

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123024\
 Data File : VY020755.D
 Acq On : 30 Dec 2024 15:17
 Operator : SY/MD
 Sample : P5391-01
 Misc : 5.5g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 31 00:39:49 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)

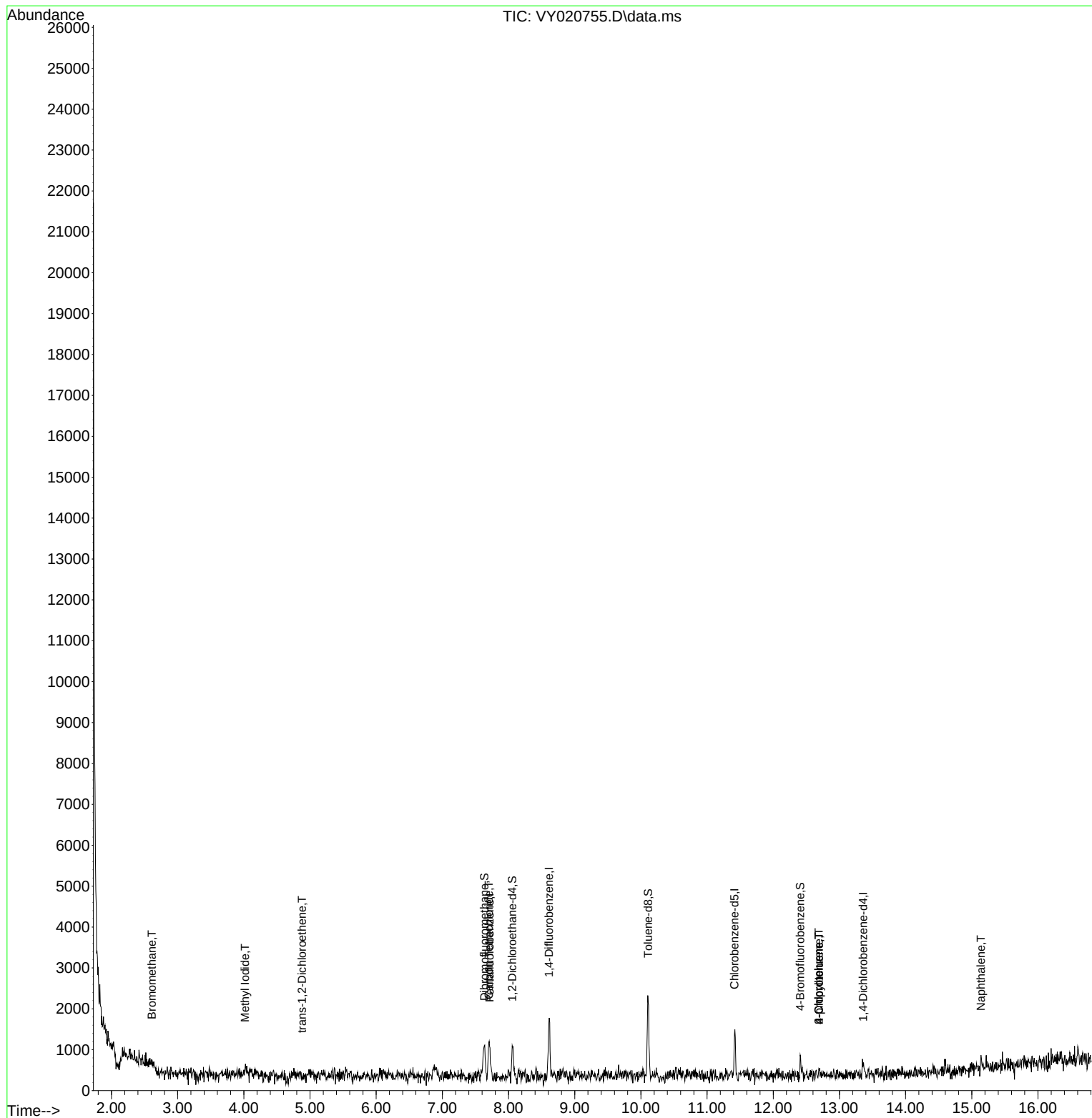
Internal Standards						
1) Pentafluorobenzene	7.713	168	1152	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	1793	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.414	117	875	50.000	ug/l	#-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	733	77.682	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.360%
35) Dibromofluoromethane	7.634	113	737	74.625	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	149.240%#
50) Toluene-d8	10.109	98	1649	42.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.520%
62) 4-Bromofluorobenzene	12.408	95	113	8.610	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	17.220%#
Target Compounds						Qvalue
5) Bromomethane	2.611	94	40	12.644	ug/l #	5
10) Methyl Iodide	4.019	142	265	27.396	ug/l #	63
21) trans-1,2-Dichloroethene	4.878	96	25	2.947	ug/l #	1
38) Carbon Tetrachloride	7.701	117	22	1.024	ug/l #	13
78) n-propylbenzene	12.688	91	21	1.745	ug/l #	51
79) 2-Chlorotoluene	12.688	91	21	3.061	ug/l #	39
82) 4-Chlorotoluene	12.688	91	21	2.961	ug/l #	39
95) Naphthalene	15.139	128	221	52.404	ug/l #	69

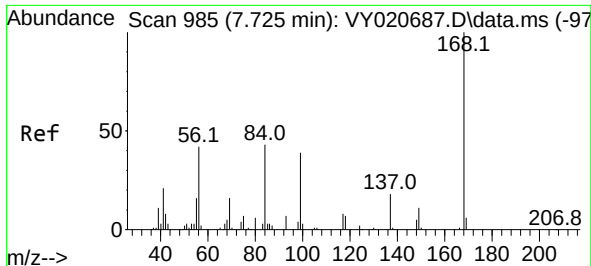
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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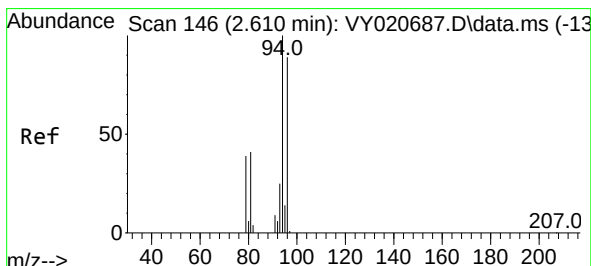
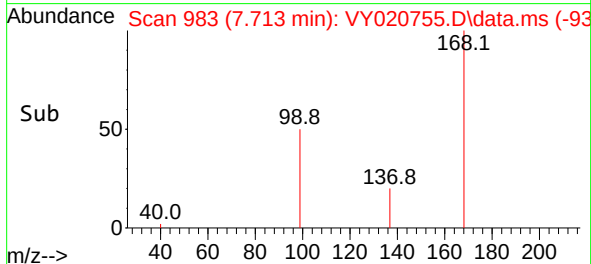
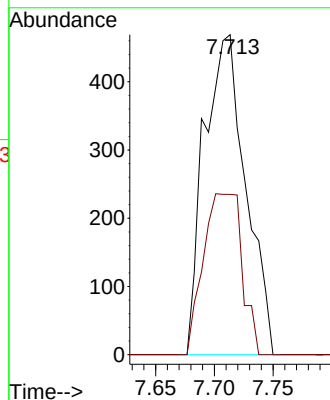
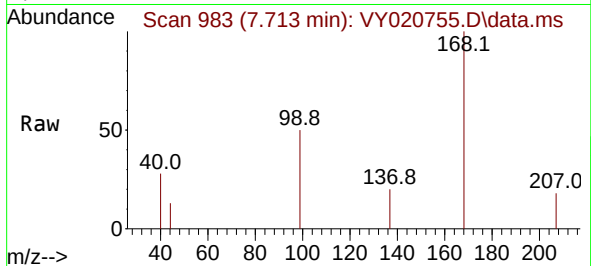




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

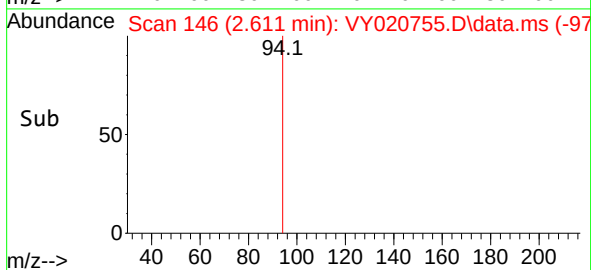
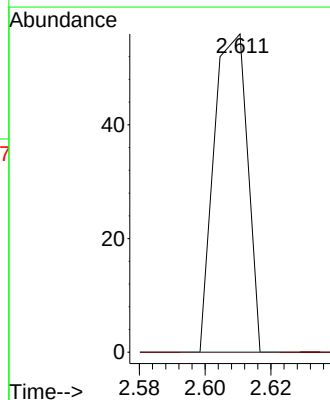
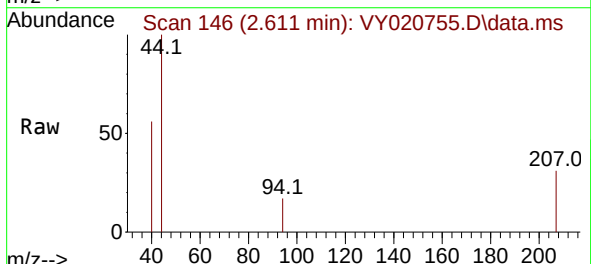
Instrument :
MSVOA_Y
ClientSampleId :

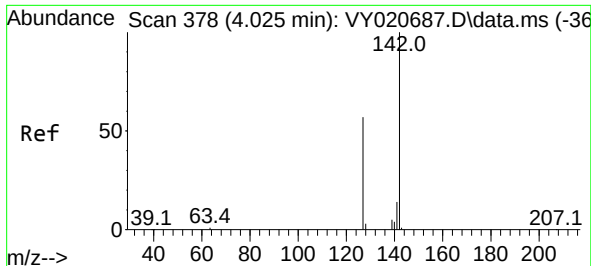
Tgt Ion:168 Resp: 1152
Ion Ratio Lower Upper
168 100
99 50.1 43.8 65.6



#5
Bromomethane
Concen: 12.644 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.001 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

Tgt Ion: 94 Resp: 40
Ion Ratio Lower Upper
94 100
96 0.0 71.0 106.6#





#10

Methyl Iodide

Concen: 27.396 ug/l

RT: 4.019 min Scan# 31

Delta R.T. -0.006 min

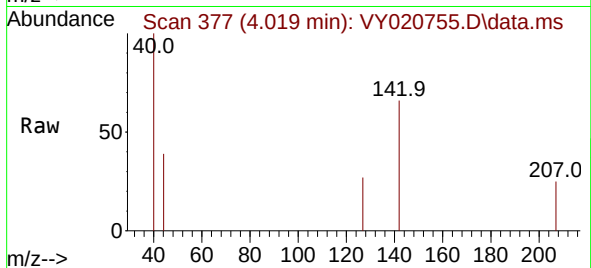
Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :



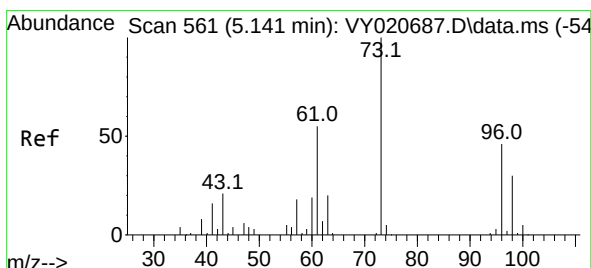
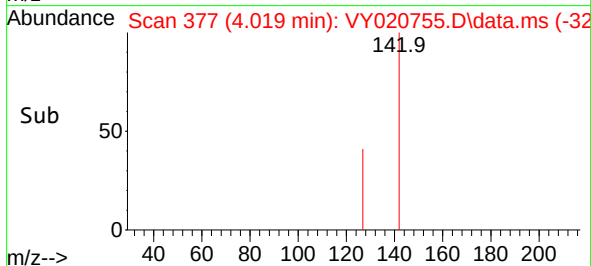
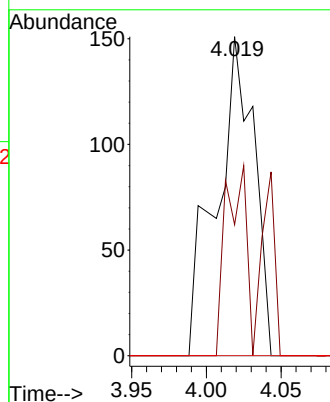
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 32.5 48.8 73.2#

141 0.0 11.9 17.9#



#21

trans-1,2-Dichloroethene

Concen: 2.947 ug/l

RT: 4.878 min Scan# 518

Delta R.T. -0.263 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

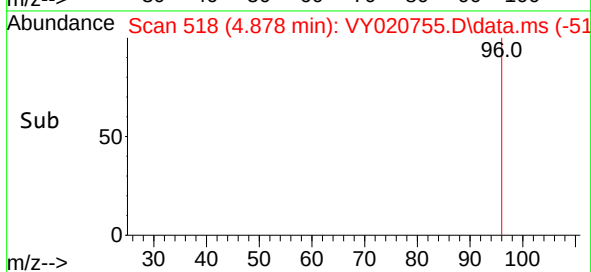
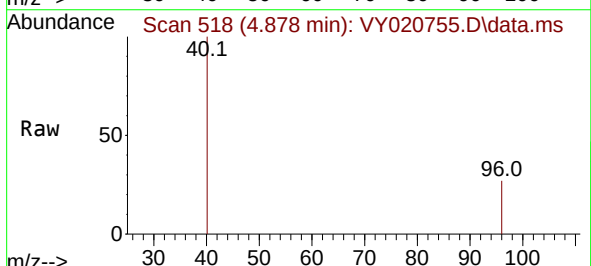
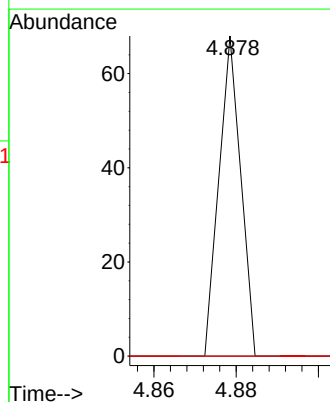
Tgt Ion: 96 Resp: 25

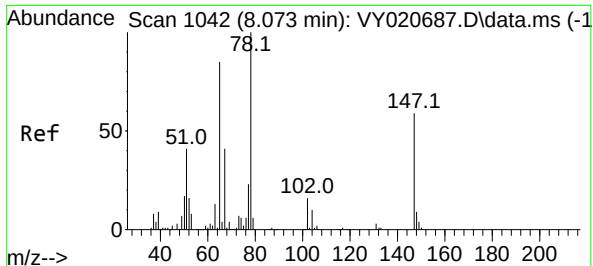
Ion Ratio Lower Upper

96 100

61 0.0 96.1 144.1#

98 0.0 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 77.682 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.018 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

Instrument :

MSVOA_Y

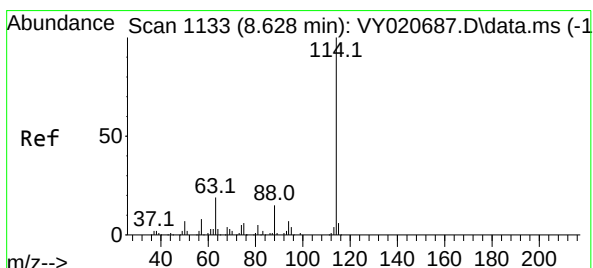
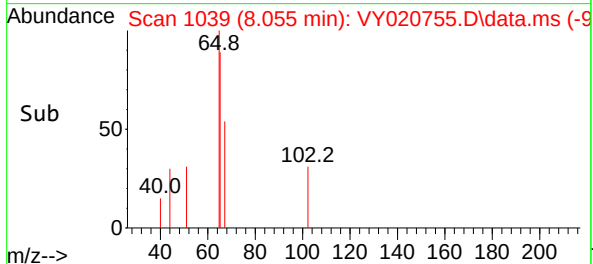
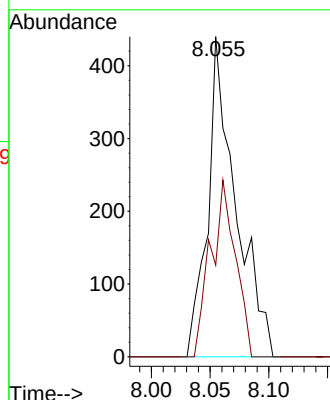
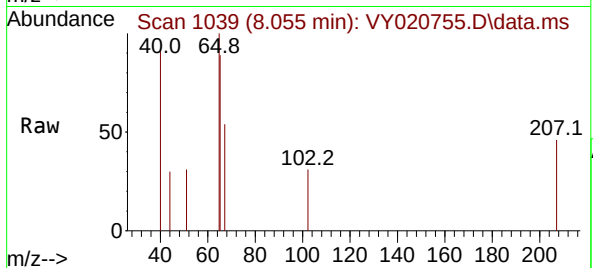
ClientSampleId :

Tgt Ion: 65 Resp: 733

Ion Ratio Lower Upper

65 100

67 48.6 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.018 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

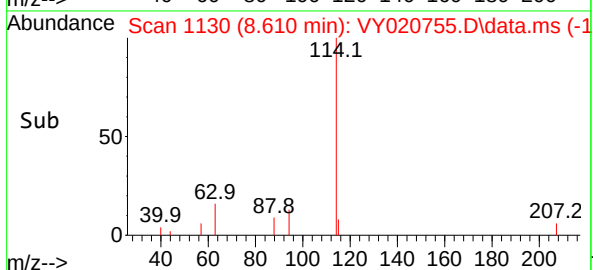
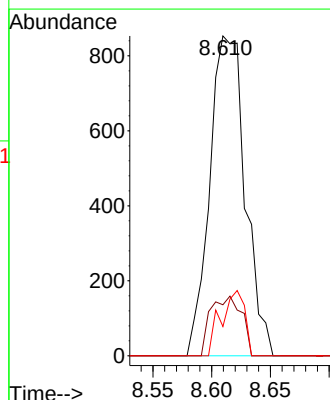
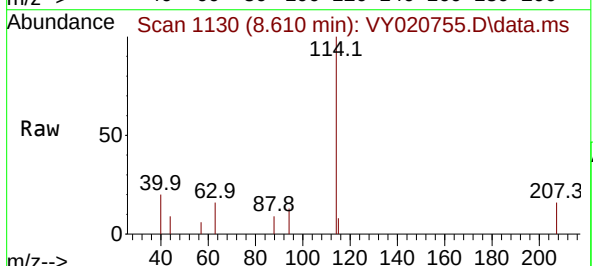
Tgt Ion: 114 Resp: 1793

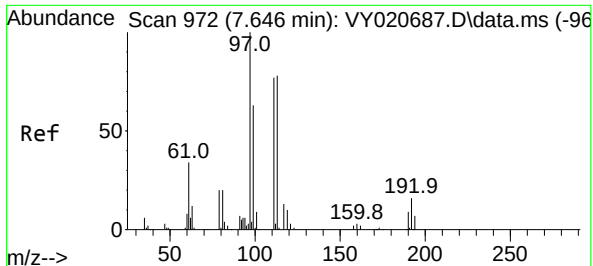
Ion Ratio Lower Upper

114 100

63 15.9 0.0 38.4

88 9.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 74.625 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.012 min

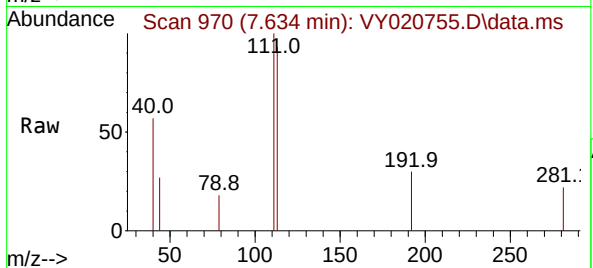
Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :



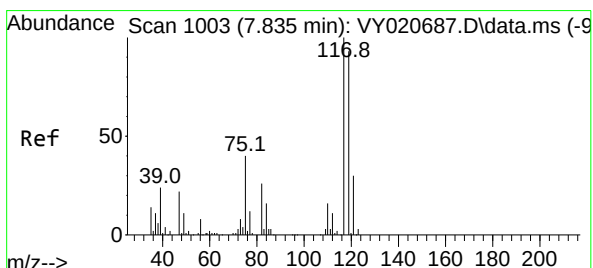
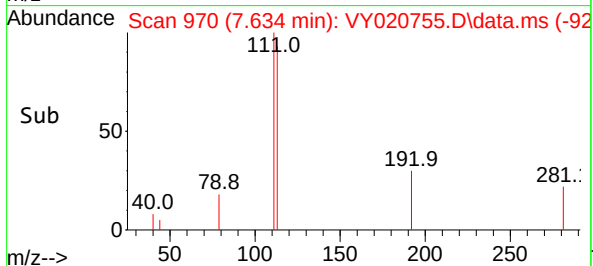
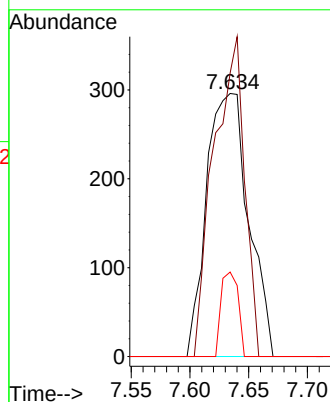
Tgt Ion:113 Resp: 737

Ion Ratio Lower Upper

113 100

111 88.9 79.8 119.8

192 13.0 17.0 25.6#



#38

Carbon Tetrachloride

Concen: 1.024 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

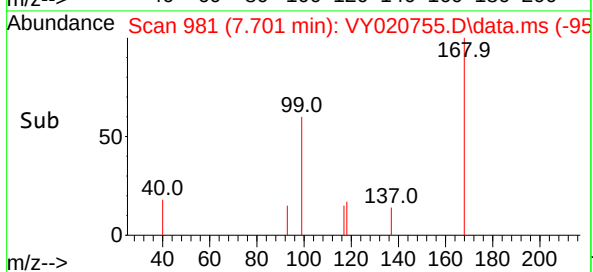
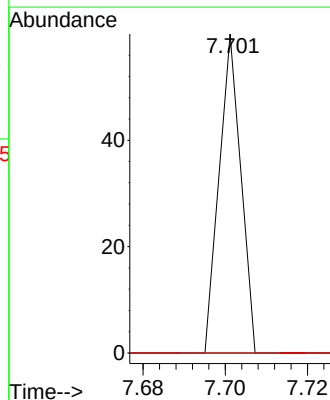
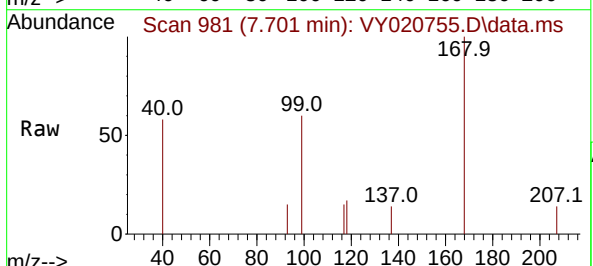
Tgt Ion:117 Resp: 22

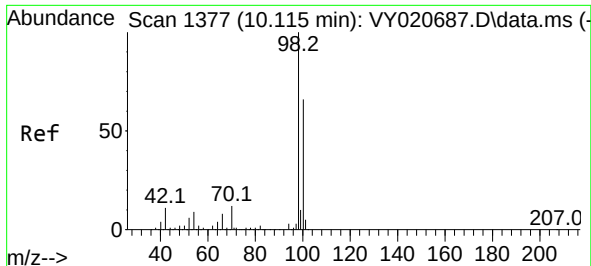
Ion Ratio Lower Upper

117 100

119 0.0 74.4 111.6#

121 0.0 24.2 36.2#

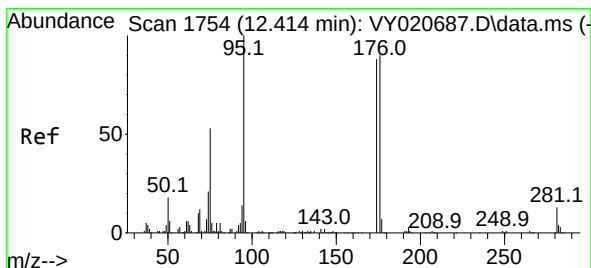
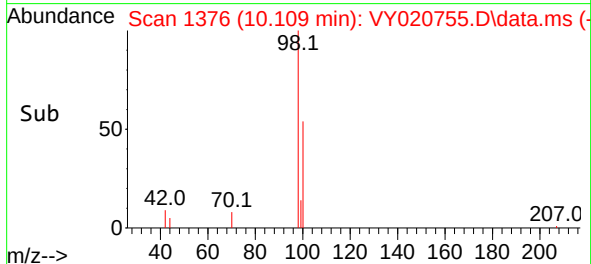
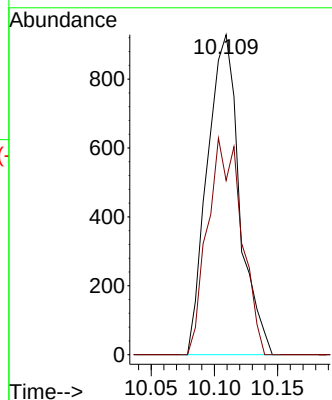
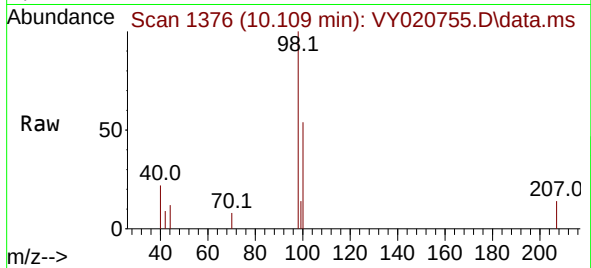




#50
Toluene-d8
Concen: 42.264 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

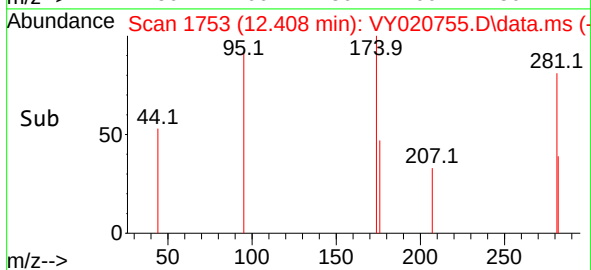
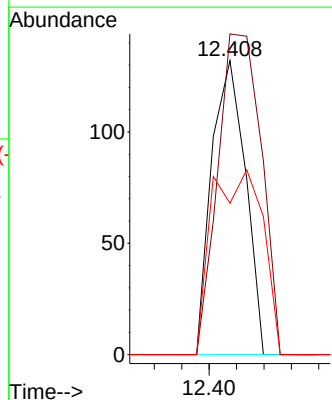
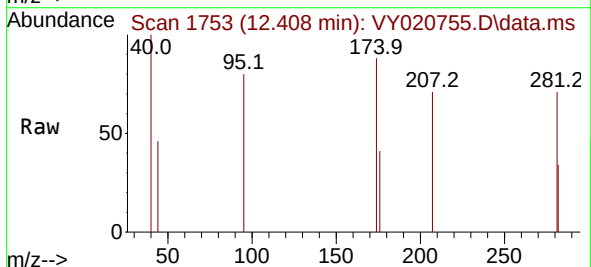
Instrument :
MSVOA_Y
ClientSampleId :

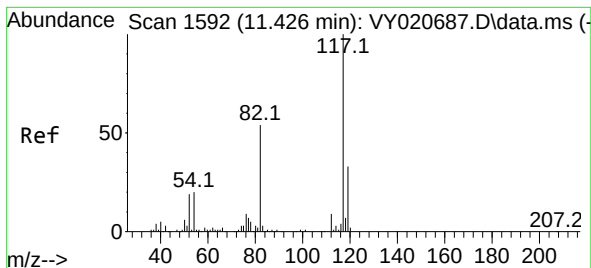
Tgt Ion: 98 Resp: 1649
Ion Ratio Lower Upper
98 100
100 71.2 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 8.610 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

Tgt Ion: 95 Resp: 113
Ion Ratio Lower Upper
95 100
174 140.7 0.0 179.2
176 94.7 0.0 179.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.012 min

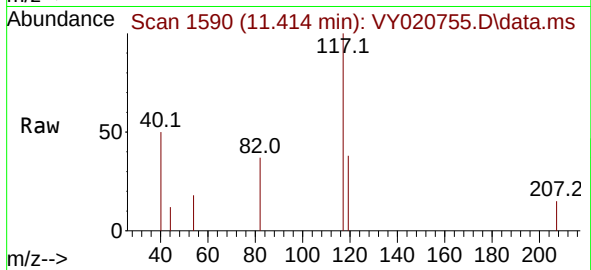
Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

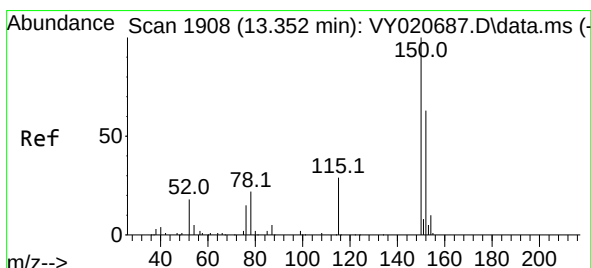
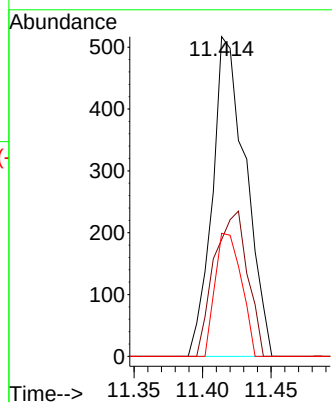
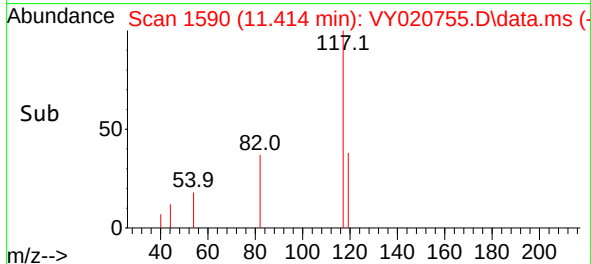
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	875
Ion	Ratio	Lower Upper
117	100	
82	36.6	43.4 65.2#
119	38.5	26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

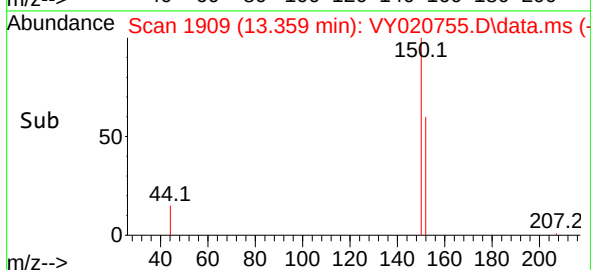
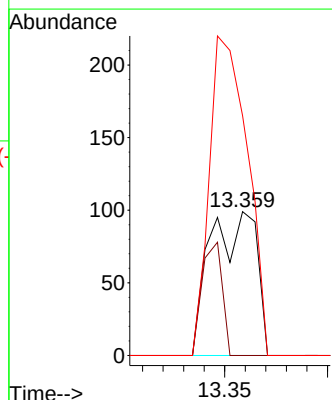
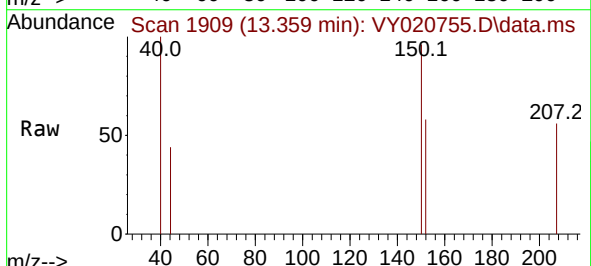
RT: 13.359 min Scan# 1909

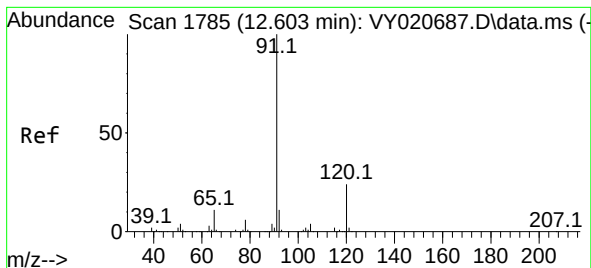
Delta R.T. 0.007 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

Tgt Ion:152	Resp:	155
Ion	Ratio	Lower Upper
152	100	
115	34.2	30.3 90.9
150	183.2	0.0 349.0





#78

n-propylbenzene

Concen: 1.745 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. 0.085 min

Lab File: VY020755.D

Acq: 30 Dec 2024 15:17

Instrument :

MSVOA_Y

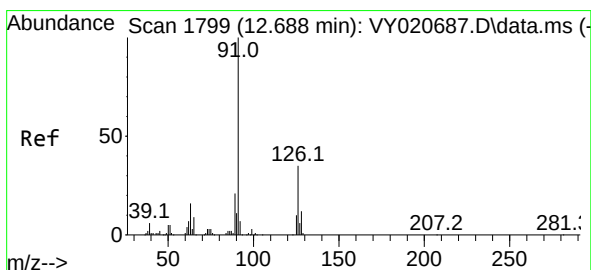
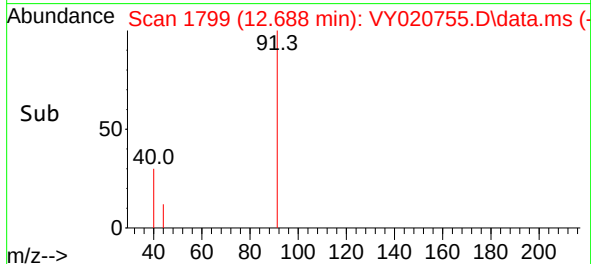
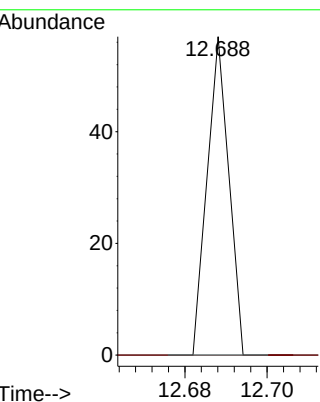
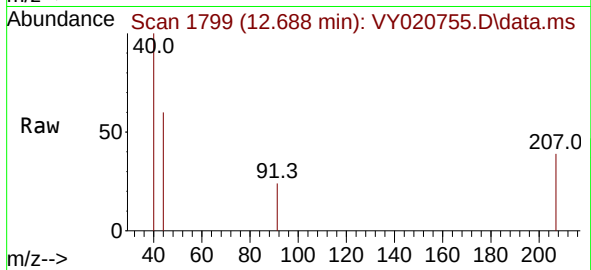
ClientSampleId :

Tgt Ion: 91 Resp: 21

Ion Ratio Lower Upper

91 100

120 0.0 12.3 36.8#



#79

2-Chlorotoluene

Concen: 3.061 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. 0.000 min

Lab File: VY020755.D

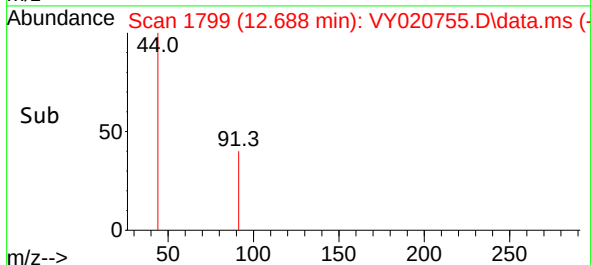
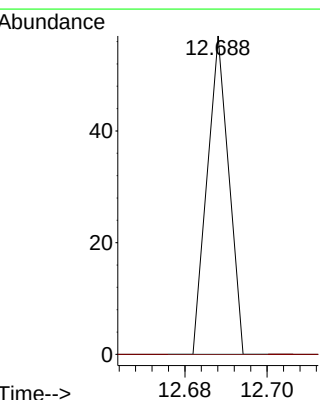
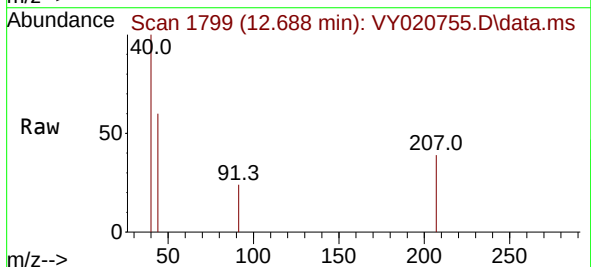
Acq: 30 Dec 2024 15:17

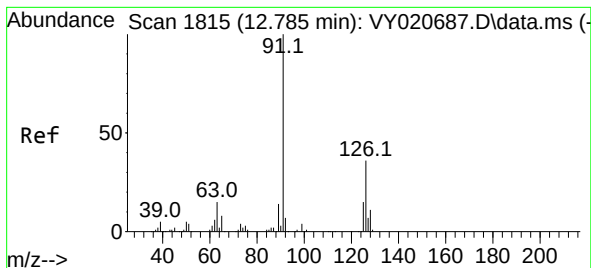
Tgt Ion: 91 Resp: 21

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.3#

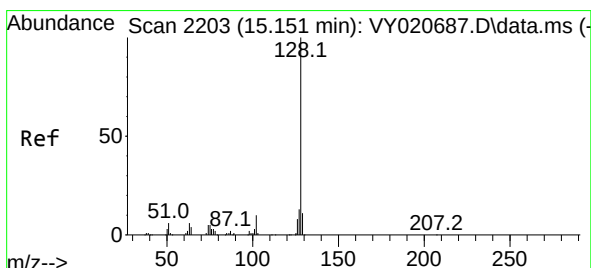
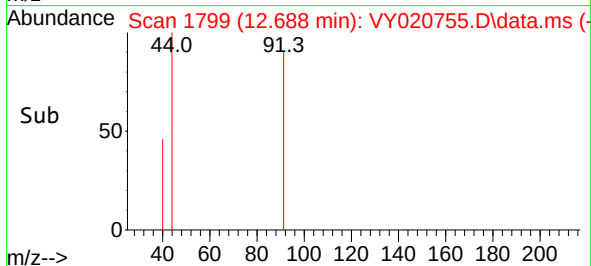
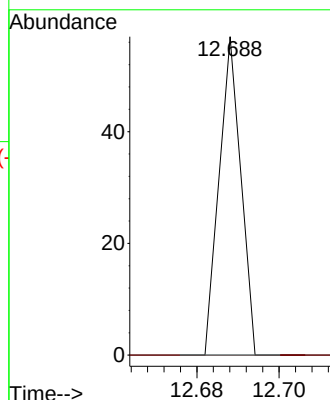
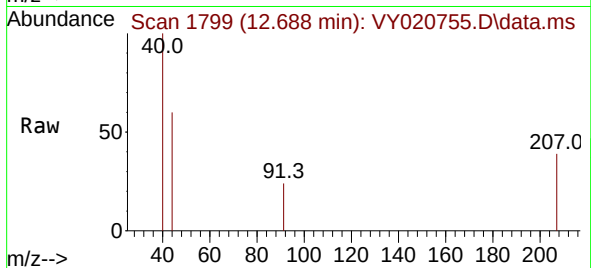




#82
4-Chlorotoluene
Concen: 2.961 ug/l
RT: 12.688 min Scan# 11
Delta R.T. -0.097 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 21
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#95
Naphthalene
Concen: 52.404 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY020755.D
Acq: 30 Dec 2024 15:17

Tgt Ion: 128 Resp: 221
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.6 12.8#

