

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008899.D
 Acq On : 20 May 2022 04:35
 Operator : KP/MD
 Sample : N2868-09
 Misc : 3.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS005-0006-01

Quant Time: May 20 05:41:04 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)

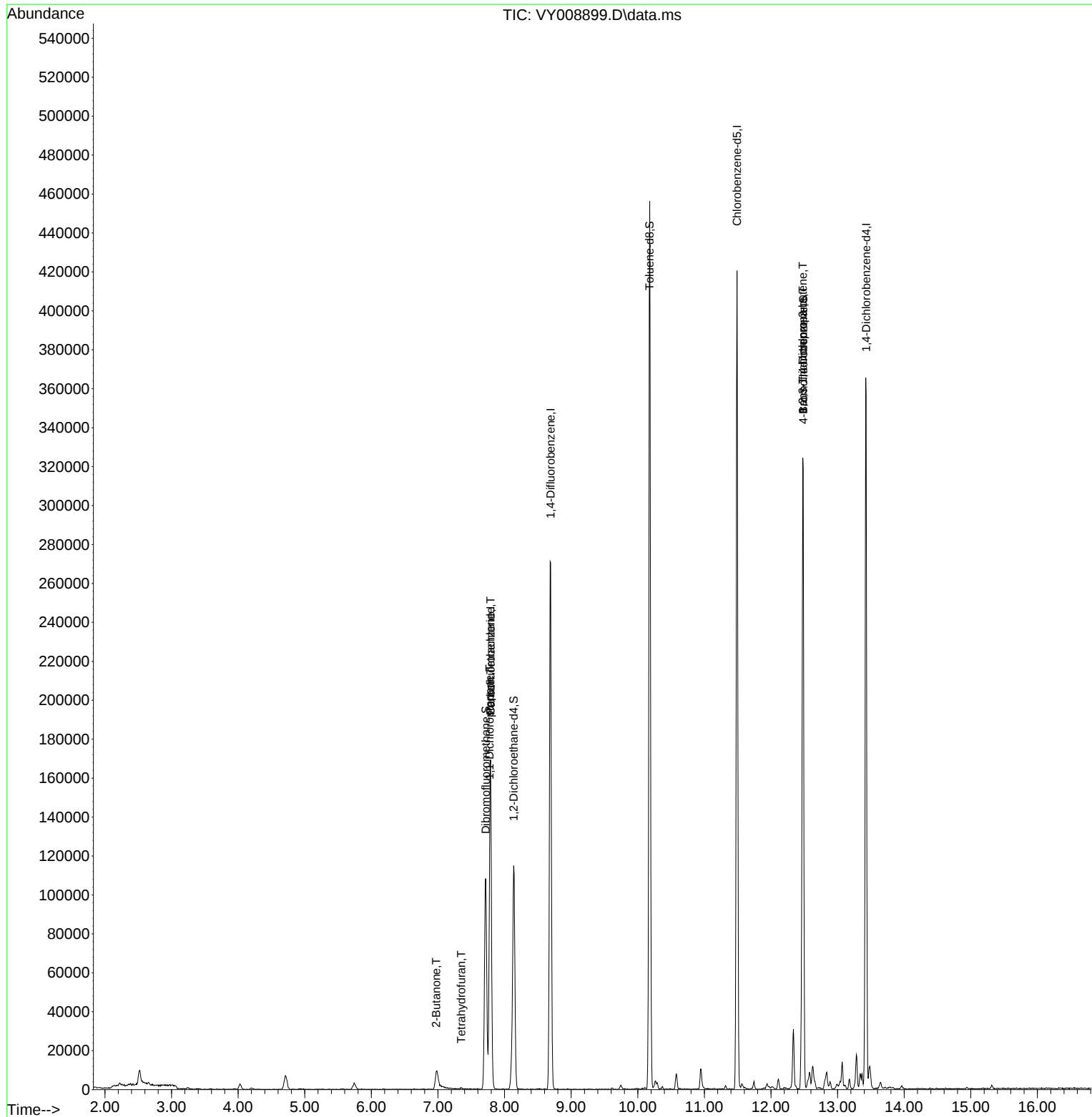
Internal Standards						
1) Pentafluorobenzene	7.789	168	127880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	213376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	80341	67.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.440%
35) Dibromofluoromethane	7.716	113	74593	55.905	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.820%
50) Toluene-d8	10.179	98	289562	48.898	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.483	95	84730	40.728	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	145	Below Cal	#	43
3) Chloromethane	2.113	50	199	Below Cal	#	44
4) Vinyl Chloride	2.235	62	43	Below Cal	#	43
5) Bromomethane	2.656	94	166	Below Cal	#	4
6) Chloroethane	2.888	64	31	Below Cal	#	43
16) Acetone	3.954	43	376	Below Cal	#	47
17) Carbon Disulfide	4.192	76	38	Below Cal	#	75
18) Methyl Acetate	4.241	43	71	Below Cal	#	56
20) Methylene Chloride	4.723	84	5147	Below Cal	#	85
25) 2-Butanone	6.972	43	766	1.539	ug/l #	54
29) Tetrahydrofuran	7.350	42	402	1.212	ug/l #	79
31) Cyclohexane	7.777	56	3088	Below Cal	#	40
36) 1,1-Dichloropropene	7.777	75	11026	5.160	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13017	5.684	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	48898	47.819	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	48898	104.595	ug/l #	9

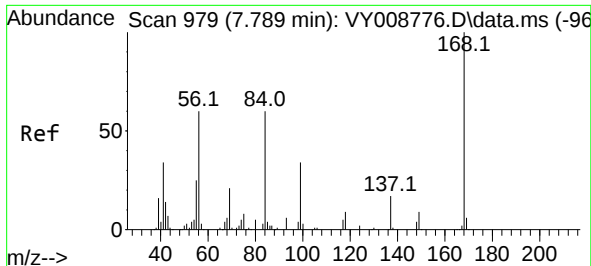
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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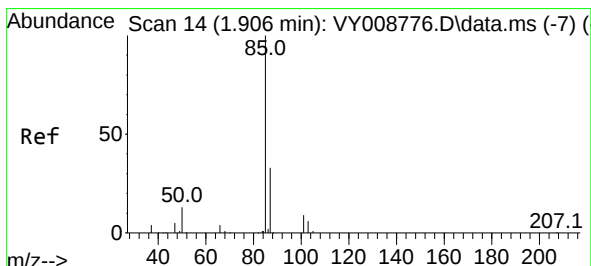
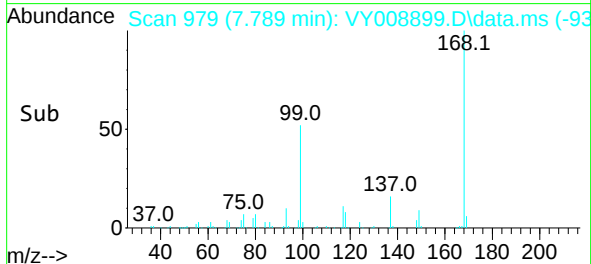
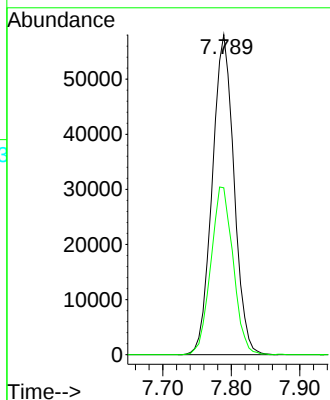
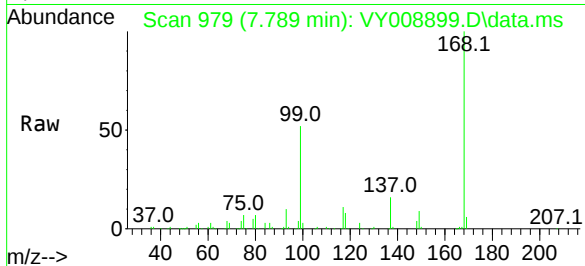




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

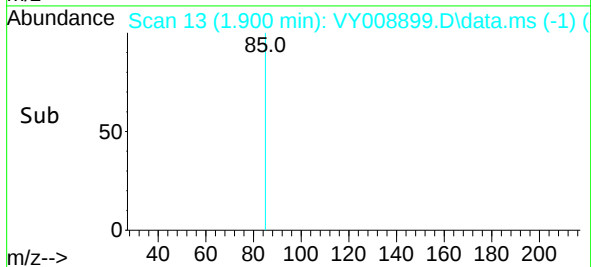
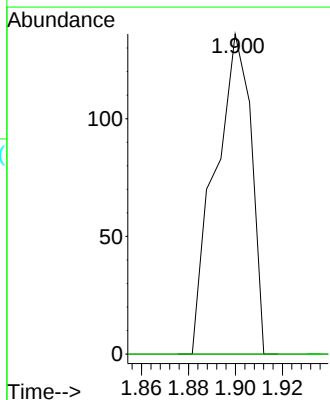
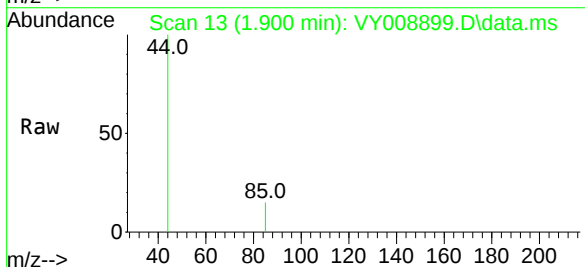
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

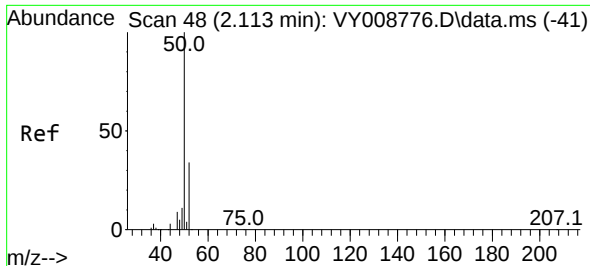
Tgt Ion:168 Resp: 127880
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 85 Resp: 145
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

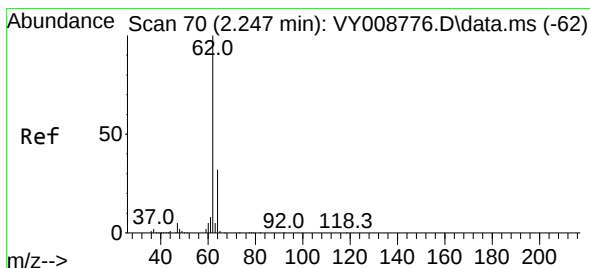
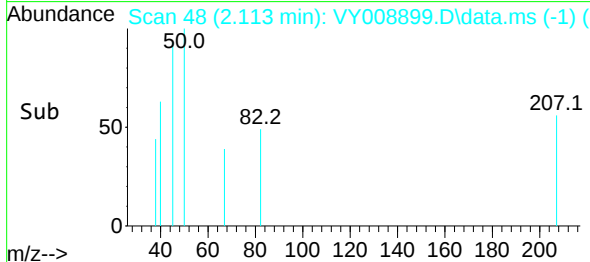
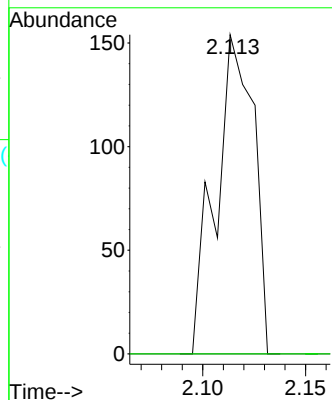
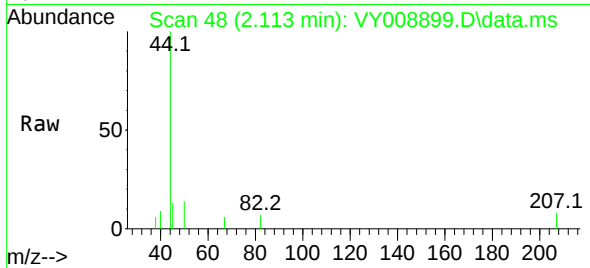




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

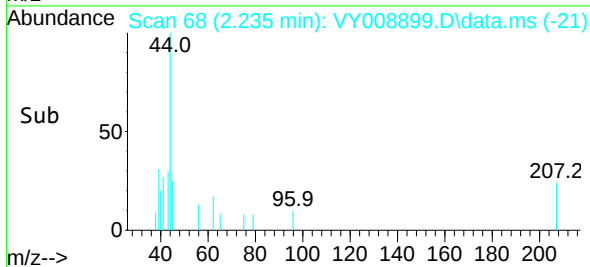
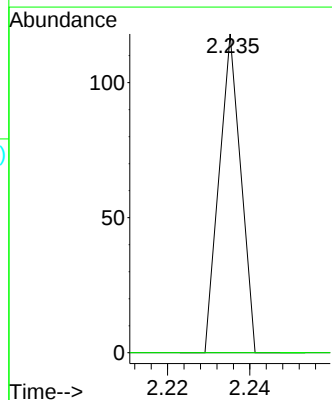
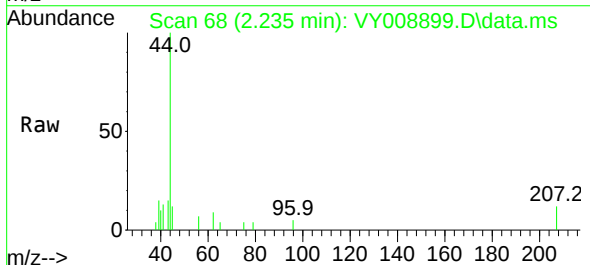
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ClientSampleId :
P017-SS005-0006-01

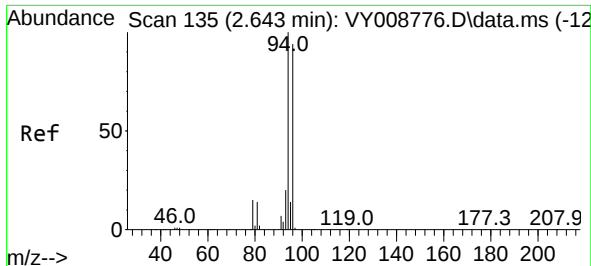
Tgt Ion: 50 Resp: 199
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 62 Resp: 43
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

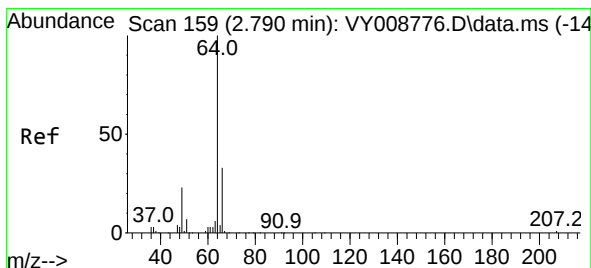
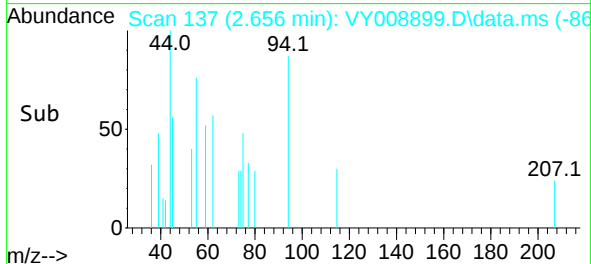
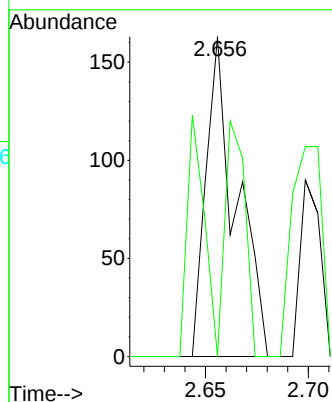
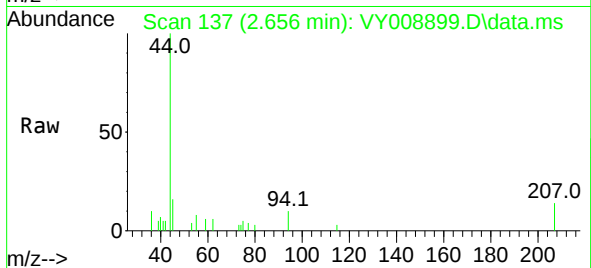




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

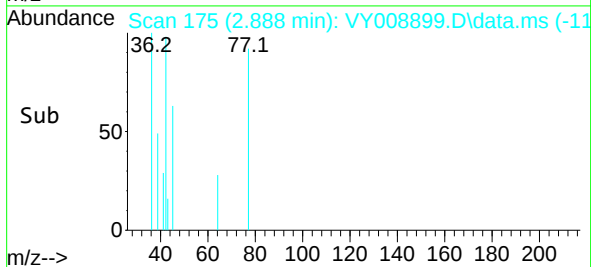
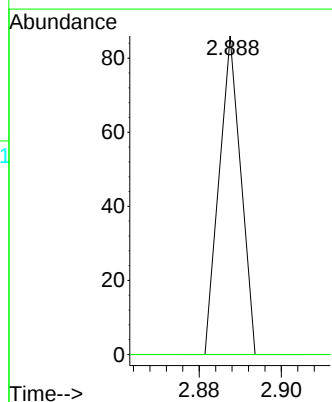
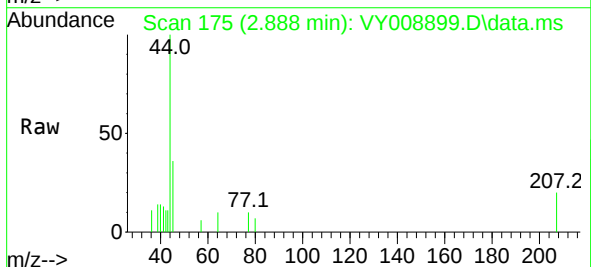
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

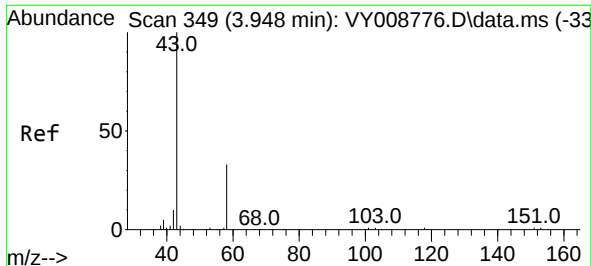
Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.888 min Scan# 175
Delta R.T. 0.098 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 64 Resp: 31
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

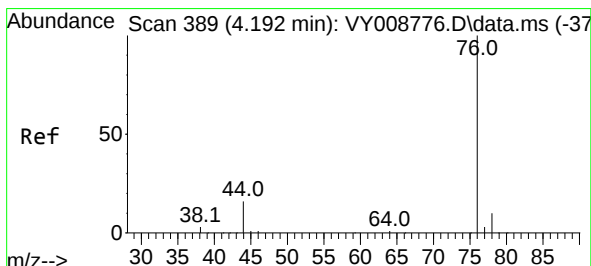
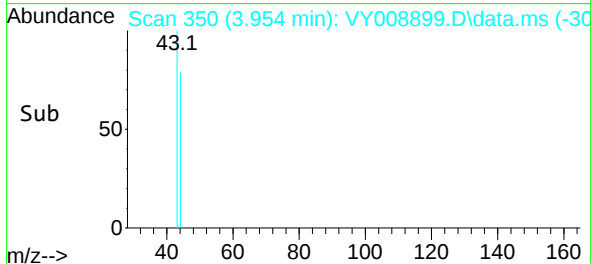
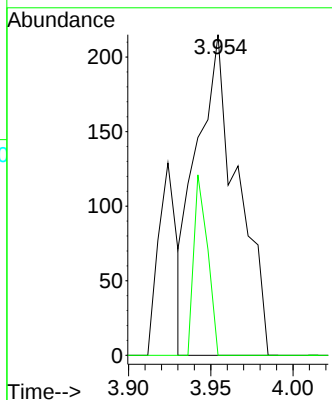
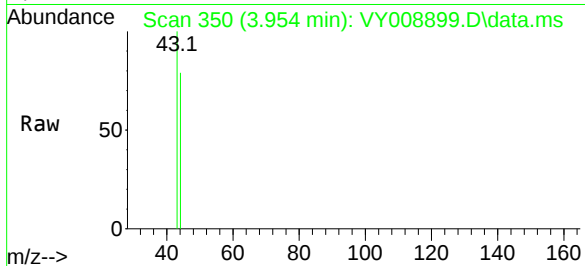




#16
Acetone
Concen: Below Cal
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

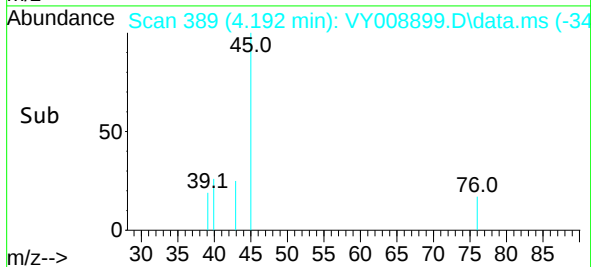
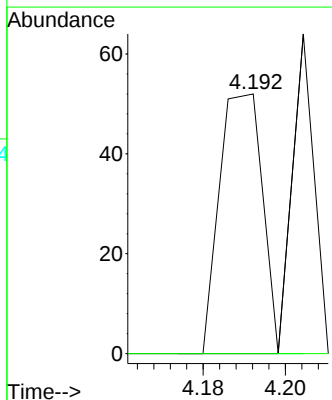
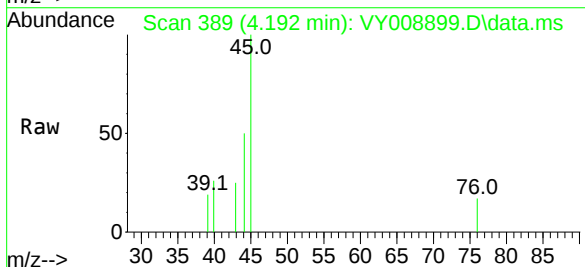
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

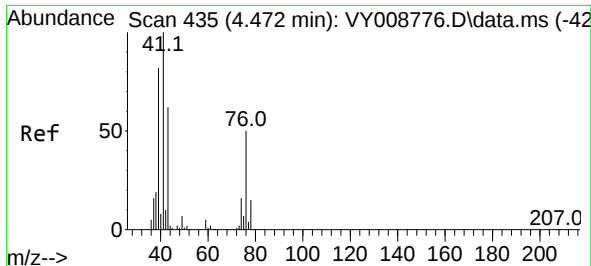
Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 76 Resp: 38
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

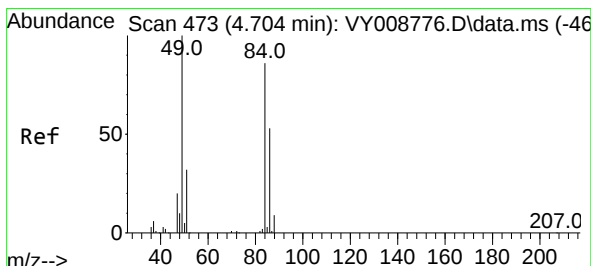
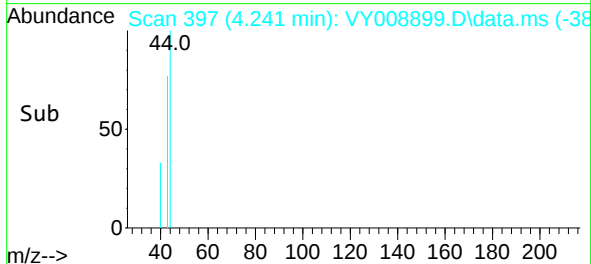
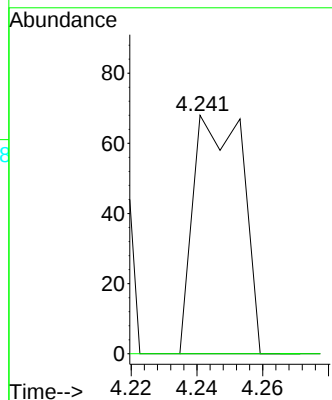
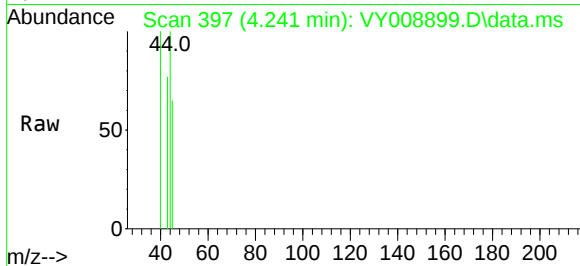




#18
Methyl Acetate
Concen: Below Cal
RT: 4.241 min Scan# 397
Delta R.T. -0.231 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

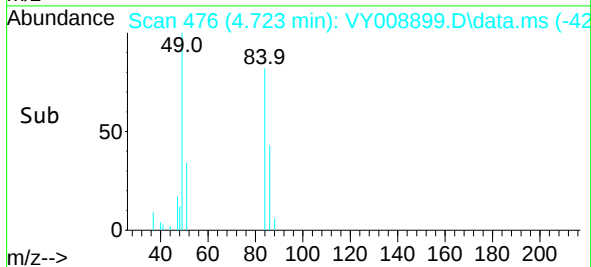
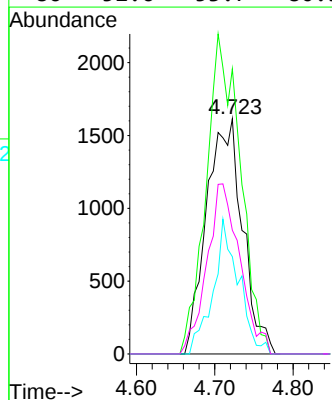
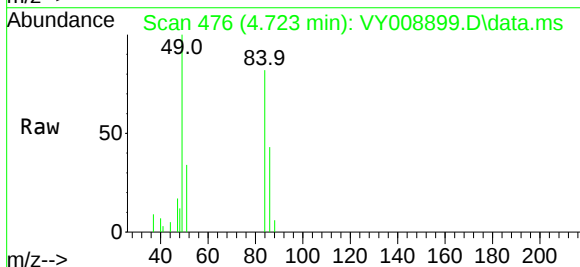
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

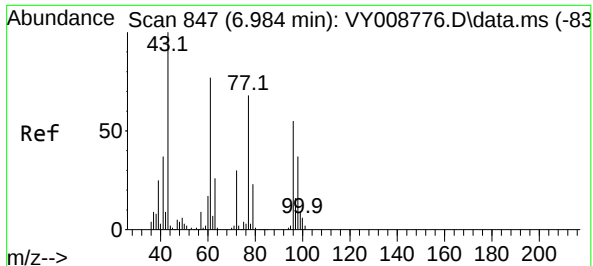
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.019 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 84 Resp: 5147
Ion Ratio Lower Upper
84 100
49 121.2 114.4 171.6
51 41.4 35.3 52.9
86 52.6 53.7 80.5#





#25

2-Butanone

Concen: 1.539 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

Instrument :

MSVOA_Y

ClientSampleId :

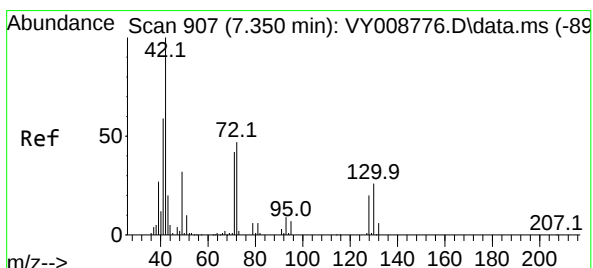
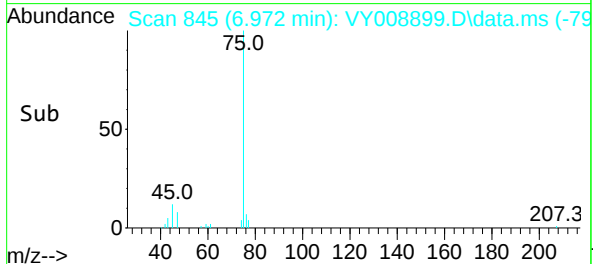
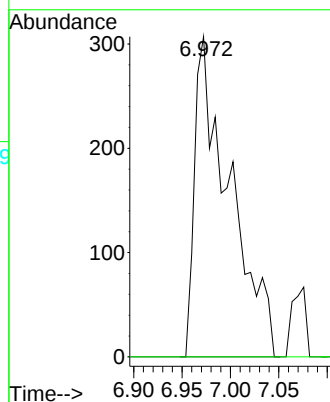
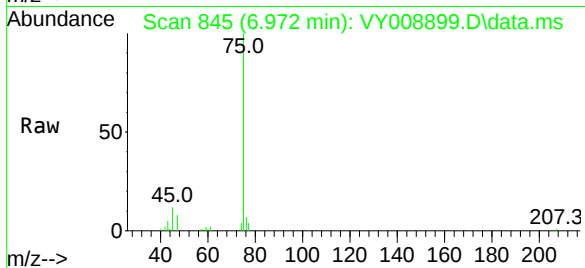
P017-SS005-0006-01

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.212 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

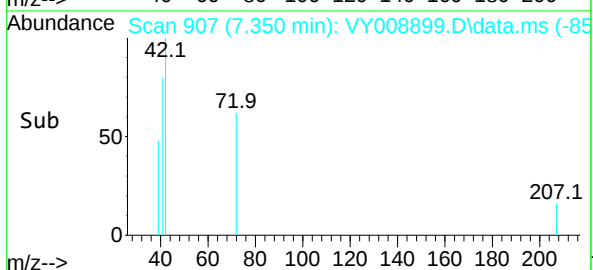
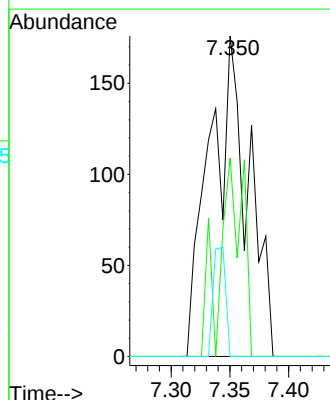
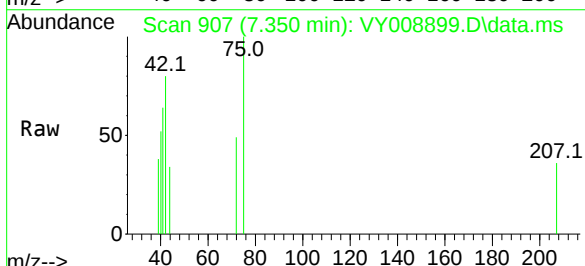
Tgt Ion: 42 Resp: 402

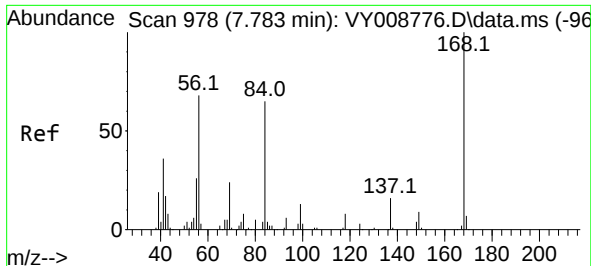
Ion Ratio Lower Upper

42 100

72 38.1 30.3 45.5

71 10.9 29.0 43.4#

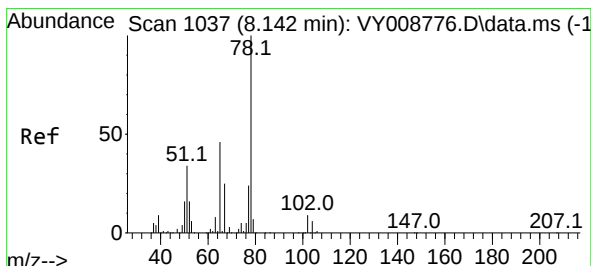
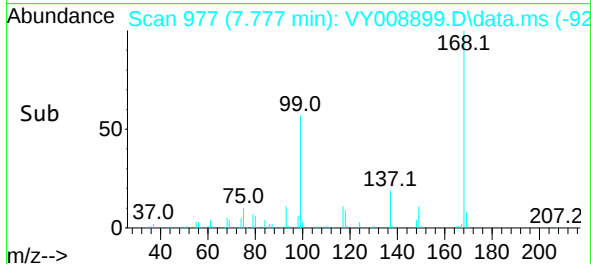
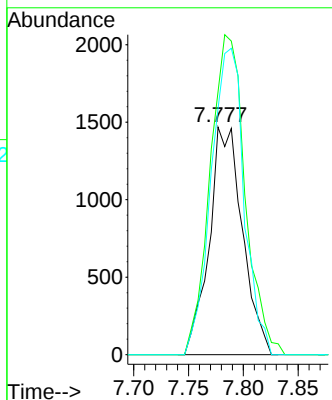
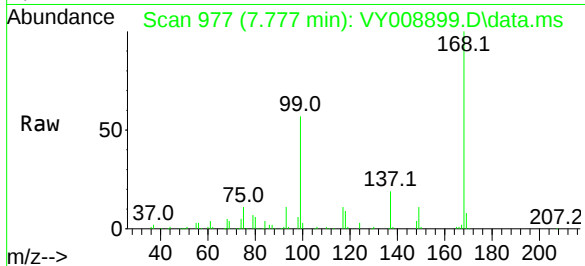




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

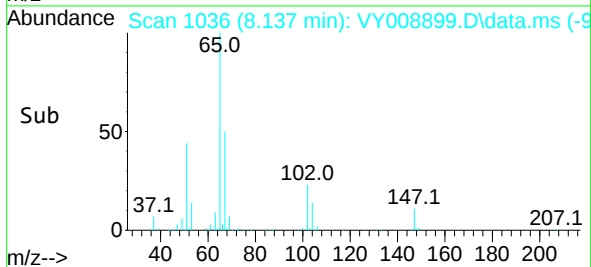
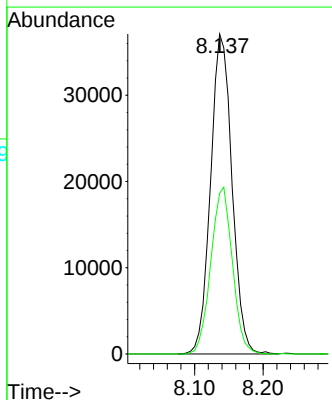
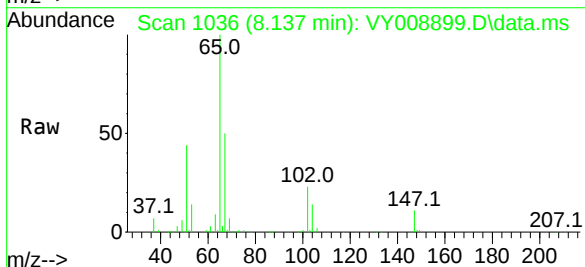
Instrument :
MSVOA_Y
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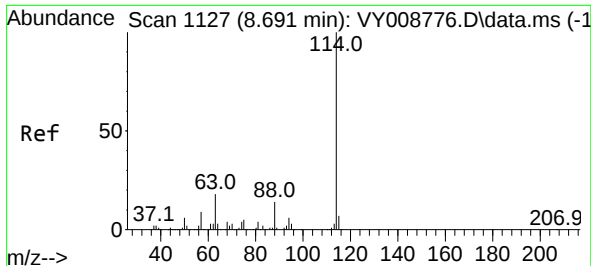
Tgt Ion: 56 Resp: 3088
Ion Ratio Lower Upper
56 100
69 115.5 26.7 40.1#
84 108.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.721 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 65 Resp: 80341
Ion Ratio Lower Upper
65 100
67 52.4 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: VY008899.D

Acq: 20 May 2022 04:35

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS005-0006-01

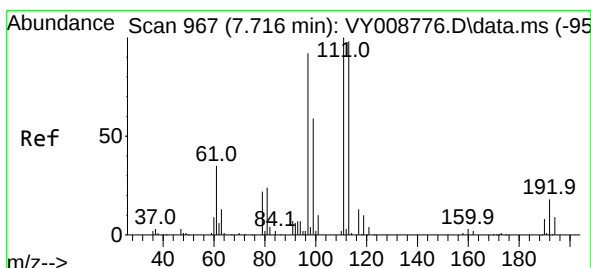
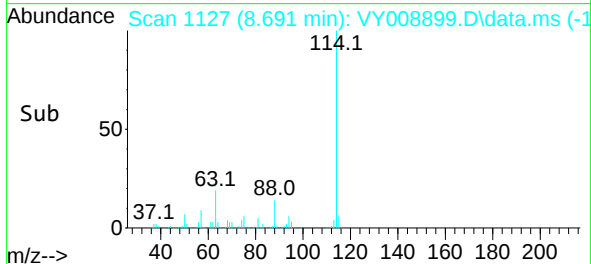
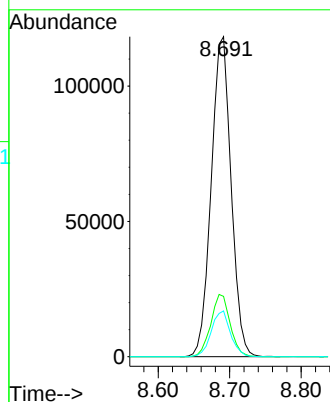
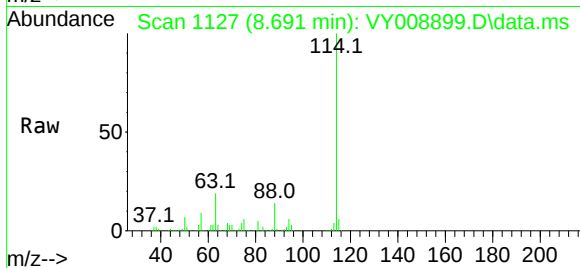
Tgt Ion:114 Resp: 228364

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.905 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

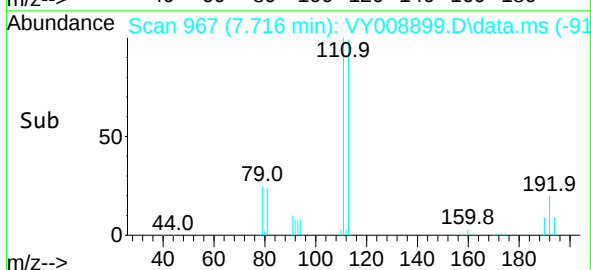
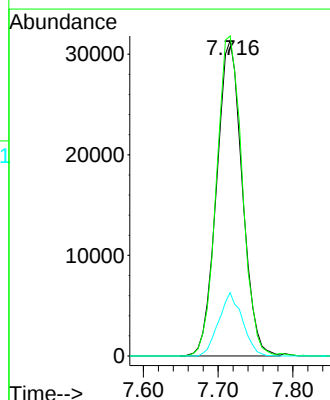
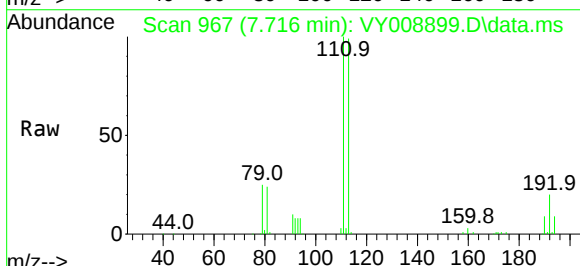
Tgt Ion:113 Resp: 74593

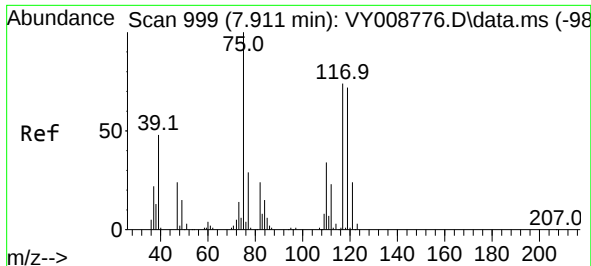
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 18.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS005-0006-01

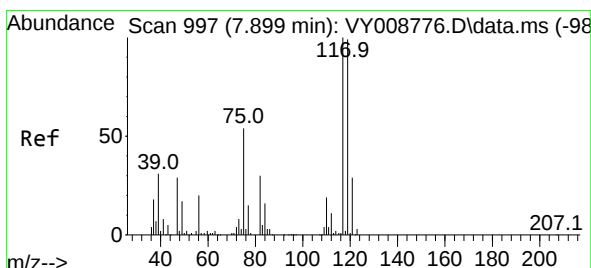
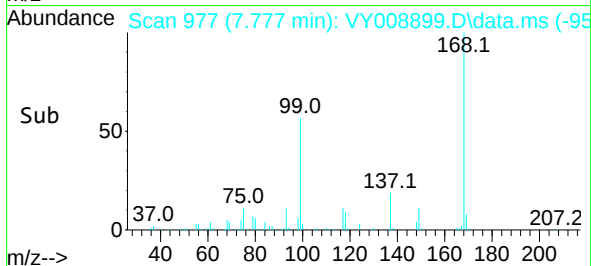
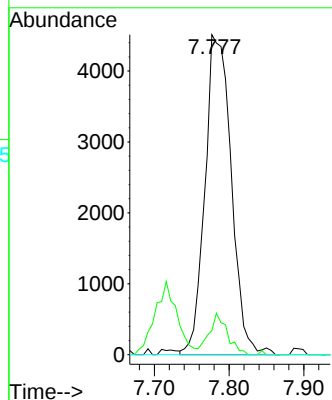
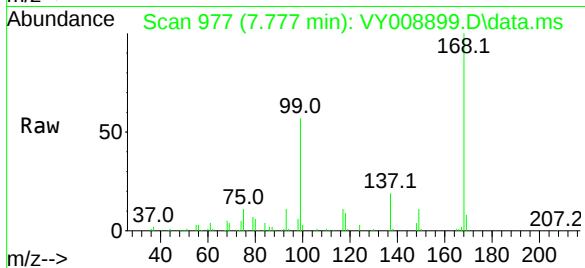
Tgt Ion: 75 Resp: 11026

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.684 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

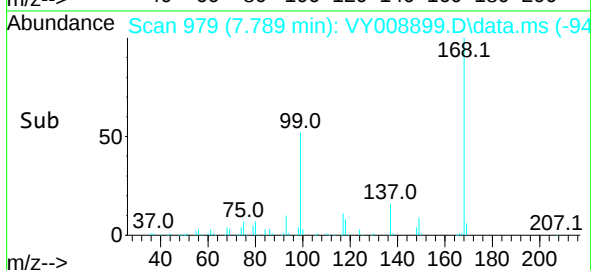
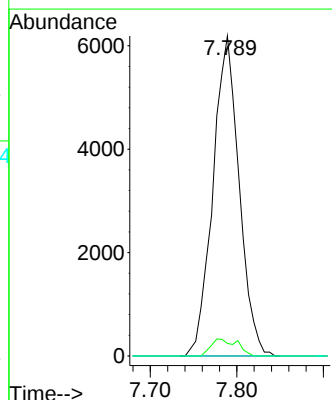
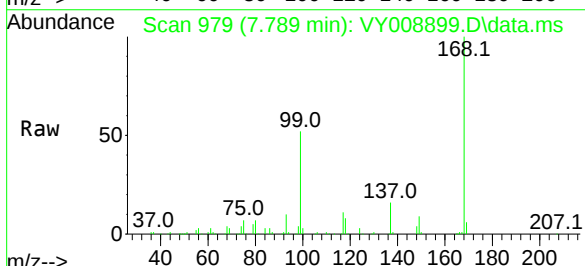
Tgt Ion: 117 Resp: 13017

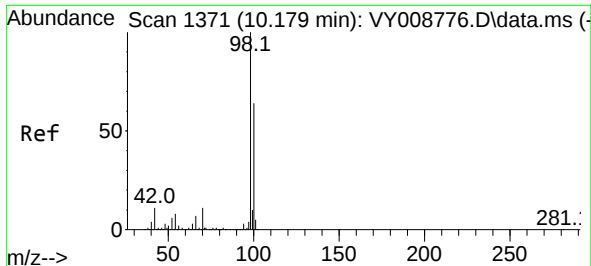
Ion Ratio Lower Upper

117 100

119 3.9 77.9 116.9#

121 0.0 24.8 37.2#

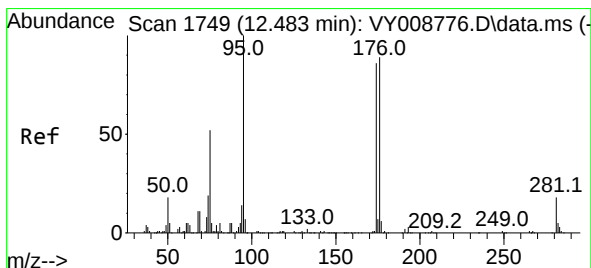
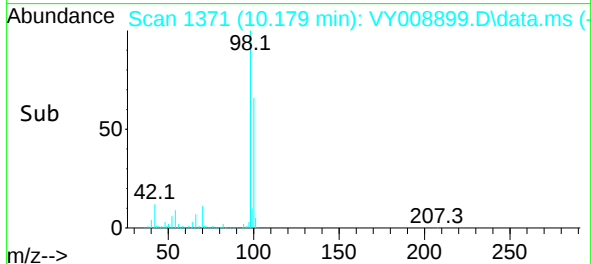
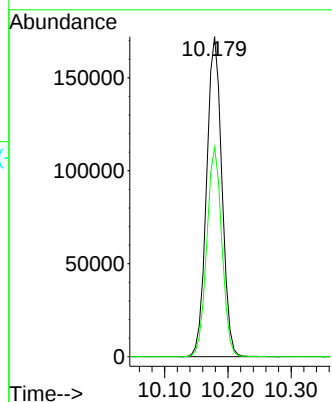
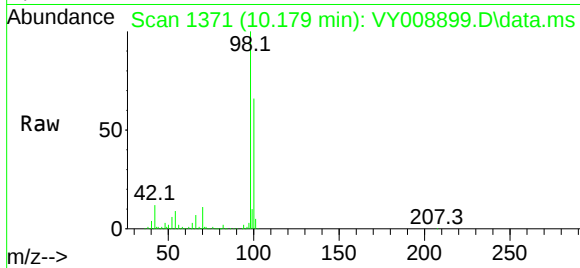




#50
Toluene-d8
Concen: 48.898 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

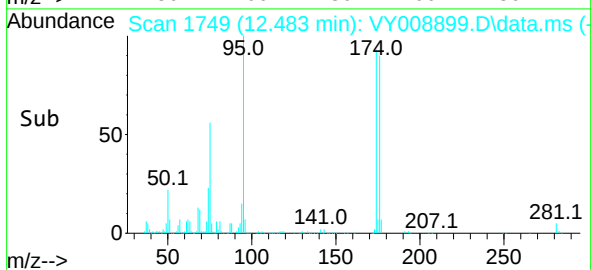
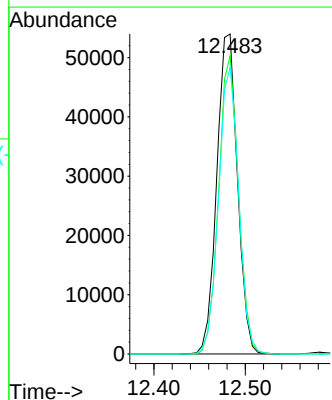
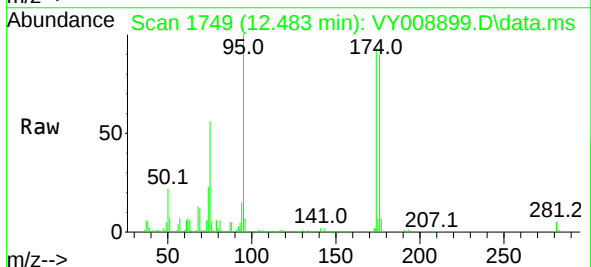
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

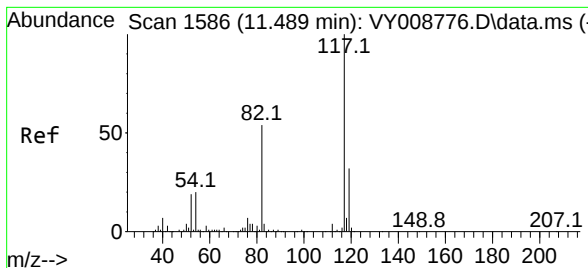
Tgt Ion: 98 Resp: 289562
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.728 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 95 Resp: 84730
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 87.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008899.D

Acq: 20 May 2022 04:35

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS005-0006-01

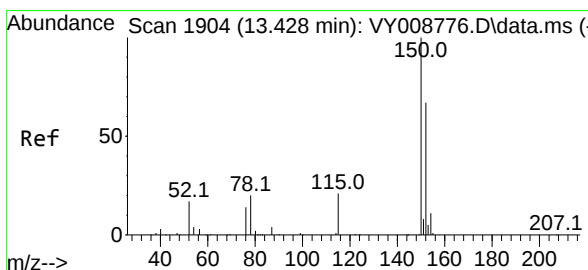
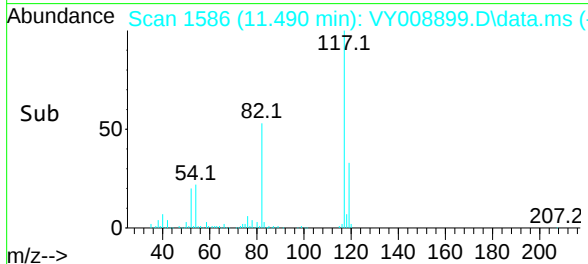
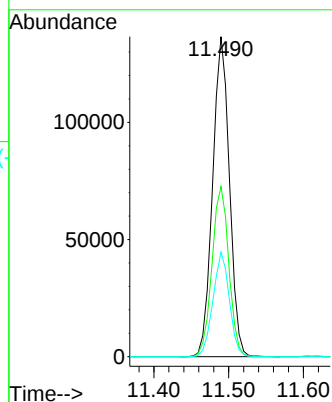
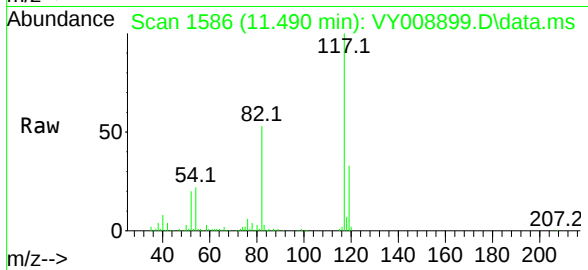
Tgt Ion:117 Resp: 213376

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

119 32.6 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: VY008899.D

Acq: 20 May 2022 04:35

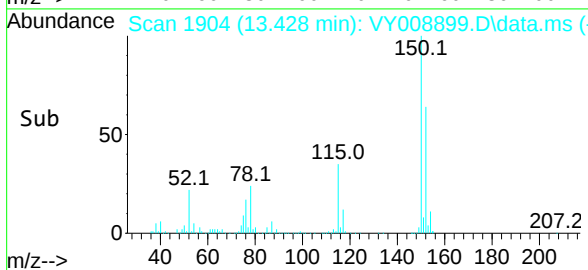
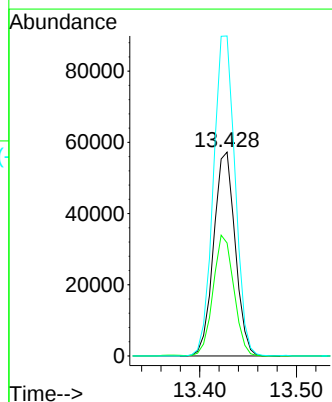
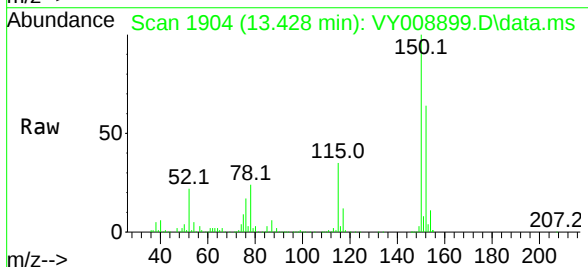
Tgt Ion:152 Resp: 88522

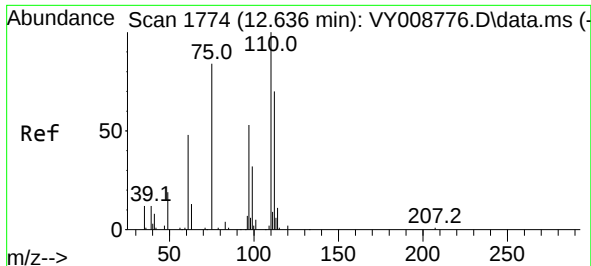
Ion Ratio Lower Upper

152 100

115 57.1 28.2 84.7

150 158.7 0.0 347.6

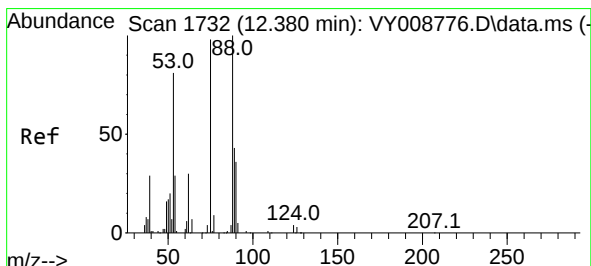
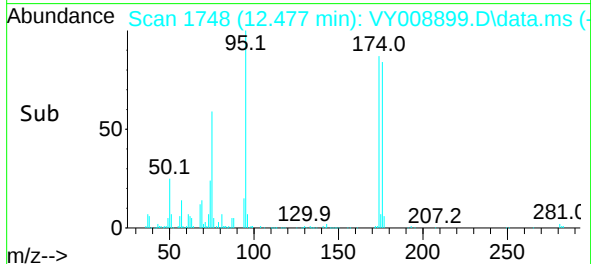
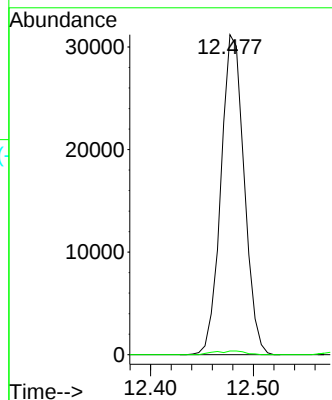
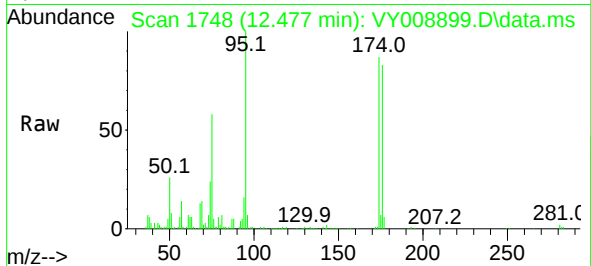




#76
1,2,3-Trichloropropane
Concen: 47.819 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS005-0006-01

Tgt Ion: 75 Resp: 48898
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.595 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008899.D
Acq: 20 May 2022 04:35

Tgt Ion: 75 Resp: 48898
Ion Ratio Lower Upper
75 100
53 2.0 85.3 127.9#
89 0.0 37.0 55.4#

