

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110624\
 Data File : VY020180.D
 Acq On : 06 Nov 2024 14:43
 Operator : SY/MD
 Sample : P4667-03
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 00:26:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	10591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	17558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	12323	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2907	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6457	48.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.700%
35) Dibromofluoromethane	7.640	113	5931	53.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.260%
50) Toluene-d8	10.109	98	19907	44.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.600%
62) 4-Bromofluorobenzene	12.408	95	3882	26.896	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	53.800%

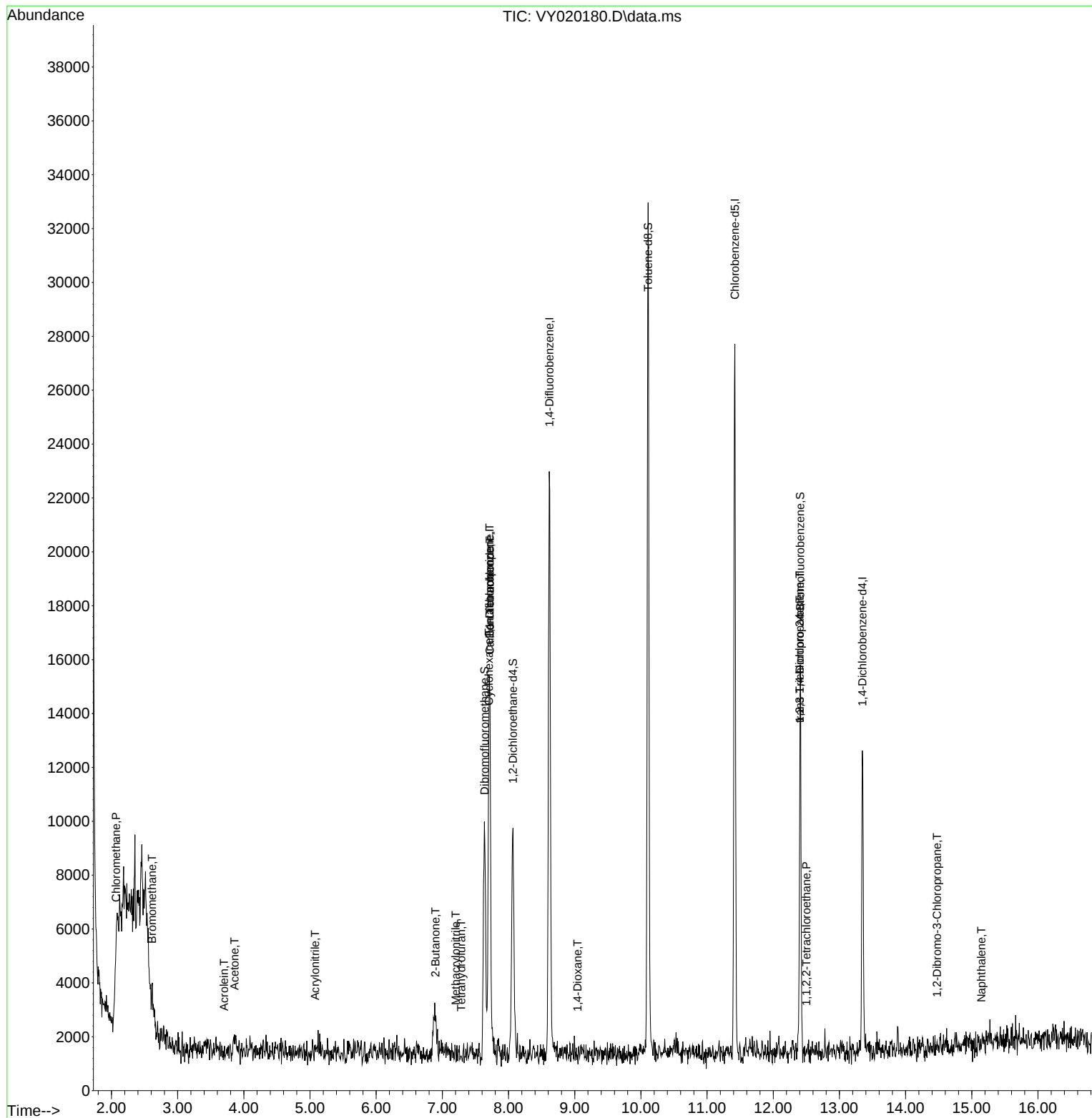
Target Compounds			Qvalue			
3) Chloromethane	2.068	50	180	1.108	ug/l #	43
5) Bromomethane	2.611	94	140	1.210	ug/l #	1
13) Acrolein	3.702	56	92	7.773	ug/l #	61
15) Acrylonitrile	5.080	53	60	2.219	ug/l #	1
16) Acetone	3.860	43	669	21.763	ug/l	98
25) 2-Butanone	6.896	43	362	8.688	ug/l #	41
29) Tetrahydrofuran	7.287	42	69	2.869	ug/l #	26
31) Cyclohexane	7.701	56	308	1.284	ug/l #	56
36) 1,1-Dichloropropene	7.713	75	798	4.628	ug/l #	44
38) Carbon Tetrachloride	7.719	117	679	3.916	ug/l #	21
41) Methacrylonitrile	7.201	41	43	1.044	ug/l #	15
49) 1,4-Dioxane	9.042	88	23	34.236	ug/l #	20
75) 1,1,2,2-Tetrachloroethane	12.499	83	77	1.896	ug/l #	26
76) 1,2,3-Trichloropropane	12.402	75	2393	87.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	2393	188.890	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.474	75	21	3.409	ug/l #	1
95) Naphthalene	15.145	128	202	2.426	ug/l #	69

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110624\
Data File : VY020180.D
Acq On : 06 Nov 2024 14:43
Operator : SY/MD
Sample : P4667-03
Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 07 00:26:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

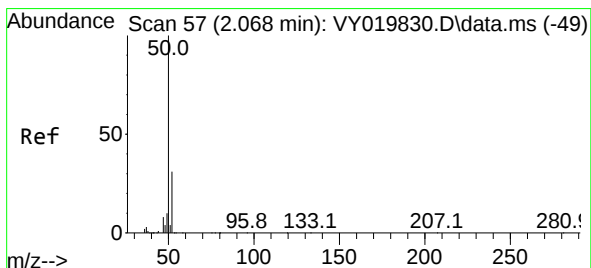
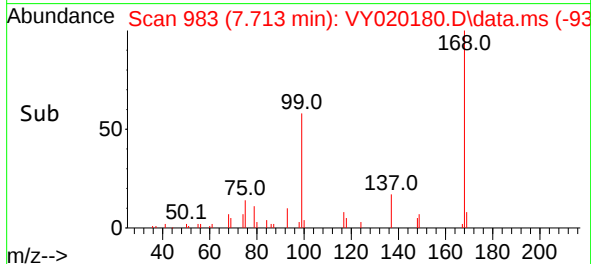
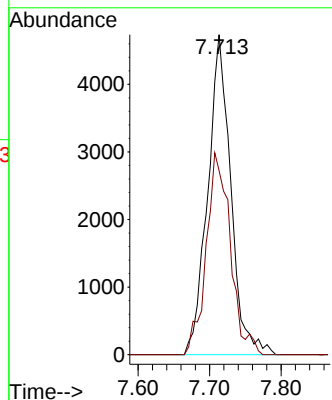
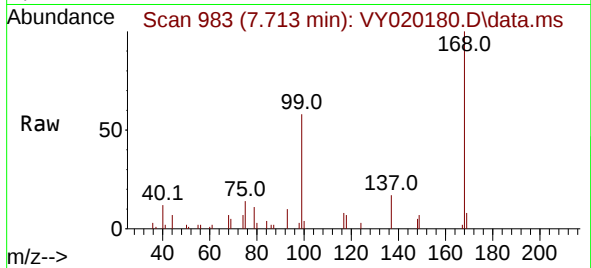




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

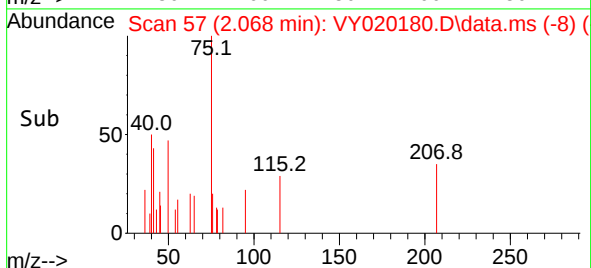
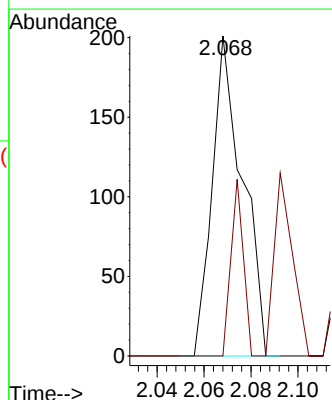
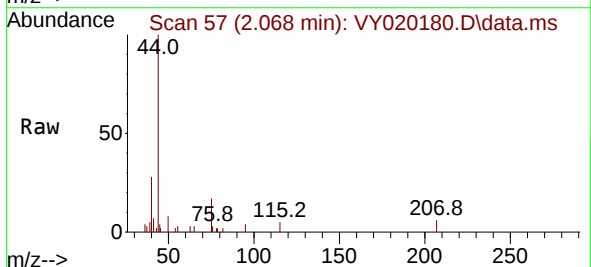
Instrument :
MSVOA_Y
ClientSampleId :

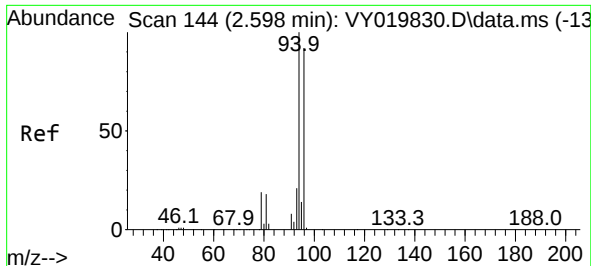
Tgt Ion:168 Resp: 10591
Ion Ratio Lower Upper
168 100
99 57.5 39.1 58.7



#3
Chloromethane
Concen: 1.108 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

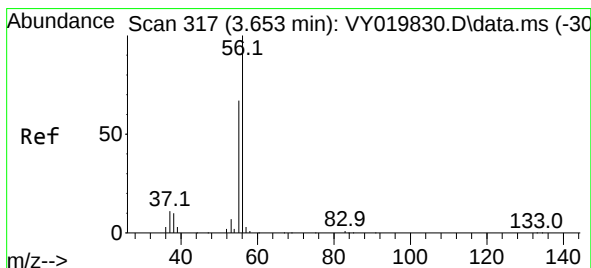
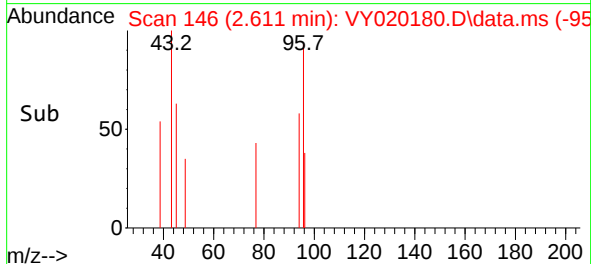
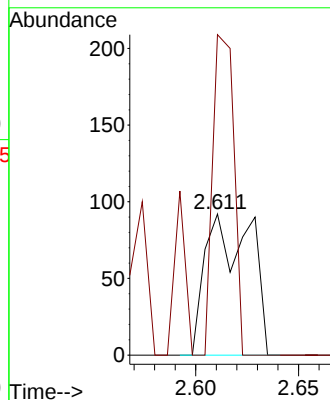
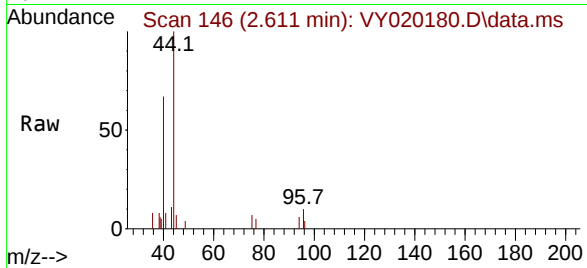




#5
Bromomethane
Concen: 1.210 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.013 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

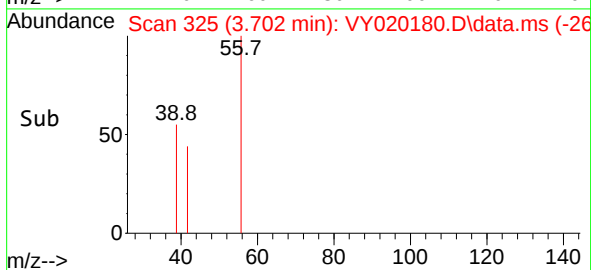
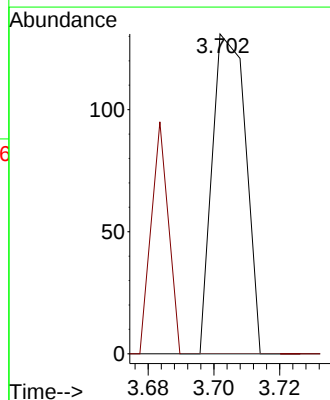
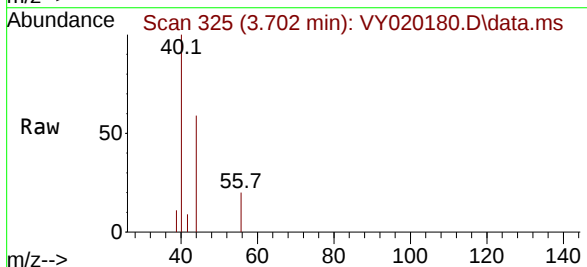
Instrument :
MSVOA_Y
ClientSampleId :

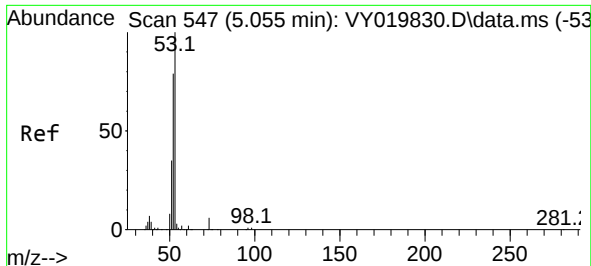
Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 227.2 74.1 111.1#



#13
Acrolein
Concen: 7.773 ug/l
RT: 3.702 min Scan# 325
Delta R.T. 0.049 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

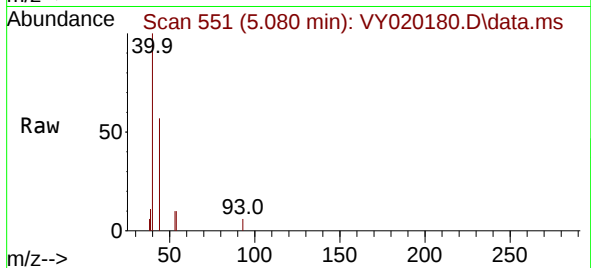
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 38.0 55.7 83.5#



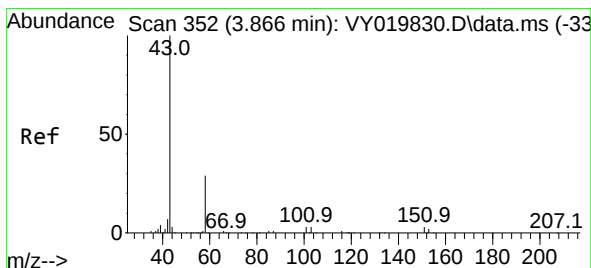
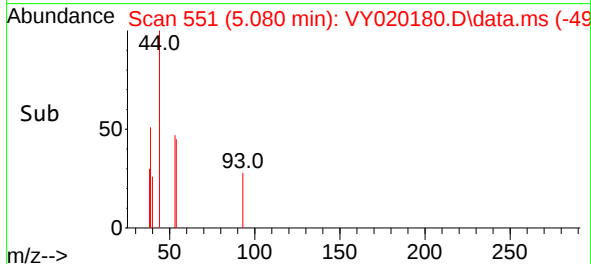
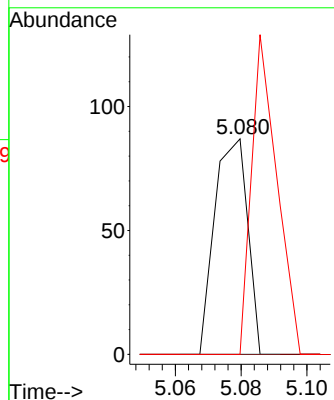


#15
Acrylonitrile
Concen: 2.219 ug/l
RT: 5.080 min Scan# 51
Delta R.T. 0.025 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :

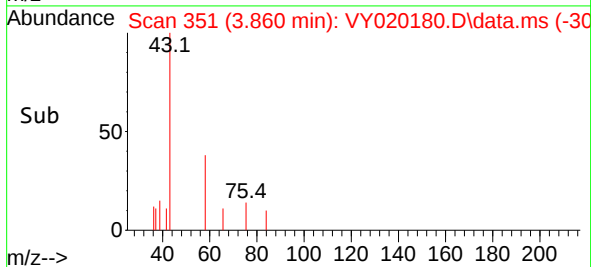
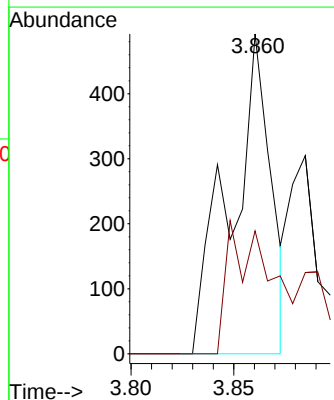
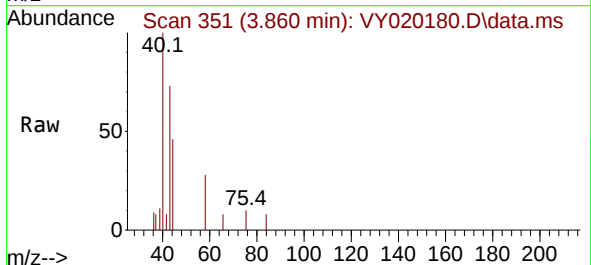


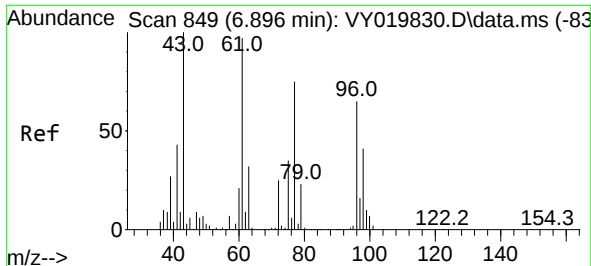
Tgt Ion: 53 Resp: 60
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 115.0 28.4 42.6#



#16
Acetone
Concen: 21.763 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 38.4 31.7 47.5





#25

2-Butanone

Concen: 8.688 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

Instrument :

MSVOA_Y

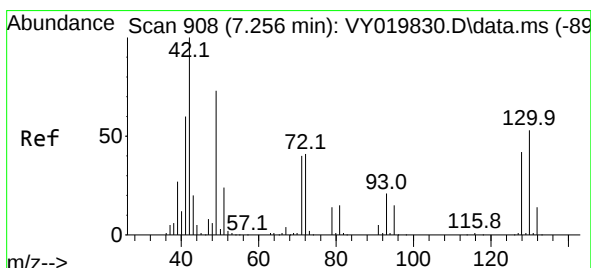
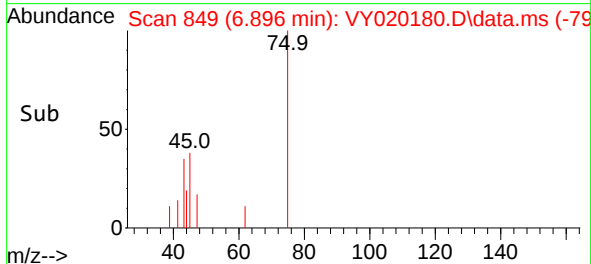
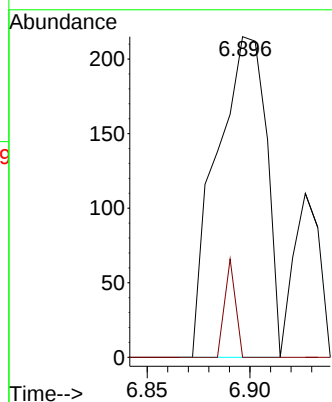
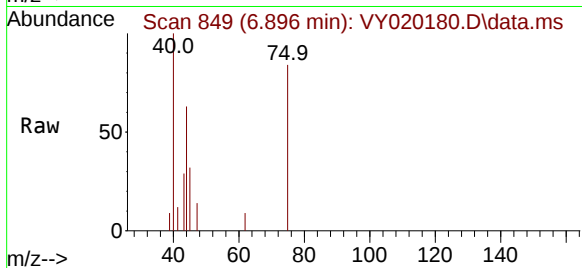
ClientSampleId :

Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 2.869 ug/l

RT: 7.287 min Scan# 913

Delta R.T. 0.025 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

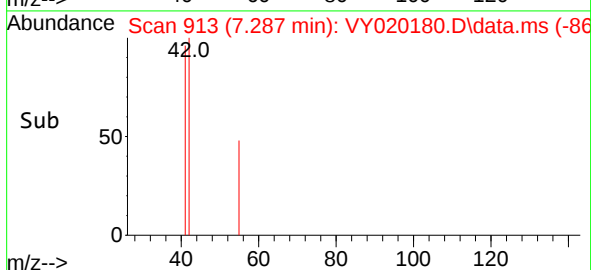
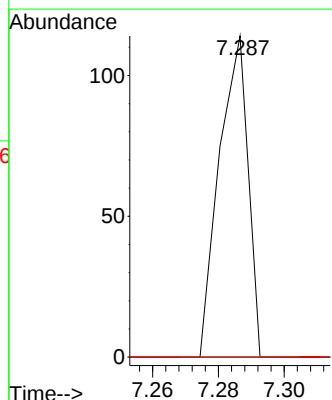
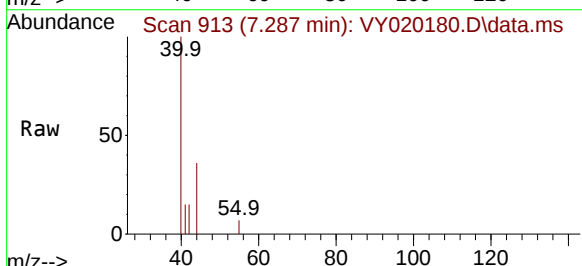
Tgt Ion: 42 Resp: 69

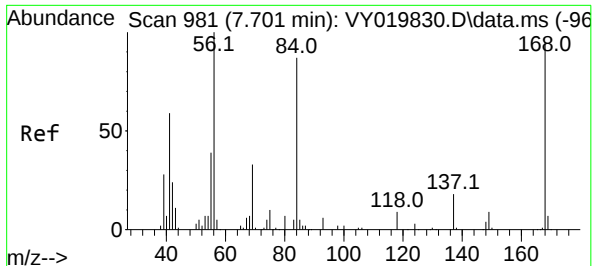
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

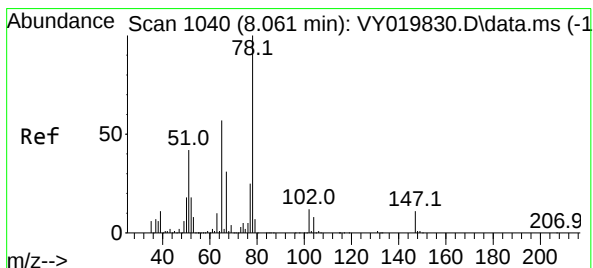
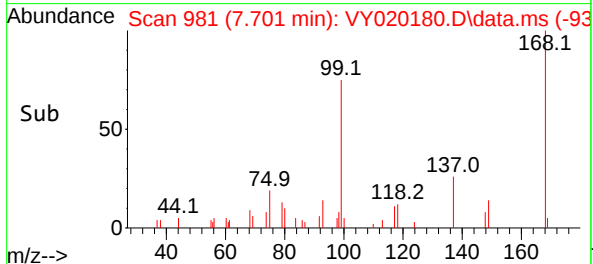
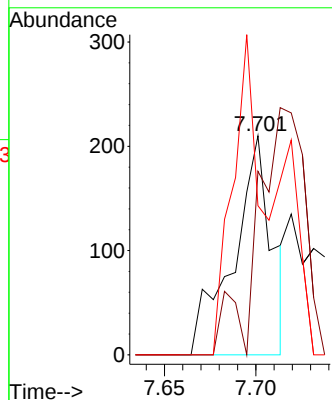
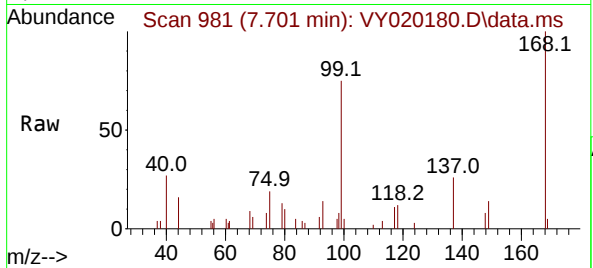




#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

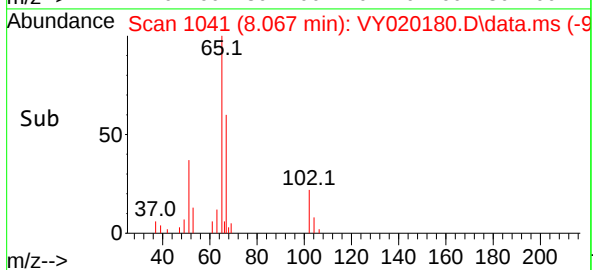
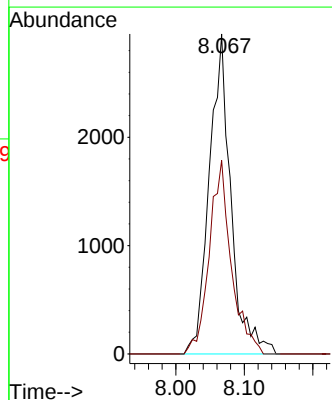
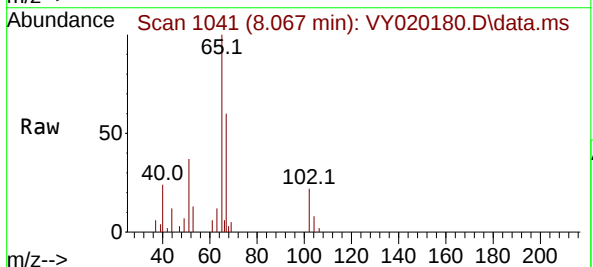
Instrument :
MSVOA_Y
ClientSampleId :

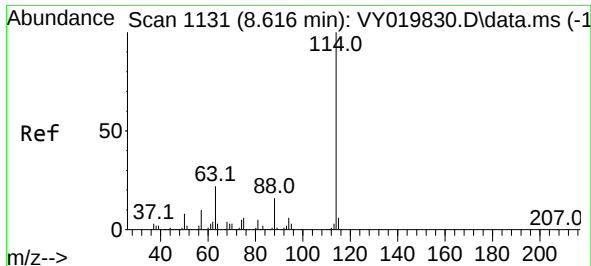
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
69 83.8 28.7 43.1#
84 68.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.849 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion: 65 Resp: 6457
Ion Ratio Lower Upper
65 100
67 61.6 0.0 109.6

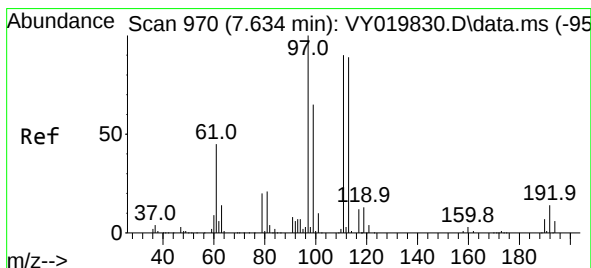
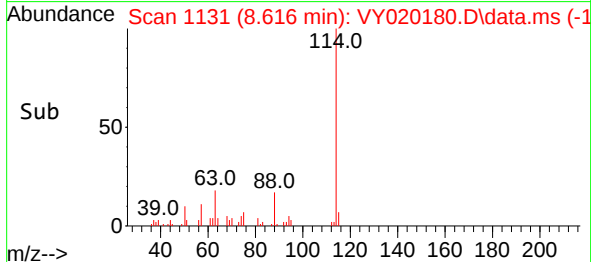
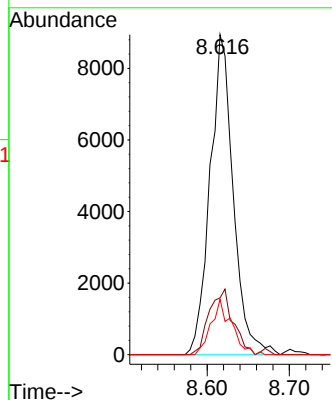
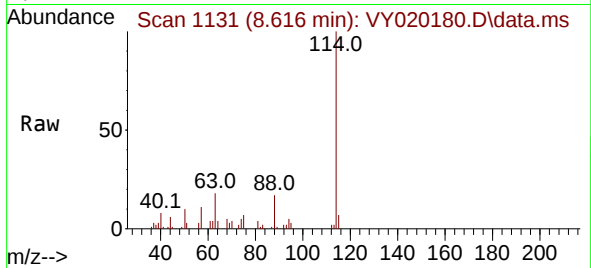




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

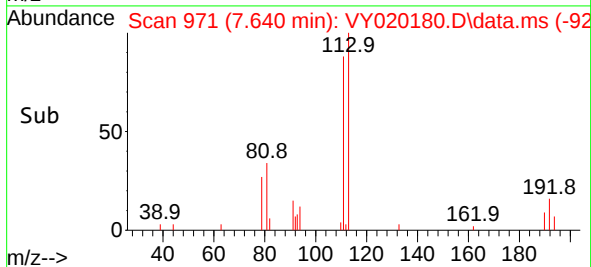
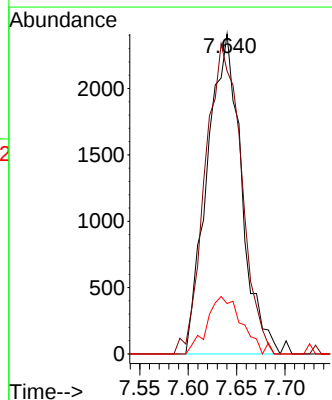
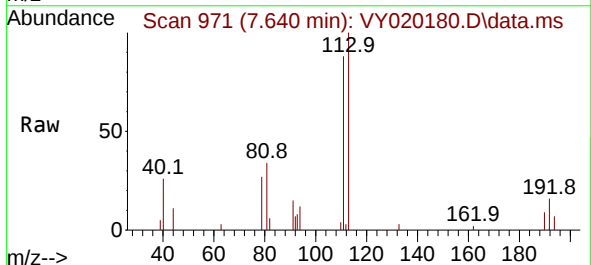
Instrument :
MSVOA_Y
ClientSampleId :

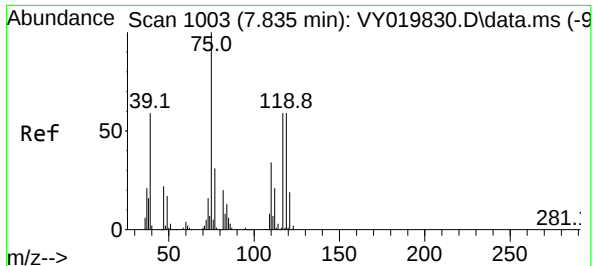
Tgt Ion:	114	Resp:	17558
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.0
88	17.3	0.0	27.2



#35
Dibromofluoromethane
Concen: 53.130 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion:	113	Resp:	5931
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	18.5	15.9	23.9





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

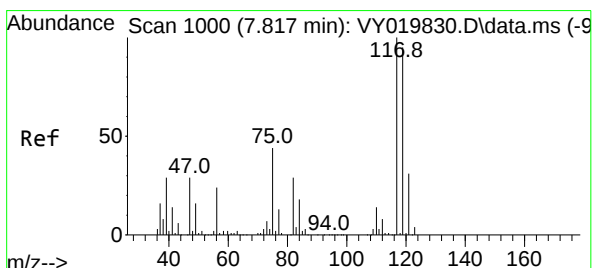
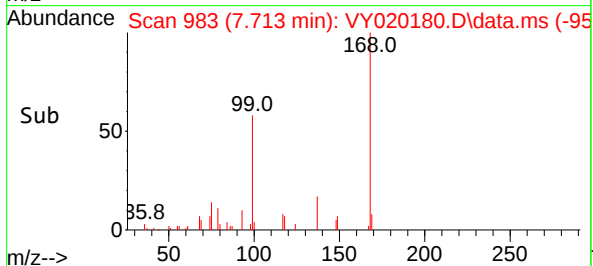
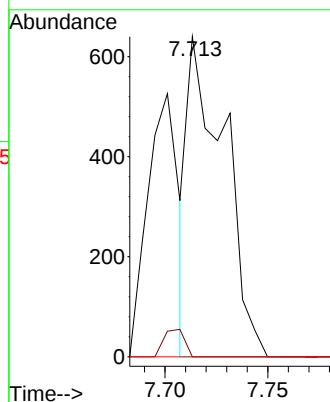
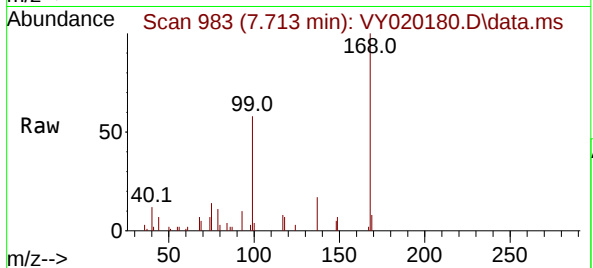
Tgt Ion: 75 Resp: 798

Ion Ratio Lower Upper

75 100

110 4.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 3.916 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.097 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

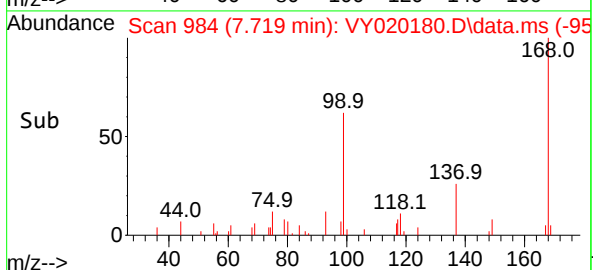
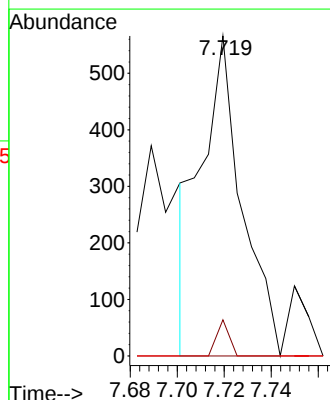
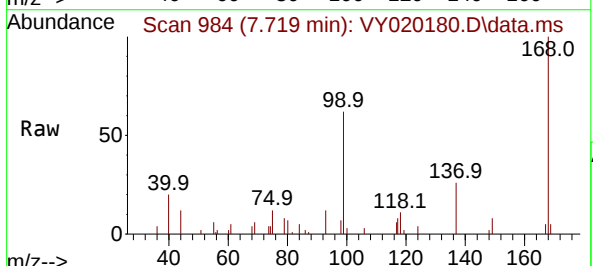
Tgt Ion: 117 Resp: 679

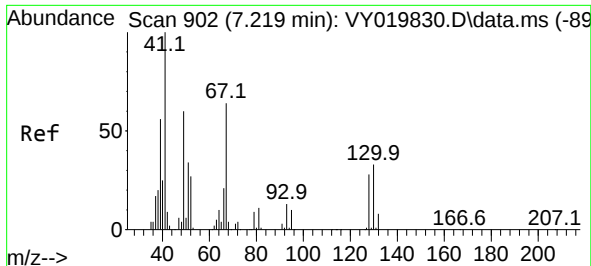
Ion Ratio Lower Upper

117 100

119 11.3 75.8 113.6#

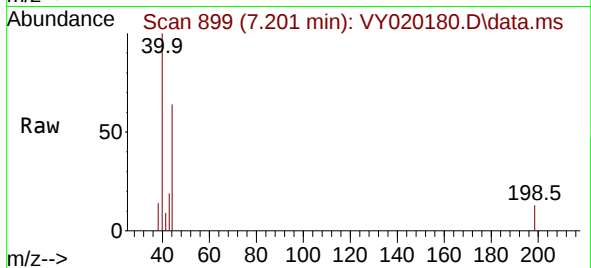
121 0.0 24.0 36.0#



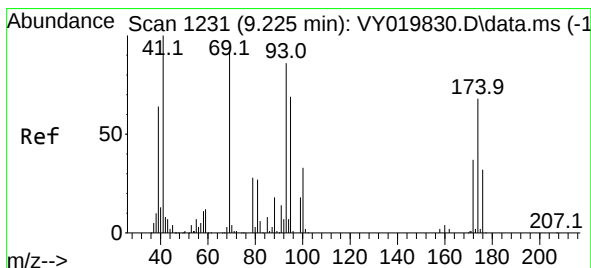
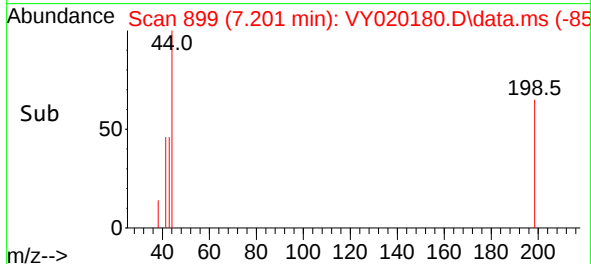
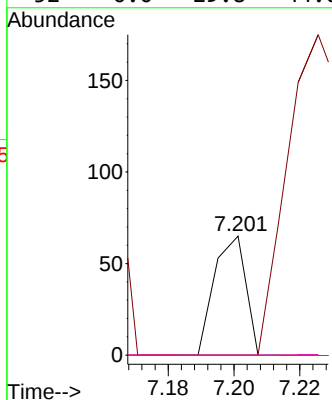


#41
Methacrylonitrile
Concen: 1.044 ug/l
RT: 7.201 min Scan# 89
Delta R.T. -0.018 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :

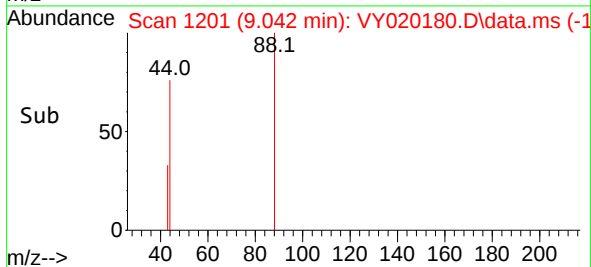
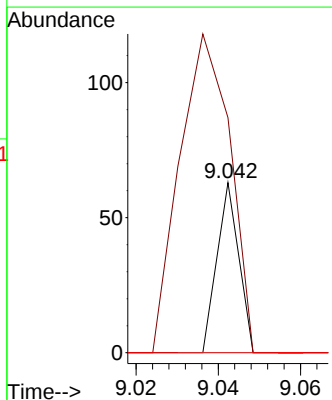
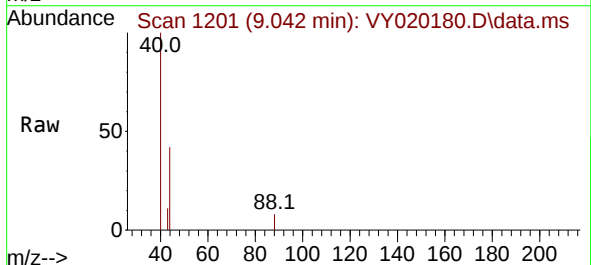


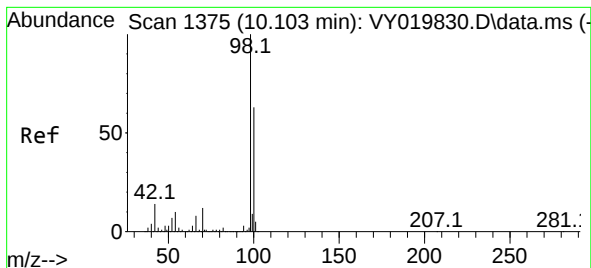
Tgt Ion: 41	Resp: 43
Ion Ratio	Lower Upper
41 100	
39 0.0	48.0 72.0#
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#49
1,4-Dioxane
Concen: 34.236 ug/l
RT: 9.042 min Scan# 1201
Delta R.T. -0.189 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion: 88	Resp:	23	
Ion	Ratio	Lower	Upper
88	100		
43	434.8	0.0	0.0#
58	0.0	49.3	73.9#

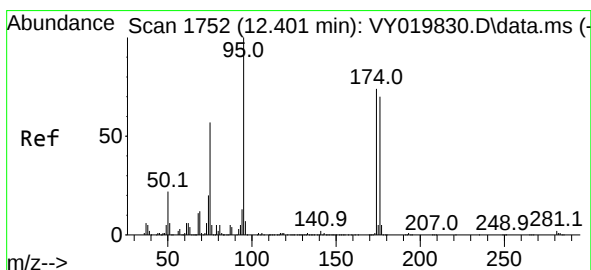
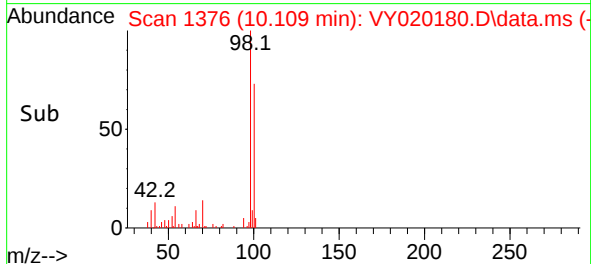
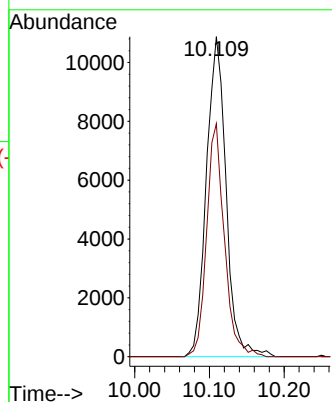
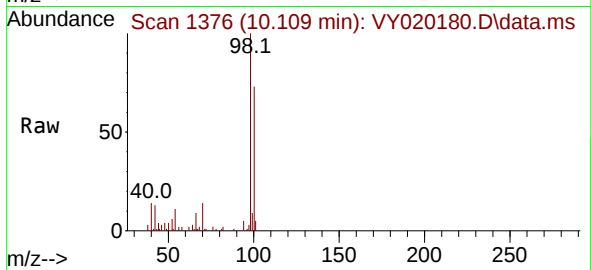




#50
Toluene-d8
Concen: 44.800 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

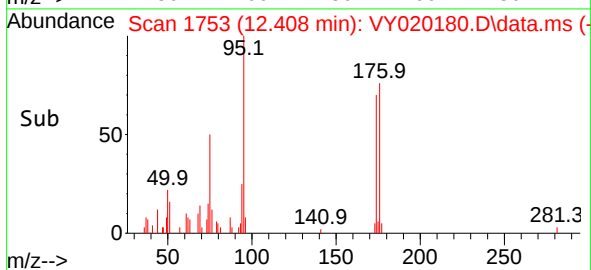
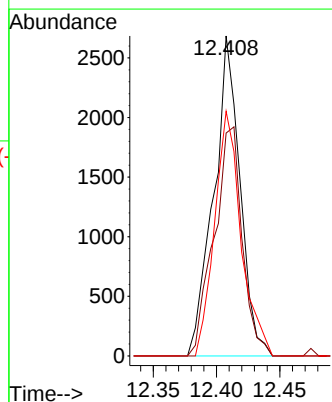
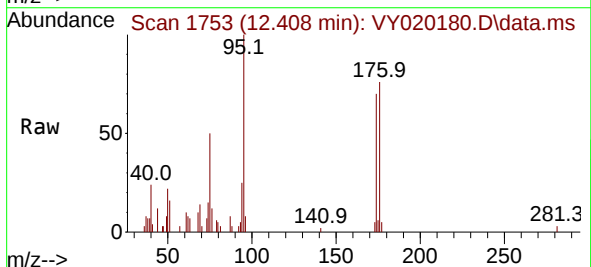
Instrument :
MSVOA_Y
ClientSampleId :

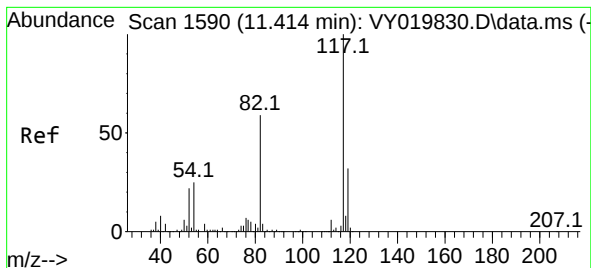
Tgt Ion: 98 Resp: 19907
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 26.896 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Tgt Ion: 95 Resp: 3882
Ion Ratio Lower Upper
95 100
174 76.6 0.0 175.6
176 76.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

Instrument :

MSVOA_Y

ClientSampleId :

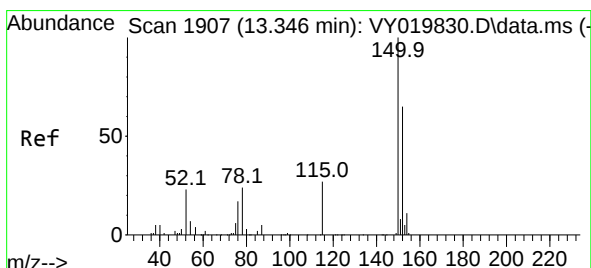
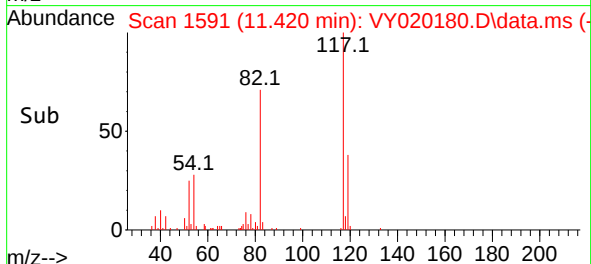
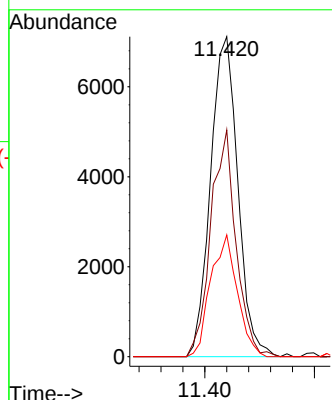
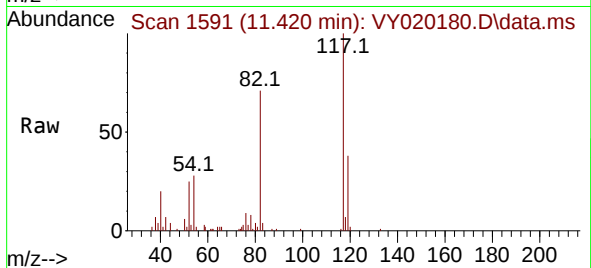
Tgt Ion:117 Resp: 12323

Ion Ratio Lower Upper

117 100

82 70.8 42.4 63.6#

119 38.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020180.D

Acq: 06 Nov 2024 14:43

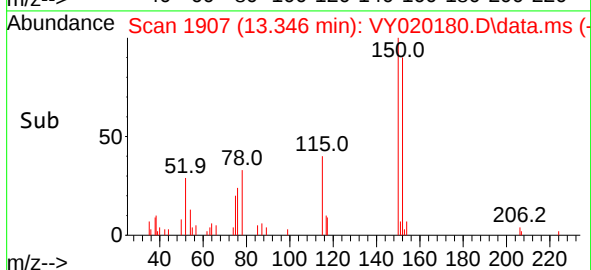
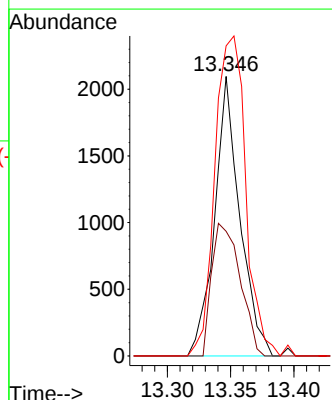
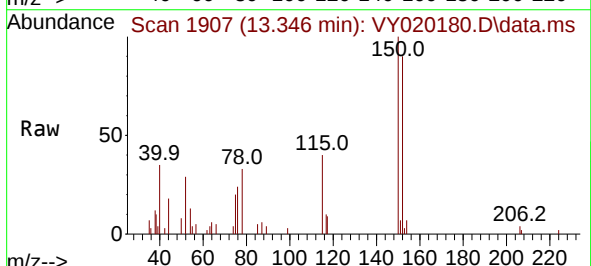
Tgt Ion:152 Resp: 2907

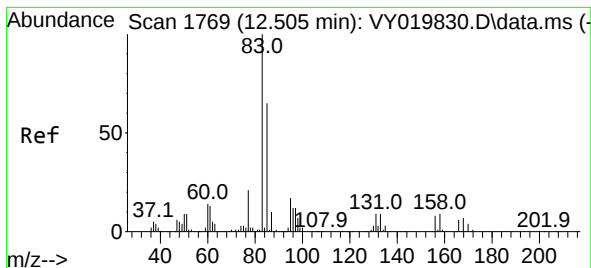
Ion Ratio Lower Upper

152 100

115 53.5 28.2 84.7

150 140.3 0.0 345.6

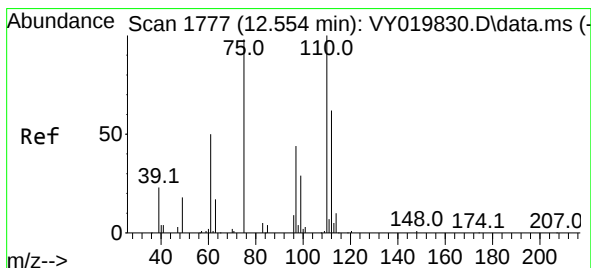
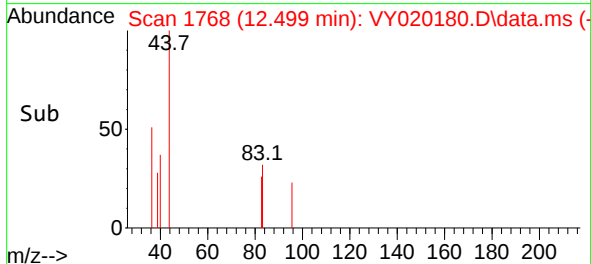
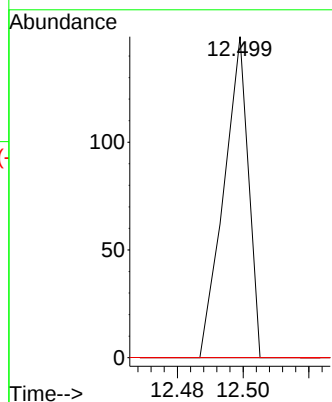
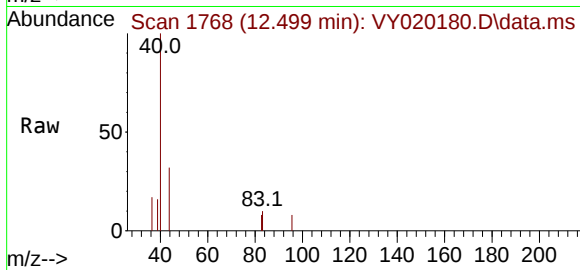




#75
1,1,2,2-Tetrachloroethane
Concen: 1.896 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. -0.012 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

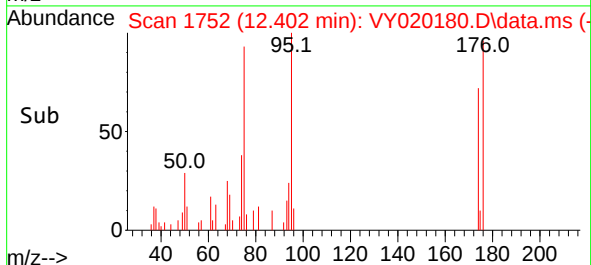
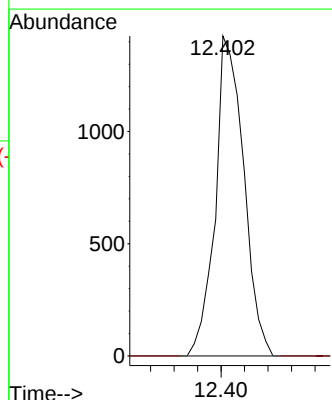
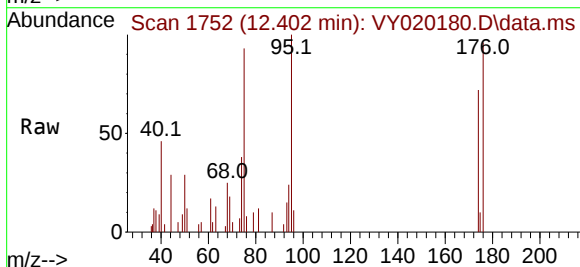
Instrument :
MSVOA_Y
ClientSampleId :

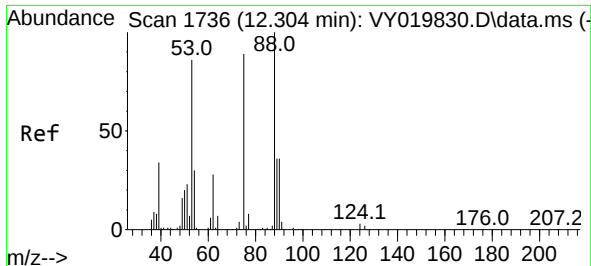
Tgt Ion: 83 Resp: 77
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.0 96.0#



#76
1,2,3-Trichloropropane
Concen: 87.816 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

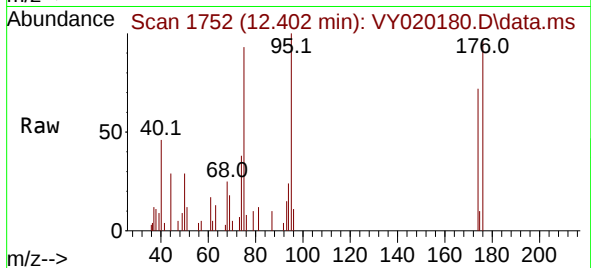
Tgt Ion: 75 Resp: 2393
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



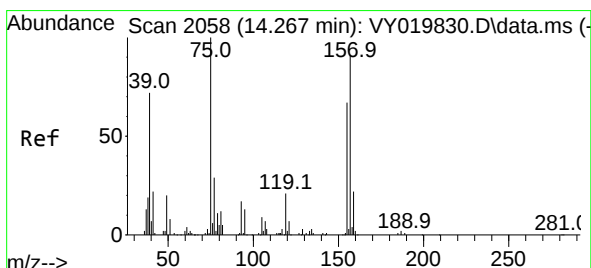
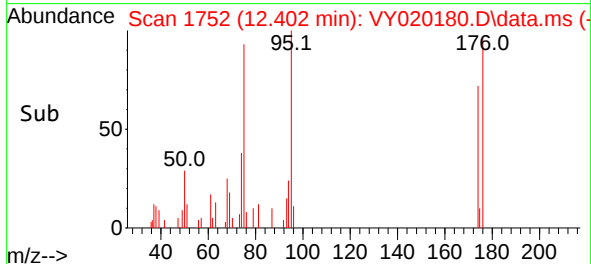
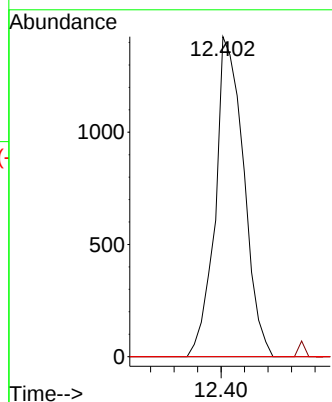


#81
trans-1,4-Dichloro-2-butene
Concen: 188.890 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :

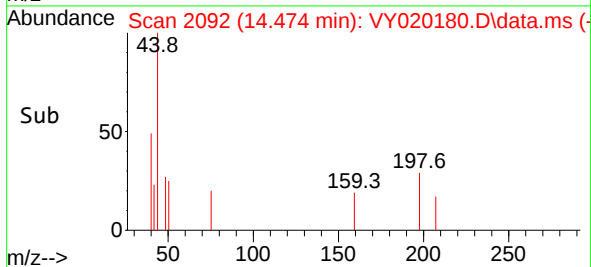
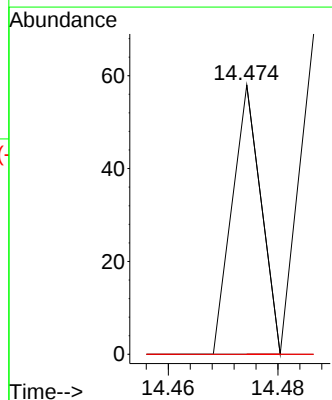
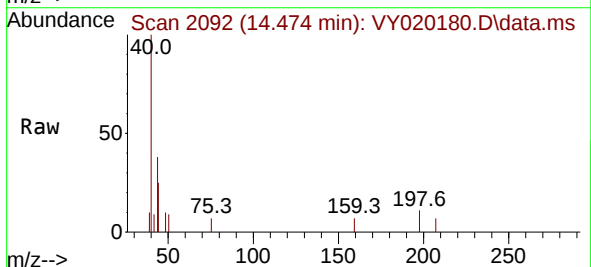


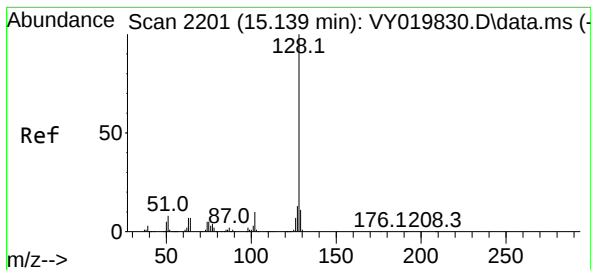
Tgt Ion: 75 Resp: 2393
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.409 ug/l
RT: 14.474 min Scan# 2092
Delta R.T. 0.202 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

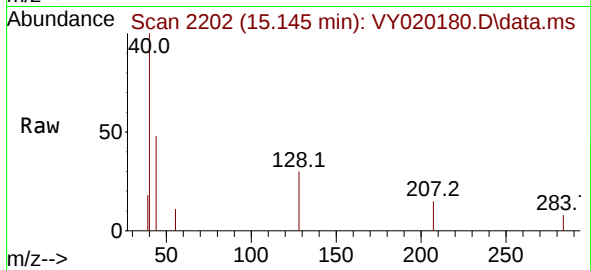
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 2.426 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020180.D
Acq: 06 Nov 2024 14:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

