

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008109.D
 Acq On : 30 Mar 2022 14:31
 Operator : SY/MD
 Sample : N2155-01RE
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22L076-A

Quant Time: Mar 31 04:32:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

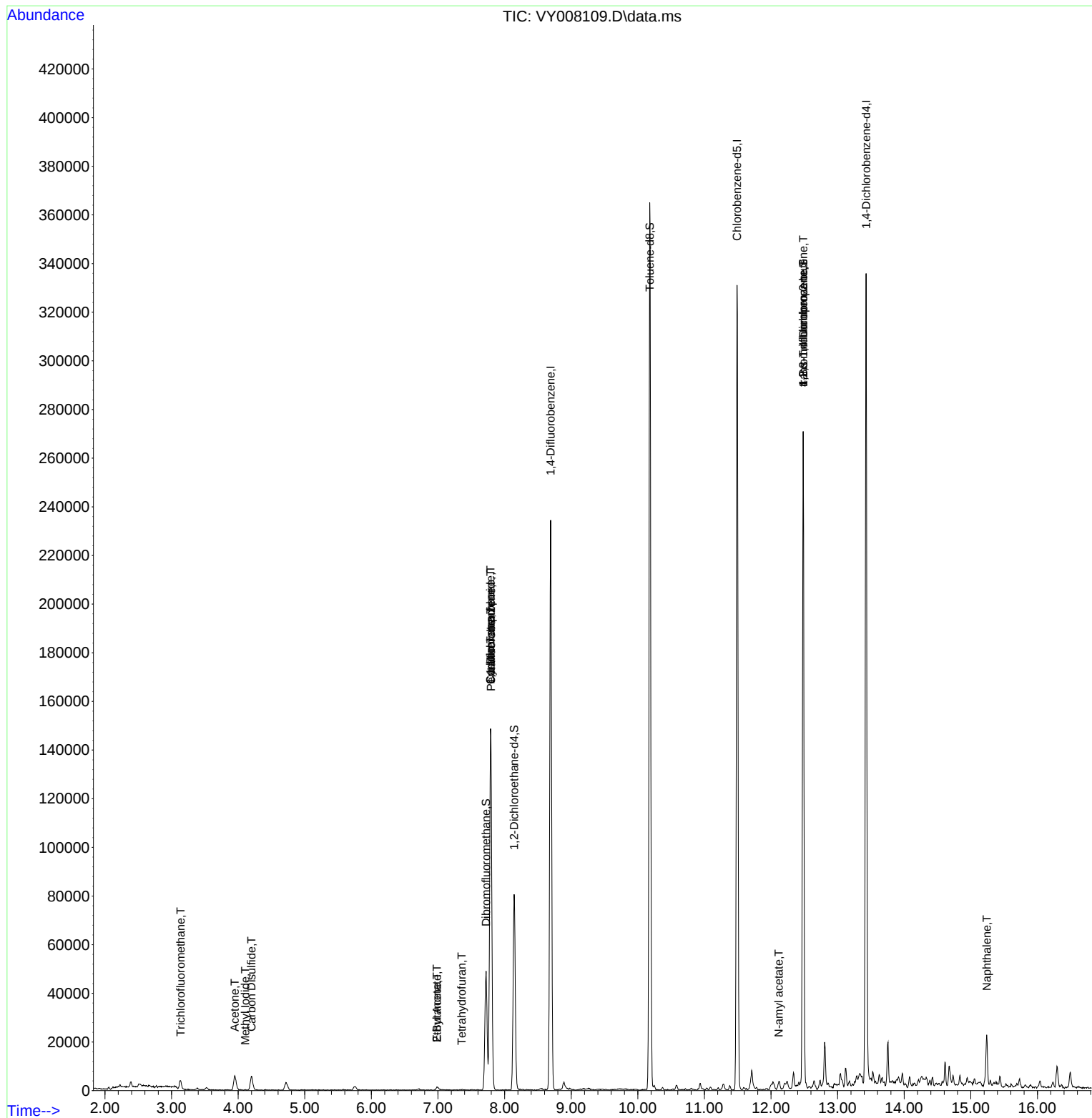
Internal Standards						
1) Pentafluorobenzene	7.795	168	117397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	63234	53.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.722	113	34717	26.584	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 53.160%#			
50) Toluene-d8	10.179	98	246192	50.038	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.080%			
62) 4-Bromofluorobenzene	12.483	95	84528	48.697	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.400%			
Target Compounds					Qvalue	
7) Trichlorofluoromethane	3.137	101	3980	1.835	ug/l	86
10) Methyl Iodide	4.107	142	54	1.731	ug/l #	35
16) Acetone	3.948	43	10253	38.084	ug/l #	84
17) Carbon Disulfide	4.198	76	10327	2.926	ug/l	99
18) Methyl Acetate	4.241	43	21	Below Cal	#	56
20) Methylene Chloride	4.729	84	2666	Below Cal	#	59
25) 2-Butanone	6.984	43	1621	3.957	ug/l #	88
29) Tetrahydrofuran	7.356	42	356	1.337	ug/l #	38
31) Cyclohexane	7.789	56	2432	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8798	4.289	ug/l #	50
37) Ethyl Acetate	6.984	43	1621	1.692	ug/l #	72
38) Carbon Tetrachloride	7.789	117	11957	5.349	ug/l #	14
74) N-amyl acetate	12.117	43	1583	1.035	ug/l #	60
76) 1,2,3-Trichloropropane	12.483	75	42721	41.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42721	92.796	ug/l #	7
95) Naphthalene	15.239	128	17067	4.629	ug/l	98

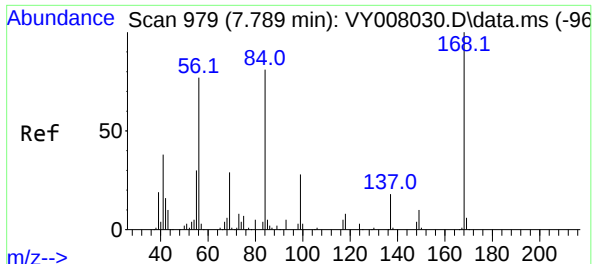
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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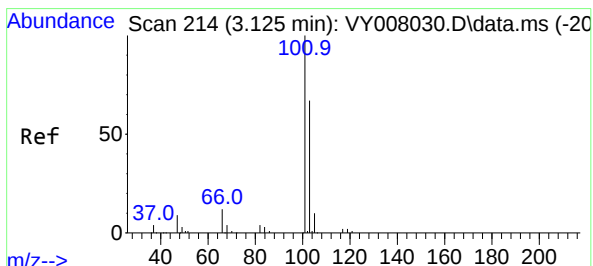
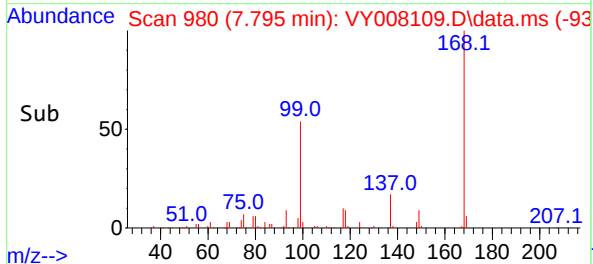
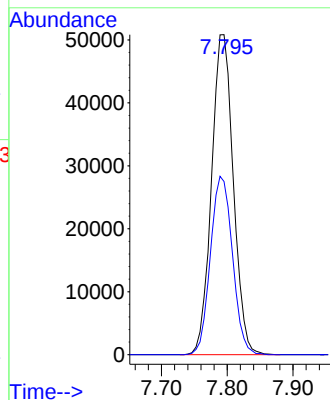
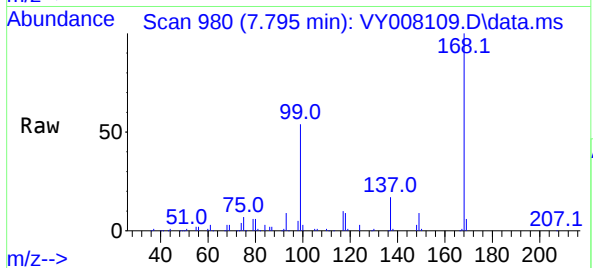




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

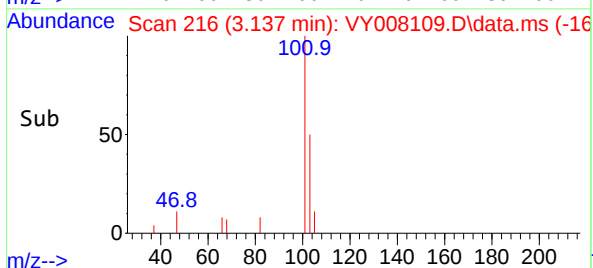
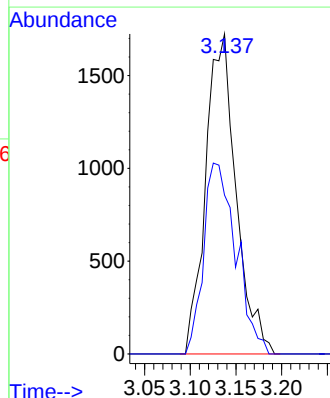
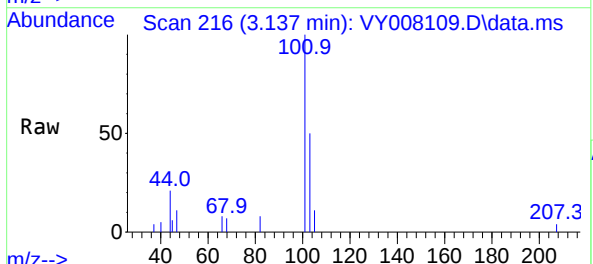
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

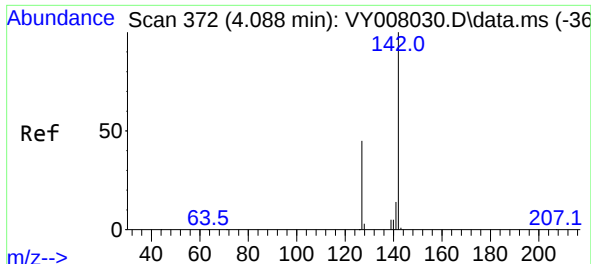
Tgt Ion:168 Resp: 117397
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#7
Trichlorofluoromethane
Concen: 1.835 ug/l
RT: 3.137 min Scan# 216
Delta R.T. 0.012 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion:101 Resp: 3980
Ion Ratio Lower Upper
101 100
103 49.7 48.0 72.0

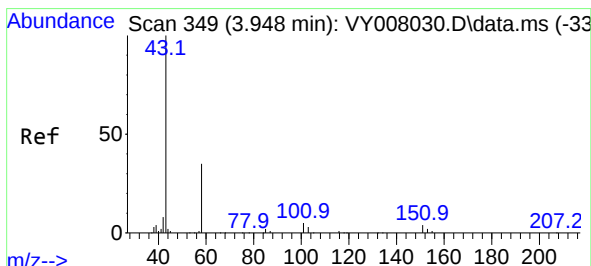
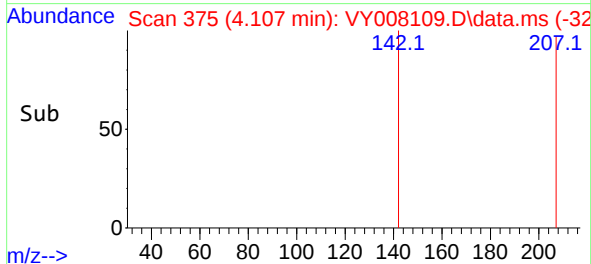
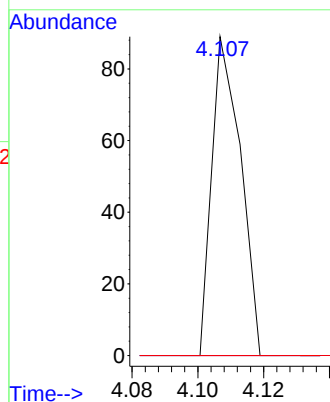
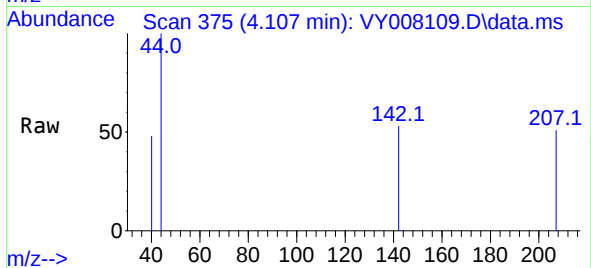




#10
Methyl Iodide
Concen: 1.731 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

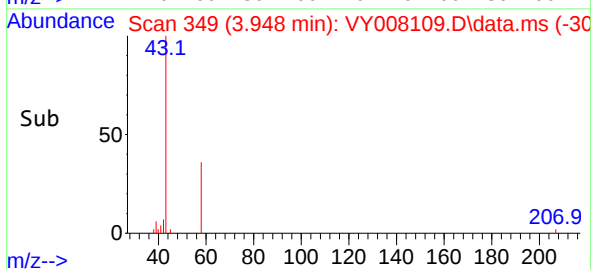
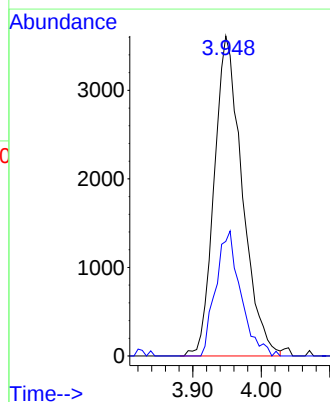
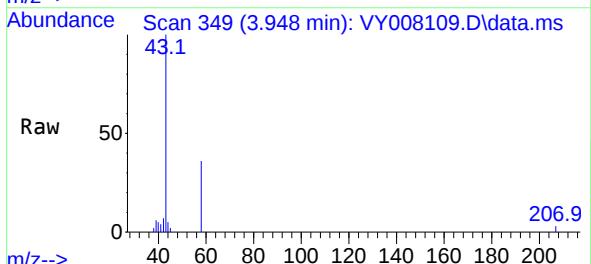
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

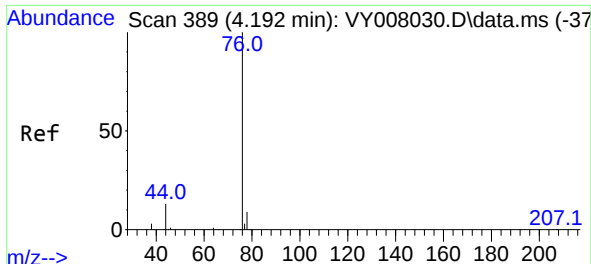
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 38.084 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion: 43 Resp: 10253
Ion Ratio Lower Upper
43 100
58 35.8 22.0 33.0#

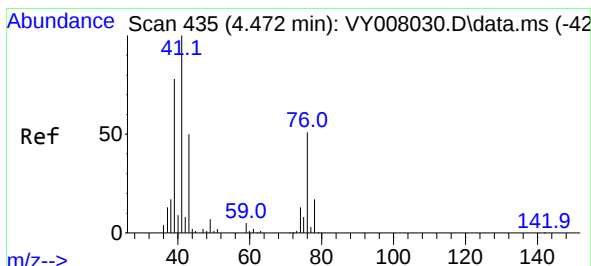
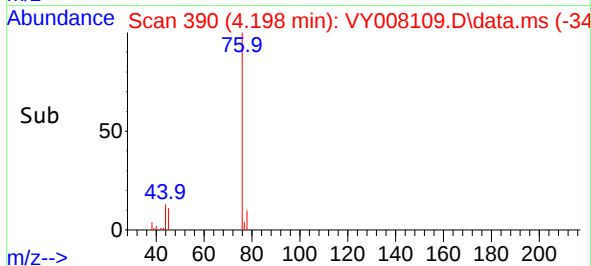
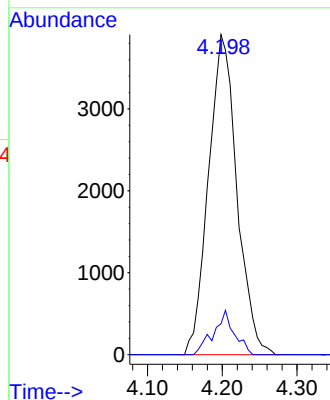
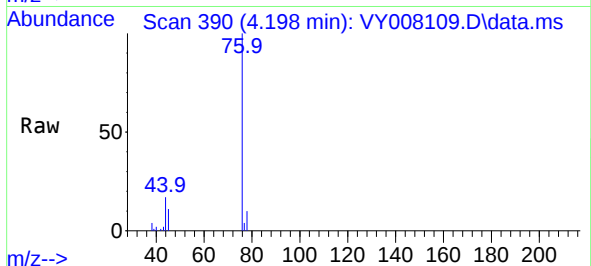




#17
Carbon Disulfide
Concen: 2.926 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

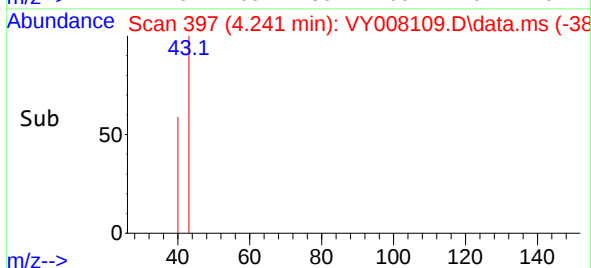
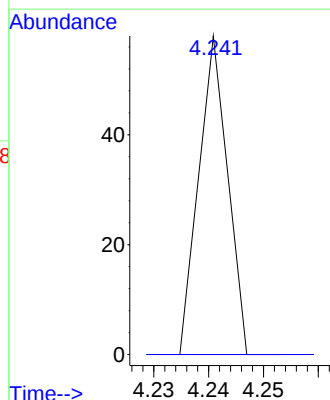
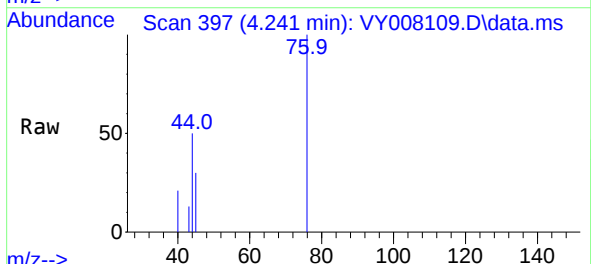
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

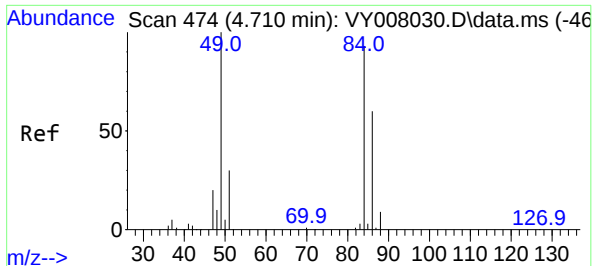
Tgt Ion: 76 Resp: 10327
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.241 min Scan# 397
Delta R.T. -0.231 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

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

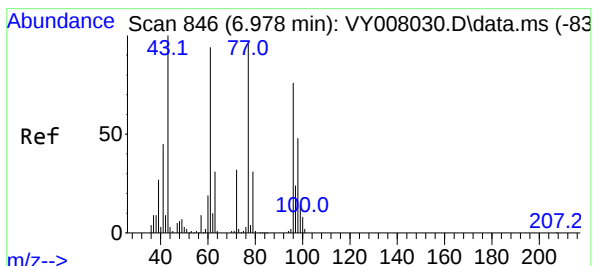
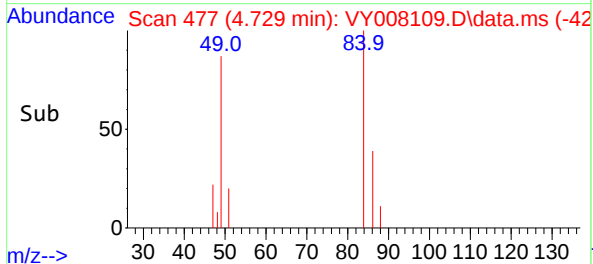
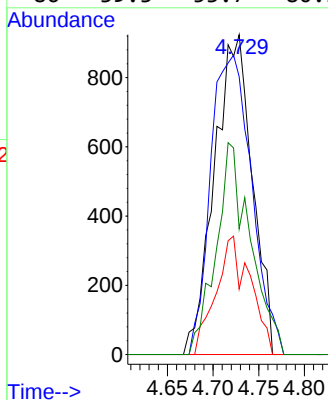
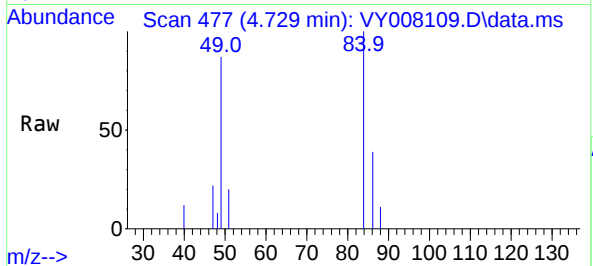




#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

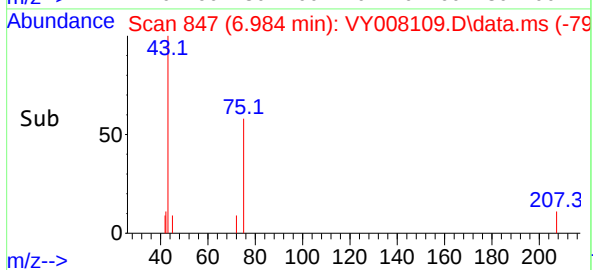
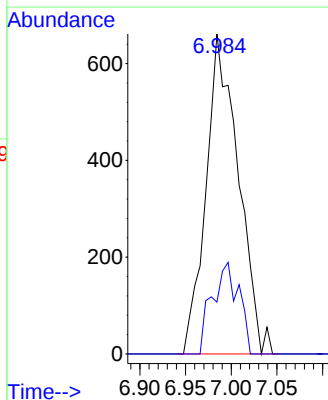
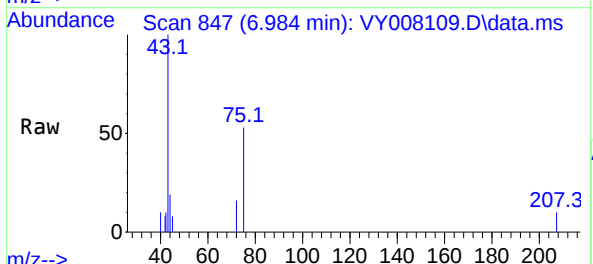
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

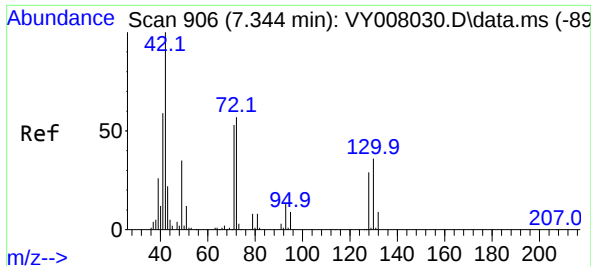
Tgt Ion: 84 Resp: 2666
Ion Ratio Lower Upper
84 100
49 86.9 114.4 171.6#
51 20.5 35.3 52.9#
86 39.3 53.7 80.5#



#25
2-Butanone
Concen: 3.957 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
72 16.2 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.337 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

22L076-A

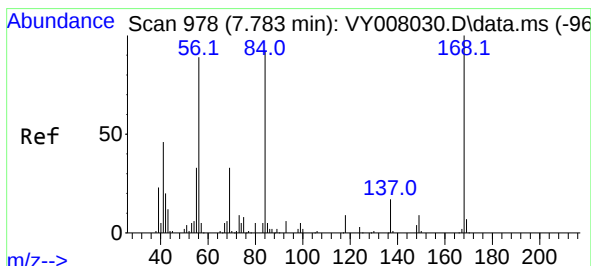
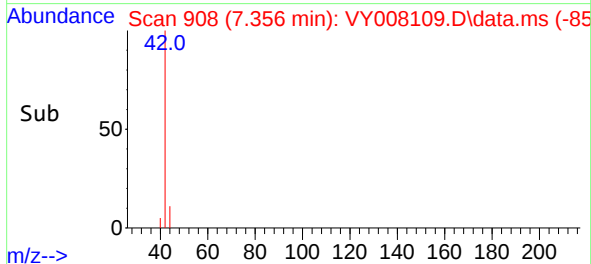
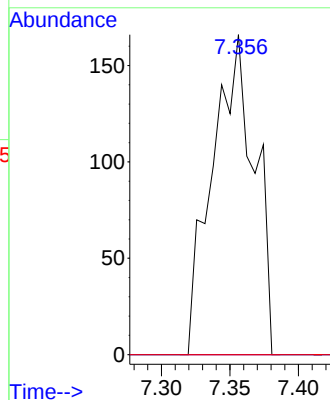
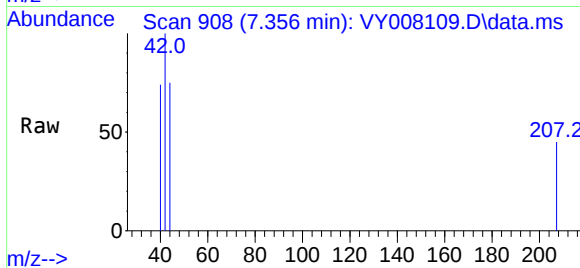
Tgt Ion: 42 Resp: 356

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

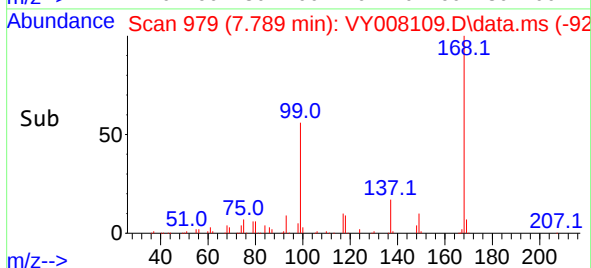
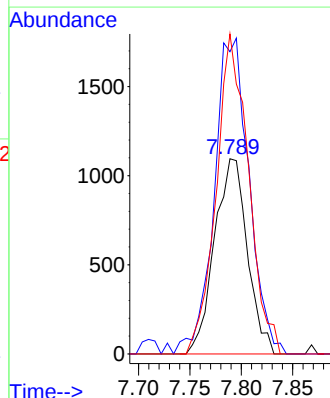
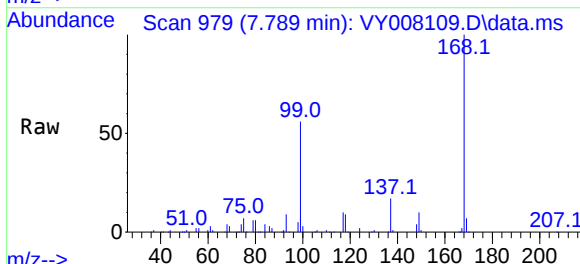
Tgt Ion: 56 Resp: 2432

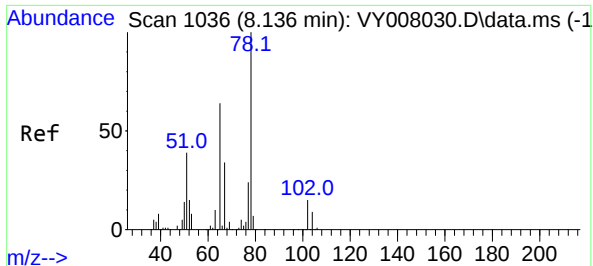
Ion Ratio Lower Upper

56 100

69 149.2 26.7 40.1#

84 163.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.686 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :

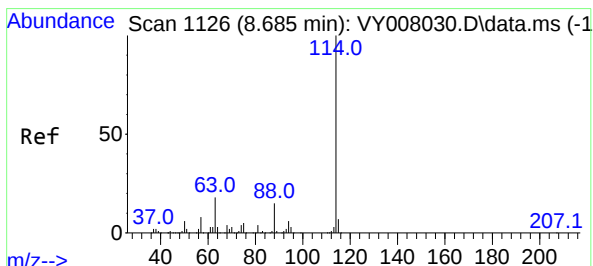
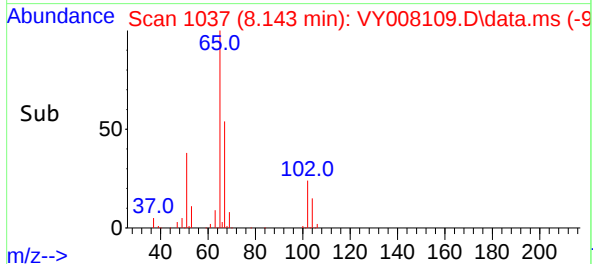
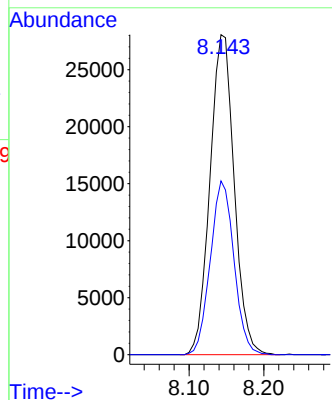
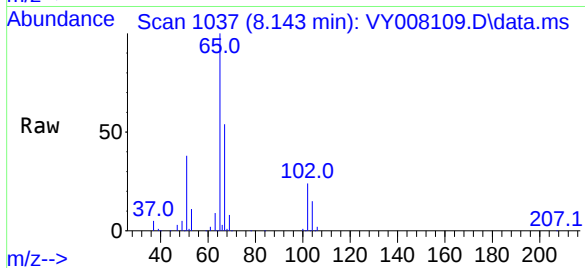
22L076-A

Tgt Ion: 65 Resp: 63234

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

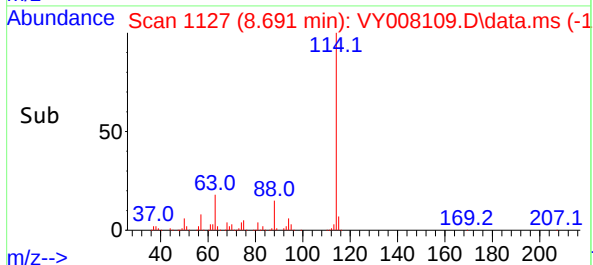
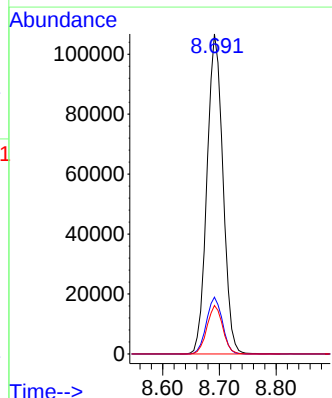
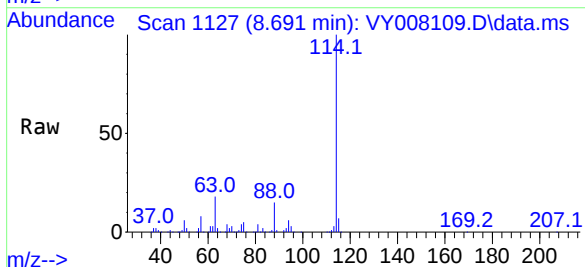
Tgt Ion: 114 Resp: 208289

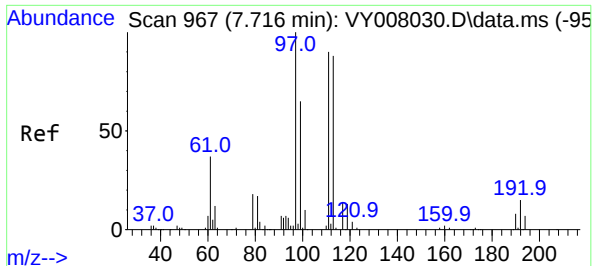
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 26.584 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

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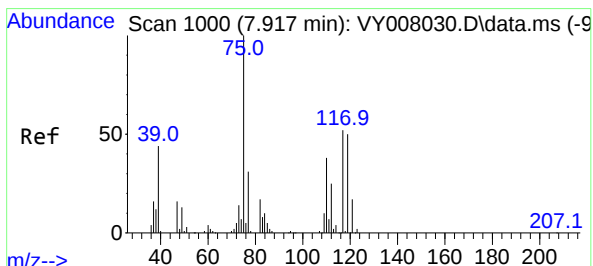
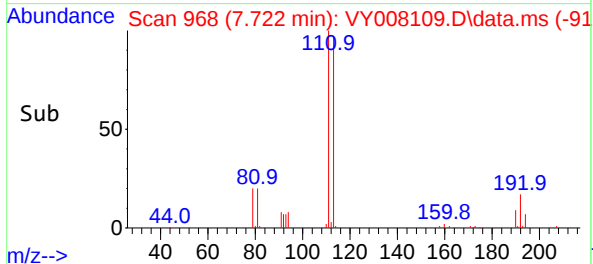
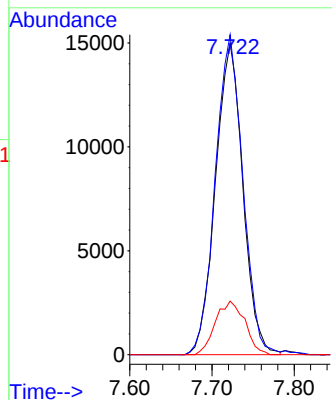
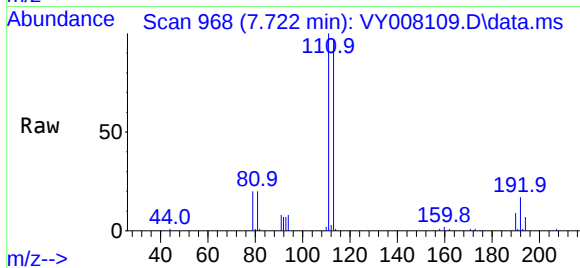
Tgt Ion:113 Resp: 34717

Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 18.6 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.289 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY008109.D

Acq: 30 Mar 2022 14:31

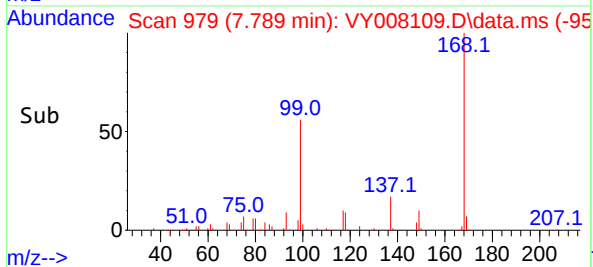
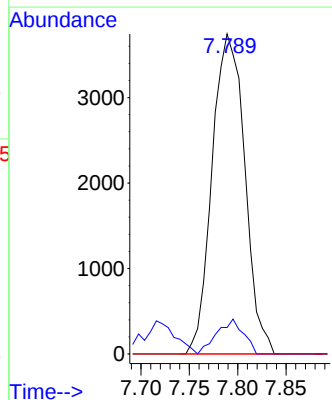
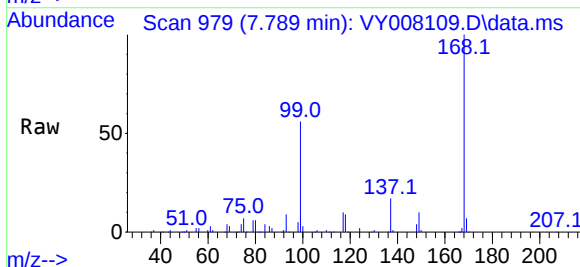
Tgt Ion: 75 Resp: 8798

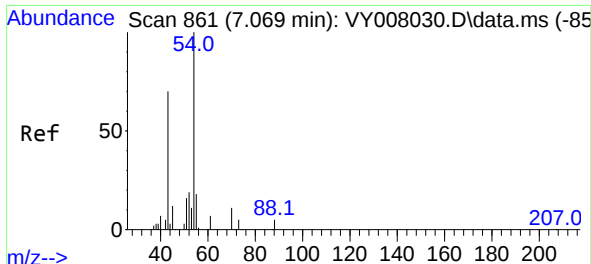
Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#

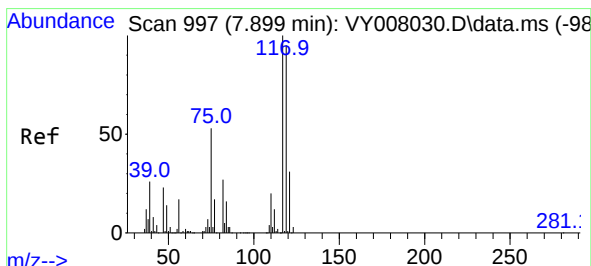
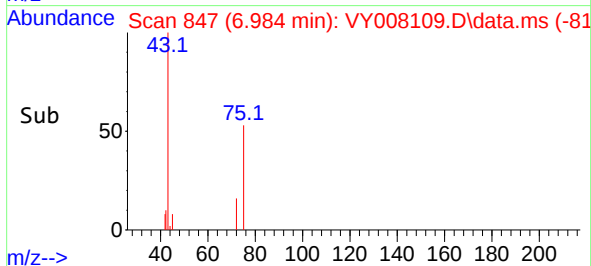
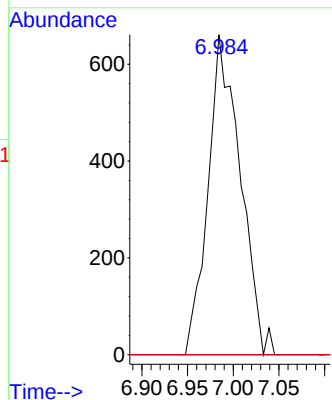
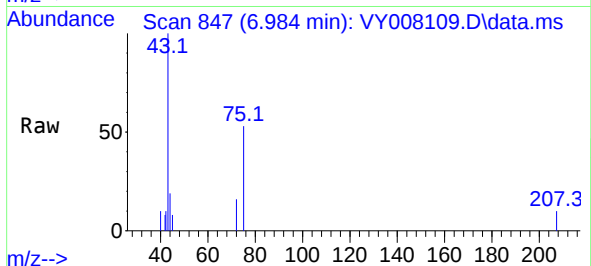




#37
Ethyl Acetate
Concen: 1.692 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

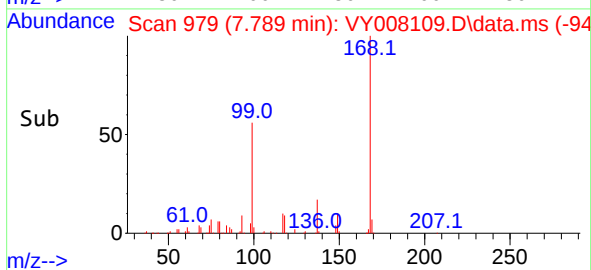
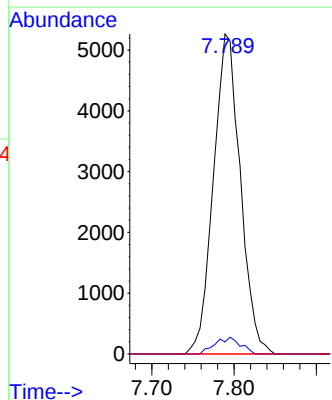
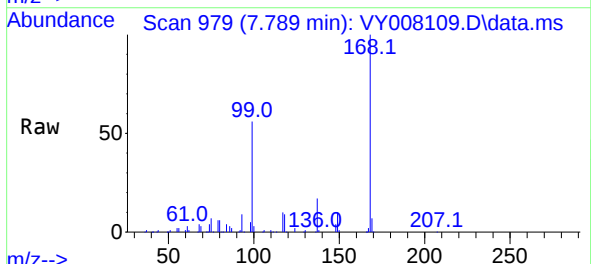
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

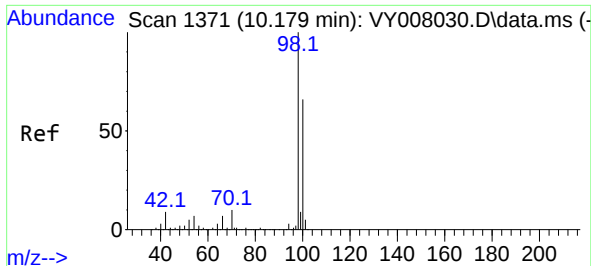
Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.349 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion: 117 Resp: 11957
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#

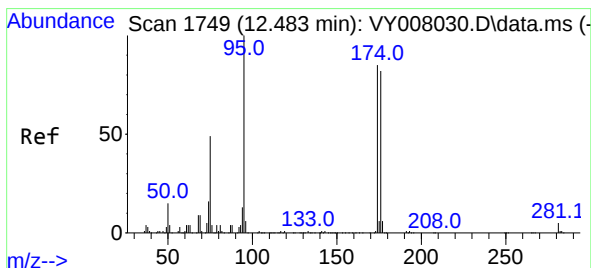
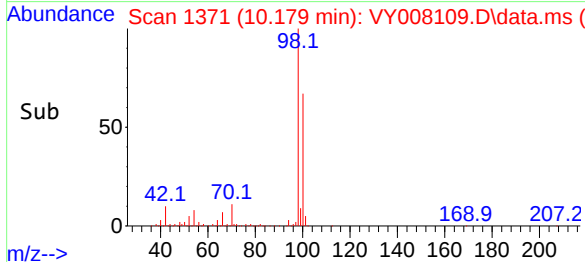
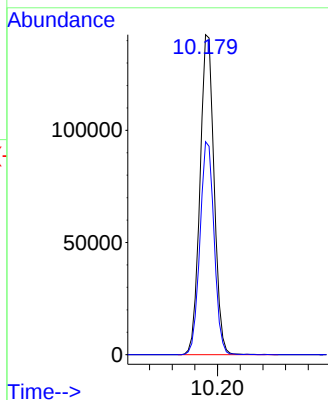
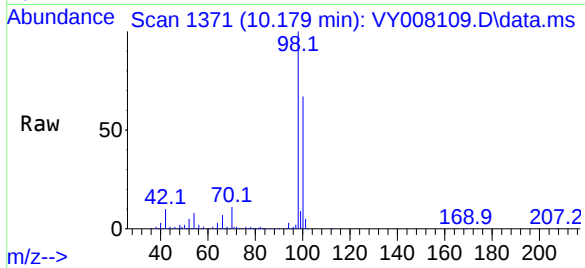




#50
Toluene-d8
Concen: 50.038 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

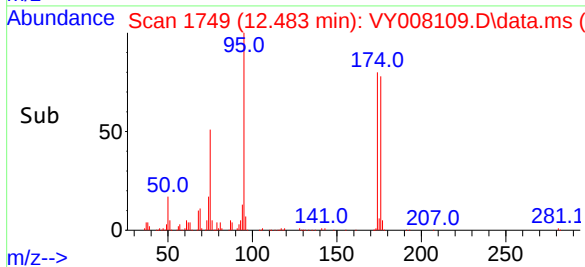
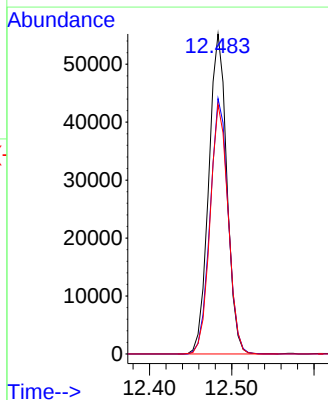
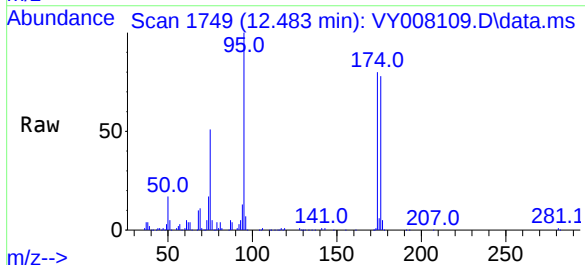
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

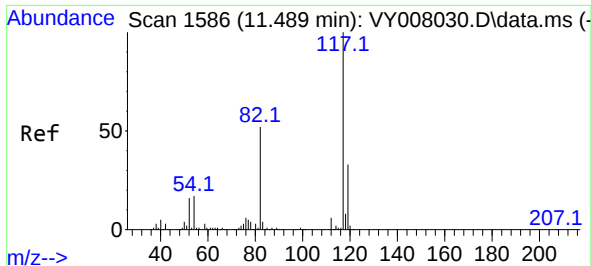
Tgt Ion: 98 Resp: 246192
Ion Ratio Lower Upper
98 100
100 66.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.697 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion: 95 Resp: 84528
Ion Ratio Lower Upper
95 100
174 79.5 0.0 177.0
176 77.4 0.0 175.8

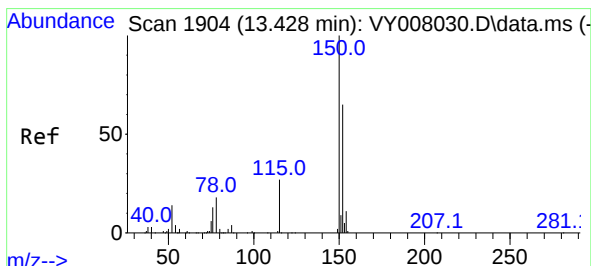
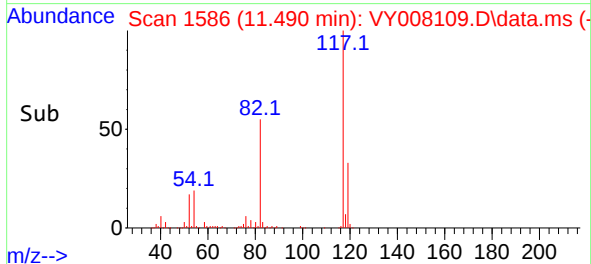
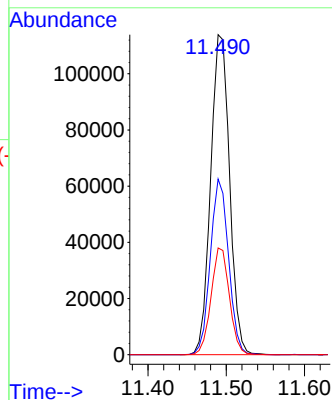
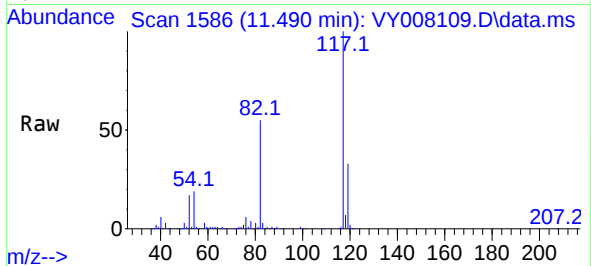




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

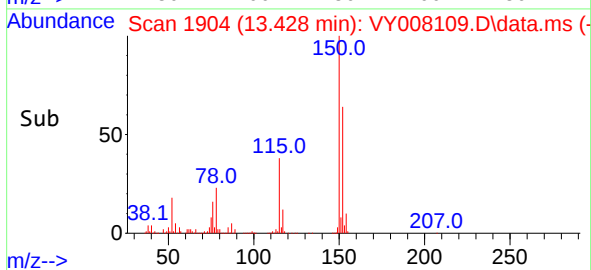
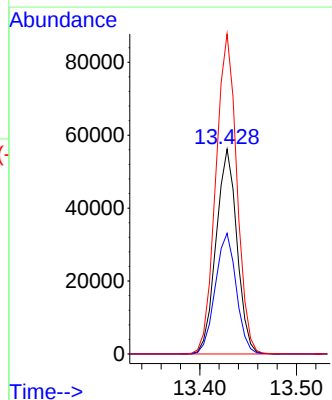
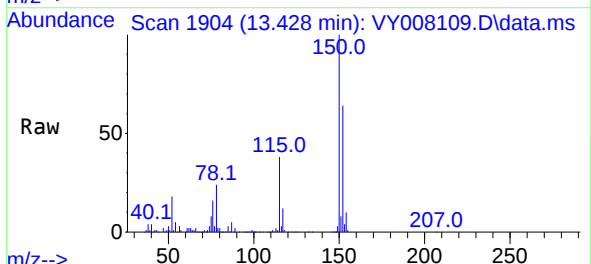
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

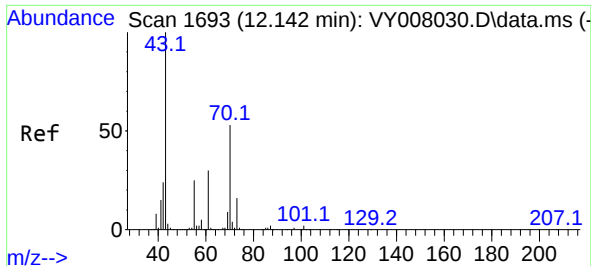
Tgt Ion:117 Resp: 191079
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 33.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion:152 Resp: 84263
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 157.3 0.0 347.6

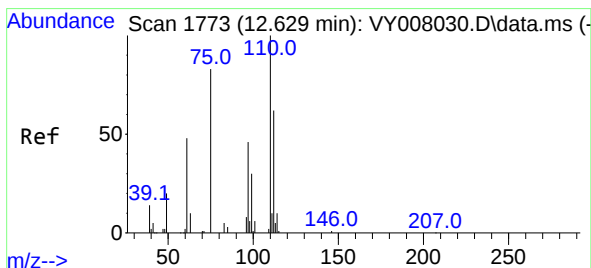
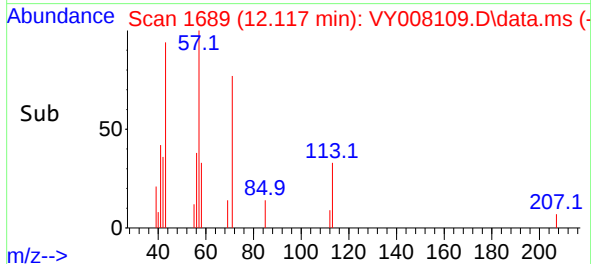
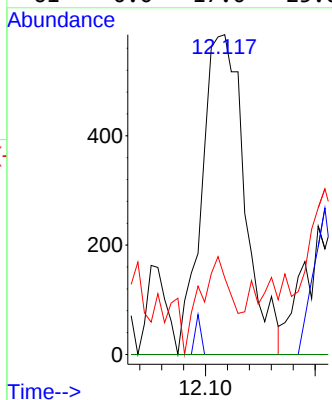
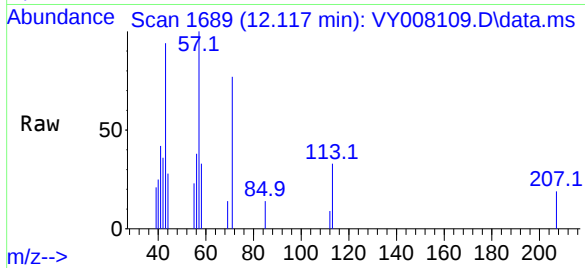




#74
N-amy1 acetate
Concen: 1.035 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

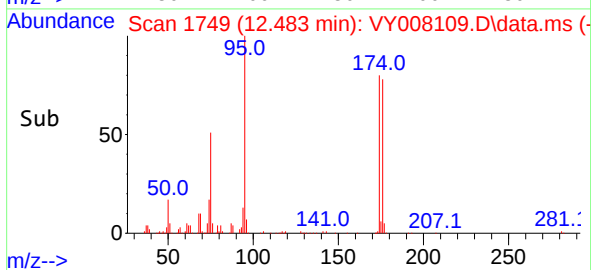
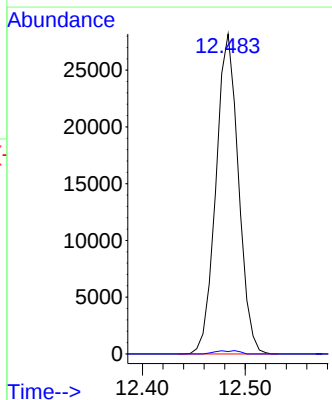
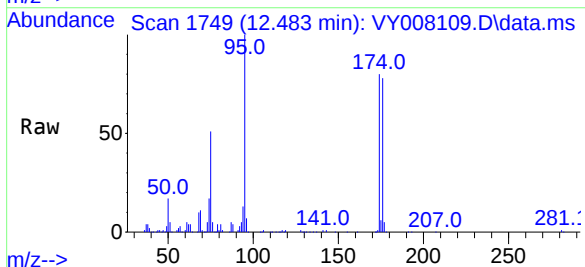
Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

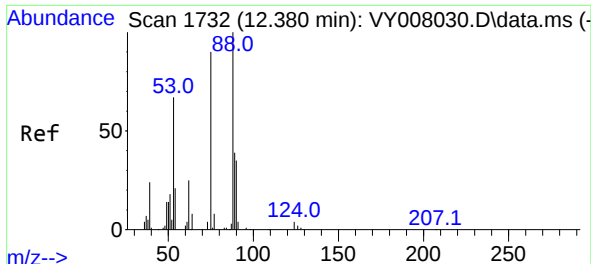
Tgt Ion:	43	Resp:	1583
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	21.9	17.3	25.9
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 41.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion:	75	Resp:	42721
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

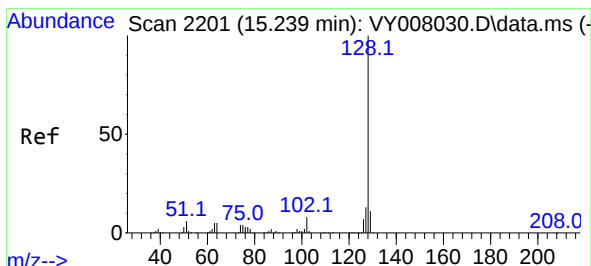
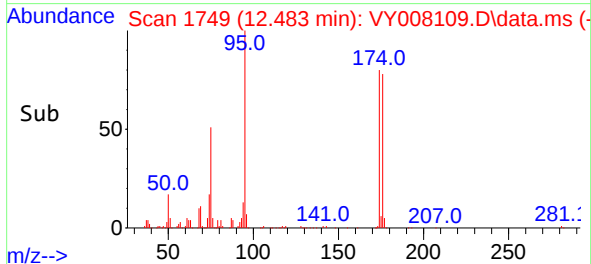
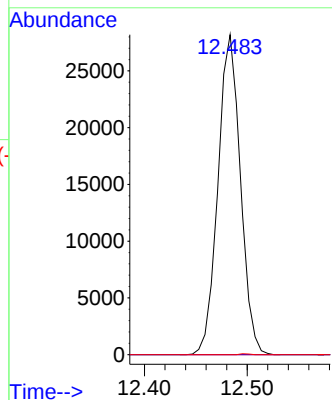
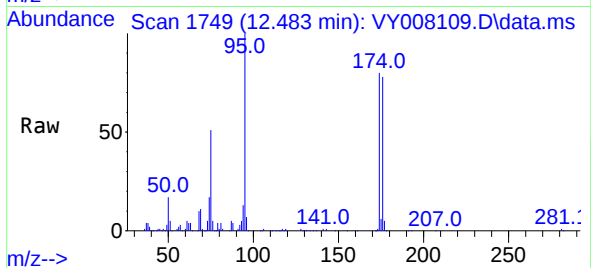




#81
trans-1,4-Dichloro-2-butene
Concen: 92.796 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :
22L076-A

Tgt Ion: 75 Resp: 42721
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.629 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY008109.D
Acq: 30 Mar 2022 14:31

Tgt Ion:128 Resp: 17067
Ion Ratio Lower Upper
128 100
127 14.0 11.0 16.4
129 11.9 8.4 12.6

