

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123024\
 Data File : VY020756.D
 Acq On : 30 Dec 2024 15:40
 Operator : SY/MD
 Sample : P5390-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 00:40:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	21708	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	29330	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	19361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	5336	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	7430	41.787	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.580%
35) Dibromofluoromethane	7.634	113	8416	52.094	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.180%
50) Toluene-d8	10.103	98	31692	49.354	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.408	95	6619	30.829	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	61.660%

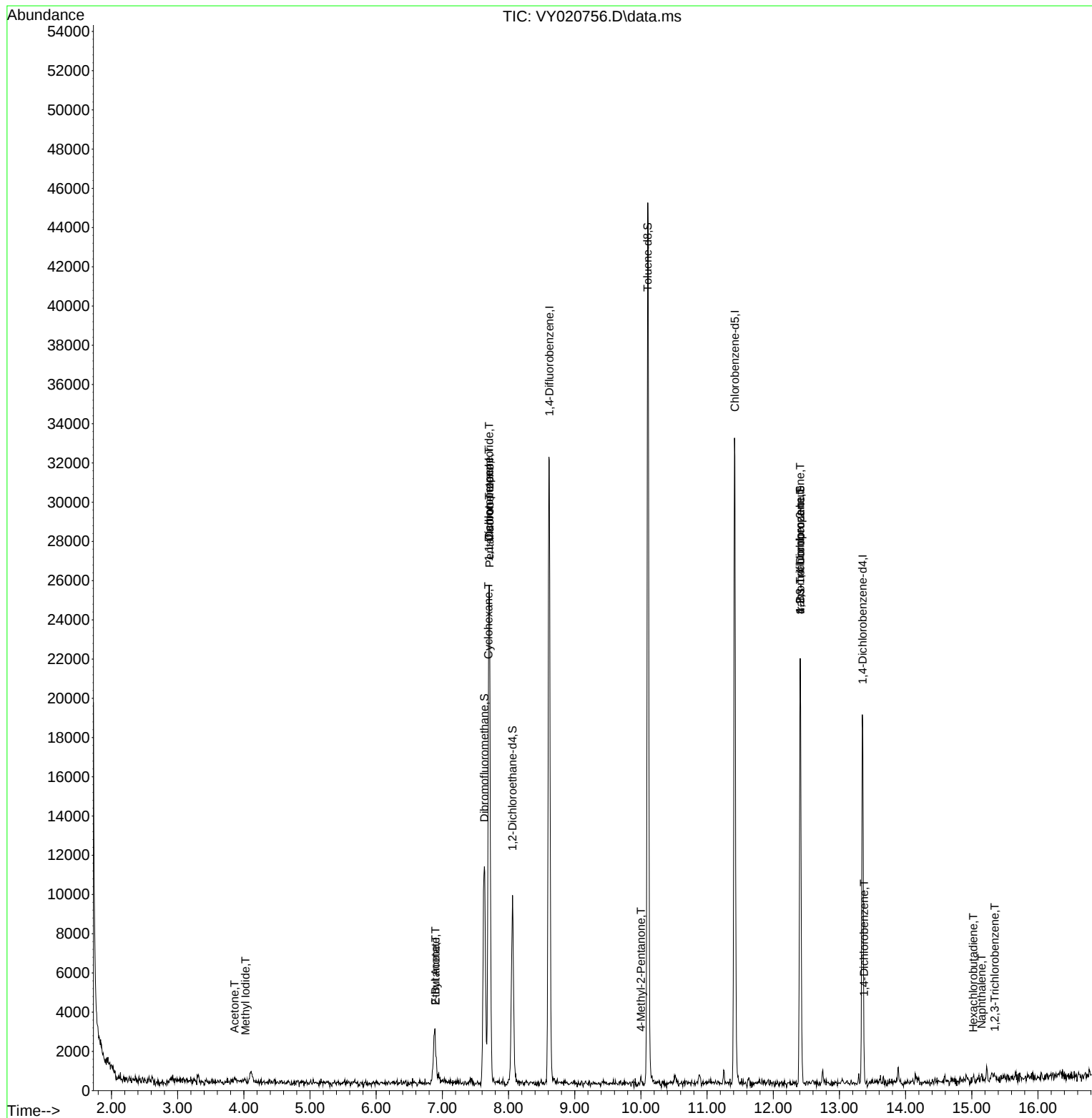
Target Compounds					Qvalue	
10) Methyl Iodide	4.025	142	237	1.300	ug/l	# 38
11) Tert butyl alcohol	4.860	59	25	Below Cal		# 89
16) Acetone	3.860	43	352	15.605	ug/l	# 43
25) 2-Butanone	6.896	43	71	2.330	ug/l	# 38
31) Cyclohexane	7.695	56	341	1.493	ug/l	# 30
36) 1,1-Dichloropropene	7.701	75	1305	6.115	ug/l	# 46
37) Ethyl Acetate	6.896	43	71	1.010	ug/l	# 1
38) Carbon Tetrachloride	7.707	117	2191	6.235	ug/l	# 19
51) 4-Methyl-2-Pentanone	9.999	43	234	3.243	ug/l	# 72
76) 1,2,3-Trichloropropane	12.408	75	3336	98.298	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	3336	194.296	ug/l	# 8
88) 1,4-Dichlorobenzene	13.371	146	191	1.154	ug/l	# 24
94) Hexachlorobutadiene	15.023	225	71	1.075	ug/l	# 19
95) Naphthalene	15.151	128	306	2.108	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.346	180	169	2.239	ug/l	# 67

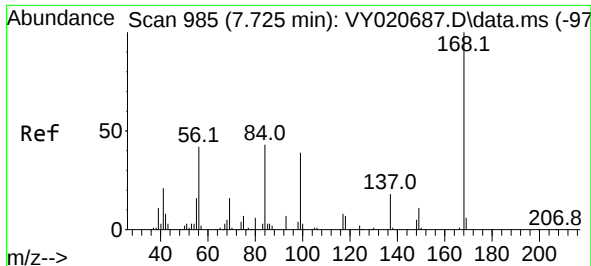
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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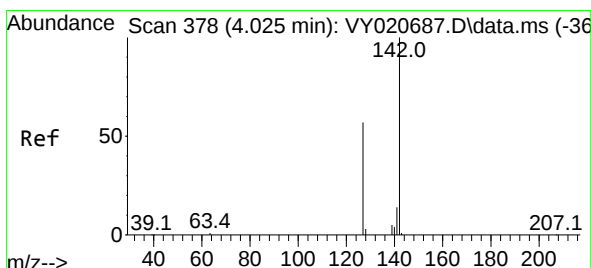
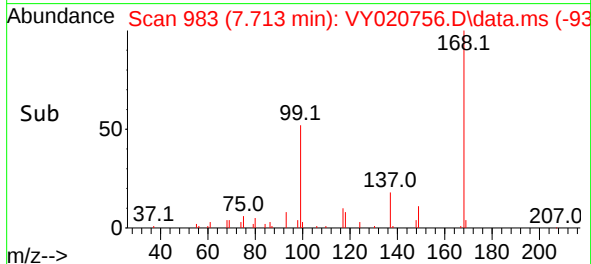
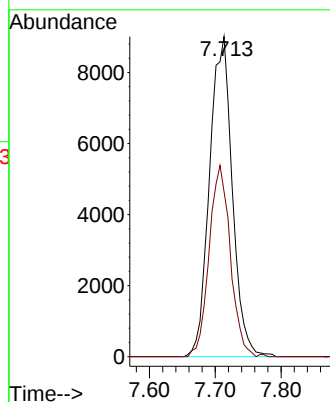
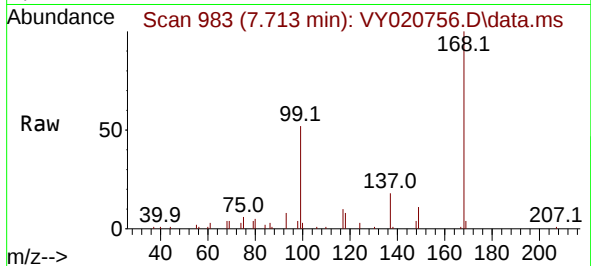




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

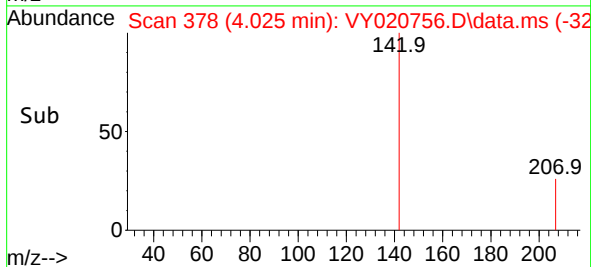
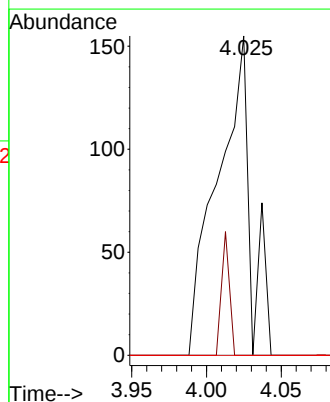
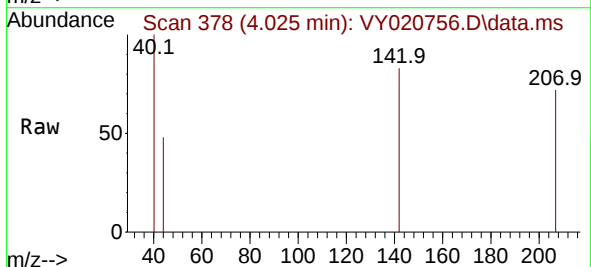
Instrument :
MSVOA_Y
ClientSampleId :

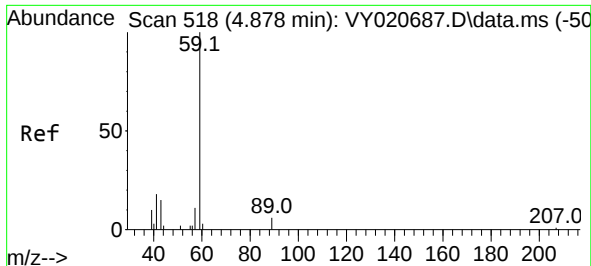
Tgt Ion:168 Resp: 21708
Ion Ratio Lower Upper
168 100
99 51.6 43.8 65.6



#10
Methyl Iodide
Concen: 1.300 ug/l
RT: 4.025 min Scan# 378
Delta R.T. -0.000 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion:142 Resp: 237
Ion Ratio Lower Upper
142 100
127 9.3 48.8 73.2#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 51

Delta R.T. -0.018 min

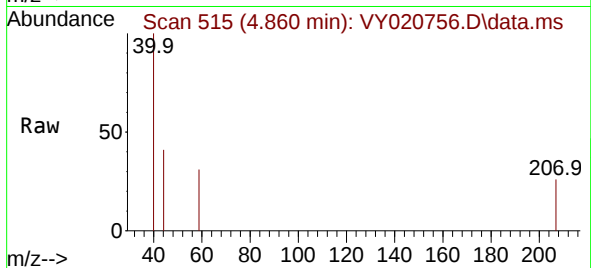
Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

Instrument :

MSVOA_Y

ClientSampleId :

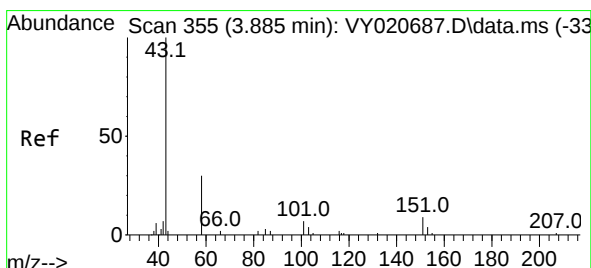
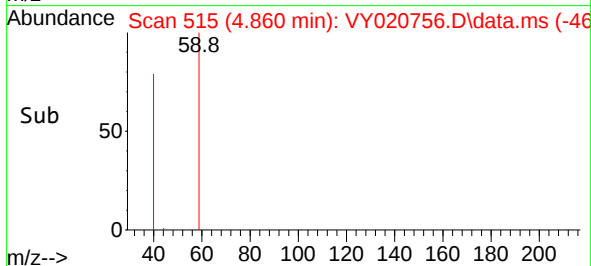
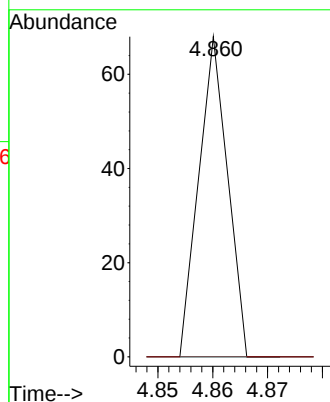


Tgt Ion: 59 Resp: 25

Ion Ratio Lower Upper

59 100

57 0.0 2.8 4.2#



#16

Acetone

Concen: 15.605 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.025 min

Lab File: VY020756.D

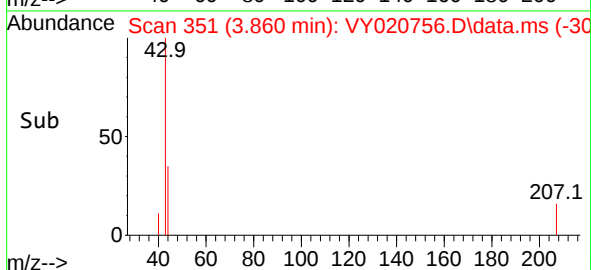
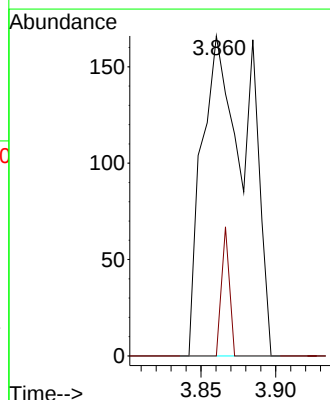
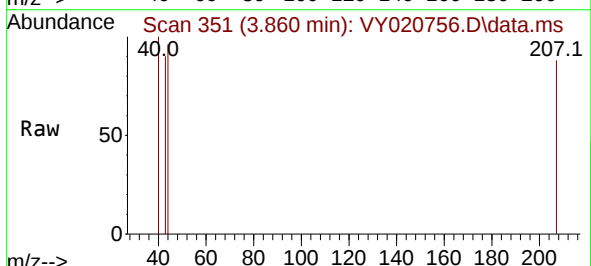
Acq: 30 Dec 2024 15:40

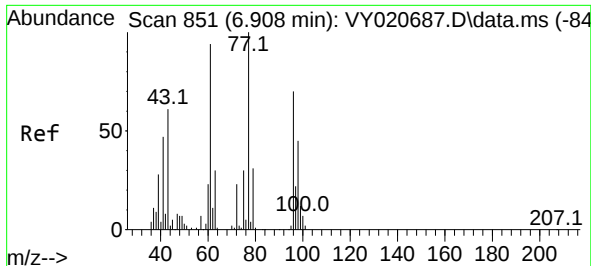
Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

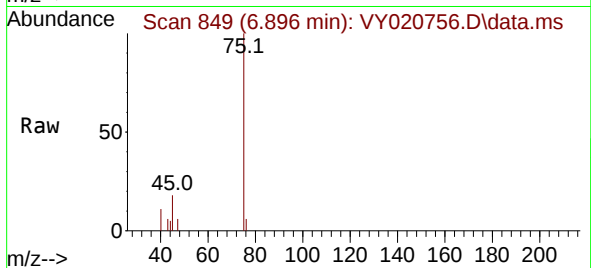
58 0.0 25.0 37.6#



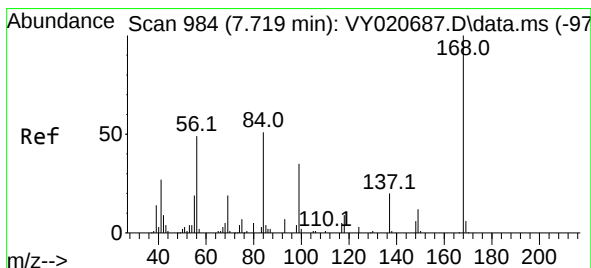
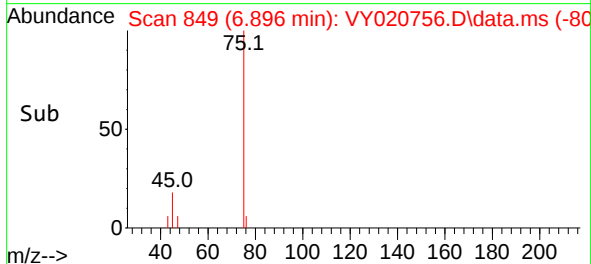
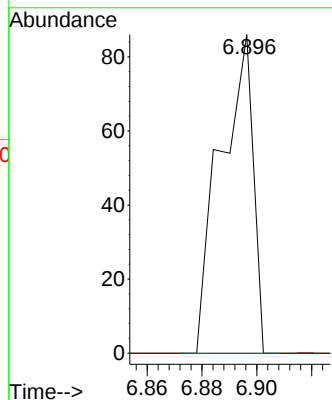


#25
2-Butanone
Concen: 2.330 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Instrument :
MSVOA_Y
ClientSampleId :

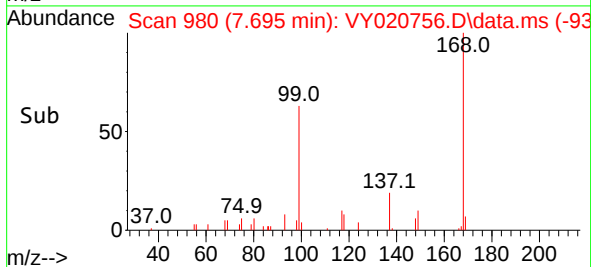
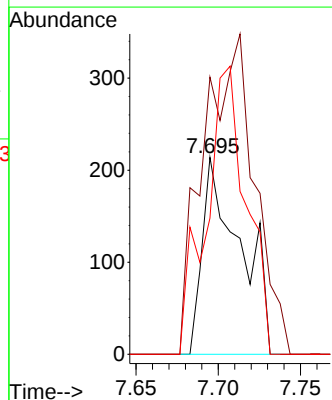
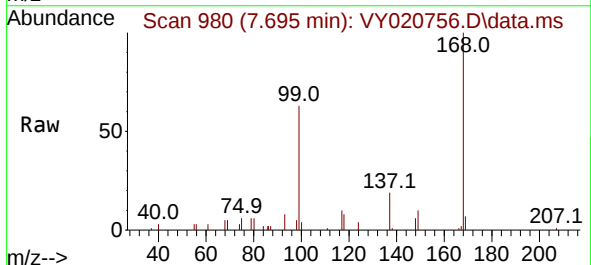


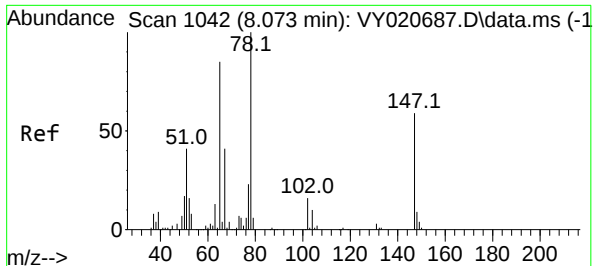
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 29.5 44.3#



#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.024 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
69 140.7 31.3 46.9#
84 69.2 83.9 125.9#





#33

1,2-Dichloroethane-d4

Concen: 41.787 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

Instrument :

MSVOA_Y

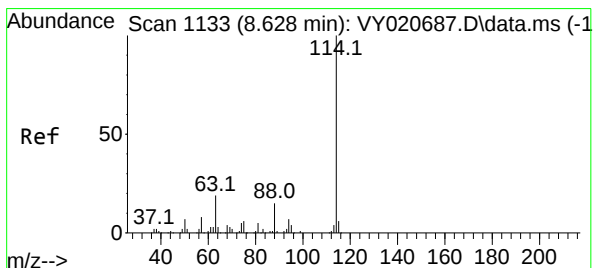
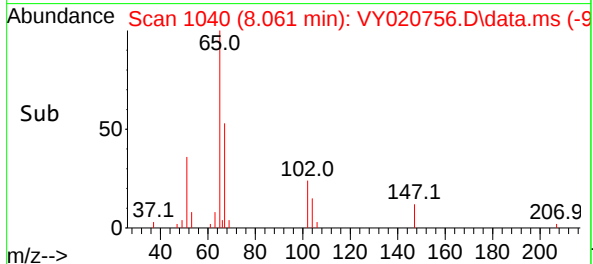
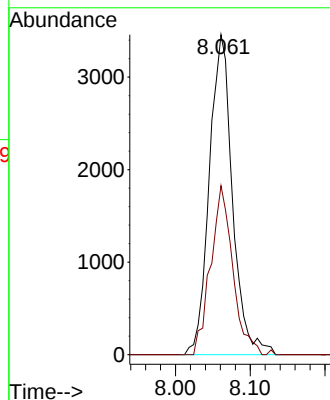
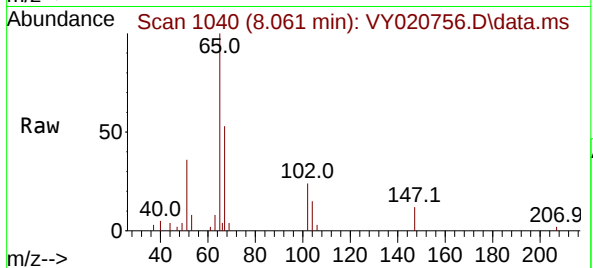
ClientSampleId :

Tgt Ion: 65 Resp: 7430

Ion Ratio Lower Upper

65 100

67 50.4 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

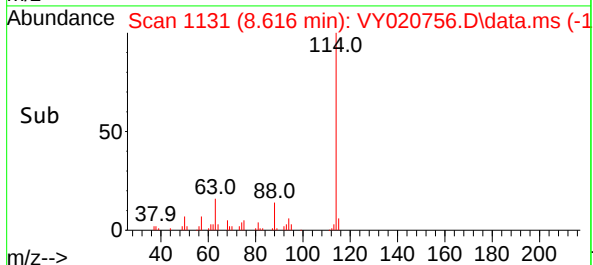
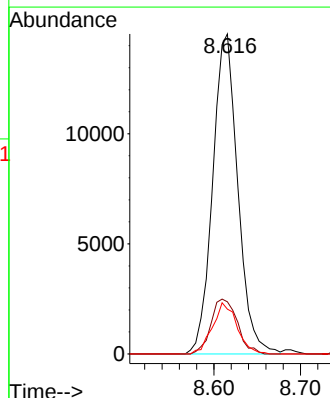
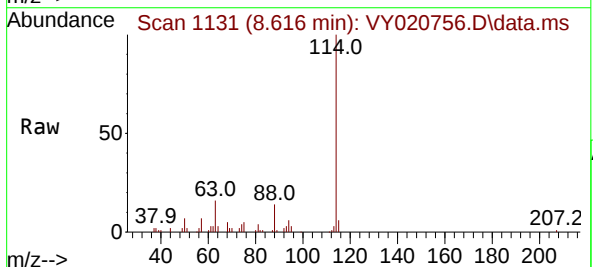
Tgt Ion:114 Resp: 29330

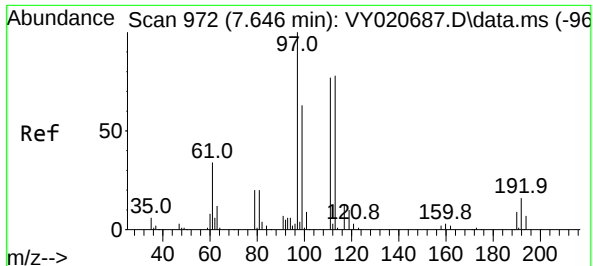
Ion Ratio Lower Upper

114 100

63 16.3 0.0 38.4

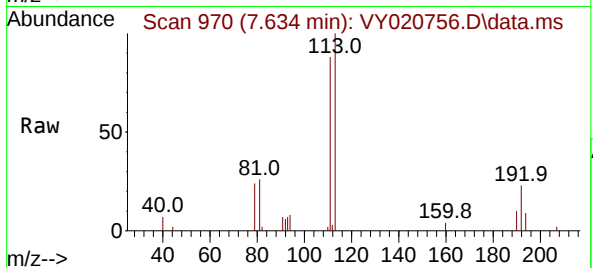
88 14.0 0.0 30.4



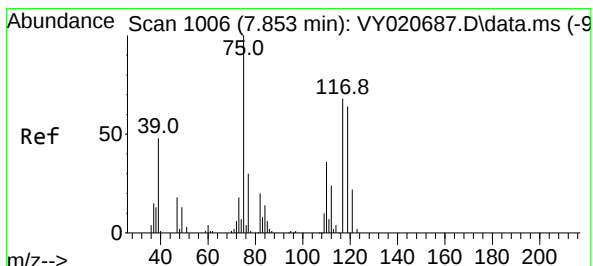
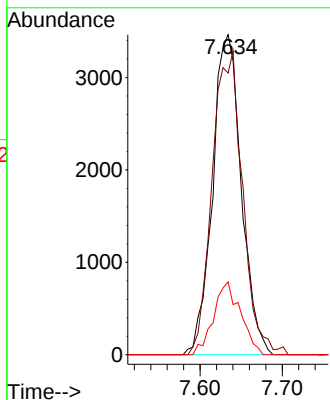
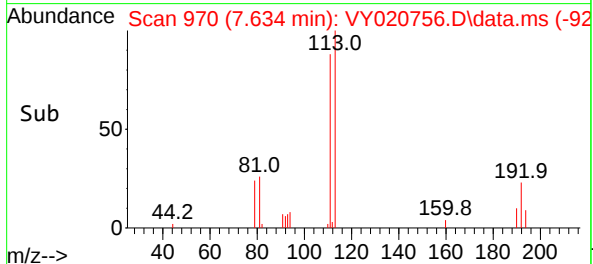


#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Instrument :
MSVOA_Y
ClientSampleId :

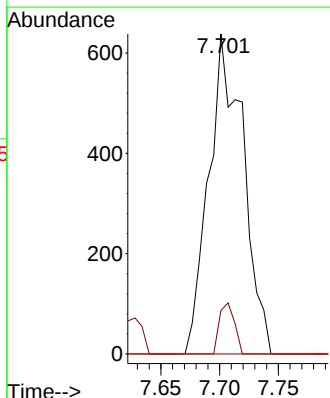
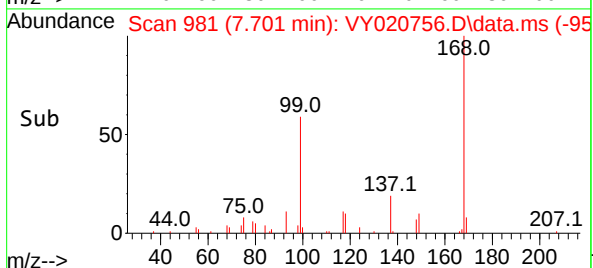
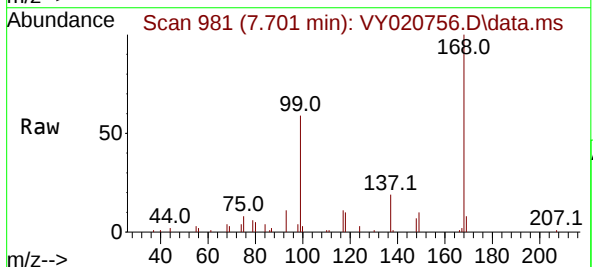


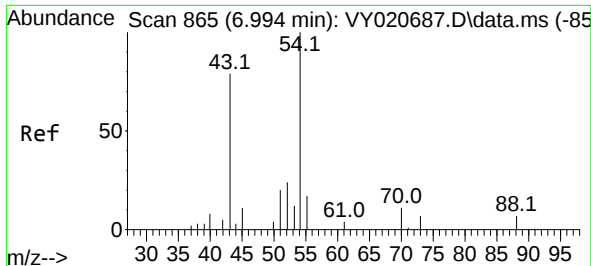
Tgt Ion:113 Resp: 8416
Ion Ratio Lower Upper
113 100
111 100.0 79.8 119.8
192 21.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 6.115 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.152 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion: 75 Resp: 1305
Ion Ratio Lower Upper
75 100
110 7.0 19.6 58.7#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.010 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

Instrument :

MSVOA_Y

ClientSampleId :

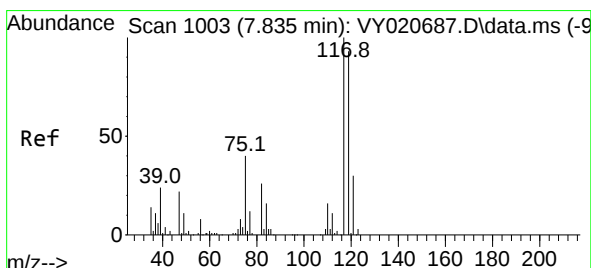
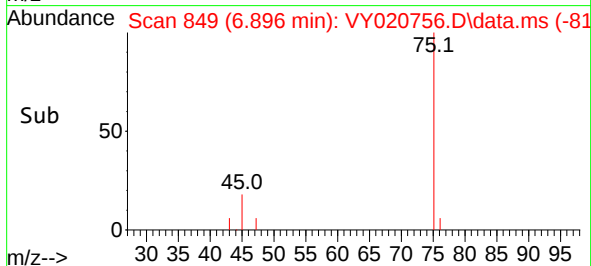
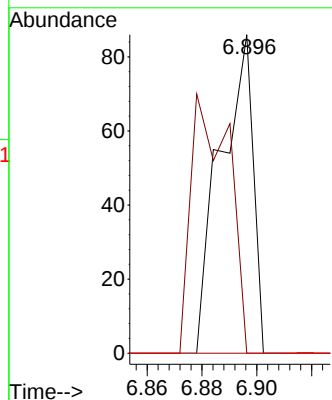
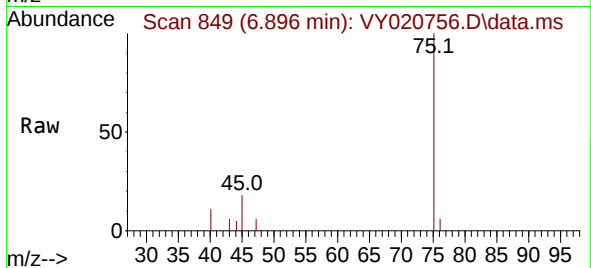
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

61 94.4 11.7 17.5#

70 0.0 11.0 16.4#



#38

Carbon Tetrachloride

Concen: 6.235 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

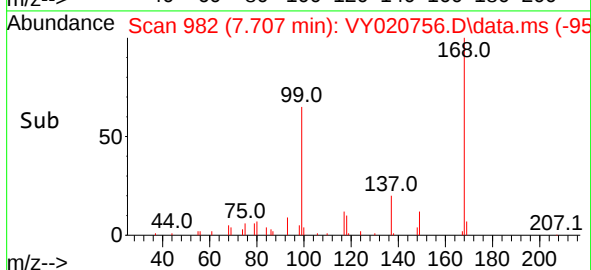
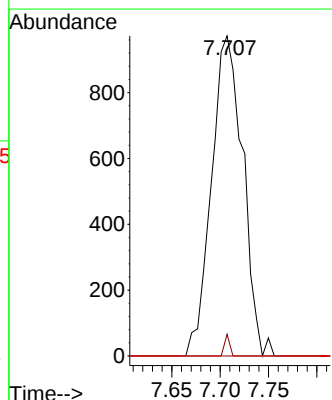
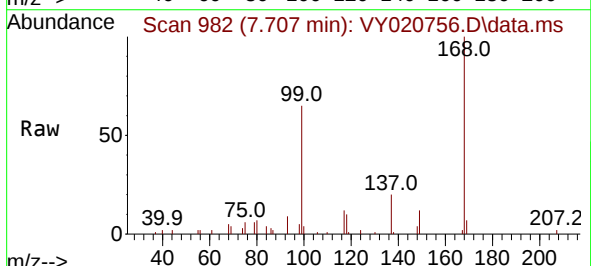
Tgt Ion: 117 Resp: 2191

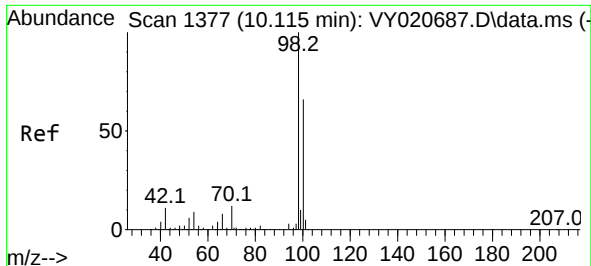
Ion Ratio Lower Upper

117 100

119 6.8 74.4 111.6#

121 0.0 24.2 36.2#

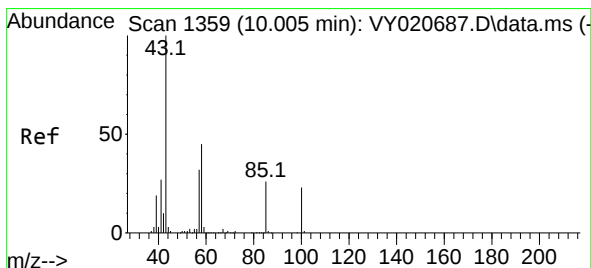
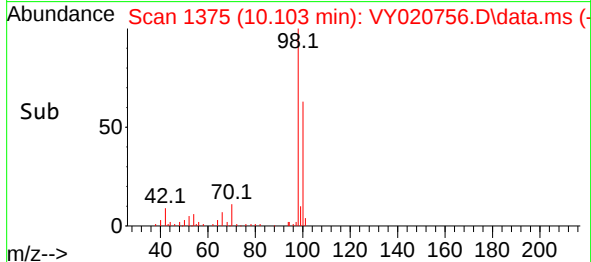
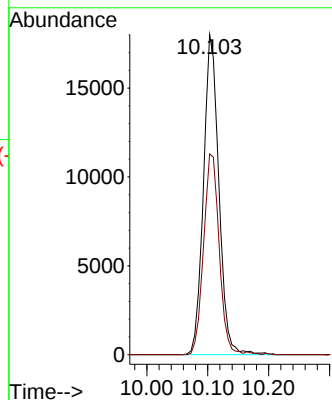
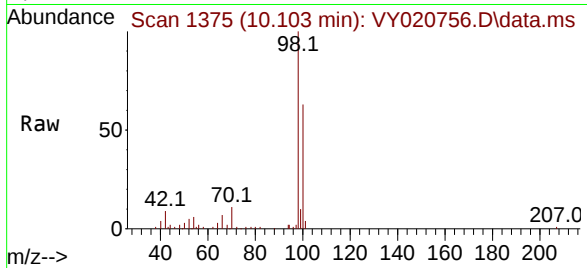




#50
Toluene-d8
Concen: 49.354 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.012 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

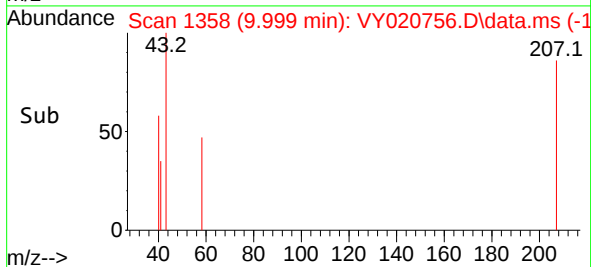
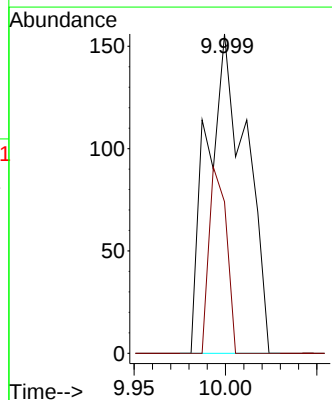
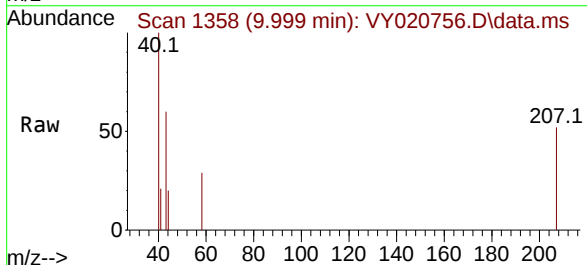
Instrument :
MSVOA_Y
ClientSampleId :

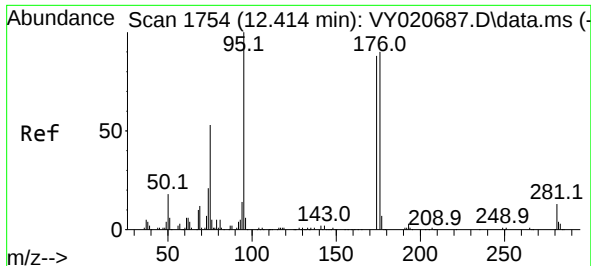
Tgt Ion: 98 Resp: 31692
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.243 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
58 25.6 35.1 52.7#

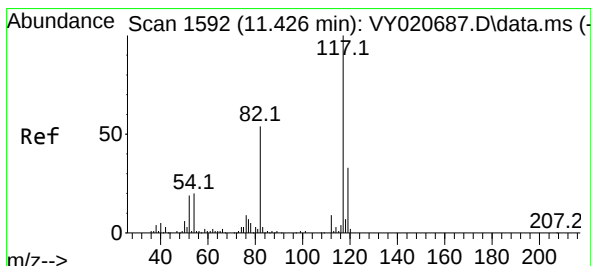
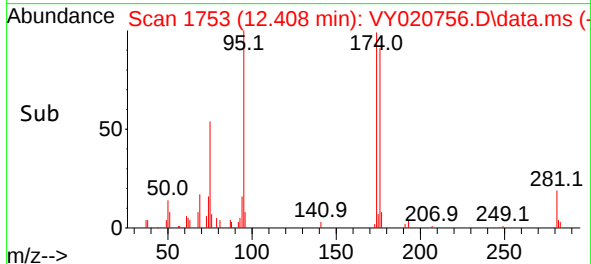
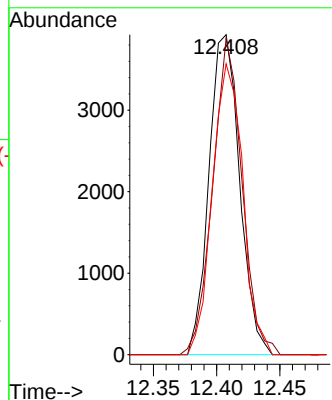
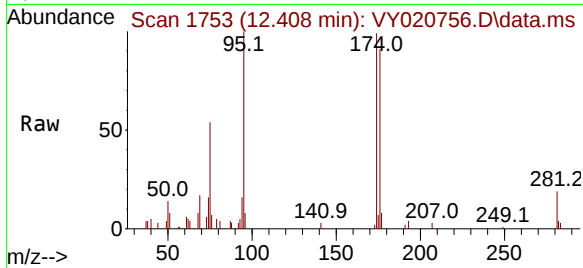




#62
4-Bromofluorobenzene
Concen: 30.829 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

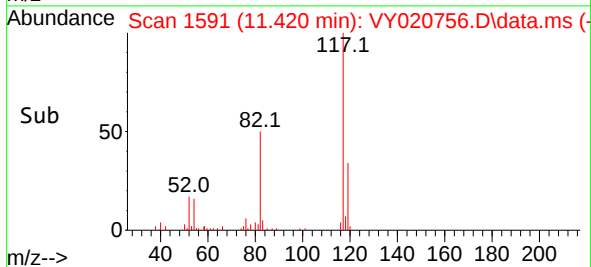
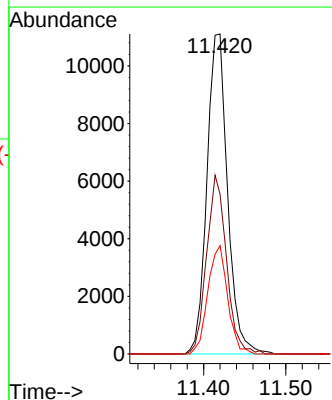
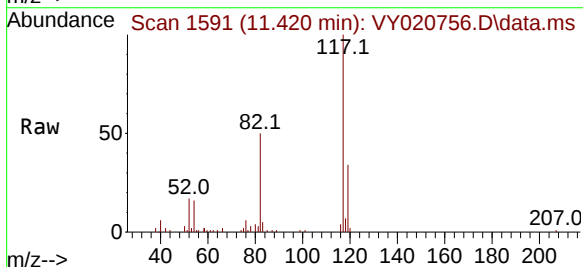
Instrument :
MSVOA_Y
ClientSampleId :

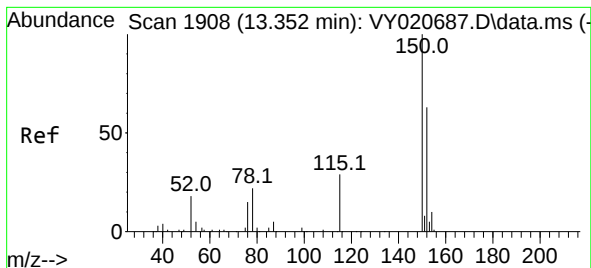
Tgt Ion: 95 Resp: 6619
Ion Ratio Lower Upper
95 100
174 94.4 0.0 179.2
176 90.4 0.0 179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion: 117 Resp: 19361
Ion Ratio Lower Upper
117 100
82 50.0 43.4 65.2
119 33.9 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

Instrument :

MSVOA_Y

ClientSampleId :

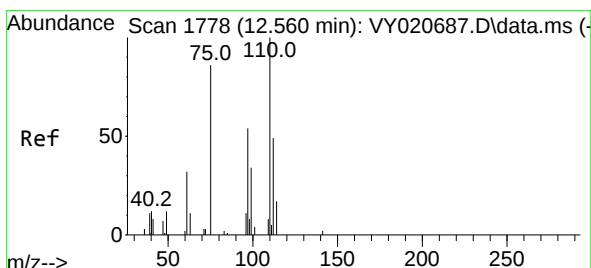
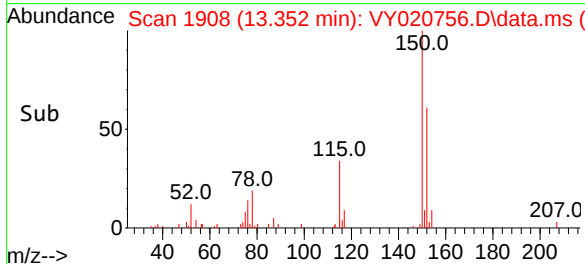
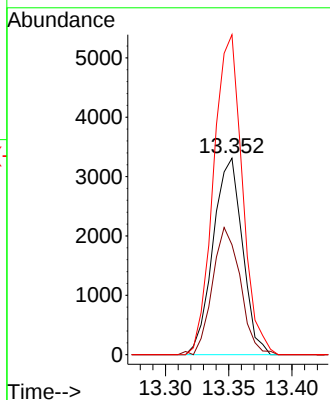
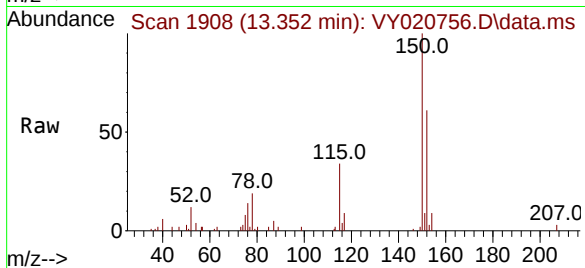
Tgt Ion:152 Resp: 5336

Ion Ratio Lower Upper

152 100

115 61.5 30.3 90.9

150 159.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 98.298 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020756.D

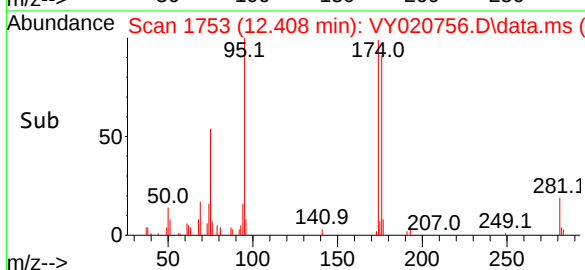
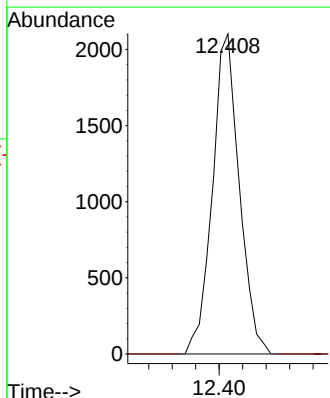
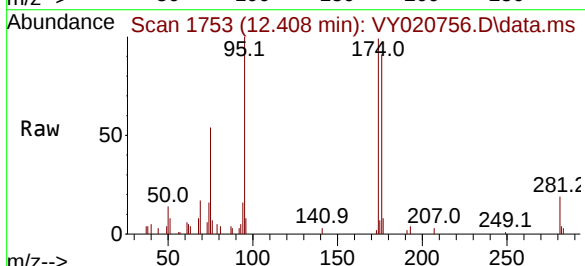
Acq: 30 Dec 2024 15:40

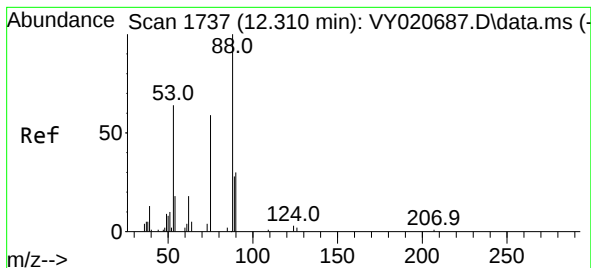
Tgt Ion: 75 Resp: 3336

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

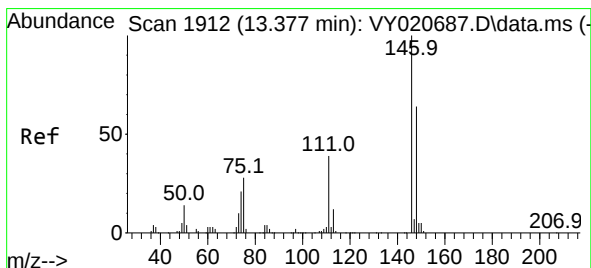
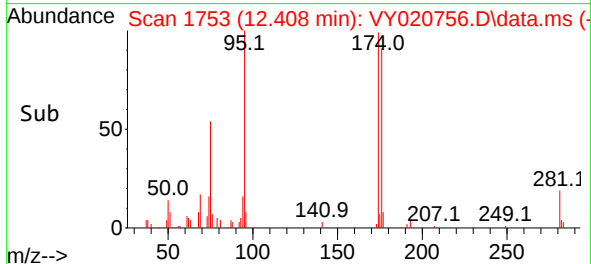
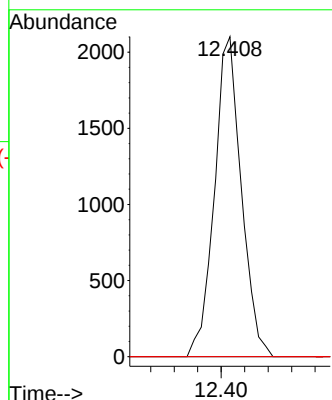
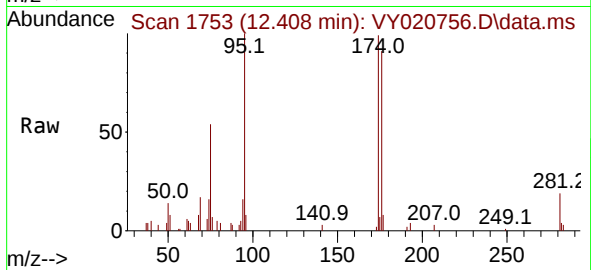




#81
trans-1,4-Dichloro-2-butene
Concen: 194.296 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

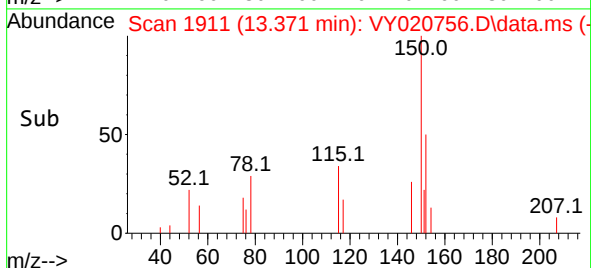
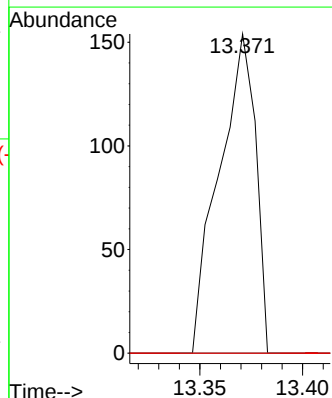
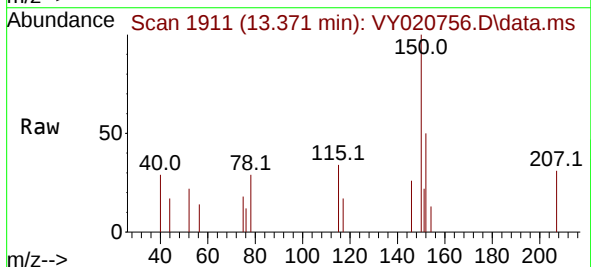
Instrument :
MSVOA_Y
ClientSampleId :

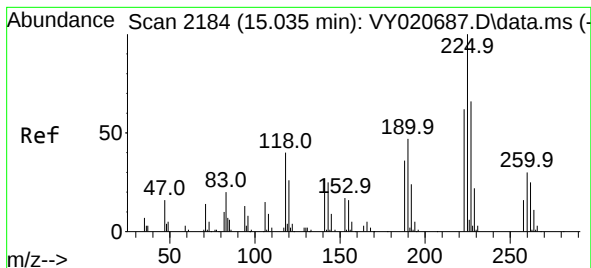
Tgt Ion: 75 Resp: 3336
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.0 40.6 61.0#



#88
1,4-Dichlorobenzene
Concen: 1.154 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020756.D
Acq: 30 Dec 2024 15:40

Tgt Ion:146 Resp: 191
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 0.0 32.8 98.3#





#94

Hexachlorobutadiene

Concen: 1.075 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.012 min

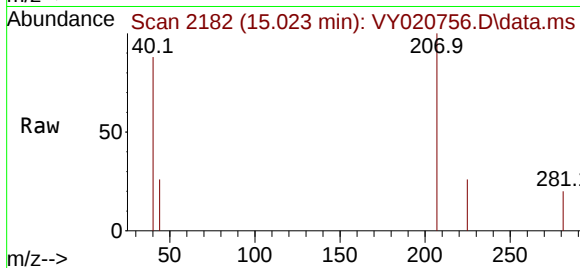
Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

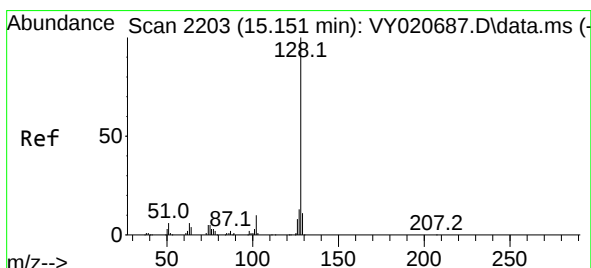
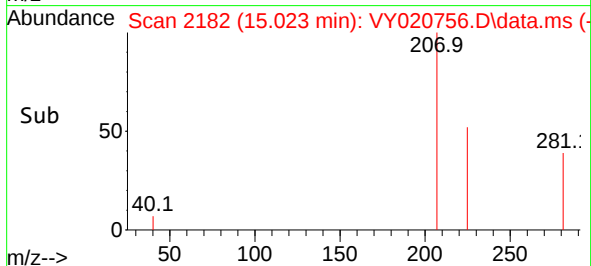
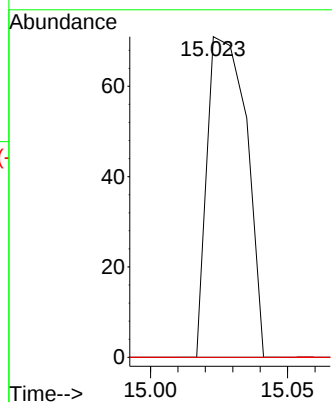
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	225	Resp:	71
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.3	93.8#
227	0.0	32.1	96.5#



#95

Naphthalene

Concen: 2.108 ug/l

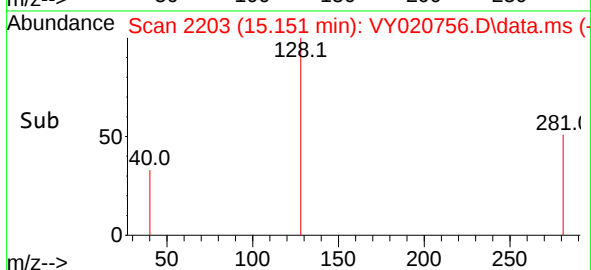
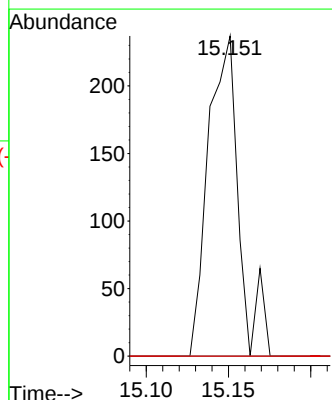
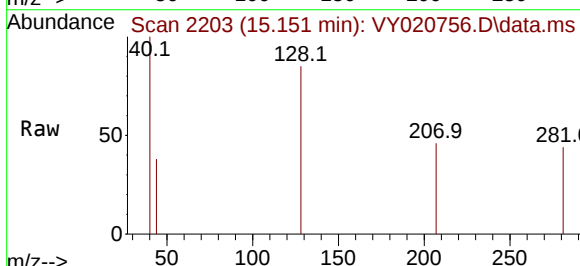
RT: 15.151 min Scan# 2203

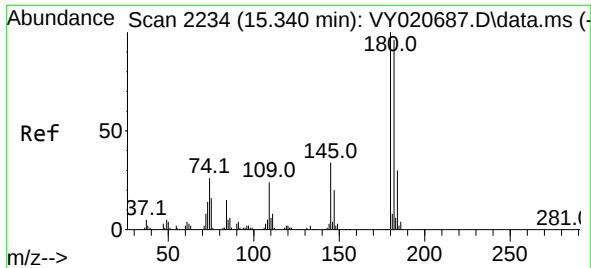
Delta R.T. -0.000 min

Lab File: VY020756.D

Acq: 30 Dec 2024 15:40

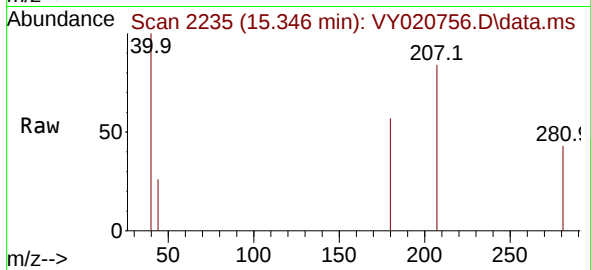
Tgt Ion:	128	Resp:	306
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.239 ug/l
 RT: 15.346 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY020756.D
 Acq: 30 Dec 2024 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 169
 Ion Ratio Lower Upper
 180 100
 182 71.0 47.4 142.2
 145 0.0 16.7 50.1#

