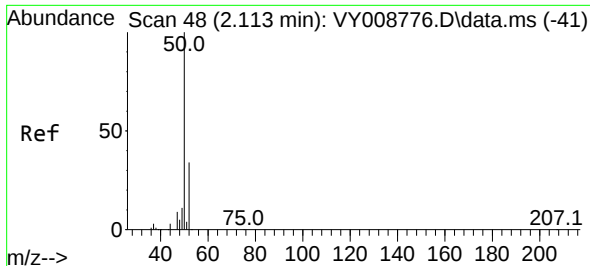
Tgt Ion:168 Resp: 132658
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 85 Resp: 654
Ion Ratio Lower Upper
85 100
87 28.0 16.1 48.2

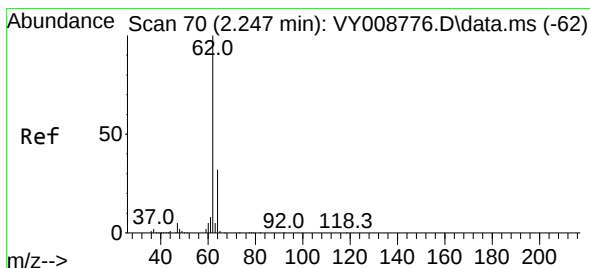
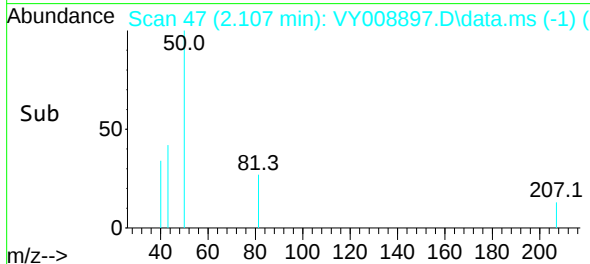
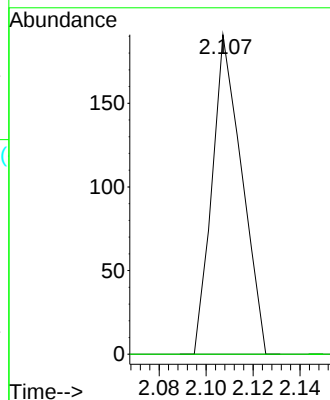
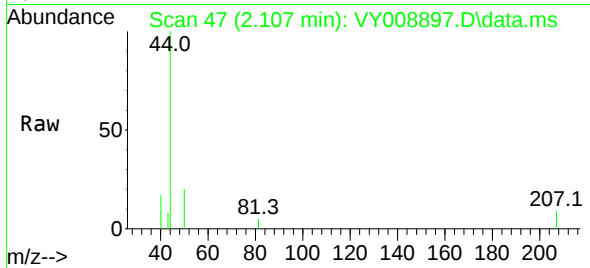




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

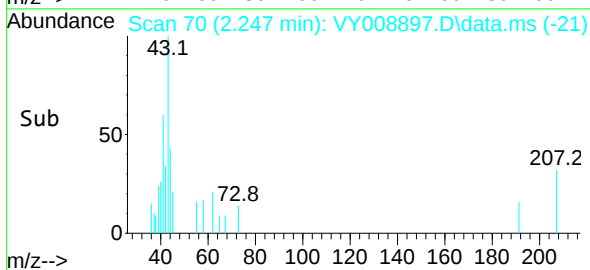
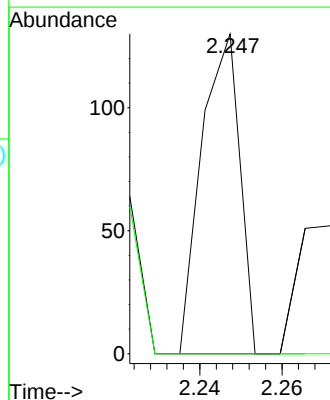
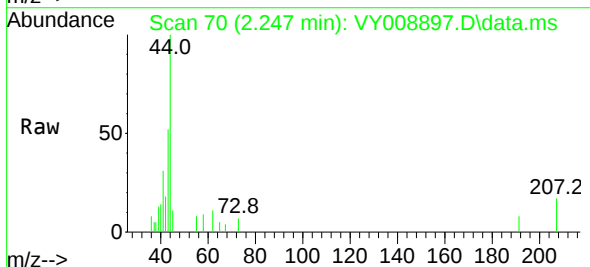
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

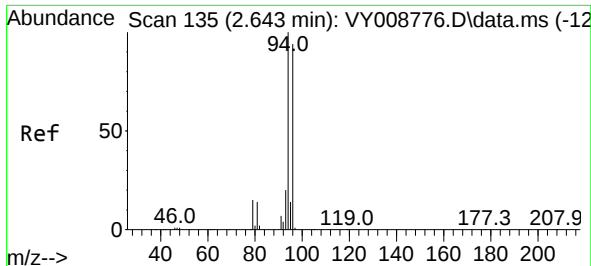
Tgt Ion: 50 Resp: 168
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 62 Resp: 84
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

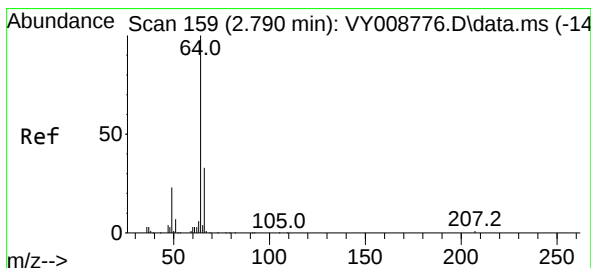
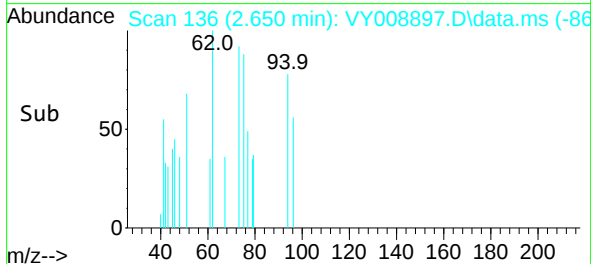
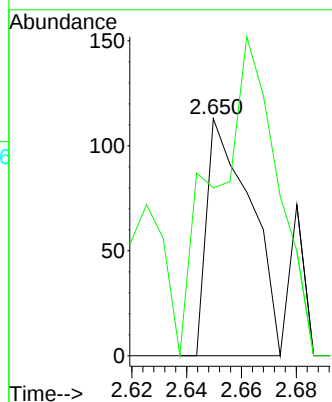
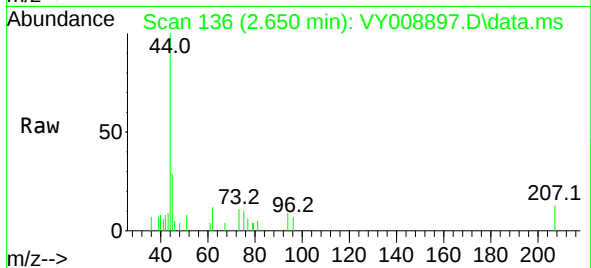




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

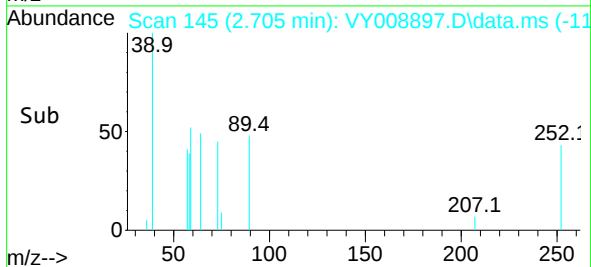
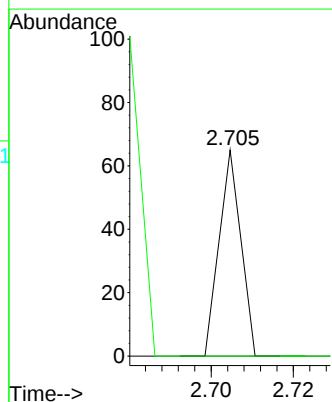
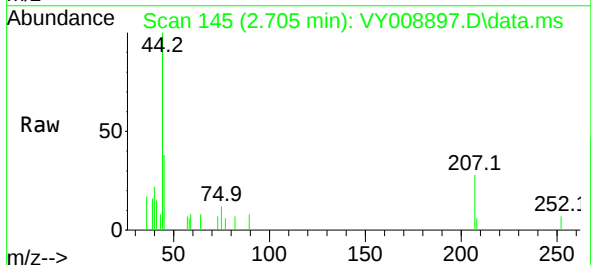
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

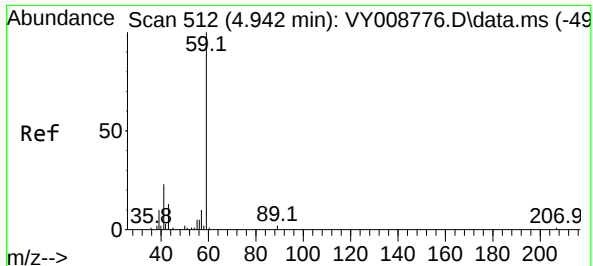
Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 70.8 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.705 min Scan# 145
Delta R.T. -0.085 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

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

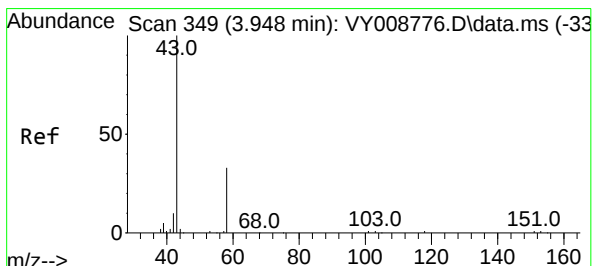
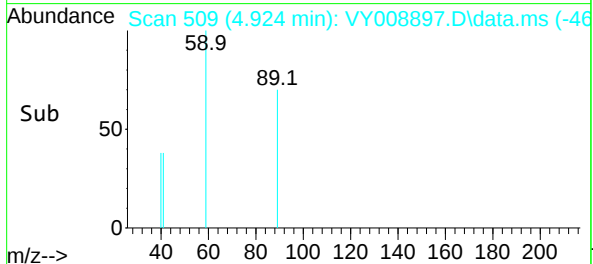
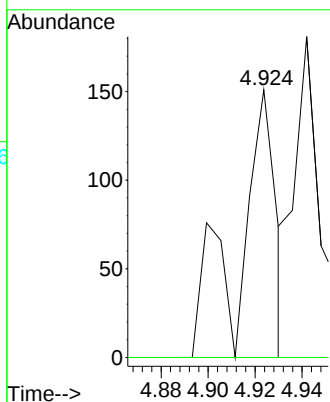
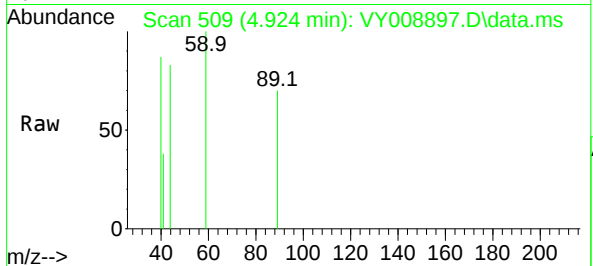




#11
Tert butyl alcohol
Concen: 1.235 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

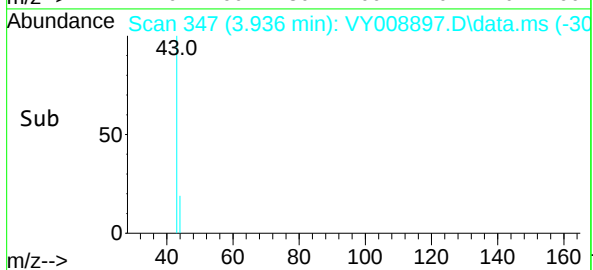
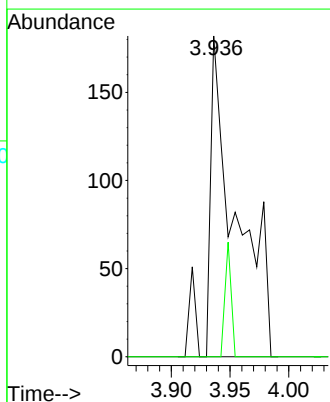
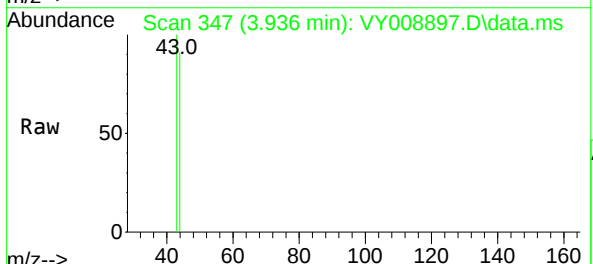
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

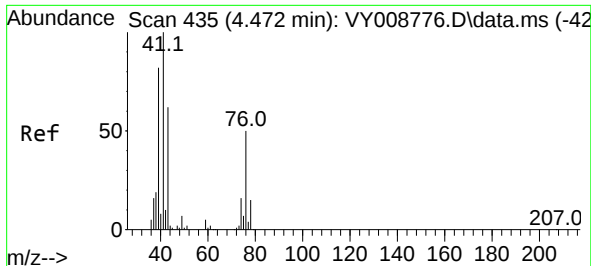
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

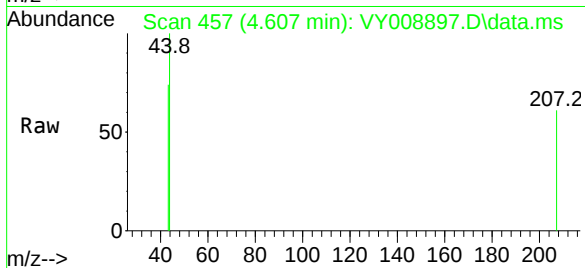
Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



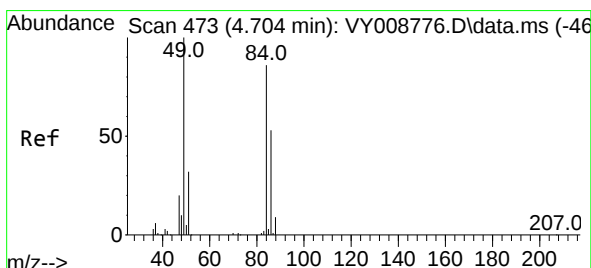
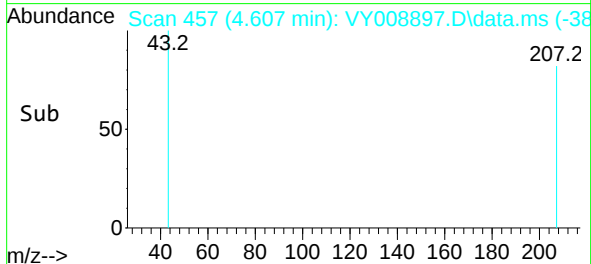
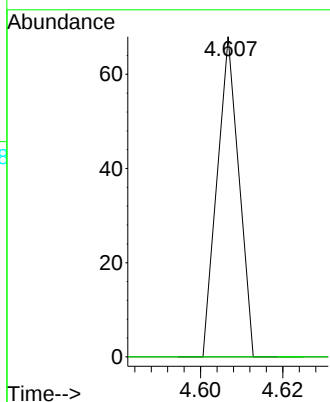


#18
Methyl Acetate
Concen: Below Cal
RT: 4.607 min Scan# 41
Delta R.T. 0.135 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

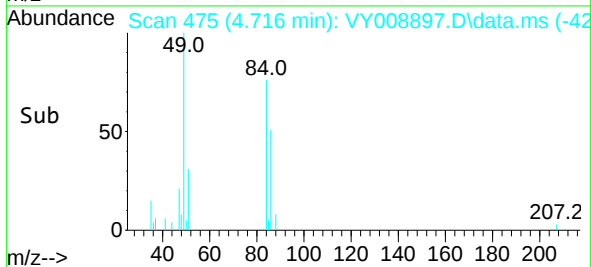
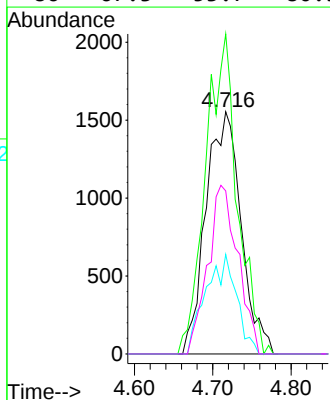
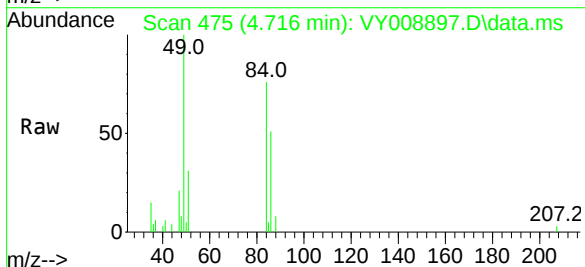


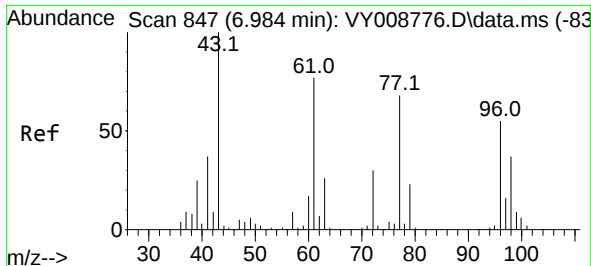
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 84 Resp: 4850
Ion Ratio Lower Upper
84 100
49 132.1 114.4 171.6
51 41.1 35.3 52.9
86 67.3 53.7 80.5

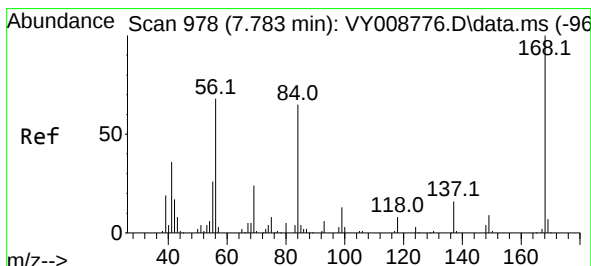
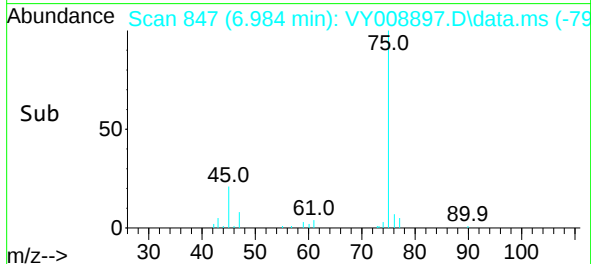
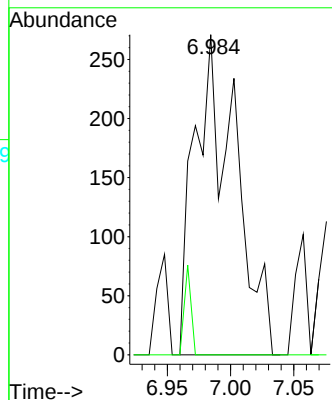
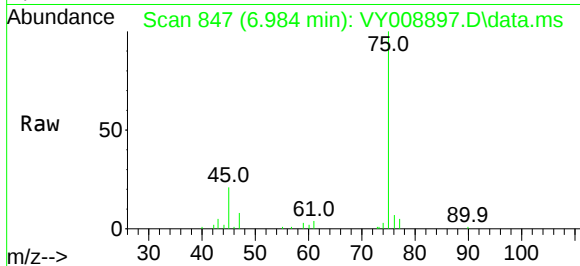




#25
2-Butanone
Concen: 1.173 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

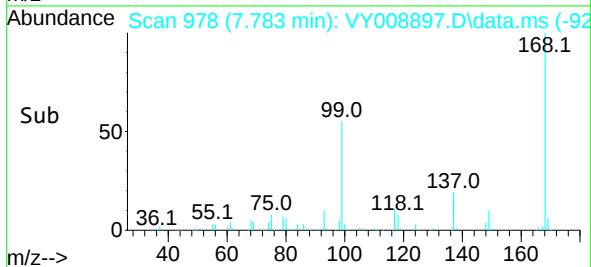
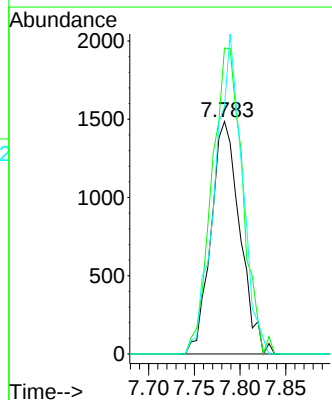
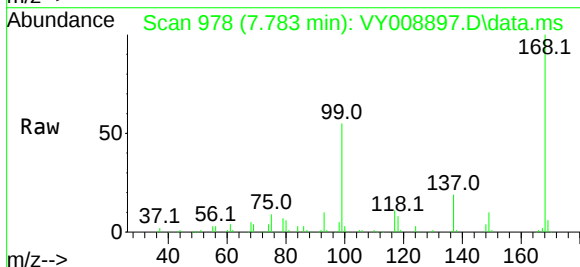
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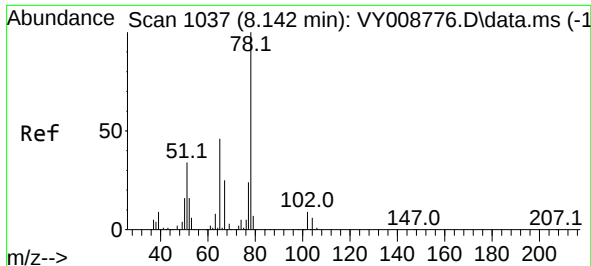
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 56 Resp: 3267
Ion Ratio Lower Upper
56 100
69 131.6 26.7 40.1#
84 106.5 67.2 100.8#

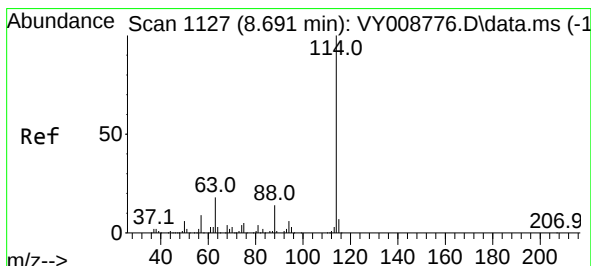
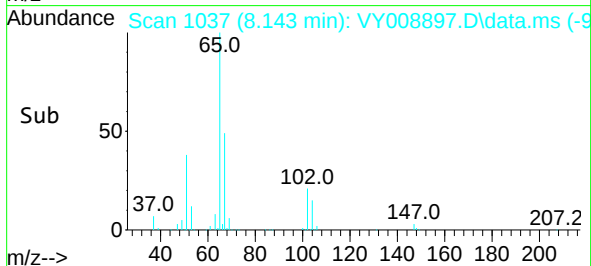
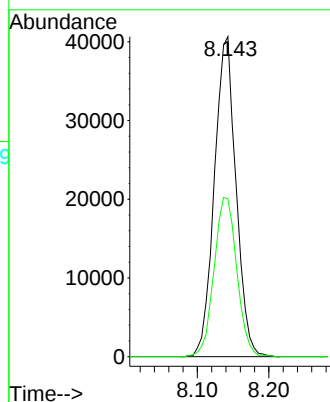
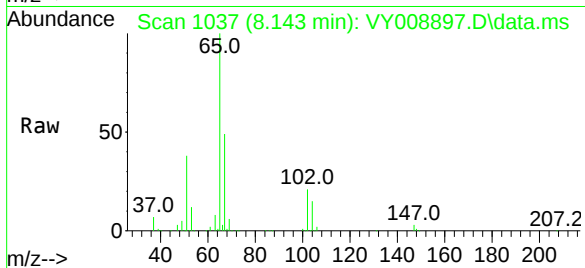




#33
 1,2-Dichloroethane-d4
 Concen: 69.435 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY008897.D
 Acq: 20 May 2022 03:48

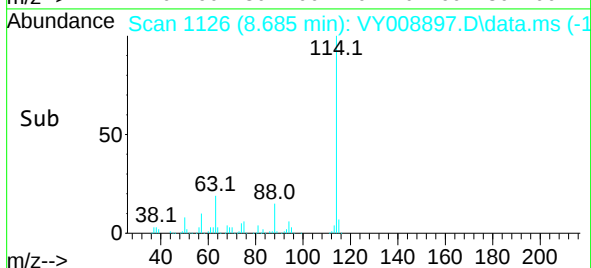
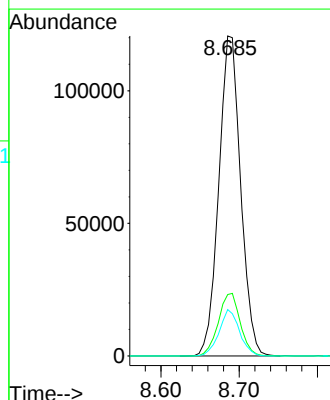
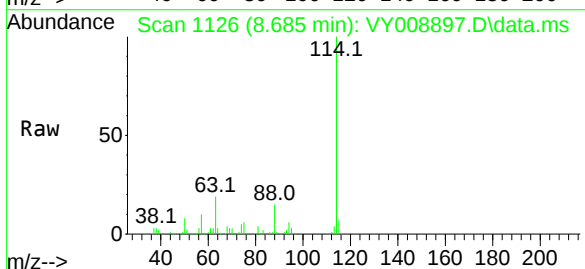
Instrument :
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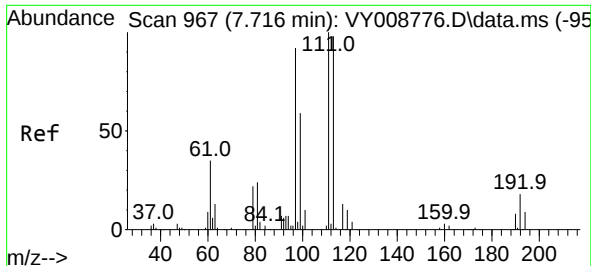
Tgt Ion: 65 Resp: 85452
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY008897.D
 Acq: 20 May 2022 03:48

Tgt Ion: 114 Resp: 234000
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.2
 88 14.5 0.0 31.8

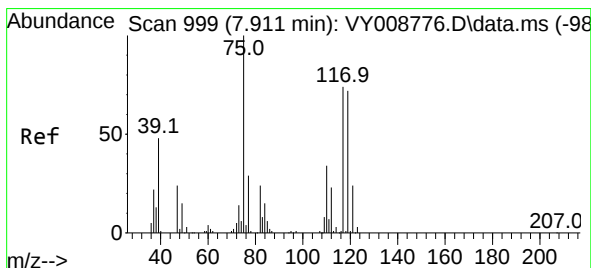
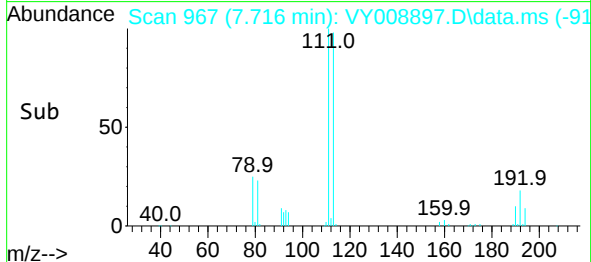
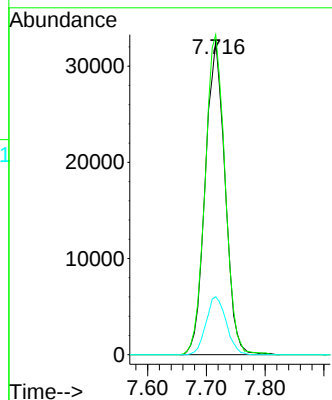
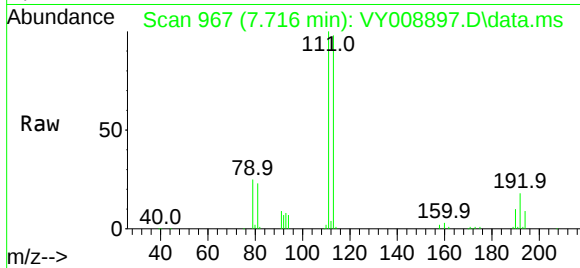




#35
Dibromofluoromethane
Concen: 55.615 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

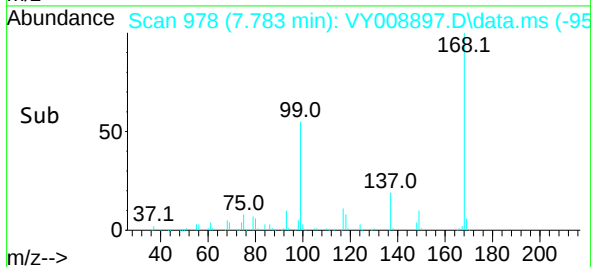
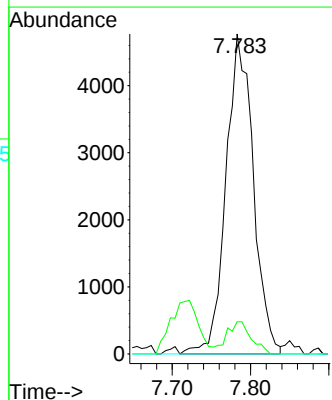
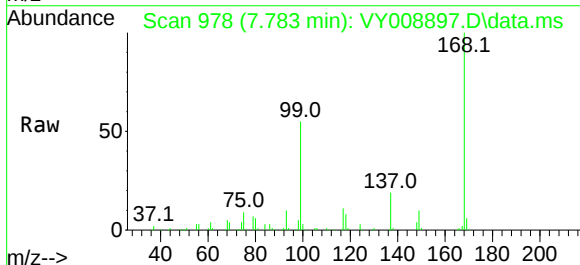
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

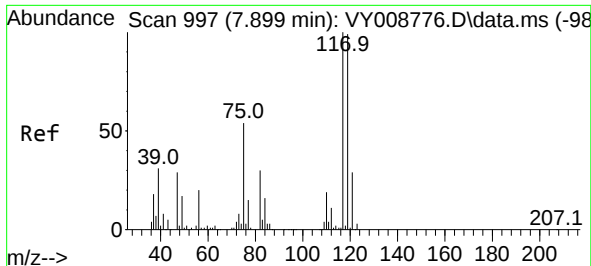
Tgt Ion:113 Resp: 76038
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.270 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

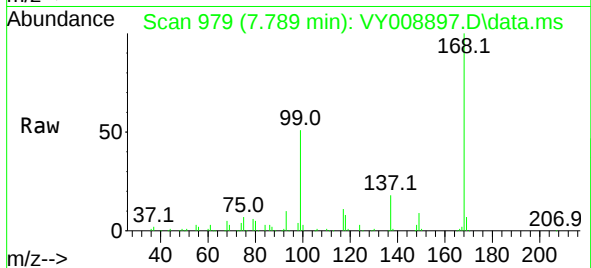
Tgt Ion: 75 Resp: 11539
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



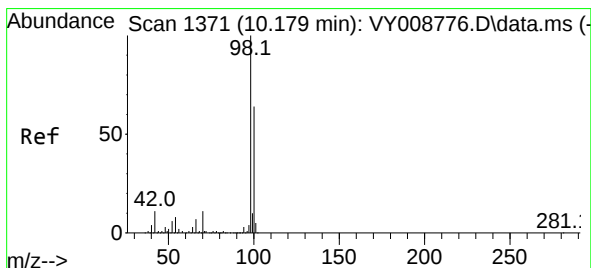
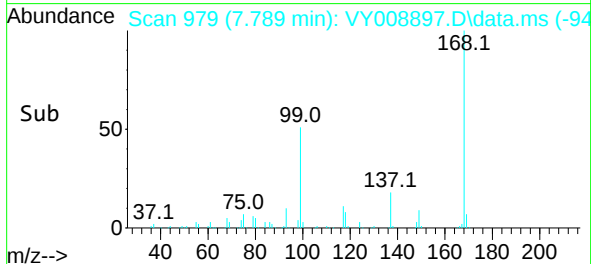
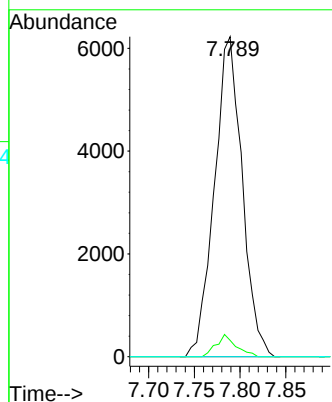


#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

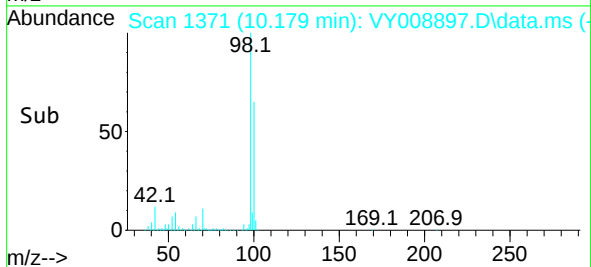
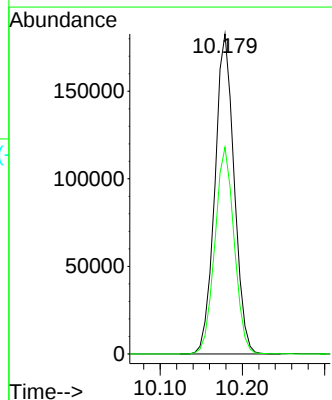
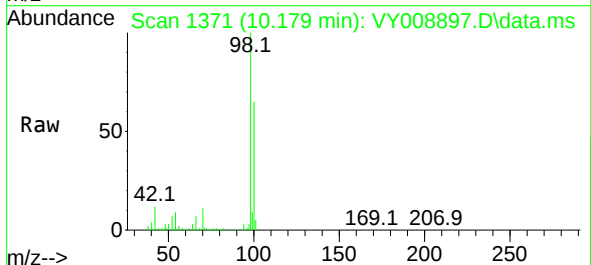


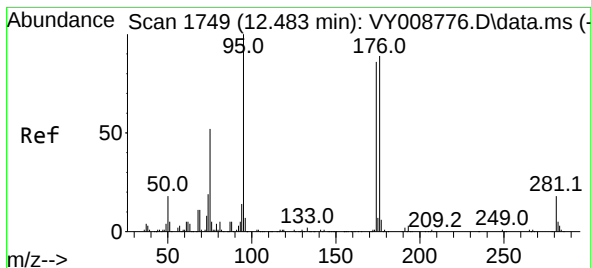
Tgt Ion:117 Resp: 13158
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.031 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 98 Resp: 297574
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

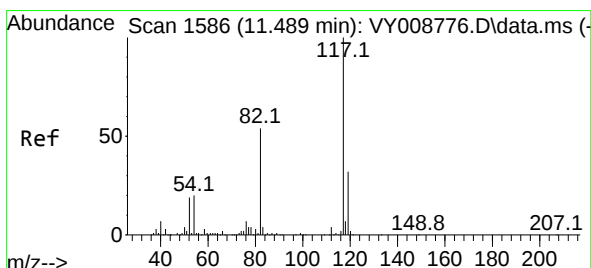
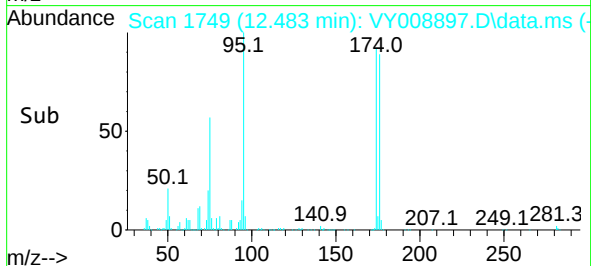
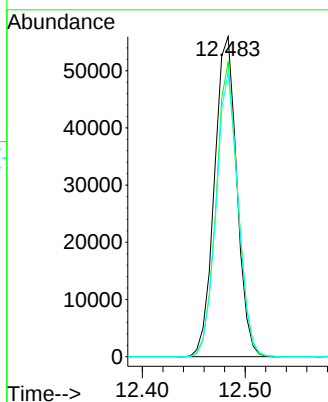
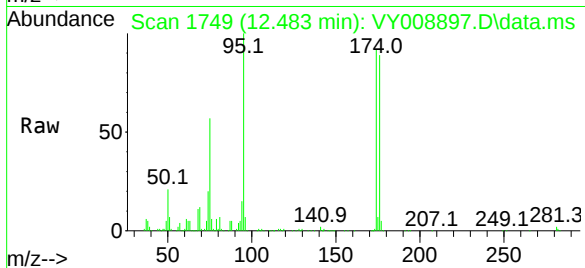




#62
4-Bromofluorobenzene
Concen: 39.717 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

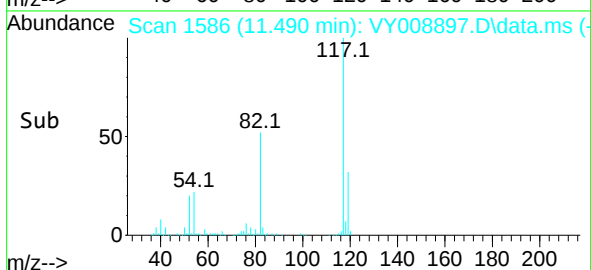
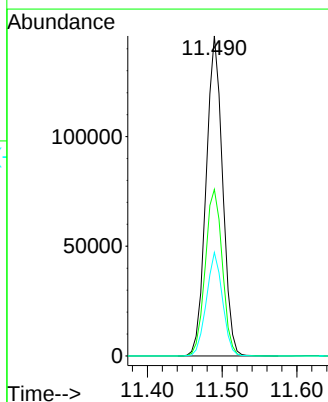
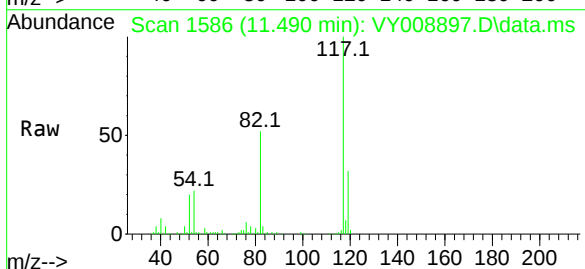
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS003-0006-01

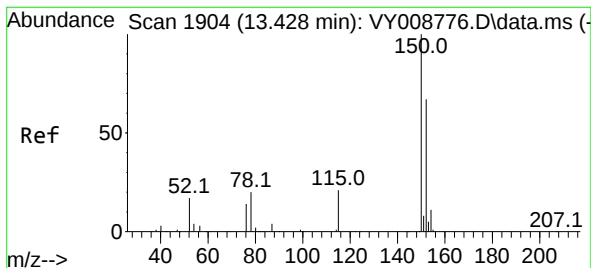
Tgt Ion: 95 Resp: 84464
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 87.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008897.D
Acq: 20 May 2022 03:48

Tgt Ion: 117 Resp: 223491
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.4 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: VY008897.D

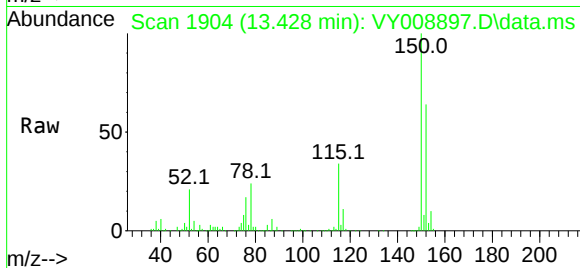
Acq: 20 May 2022 03:48

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS003-0006-01



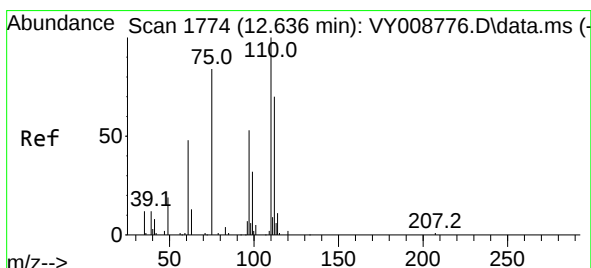
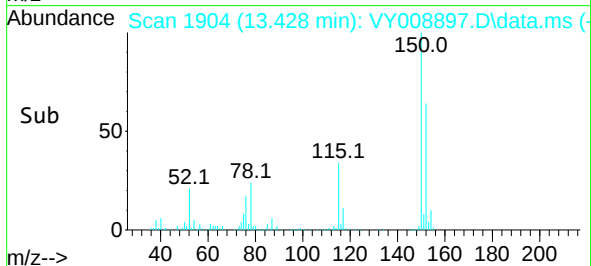
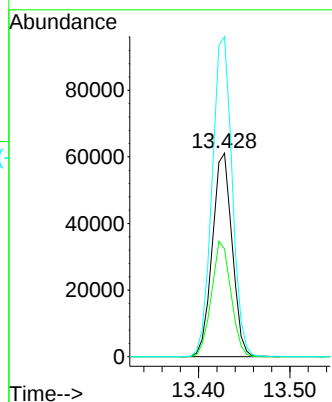
Tgt Ion:152 Resp: 91748

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 159.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.351 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008897.D

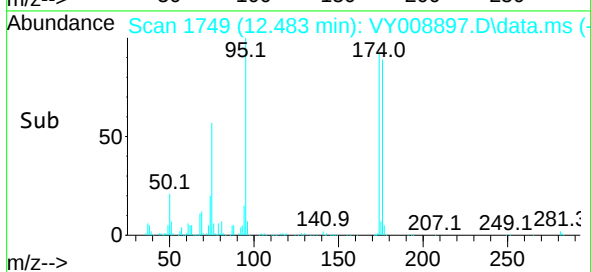
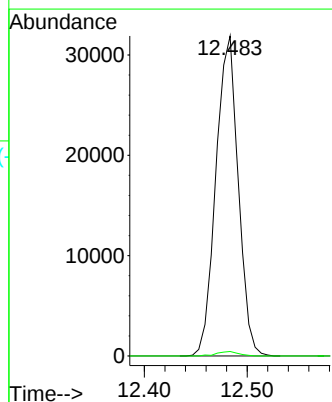
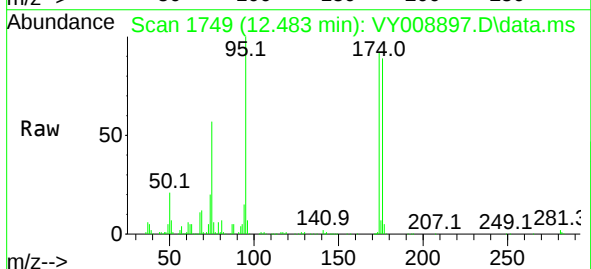
Acq: 20 May 2022 03:48

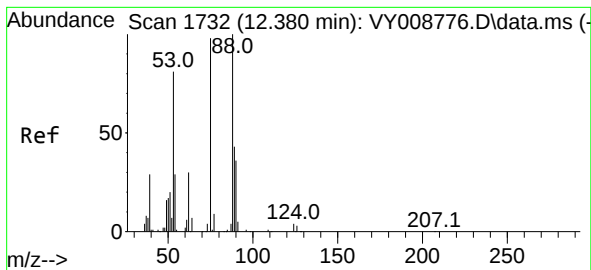
Tgt Ion: 75 Resp: 48064

Ion Ratio Lower Upper

75 100

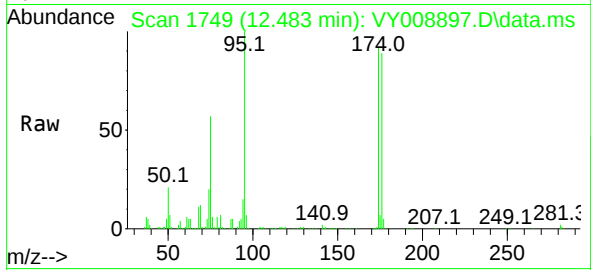
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.196 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008897.D
 Acq: 20 May 2022 03:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS003-0006-01



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

