

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060622\
 Data File : VY009153.D
 Acq On : 06 Jun 2022 17:25
 Operator : KP/MD
 Sample : N3189-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:33:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	114105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	201226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	84130	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	72820	62.009	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.020%
35) Dibromofluoromethane	7.716	113	31123	24.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	49.740%#
50) Toluene-d8	10.173	98	249407	54.028	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.060%
62) 4-Bromofluorobenzene	12.477	95	74562	40.041	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.080%

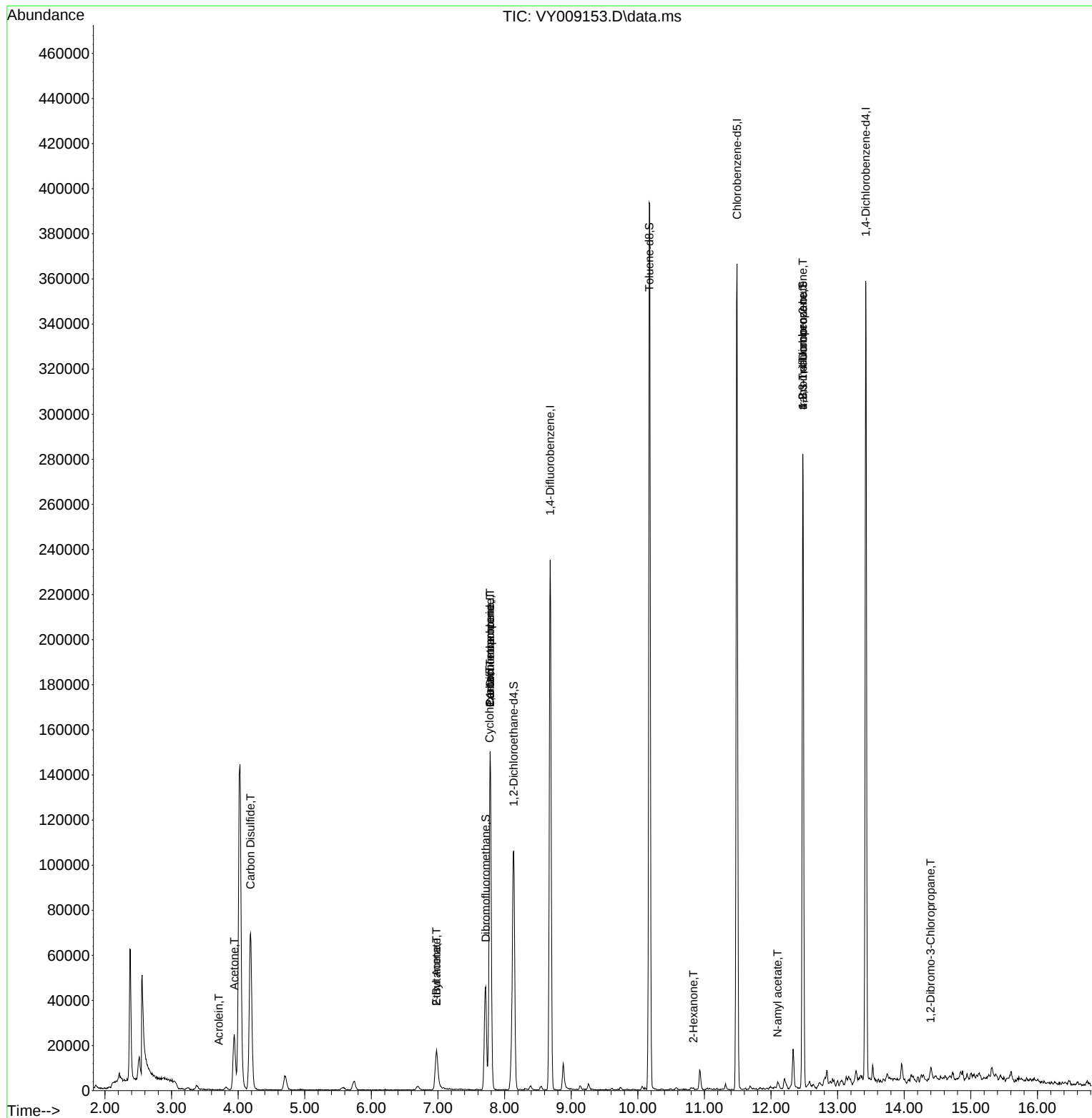
Target Compounds					Qvalue	
13) Acrolein	3.710	56	58	1.479	ug/l #	60
16) Acetone	3.942	43	41255	168.767	ug/l #	89
17) Carbon Disulfide	4.186	76	137347	39.172	ug/l	98
20) Methylene Chloride	4.710	84	4374	Below Cal	#	79
25) 2-Butanone	6.978	43	10091	23.112	ug/l	92
31) Cyclohexane	7.777	56	2778	1.209	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	9770	4.588	ug/l #	50
37) Ethyl Acetate	6.978	43	10091	9.135	ug/l #	81
38) Carbon Tetrachloride	7.783	117	11250	5.050	ug/l #	17
59) 2-Hexanone	10.837	43	1061	1.363	ug/l	73
74) N-amyl acetate	12.099	43	2027	1.397	ug/l #	63
76) 1,2,3-Trichloropropane	12.477	75	42788	47.360	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	42788	97.207	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.397	75	1233	6.129	ug/l #	6

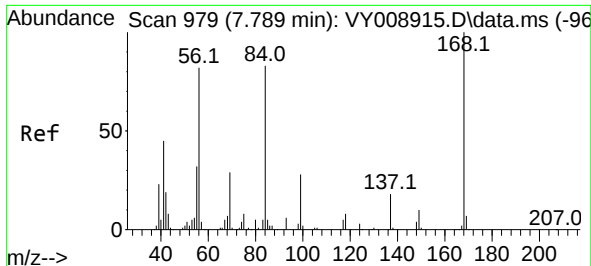
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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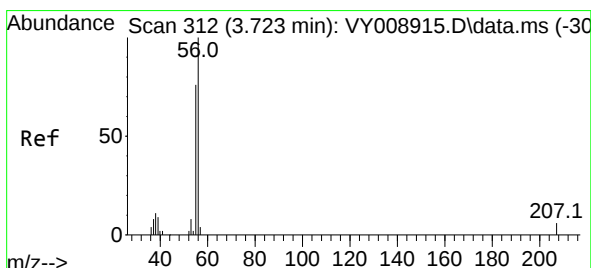
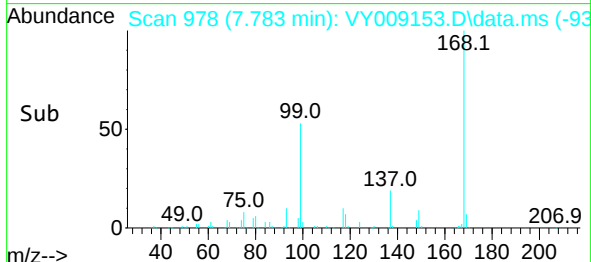
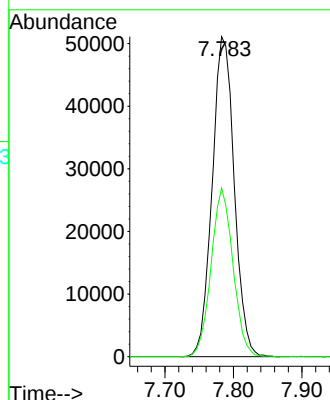
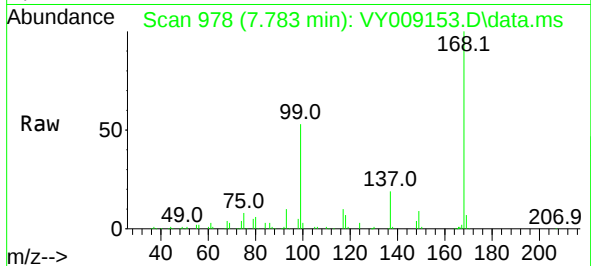




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

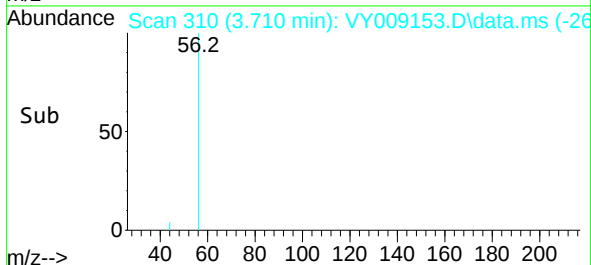
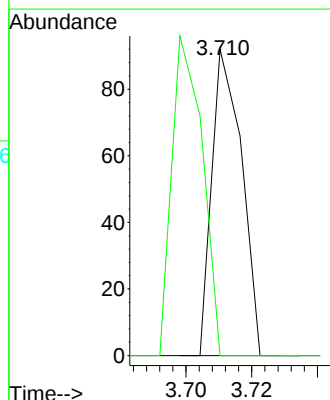
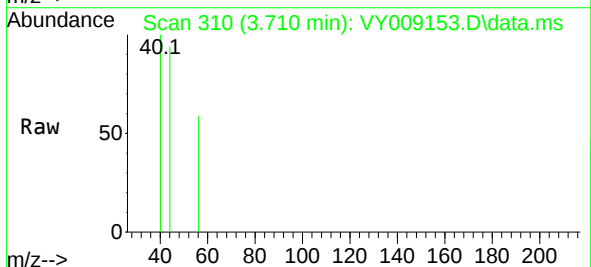
Instrument :
MSVOA_Y
ClientSampleId :

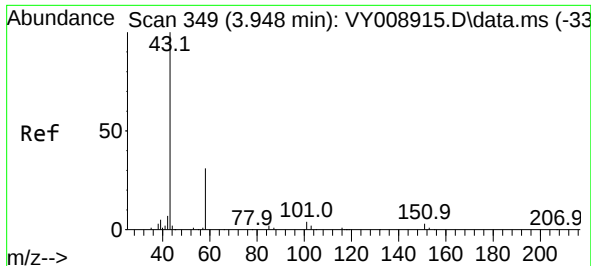
Tgt Ion:168 Resp: 114105
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#13
Acrolein
Concen: 1.479 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.013 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 105.2 57.6 86.4#

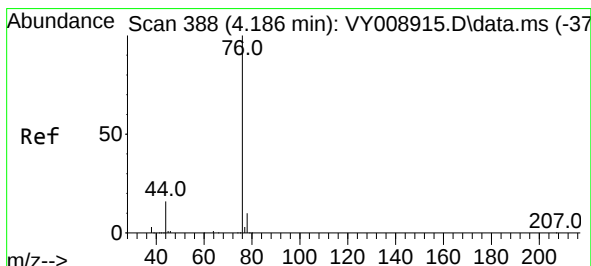
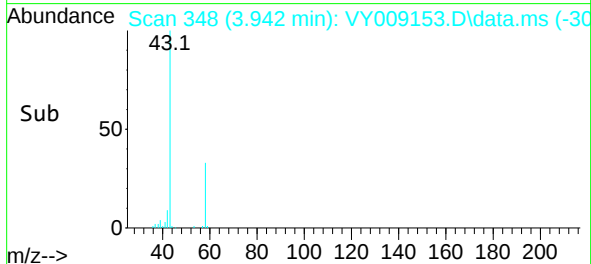
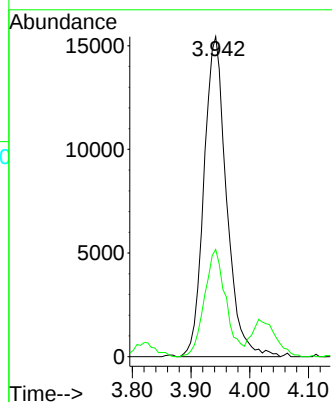
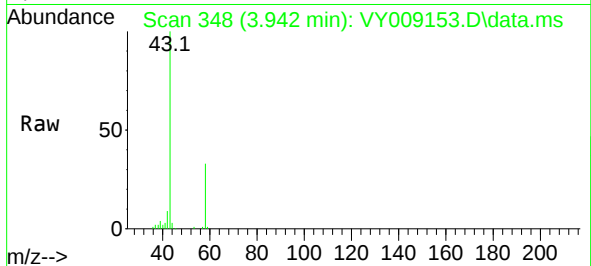




#16
Acetone
Concen: 168.767 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

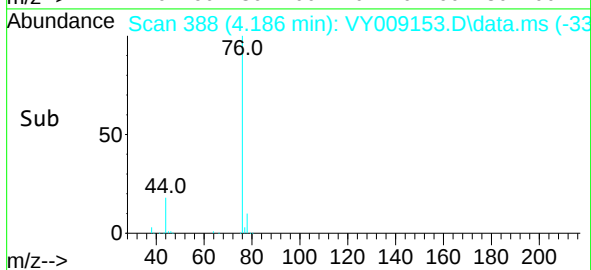
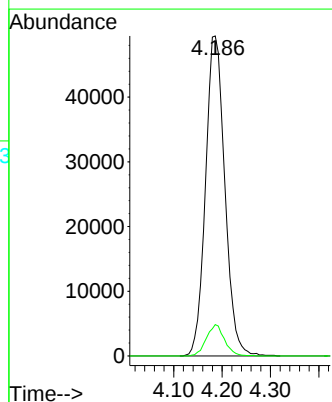
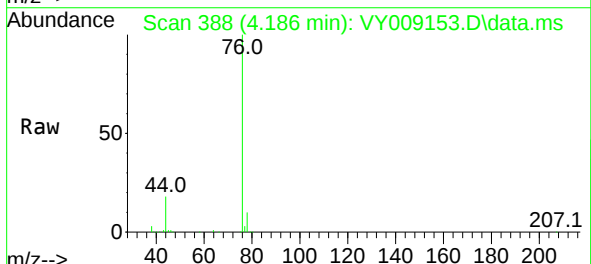
Instrument :
MSVOA_Y
ClientSampleId :

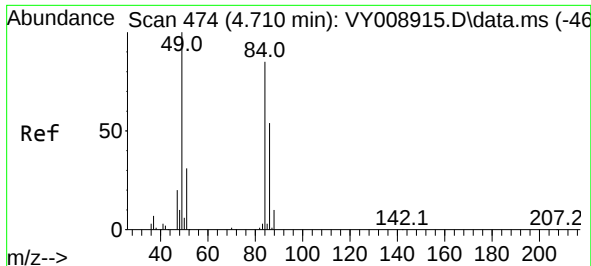
Tgt Ion: 43 Resp: 41255
Ion Ratio Lower Upper
43 100
58 33.5 22.0 33.0#



#17
Carbon Disulfide
Concen: 39.172 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion: 76 Resp: 137347
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

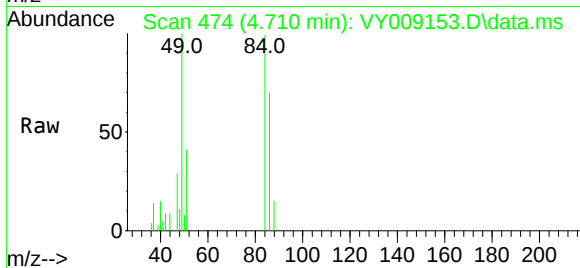
Lab File: VY009153.D

Acq: 06 Jun 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 4374

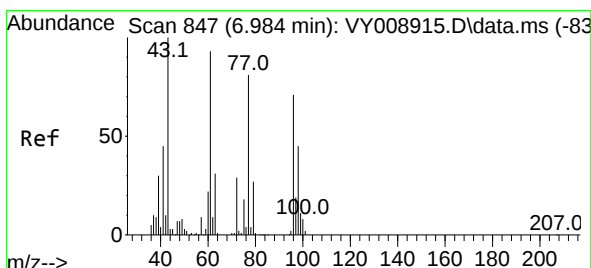
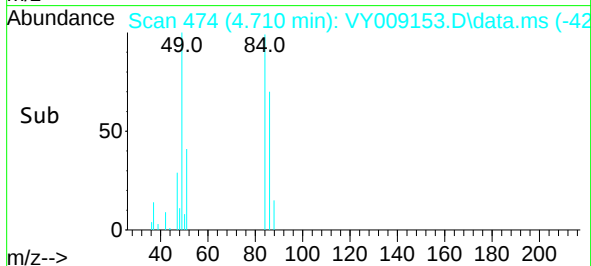
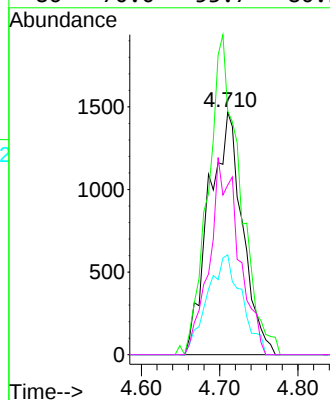
Ion Ratio Lower Upper

84 100

49 100.6 114.4 171.6#

51 41.2 35.3 52.9

86 70.0 53.7 80.5



#25

2-Butanone

Concen: 23.112 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY009153.D

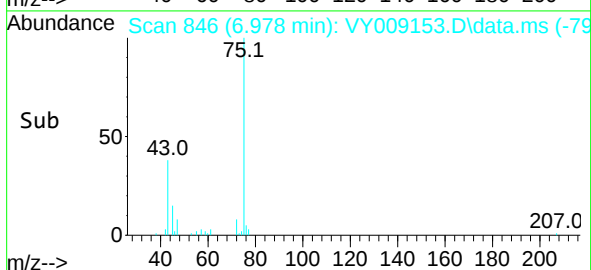
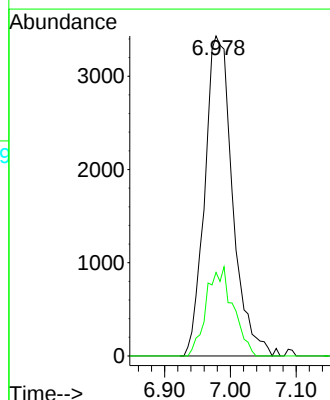
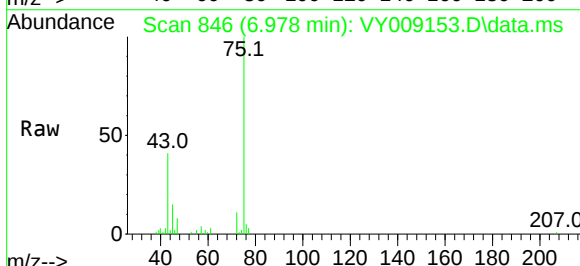
Acq: 06 Jun 2022 17:25

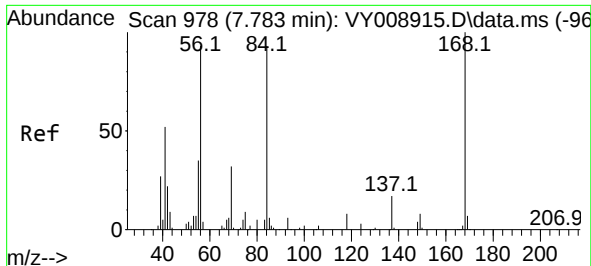
Tgt Ion: 43 Resp: 10091

Ion Ratio Lower Upper

43 100

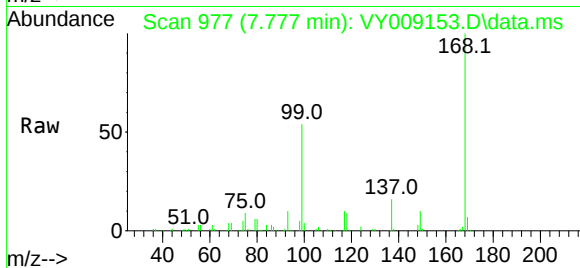
72 26.1 17.7 26.5



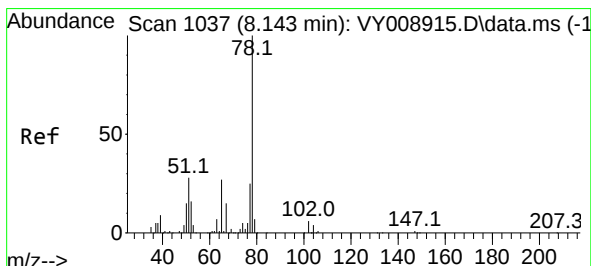
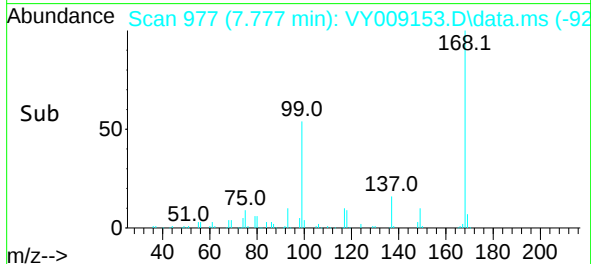
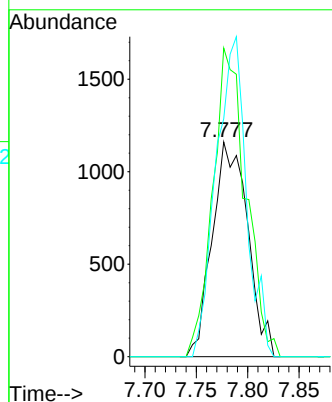


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

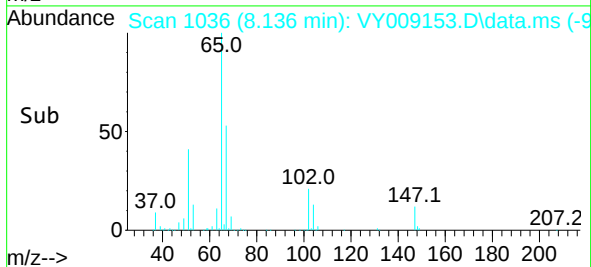
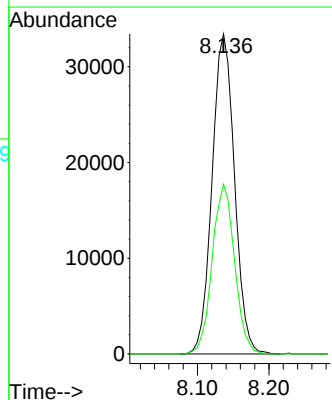
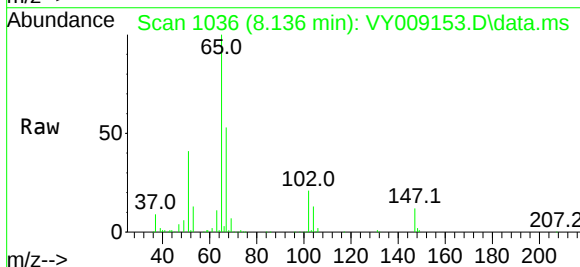


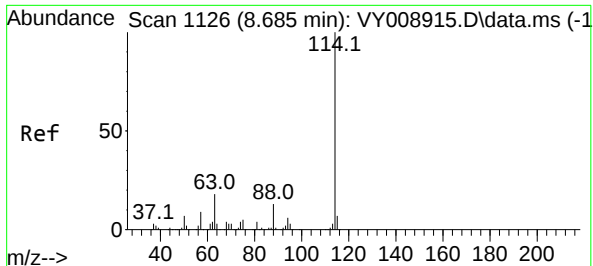
Tgt Ion: 56 Resp: 2778
Ion Ratio Lower Upper
56 100
69 143.8 26.7 40.1#
84 110.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.009 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion: 65 Resp: 72820
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009153.D

Acq: 06 Jun 2022 17:25

Instrument :

MSVOA_Y

ClientSampleId :

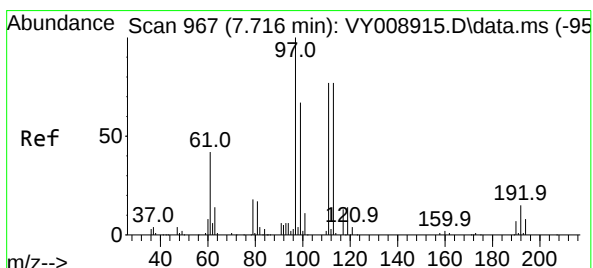
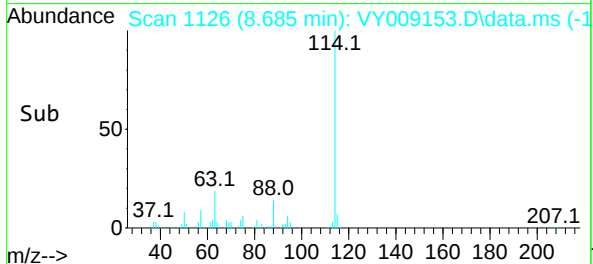
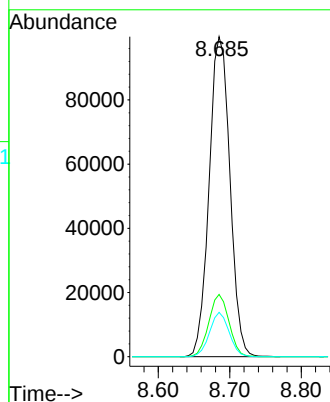
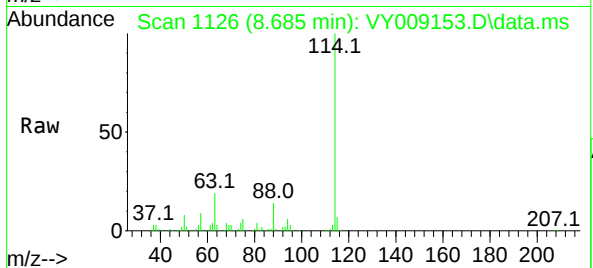
Tgt Ion:114 Resp: 201226

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 24.872 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009153.D

Acq: 06 Jun 2022 17:25

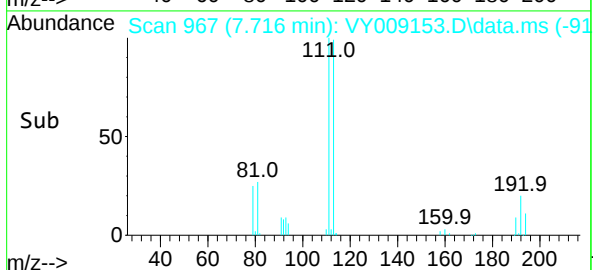
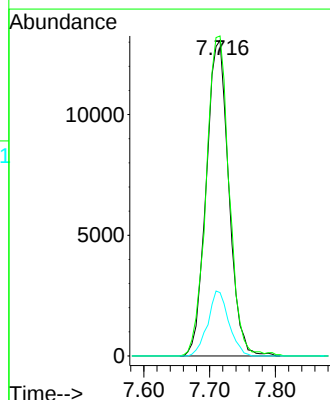
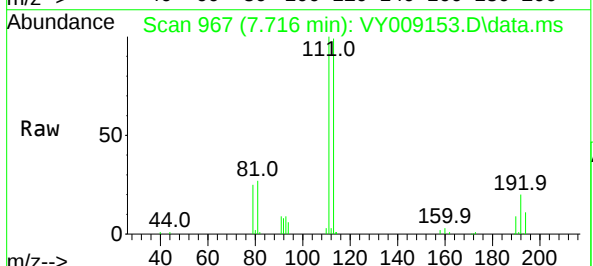
Tgt Ion:113 Resp: 31123

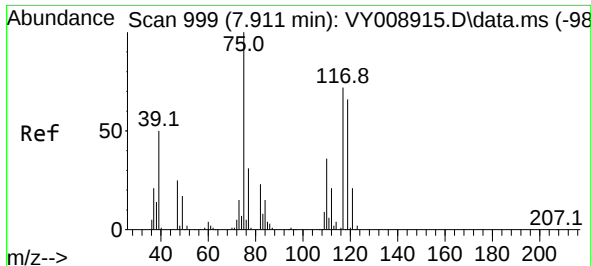
Ion Ratio Lower Upper

113 100

111 103.5 82.6 124.0

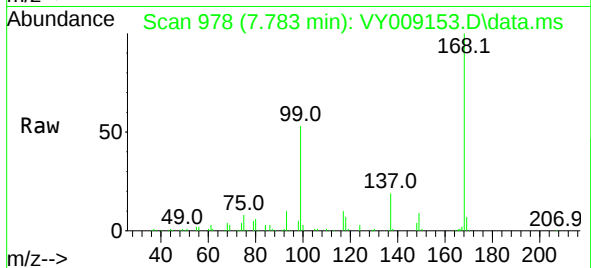
192 19.2 17.6 26.4



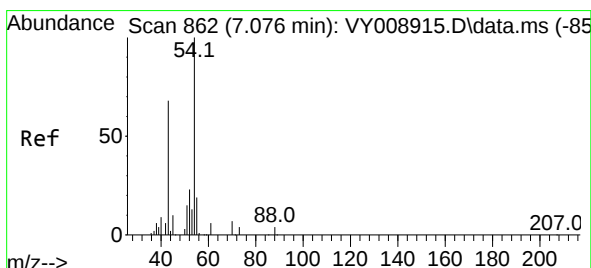
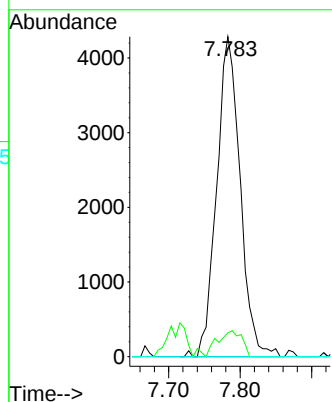
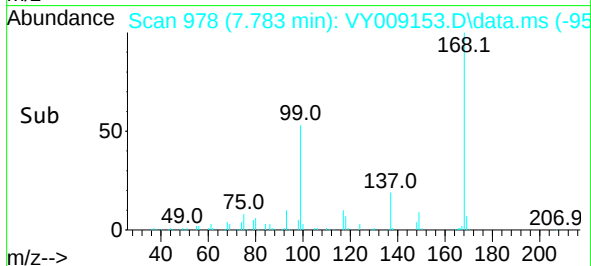


#36
1,1-Dichloropropene
Concen: 4.588 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

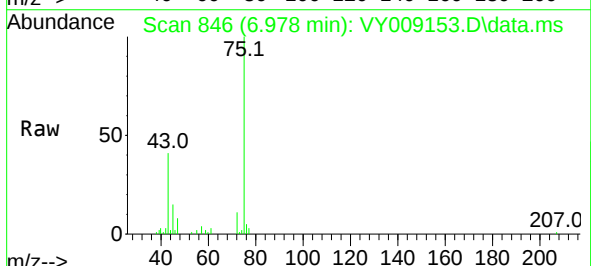
Instrument :
MSVOA_Y
ClientSampleId :



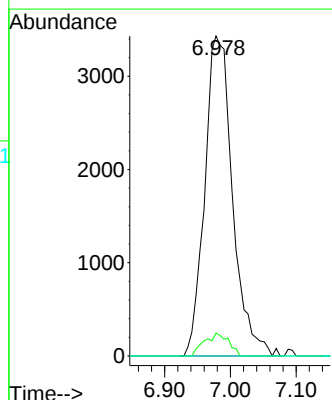
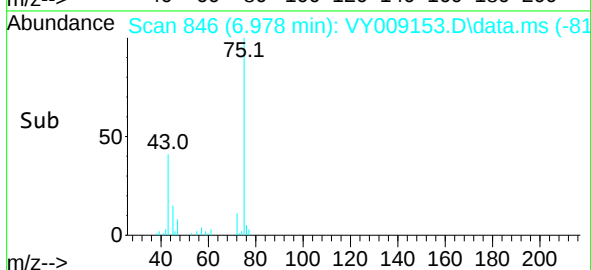
Tgt Ion: 75 Resp: 9770
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

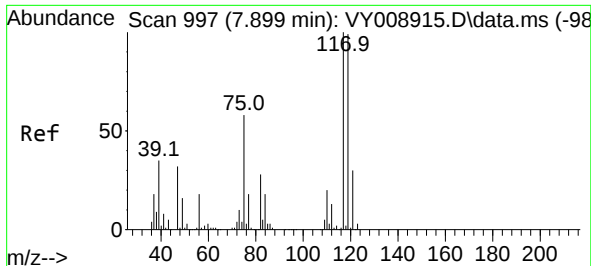


#37
Ethyl Acetate
Concen: 9.135 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25



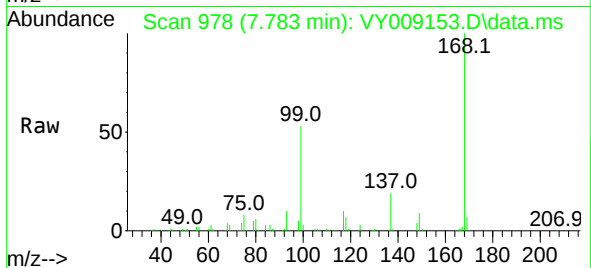
Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
61 6.2 9.7 14.5#
70 0.0 7.1 10.7#



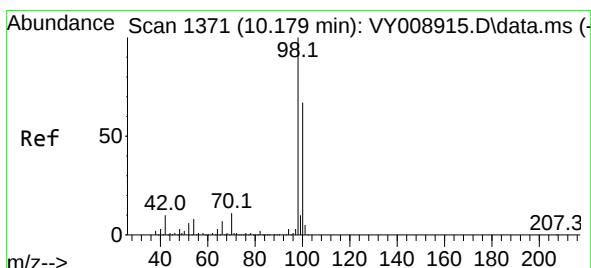
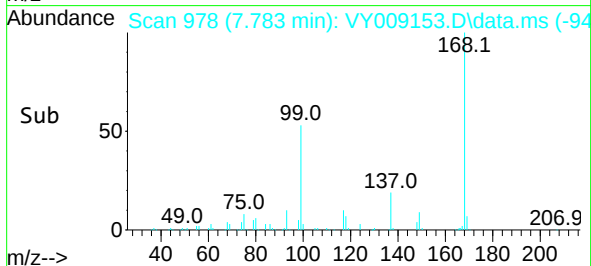
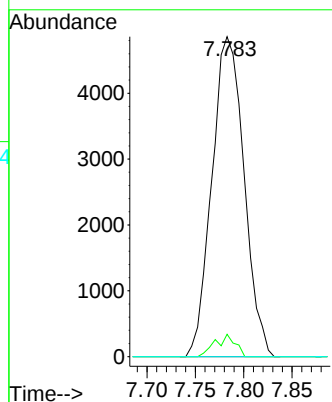


#38
Carbon Tetrachloride
Concen: 5.050 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

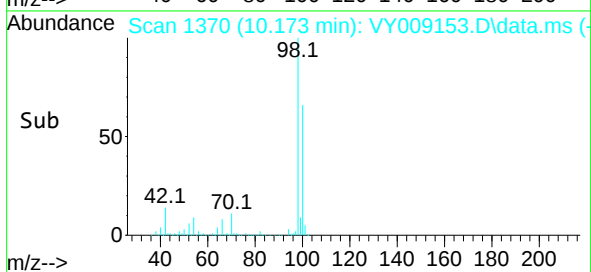
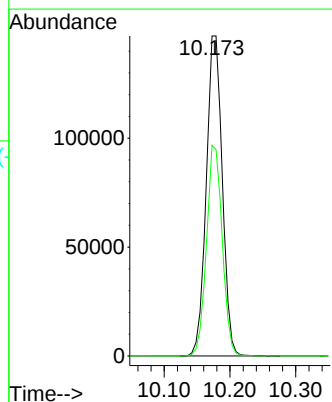
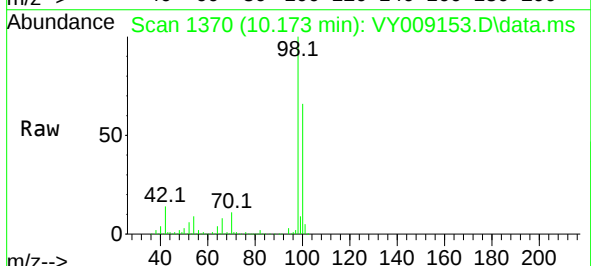


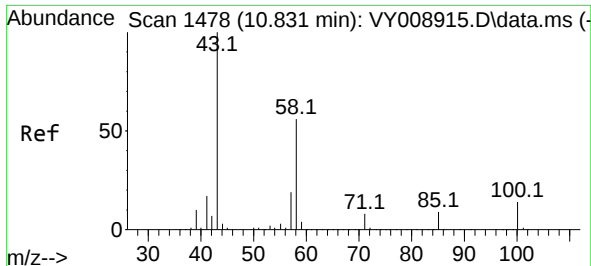
Tgt Ion:117 Resp: 11250
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.028 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion: 98 Resp: 249407
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2





#59

2-Hexanone

Concen: 1.363 ug/l

RT: 10.837 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VY009153.D

Acq: 06 Jun 2022 17:25

Instrument :

MSVOA_Y

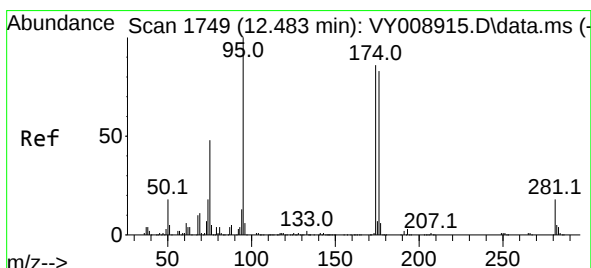
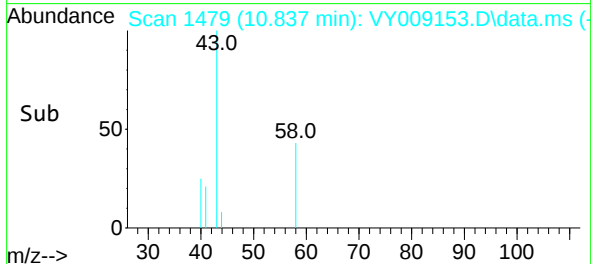
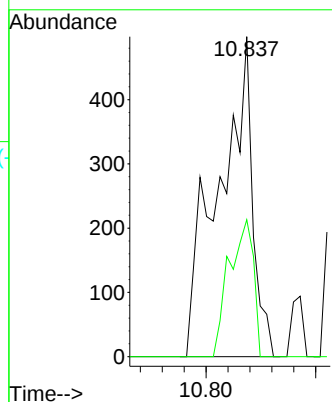
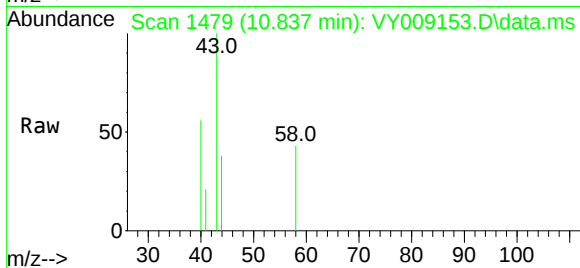
ClientSampleId :

Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

58 30.8 24.4 73.4



#62

4-Bromofluorobenzene

Concen: 40.041 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY009153.D

Acq: 06 Jun 2022 17:25

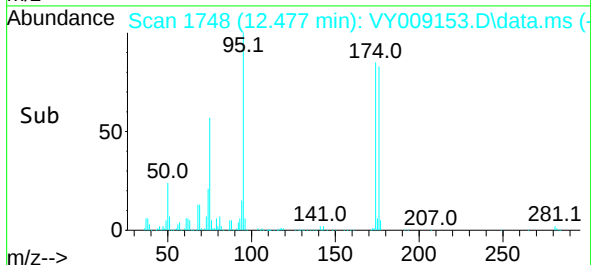
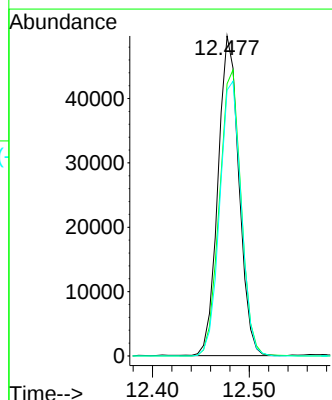
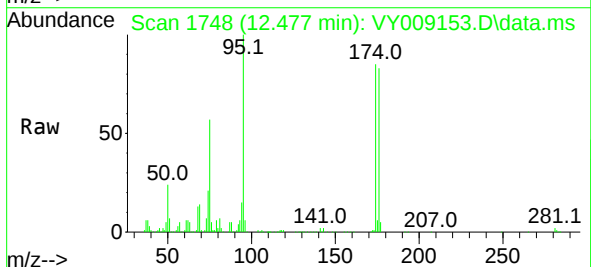
Tgt Ion: 95 Resp: 74562

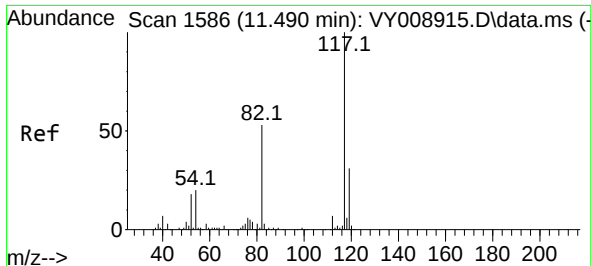
Ion Ratio Lower Upper

95 100

174 92.0 0.0 177.0

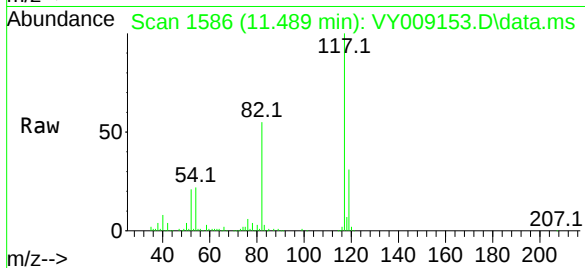
176 87.9 0.0 175.8



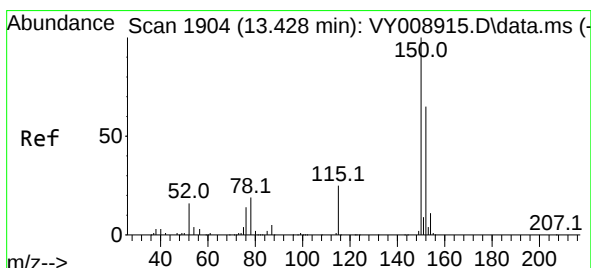
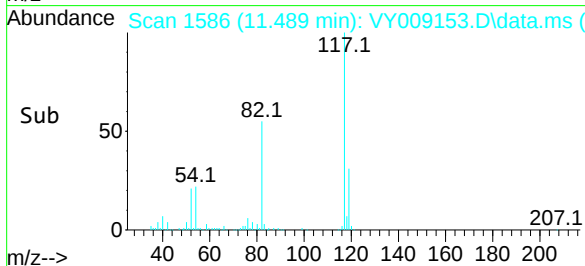
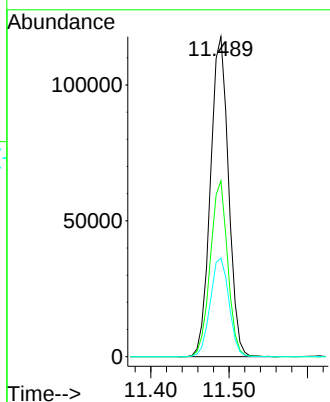


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

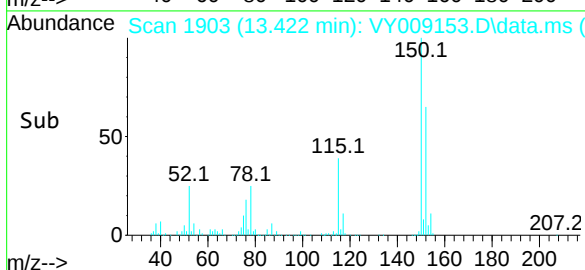
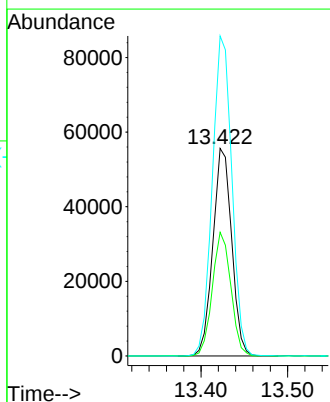
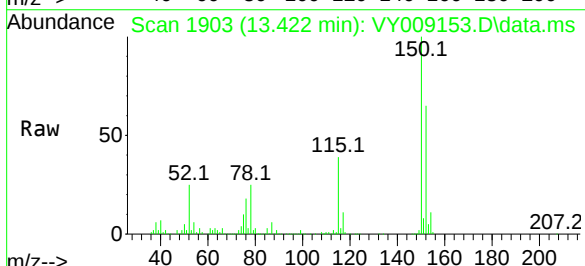


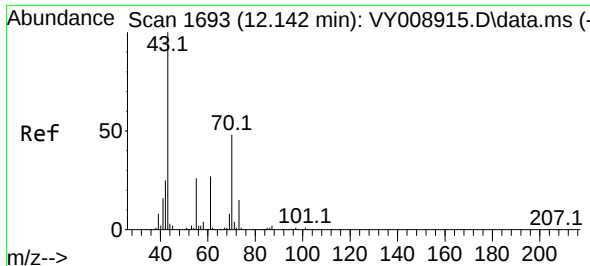
Tgt Ion:117 Resp: 188441
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 30.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

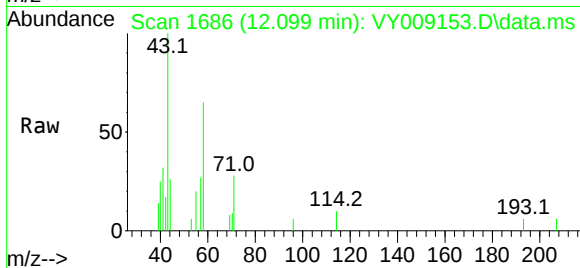
Tgt Ion:152 Resp: 84130
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 159.3 0.0 347.6



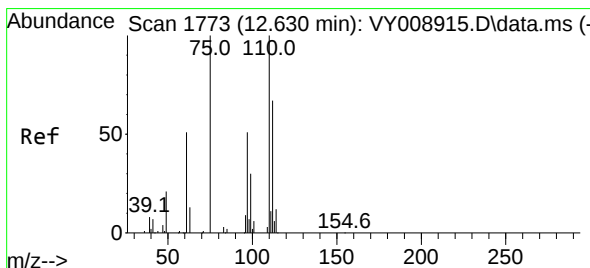
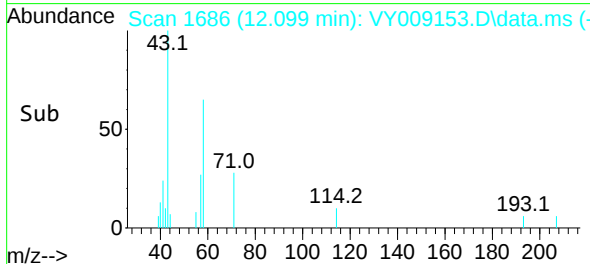
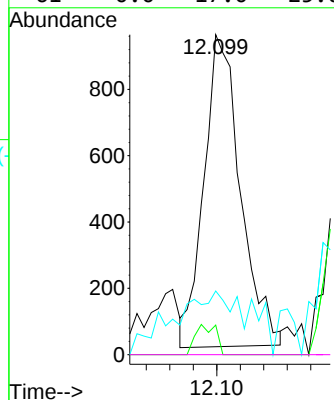


#74
N-amy1 acetate
Concen: 1.397 ug/l
RT: 12.099 min Scan# 1748
Delta R.T. -0.043 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

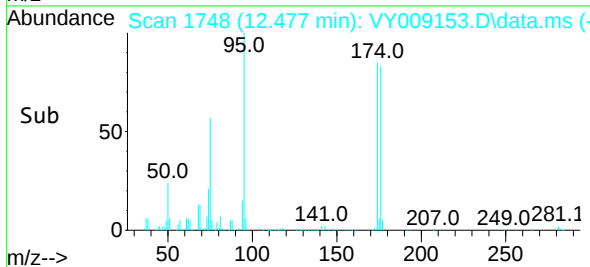
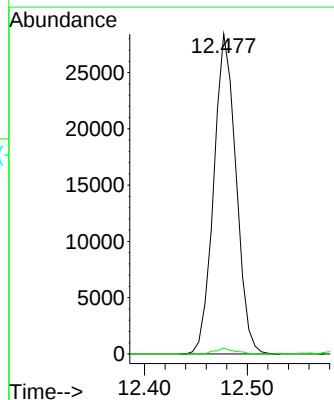
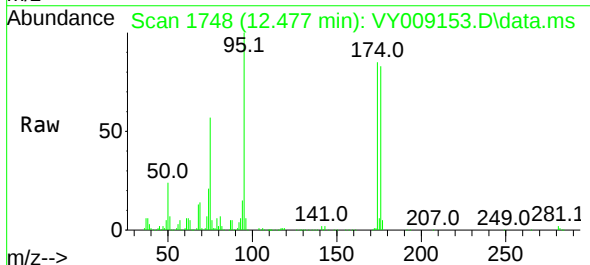


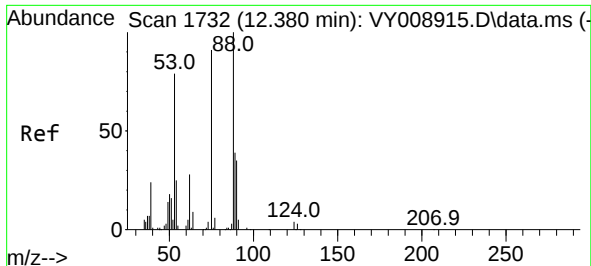
Tgt Ion:	43	Resp:	2027
Ion	Ratio	Lower	Upper
43	100		
70	5.4	28.7	43.1#
55	19.4	17.3	25.9
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 47.360 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion:	75	Resp:	42788
Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

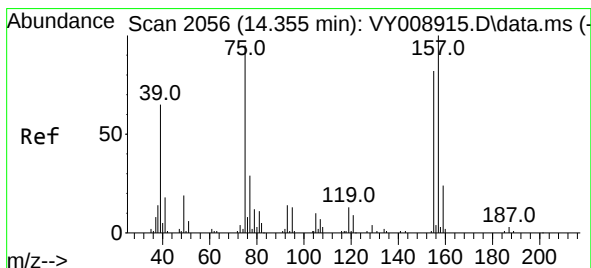
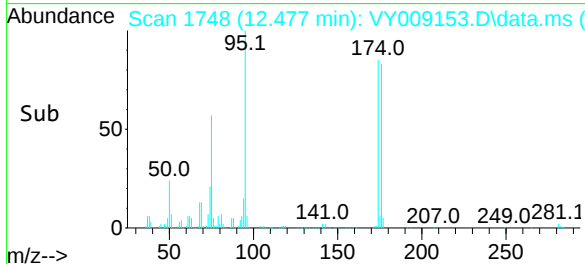
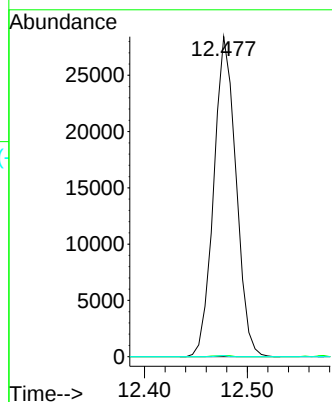
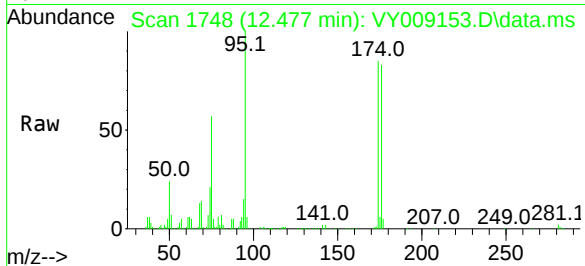




#81
trans-1,4-Dichloro-2-butene
Concen: 97.207 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 42788
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.1 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.129 ug/l
RT: 14.397 min Scan# 2063
Delta R.T. 0.042 min
Lab File: VY009153.D
Acq: 06 Jun 2022 17:25

Tgt Ion: 75 Resp: 1233
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

