

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008898.D
 Acq On : 20 May 2022 04:12
 Operator : KP/MD
 Sample : N2868-08
 Misc : 2.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS004-0006-01

Quant Time: May 20 04:30:26 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)

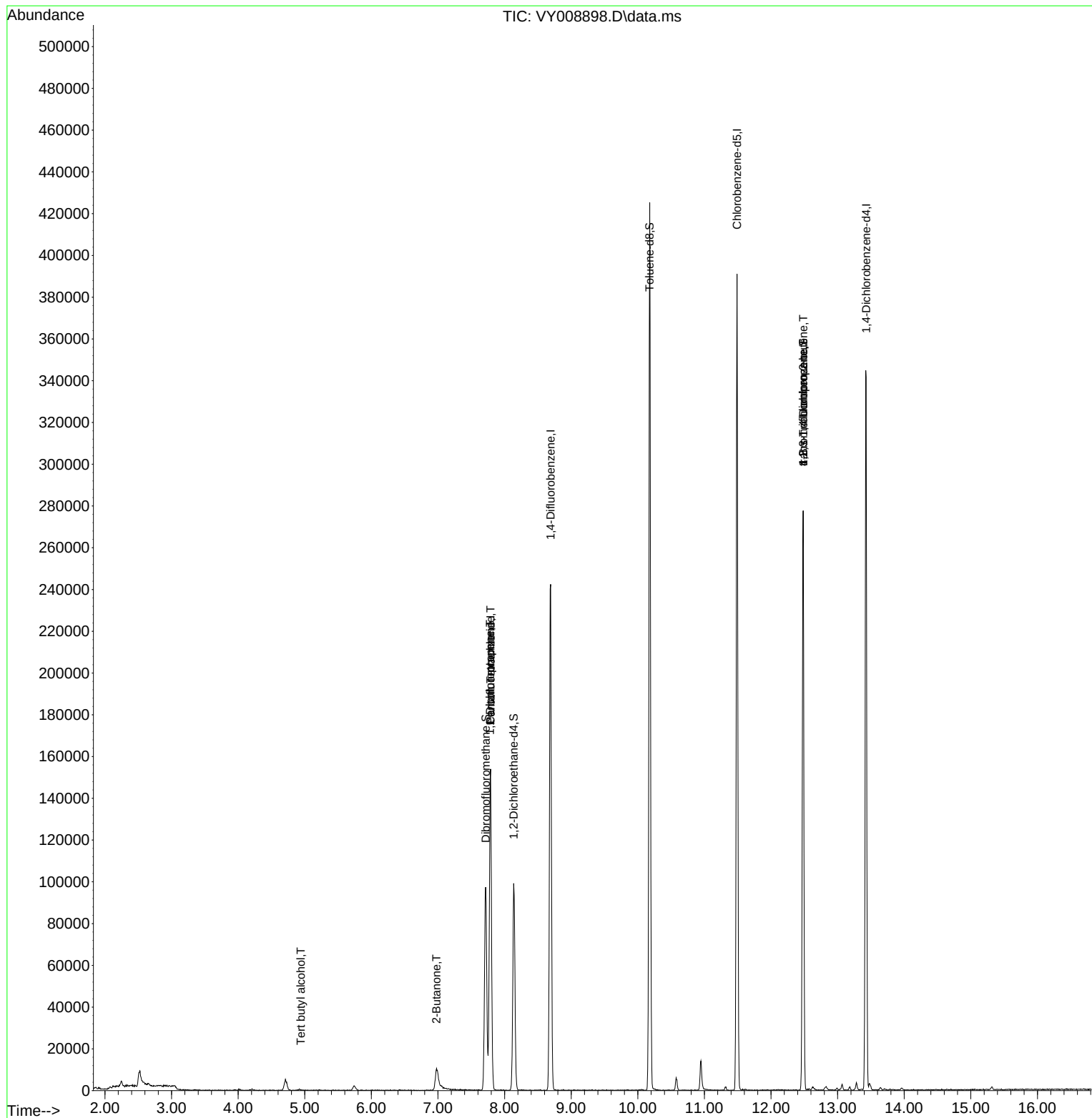
Internal Standards						
1) Pentafluorobenzene	7.789	168	115261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73994	69.200	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.400%	
35) Dibromofluoromethane	7.715	113	66492	54.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.320%	
50) Toluene-d8	10.178	98	259733	48.156	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.483	95	75528	39.895	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	446	Below Cal	#	43
3) Chloromethane	2.113	50	184	Below Cal	#	44
4) Vinyl Chloride	2.259	62	72	Below Cal	#	43
5) Bromomethane	2.655	94	143	Below Cal	#	58
6) Chloroethane	2.997	64	19	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	34	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	357	3.021 ug/l	#	77
16) Acetone	3.954	43	284	Below Cal	#	47
18) Methyl Acetate	4.210	43	241	Below Cal	#	56
20) Methylene Chloride	4.710	84	3739	Below Cal	#	86
25) 2-Butanone	6.978	43	453	1.010 ug/l	#	54
31) Cyclohexane	7.789	56	2942	Below Cal	#	9
36) 1,1-Dichloropropene	7.783	75	10234	5.252 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	11883	5.691 ug/l	#	14
76) 1,2,3-Trichloropropane	12.483	75	43602	44.583 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43602	97.516 ug/l	#	7

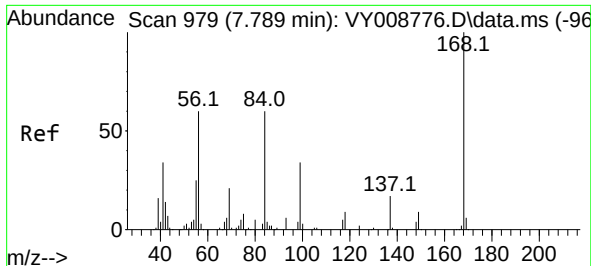
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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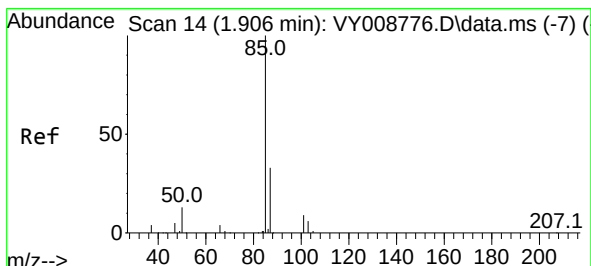
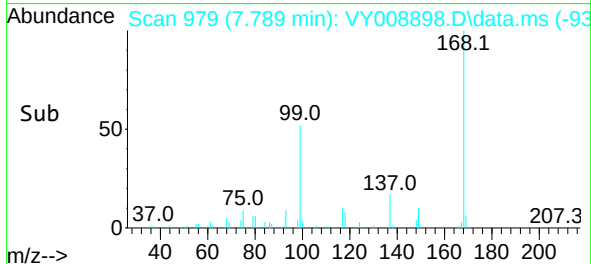
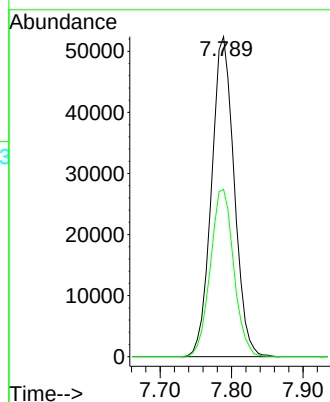
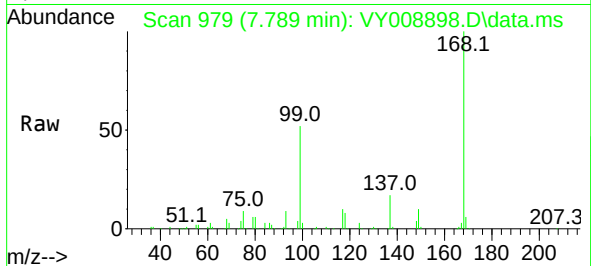




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

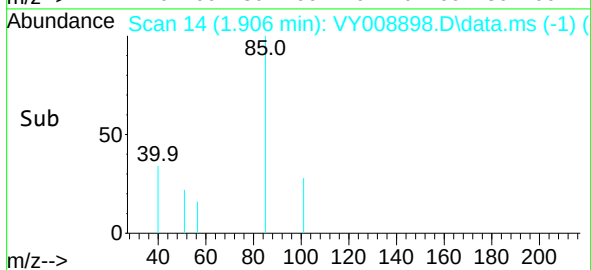
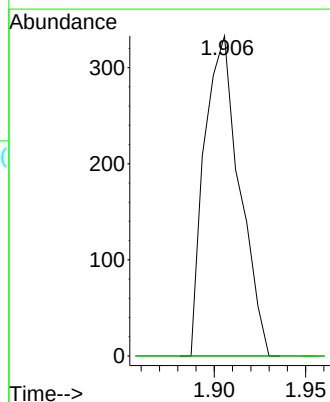
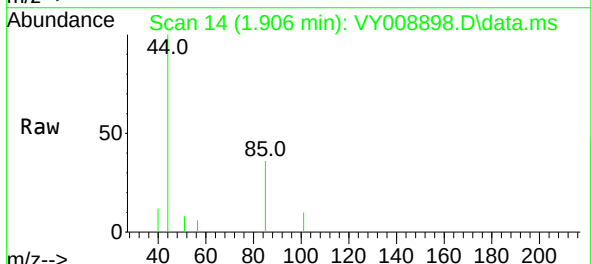
Instrument :
MSVOA_Y
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P017-SS004-0006-01

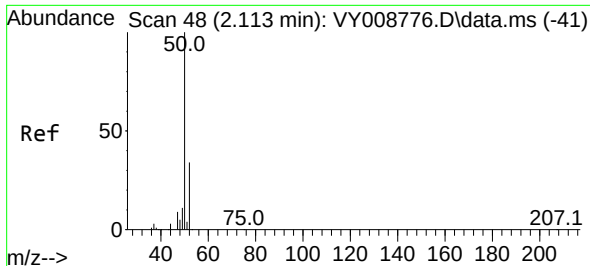
Tgt Ion:168 Resp: 115261
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 85 Resp: 446
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

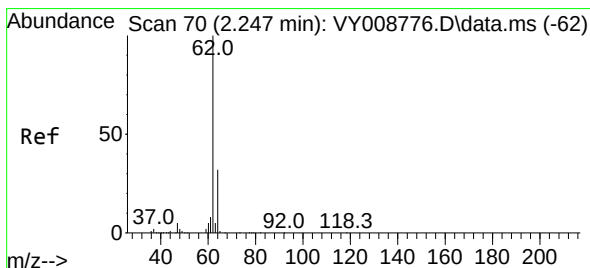
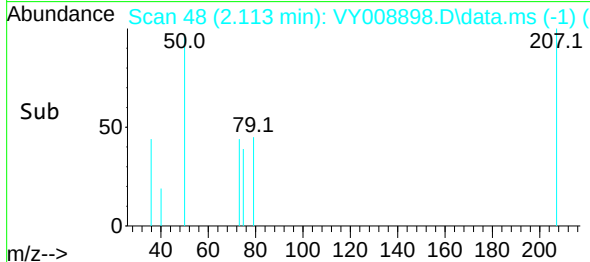
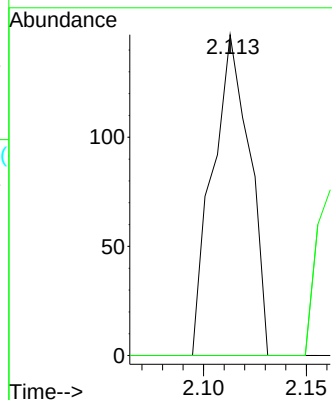
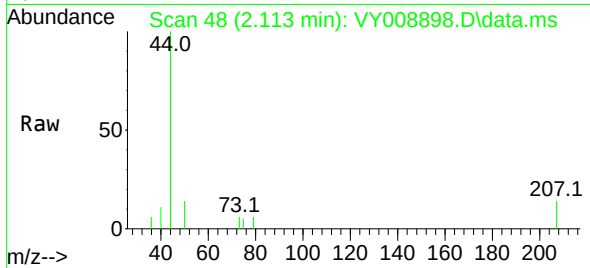




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

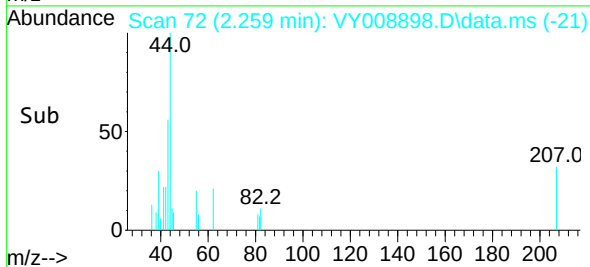
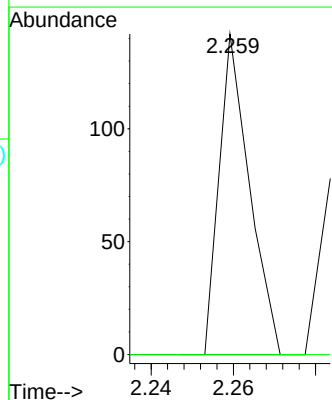
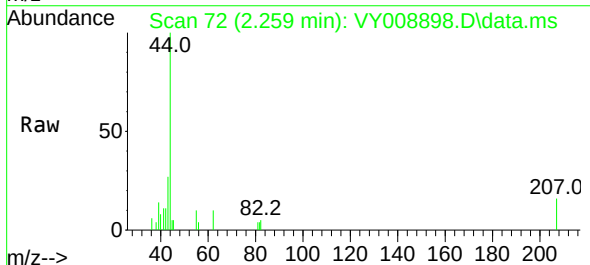
Instrument :
MSVOA_Y
ClientSampleId :
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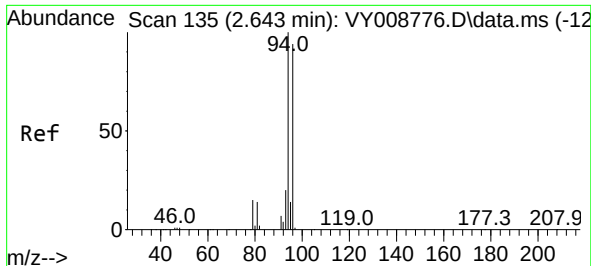
Tgt Ion: 50 Resp: 184
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.012 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 62 Resp: 72
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

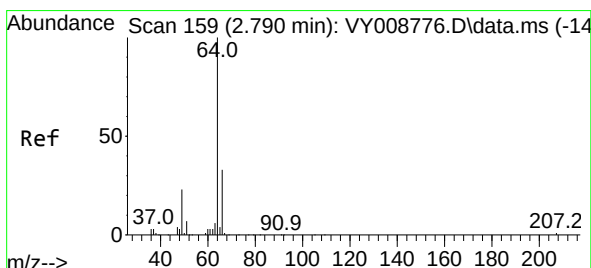
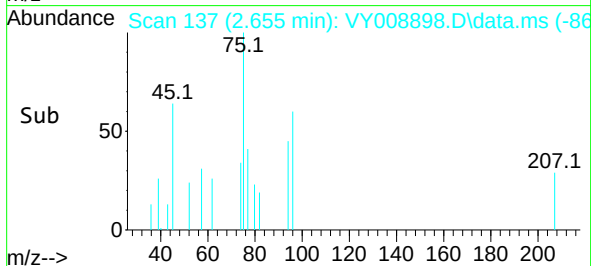
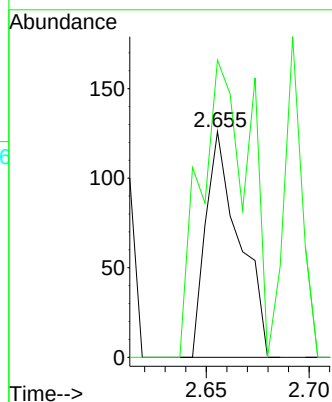
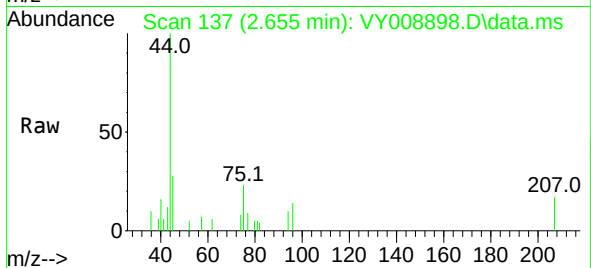




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

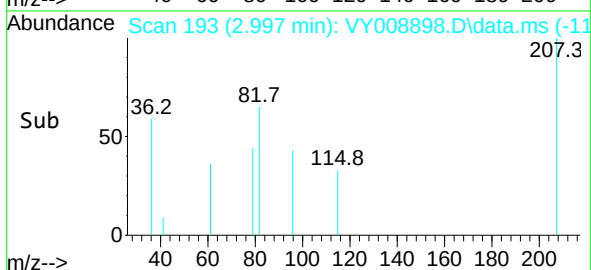
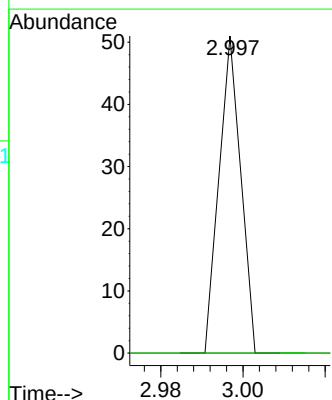
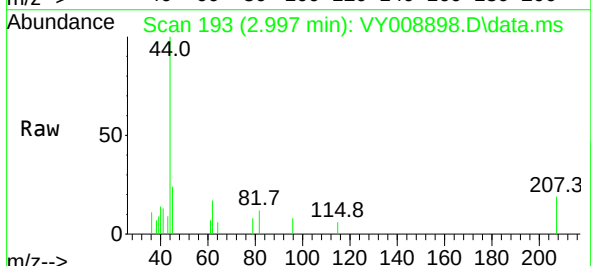
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS004-0006-01

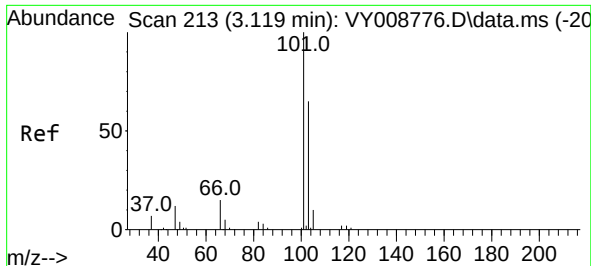
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 131.7 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.997 min Scan# 193
Delta R.T. 0.207 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

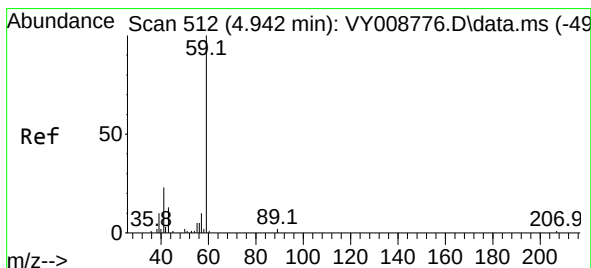
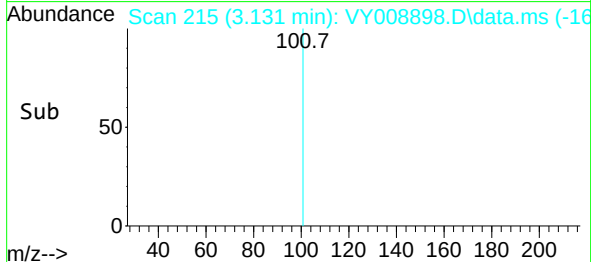
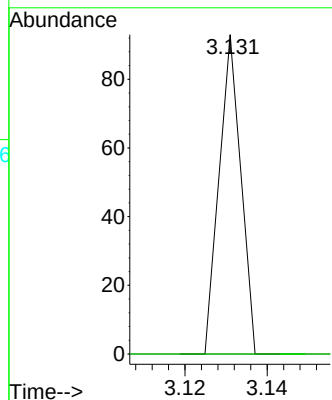
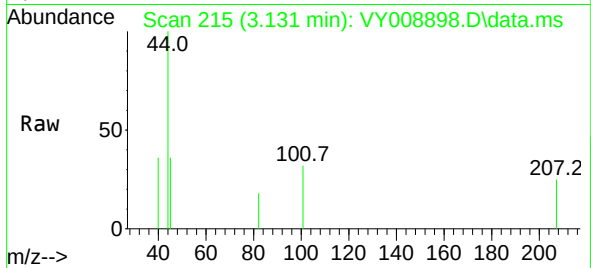




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

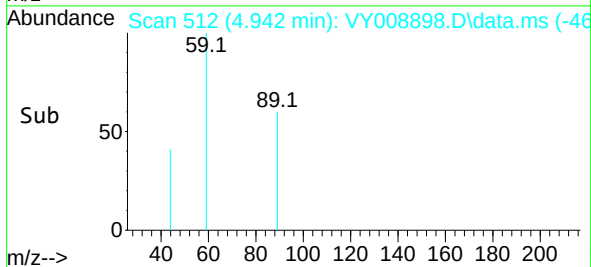
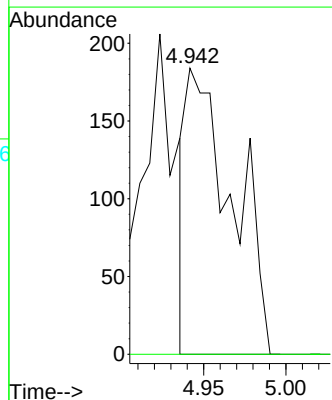
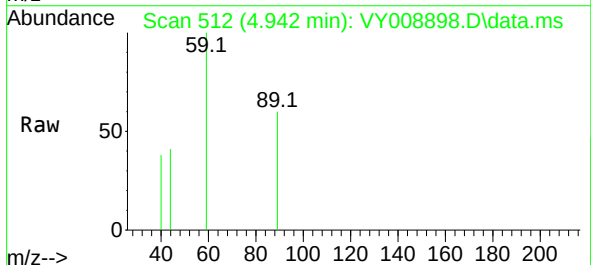
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS004-0006-01

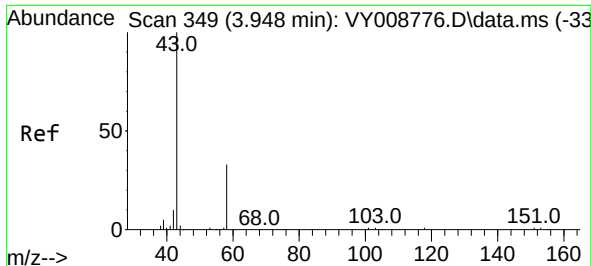
Tgt Ion:101 Resp: 34
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 3.021 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 59 Resp: 357
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

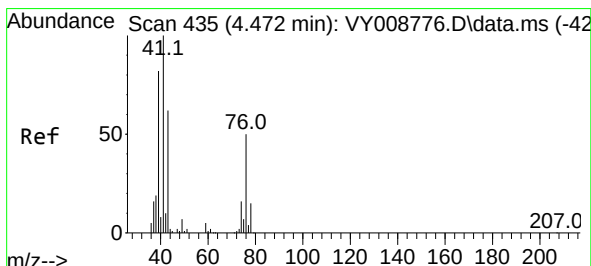
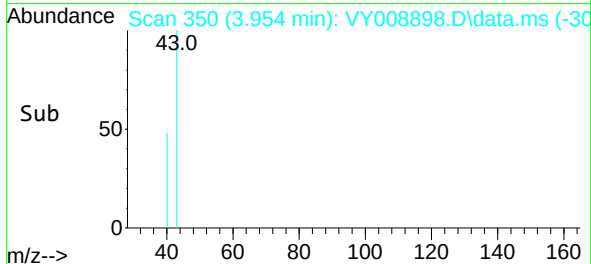
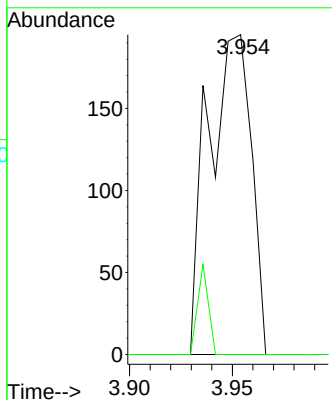
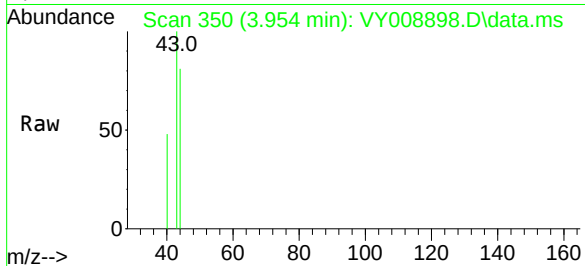




#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

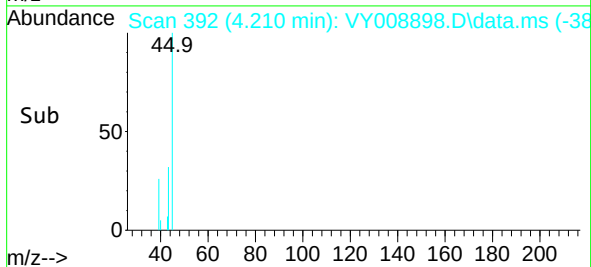
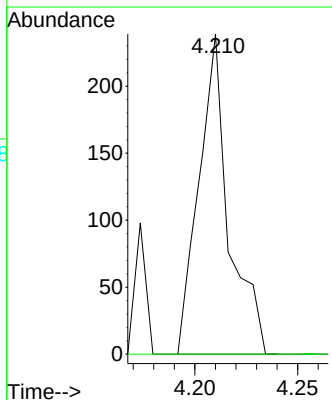
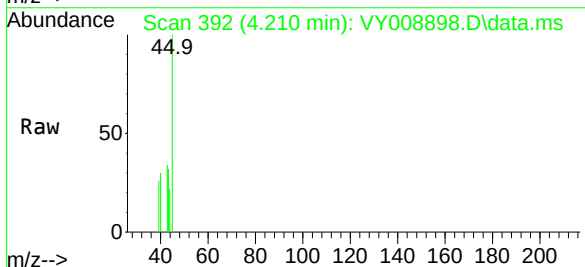
Instrument :
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ClientSampleId :
P017-SS004-0006-01

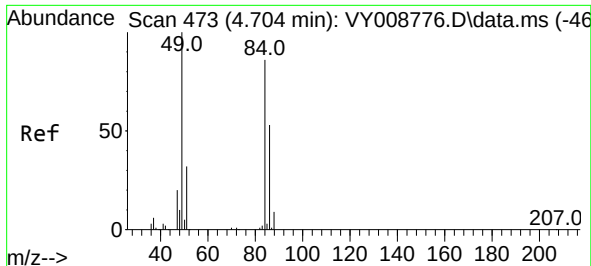
Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.210 min Scan# 392
Delta R.T. -0.262 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008898.D

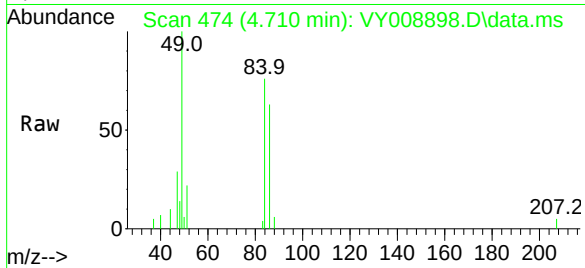
Acq: 20 May 2022 04:12

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS004-0006-01



Tgt Ion: 84 Resp: 3739

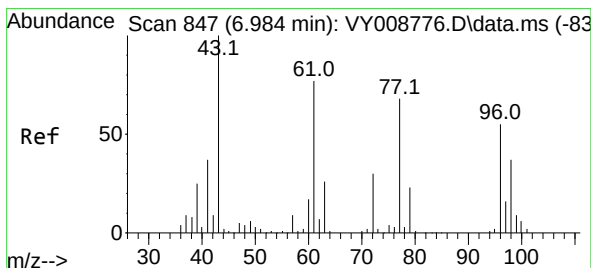
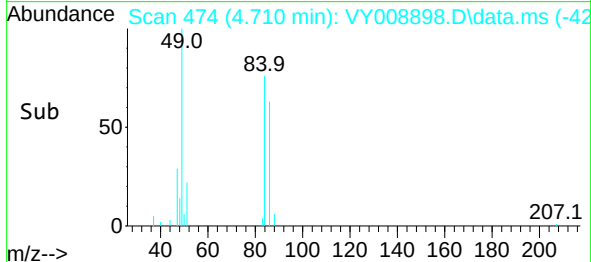
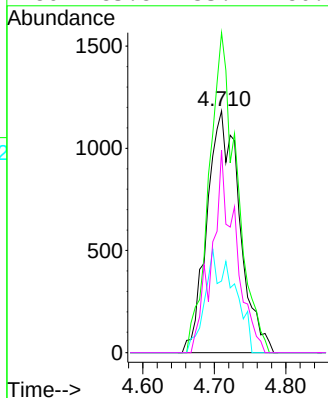
Ion Ratio Lower Upper

84 100

49 132.4 114.4 171.6

51 29.7 35.3 52.9#

86 83.8 53.7 80.5#



#25

2-Butanone

Concen: 1.010 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008898.D

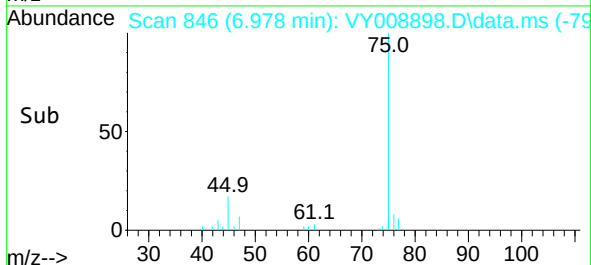
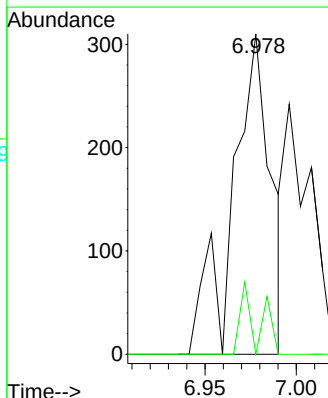
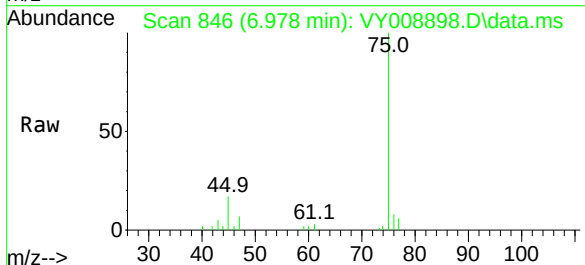
Acq: 20 May 2022 04:12

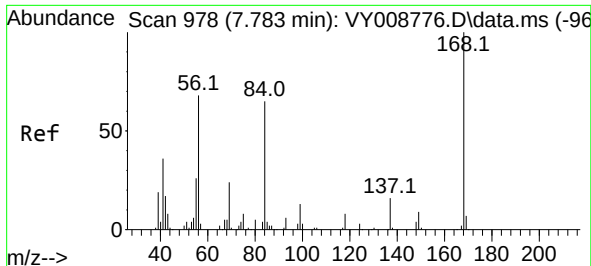
Tgt Ion: 43 Resp: 453

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

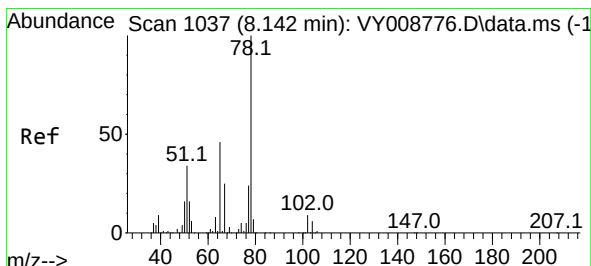
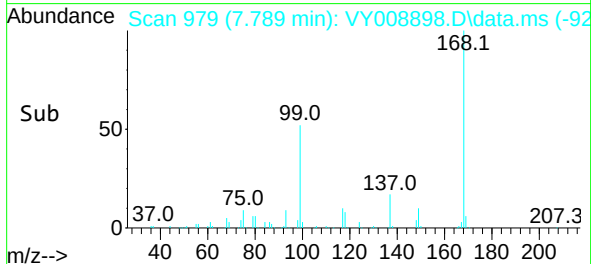
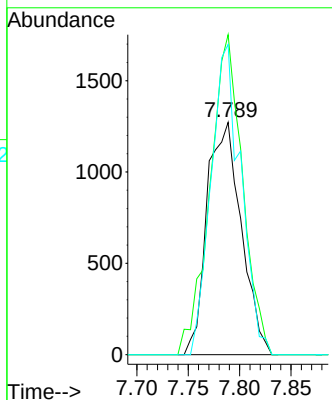
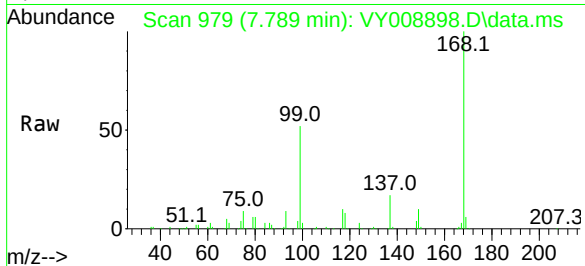




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

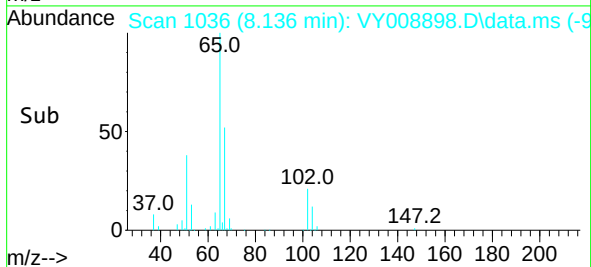
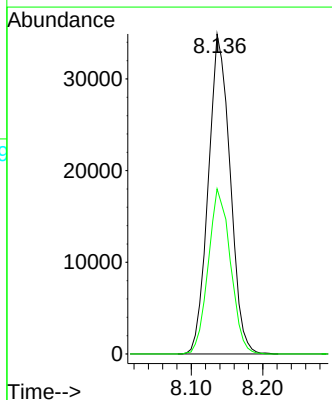
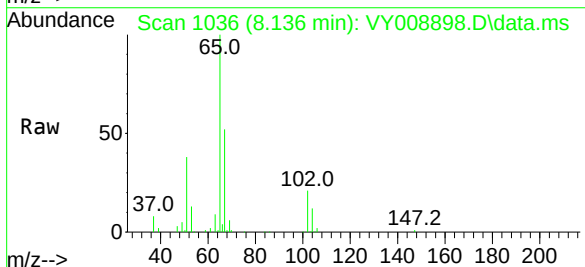
Instrument :
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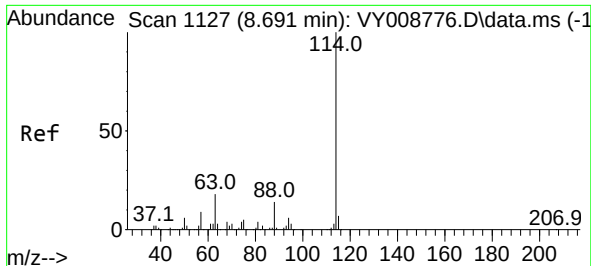
Tgt Ion: 56 Resp: 2942
Ion Ratio Lower Upper
56 100
69 137.7 26.7 40.1#
84 133.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.200 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 65 Resp: 73994
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: VY008898.D

Acq: 20 May 2022 04:12

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS004-0006-01

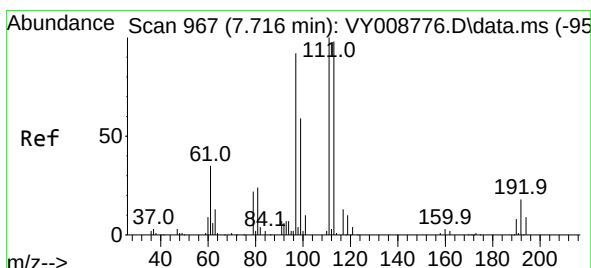
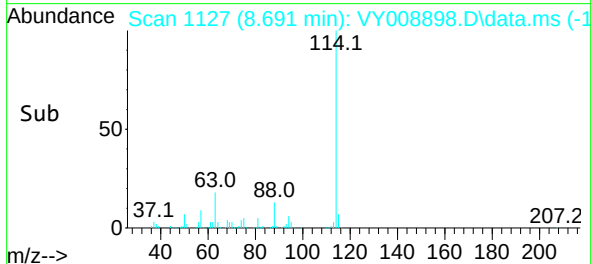
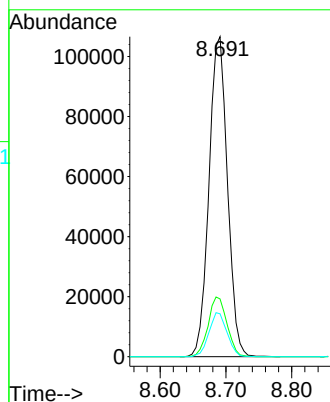
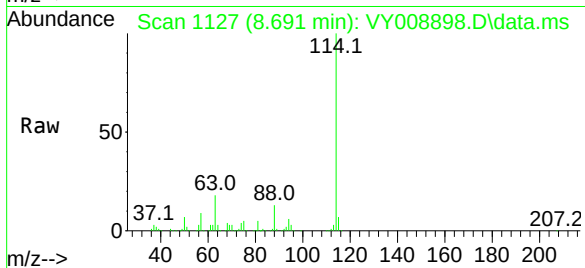
Tgt Ion:114 Resp: 208217

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.655 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008898.D

Acq: 20 May 2022 04:12

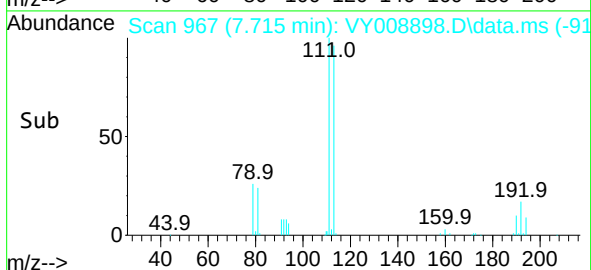
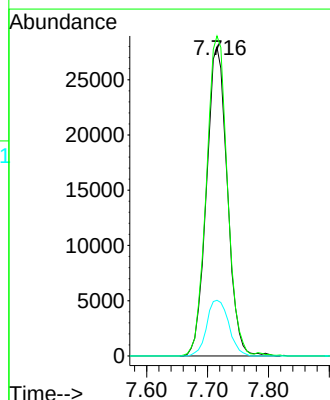
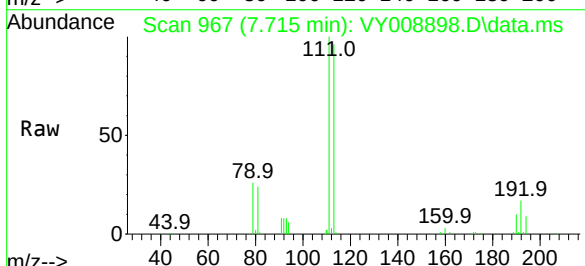
Tgt Ion:113 Resp: 66492

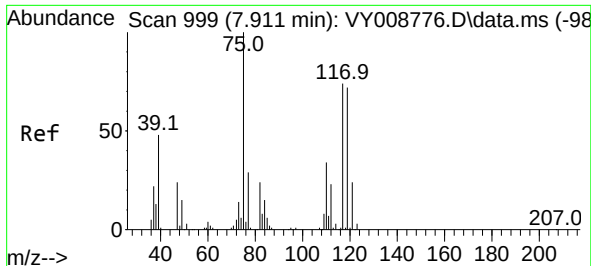
Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

192 19.0 17.6 26.4

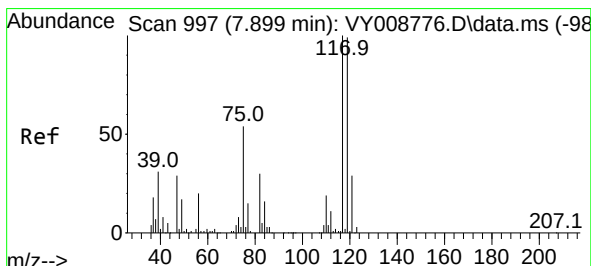
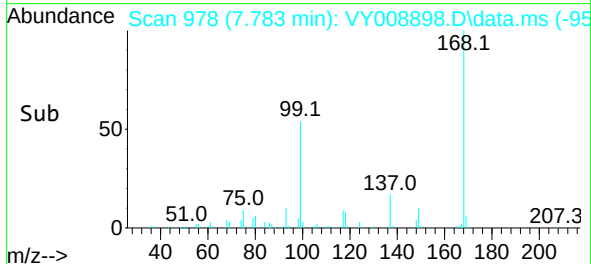
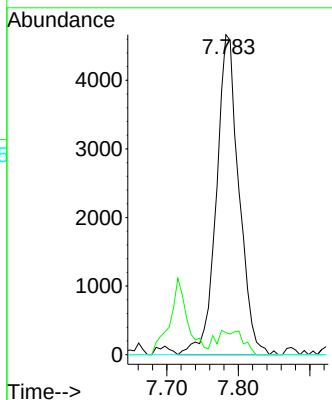
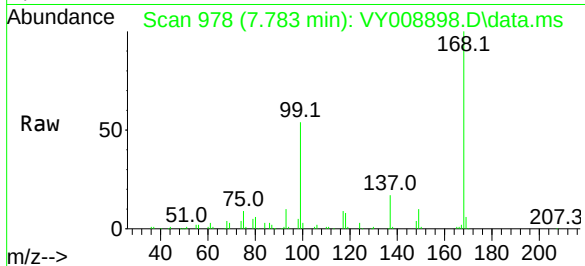




#36
 1,1-Dichloropropene
 Concen: 5.252 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008898.D
 Acq: 20 May 2022 04:12

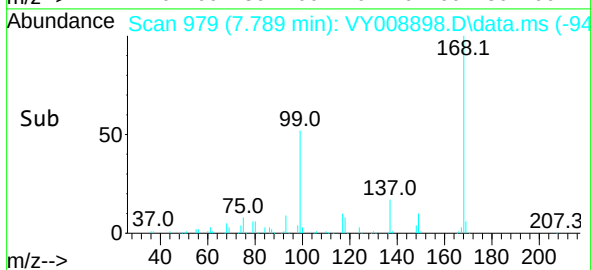
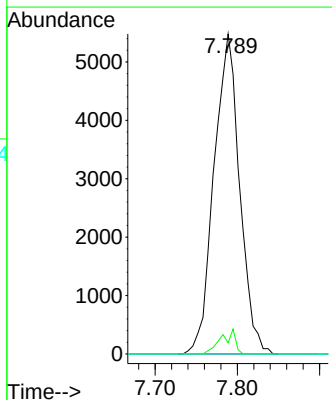
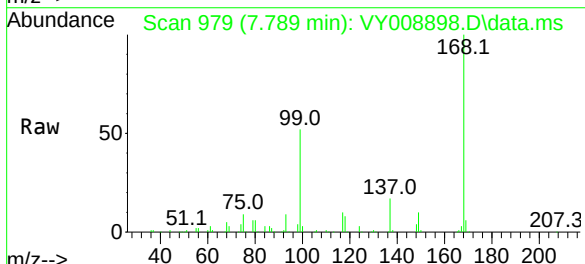
Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS004-0006-01

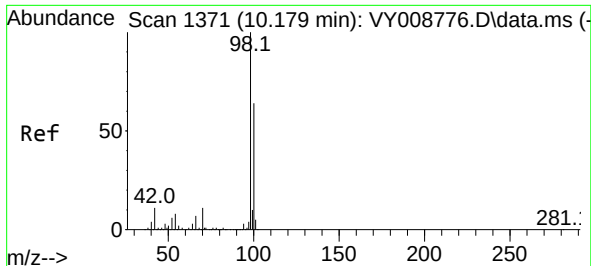
Tgt Ion: 75 Resp: 10234
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.691 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008898.D
 Acq: 20 May 2022 04:12

Tgt Ion: 117 Resp: 11883
 Ion Ratio Lower Upper
 117 100
 119 3.5 77.9 116.9#
 121 0.0 24.8 37.2#

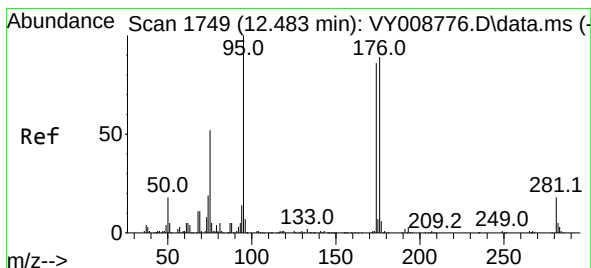
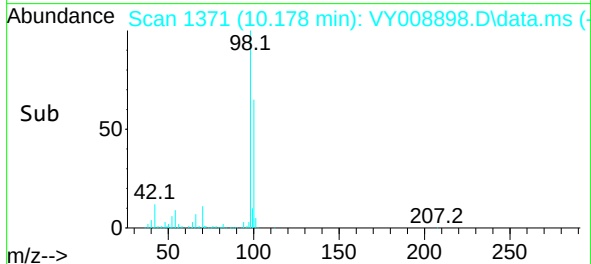
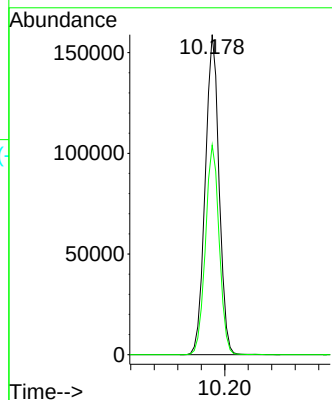
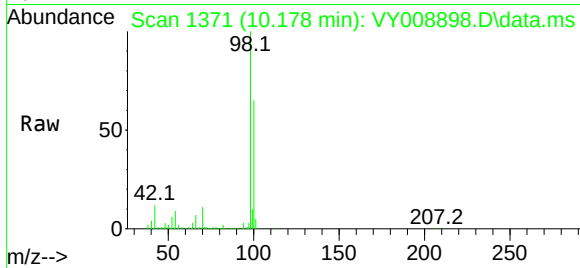




#50
Toluene-d8
Concen: 48.156 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

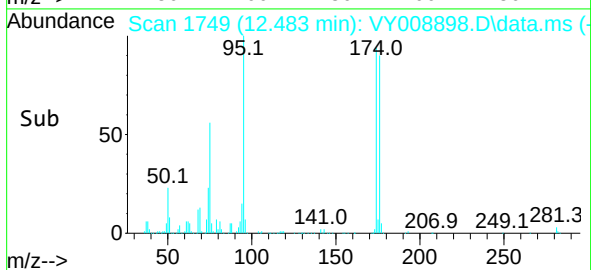
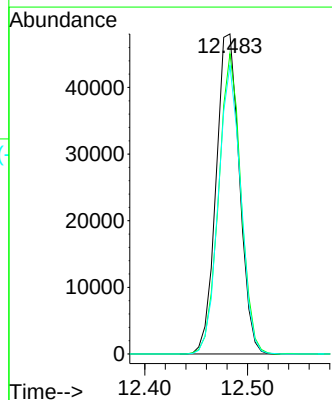
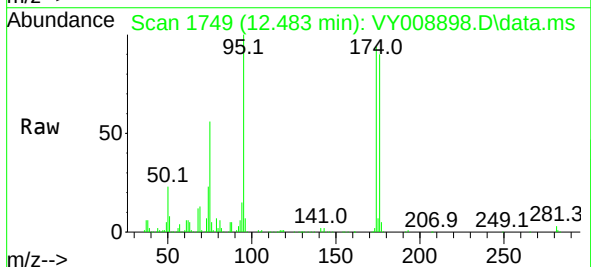
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS004-0006-01

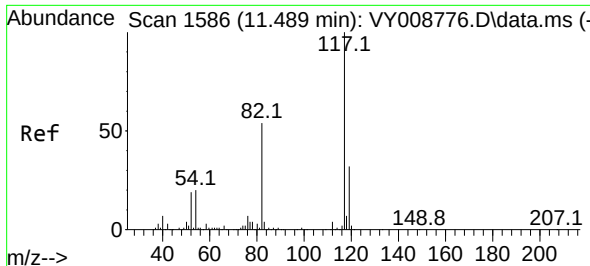
Tgt Ion: 98 Resp: 259733
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.895 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 95 Resp: 75528
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 86.4 0.0 175.8

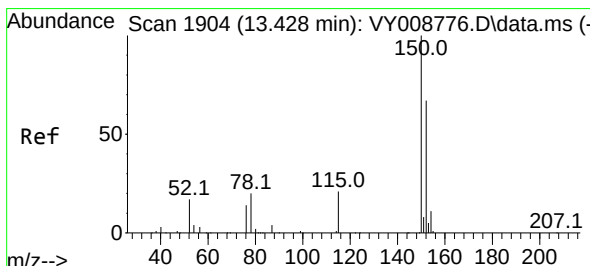
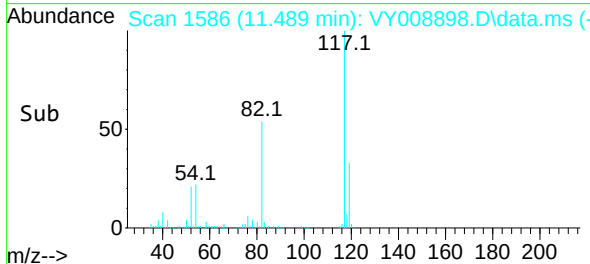
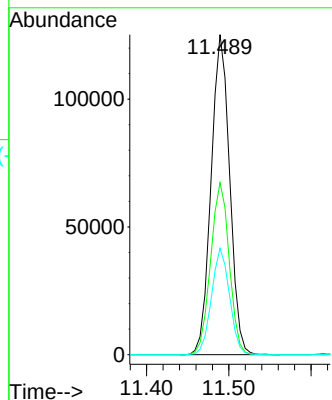
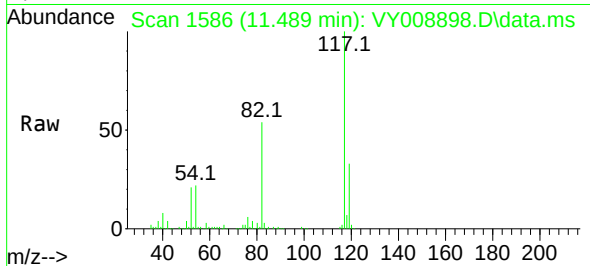




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

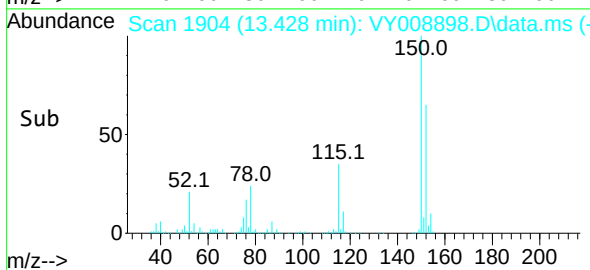
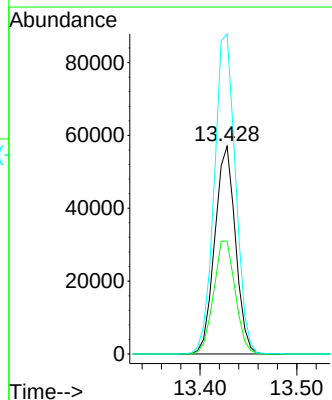
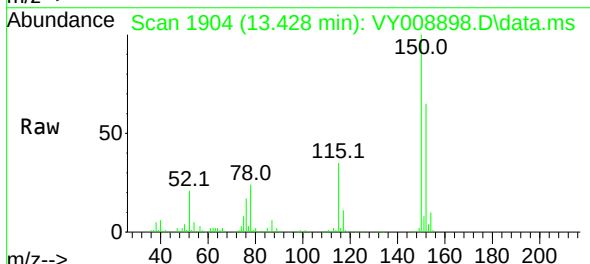
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS004-0006-01

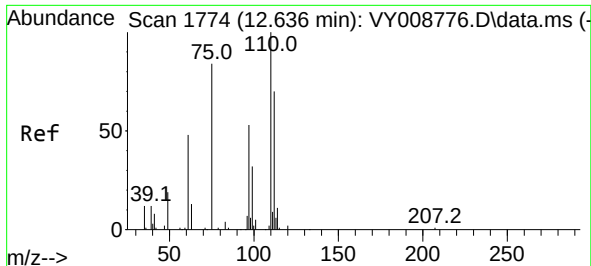
Tgt Ion:	117	Resp:	196181
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	33.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion:	152	Resp:	84664
Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.2	84.7
150	158.4	0.0	347.6

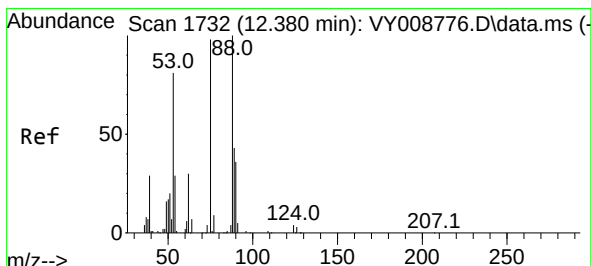
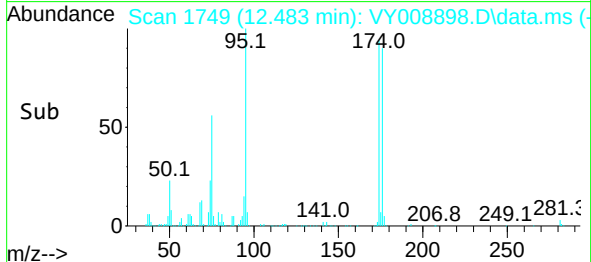
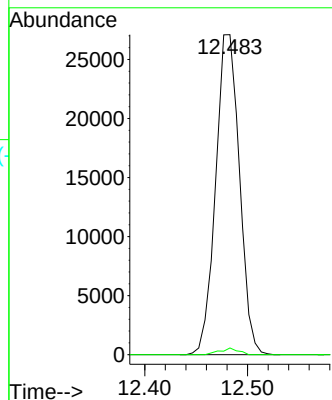
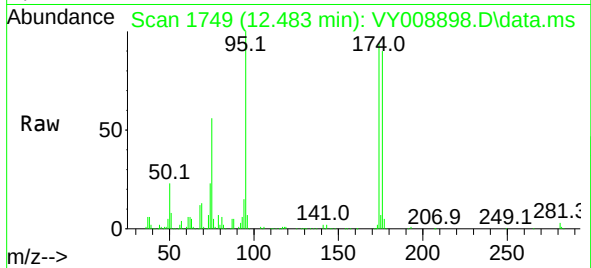




#76
1,2,3-Trichloropropane
Concen: 44.583 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS004-0006-01

Tgt Ion: 75 Resp: 43602
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.516 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008898.D
Acq: 20 May 2022 04:12

Tgt Ion: 75 Resp: 43602
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

