

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021159.D
 Acq On : 10 Feb 2025 17:09
 Operator : SY/MD
 Sample : Q1343-15
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 00:32:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

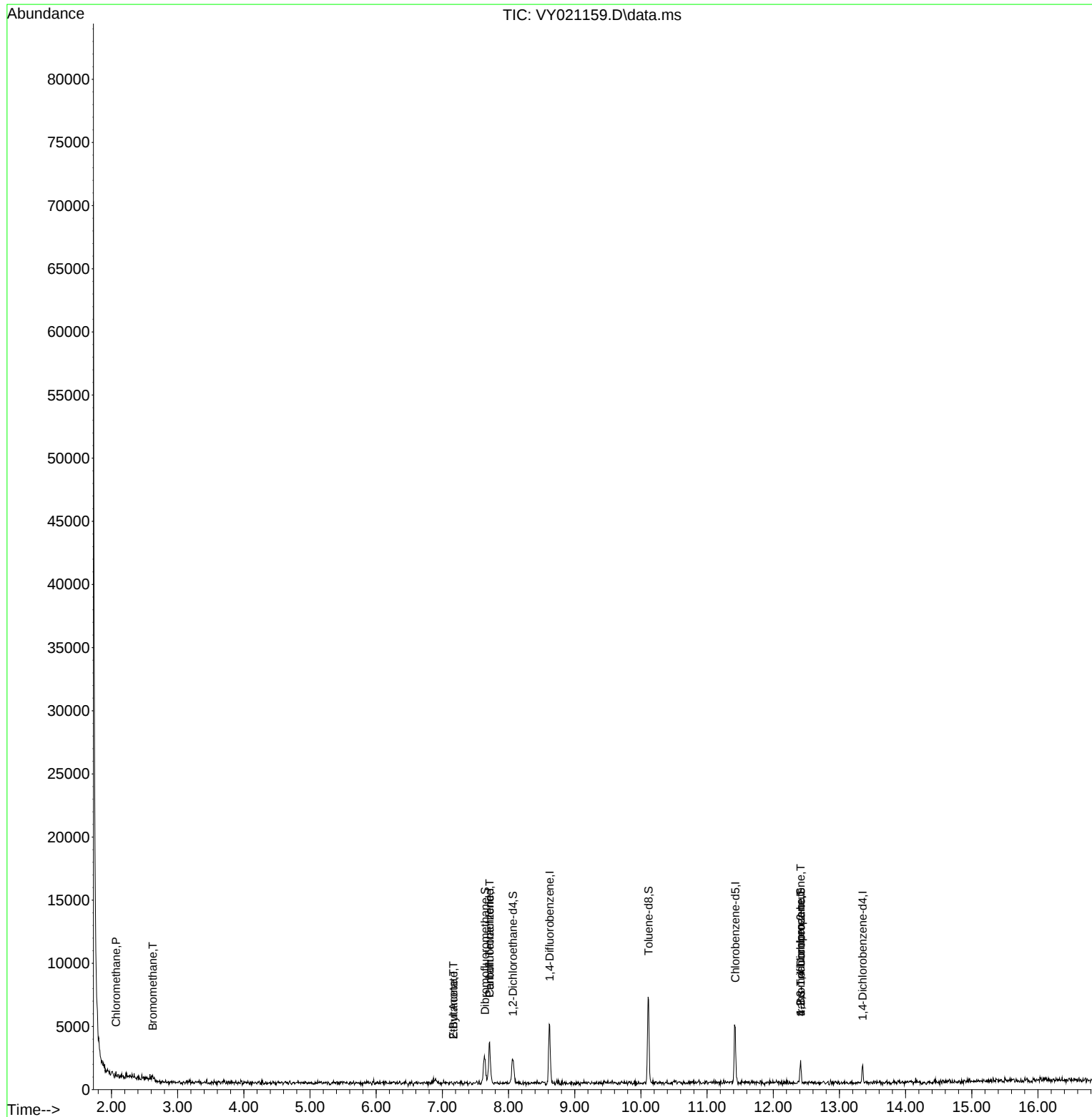
Internal Standards						
1) Pentafluorobenzene	7.713	168	2463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	4395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	2805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1954	77.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.860%	
35) Dibromofluoromethane	7.646	113	1683	59.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.500%	
50) Toluene-d8	10.115	98	5084	47.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.820%	
62) 4-Bromofluorobenzene	12.414	95	552	15.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 31.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	67	3.093	ug/l #	41
5) Bromomethane	2.623	94	74	5.491	ug/l	80
25) 2-Butanone	7.165	43	19	2.938	ug/l #	48
37) Ethyl Acetate	7.165	43	19	1.038	ug/l #	69
38) Carbon Tetrachloride	7.713	117	206	4.226	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	315	89.498	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	315	182.618	ug/l #	12

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

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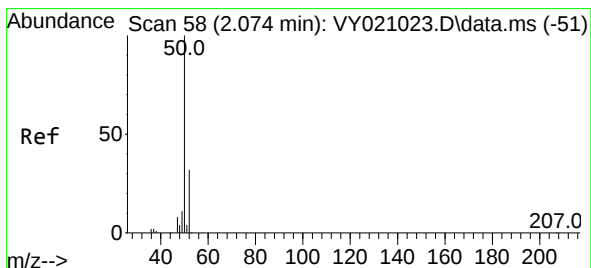
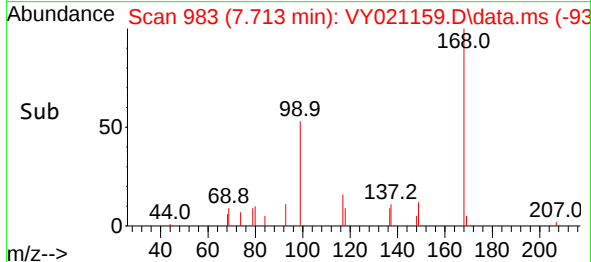
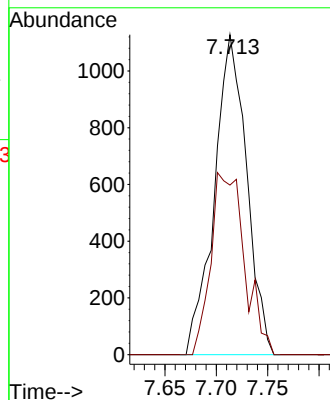
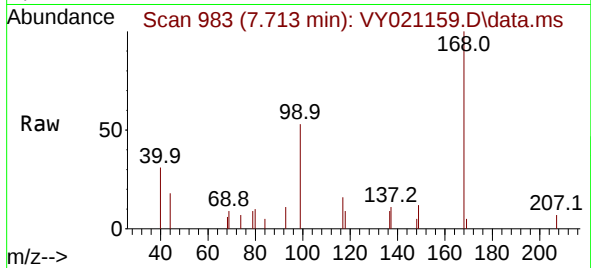




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

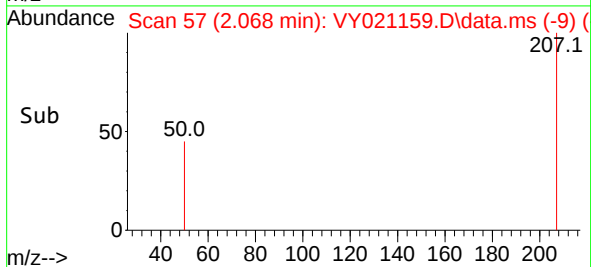
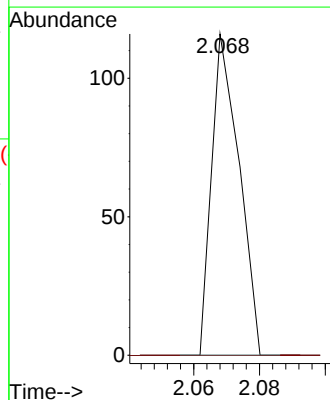
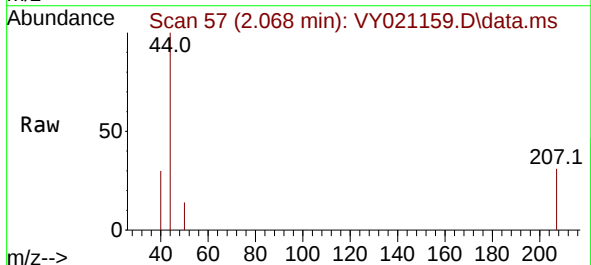
Instrument :
MSVOA_Y
ClientSampleId :

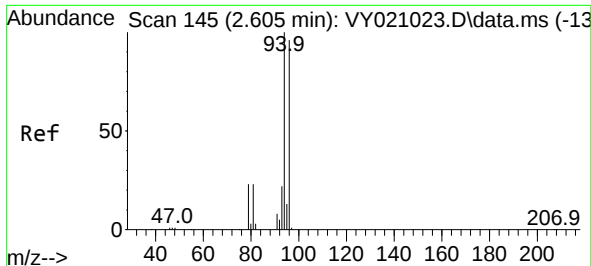
Tgt Ion:168 Resp: 2463
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#3
Chloromethane
Concen: 3.093 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

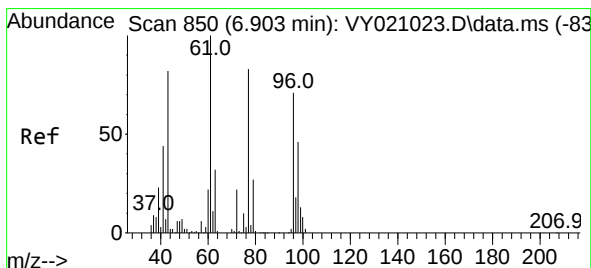
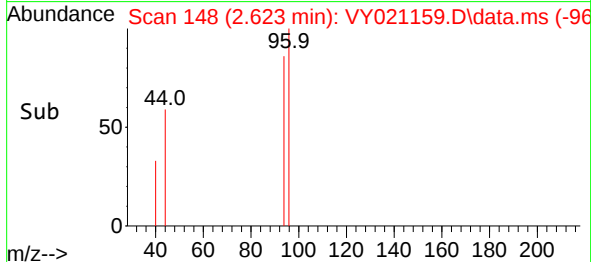
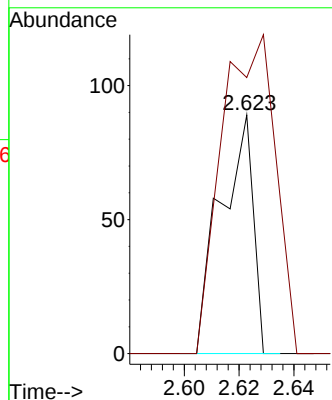
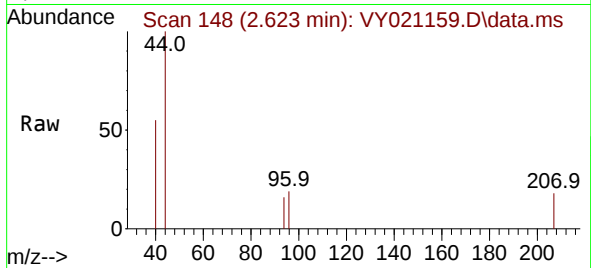




#5
Bromomethane
Concen: 5.491 ug/l
RT: 2.623 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

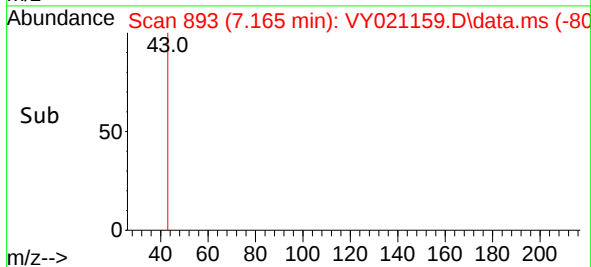
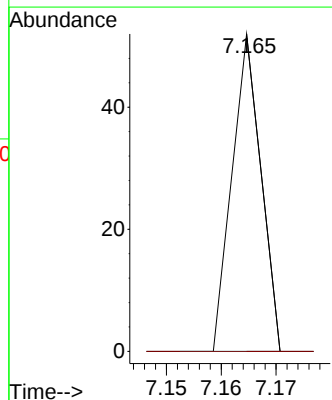
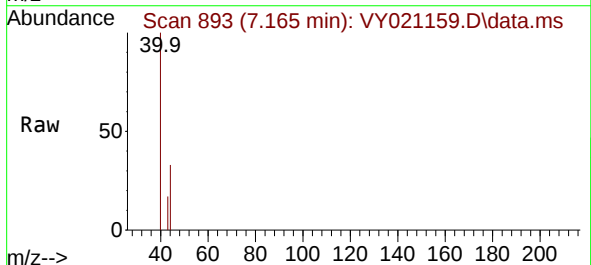
Instrument :
MSVOA_Y
ClientSampleId :

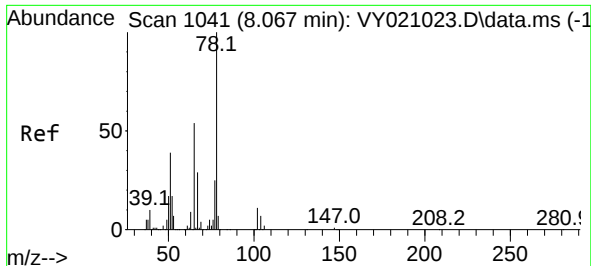
Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 115.7 77.3 115.9



#25
2-Butanone
Concen: 2.938 ug/l
RT: 7.165 min Scan# 893
Delta R.T. 0.262 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#33

1,2-Dichloroethane-d4

Concen: 77.431 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021159.D

Acq: 10 Feb 2025 17:09

Instrument :

MSVOA_Y

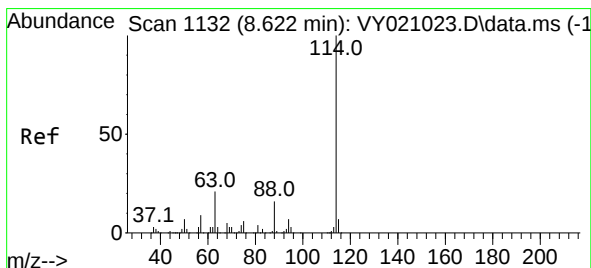
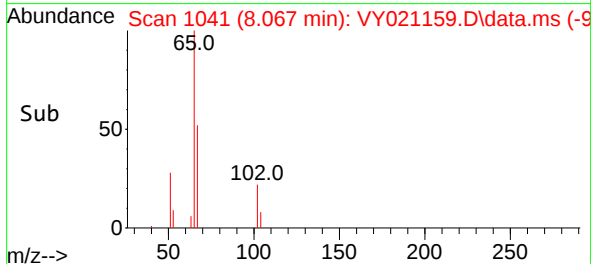
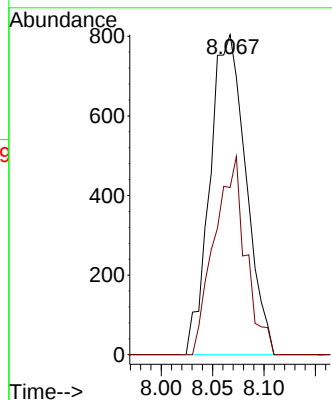
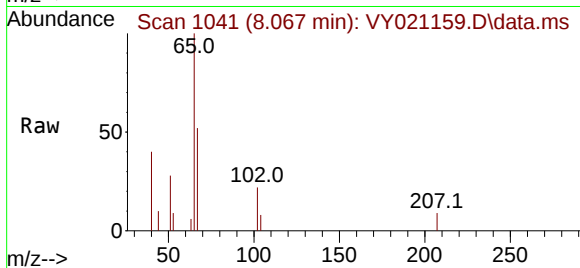
ClientSampleId :

Tgt Ion: 65 Resp: 1954

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021159.D

Acq: 10 Feb 2025 17:09

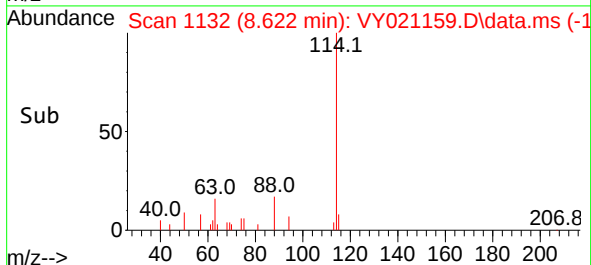
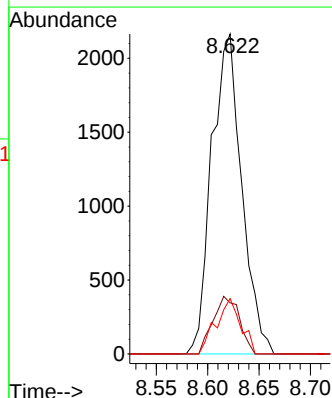
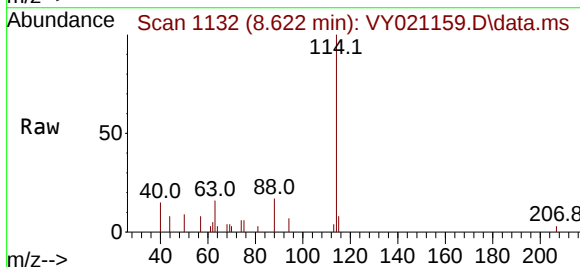
Tgt Ion: 114 Resp: 4395

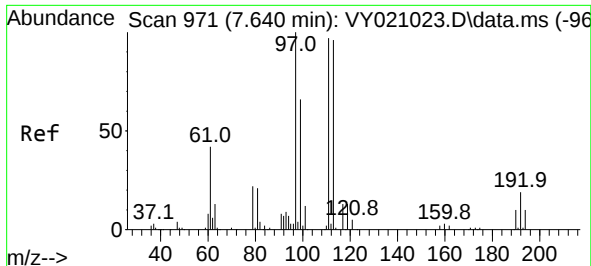
Ion Ratio Lower Upper

114 100

63 15.9 0.0 37.4

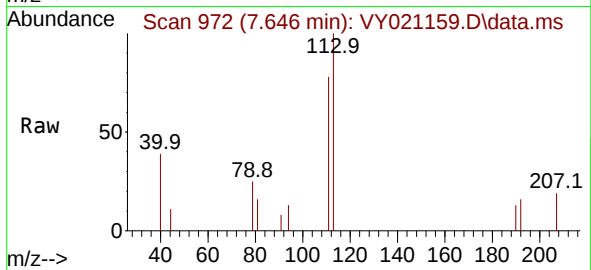
88 17.3 0.0 29.0



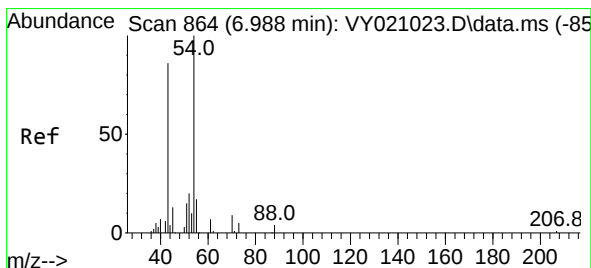
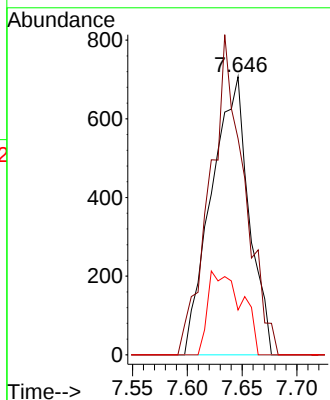
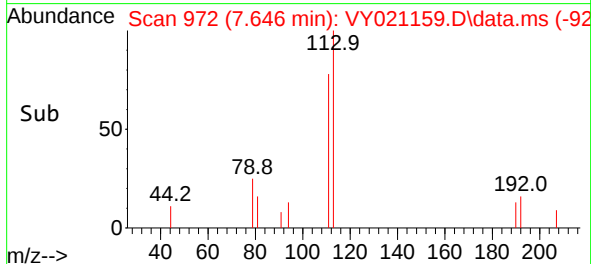


#35
 Dibromofluoromethane
 Concen: 59.753 ug/l
 RT: 7.646 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY021159.D
 Acq: 10 Feb 2025 17:09

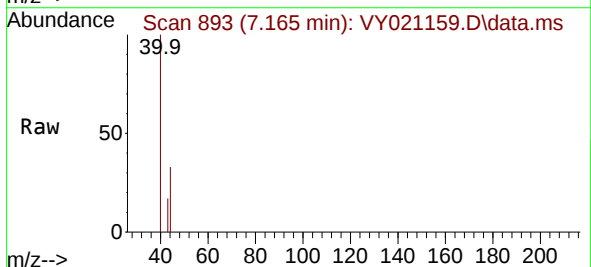
Instrument :
 MSVOA_Y
 ClientSampleId :



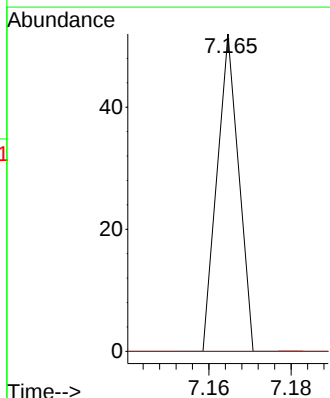
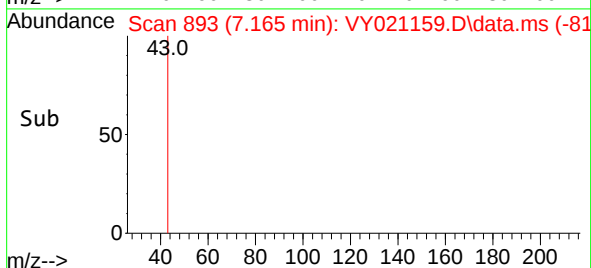
Tgt Ion:113 Resp: 1683
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.8 125.6
 192 0.0 14.5 21.7#

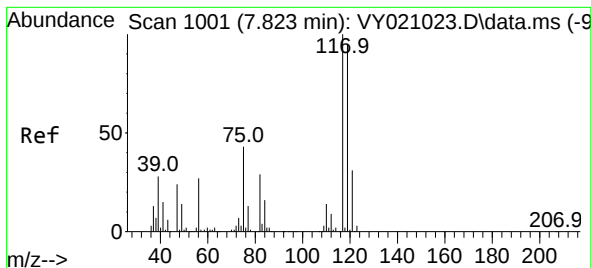


#37
 Ethyl Acetate
 Concen: 1.038 ug/l
 RT: 7.165 min Scan# 893
 Delta R.T. 0.177 min
 Lab File: VY021159.D
 Acq: 10 Feb 2025 17:09



Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.6#
 70 0.0 8.1 12.1#





#38

Carbon Tetrachloride

Concen: 4.226 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

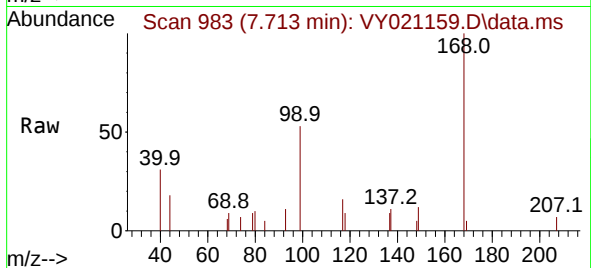
Lab File: VY021159.D

Acq: 10 Feb 2025 17:09

Instrument :

MSVOA_Y

ClientSampleId :



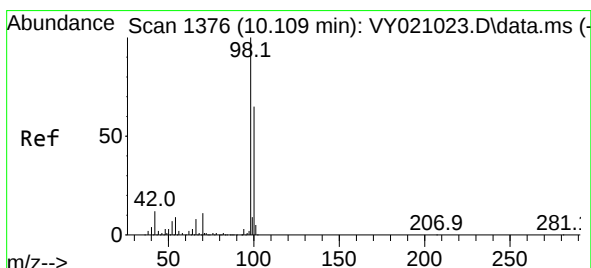
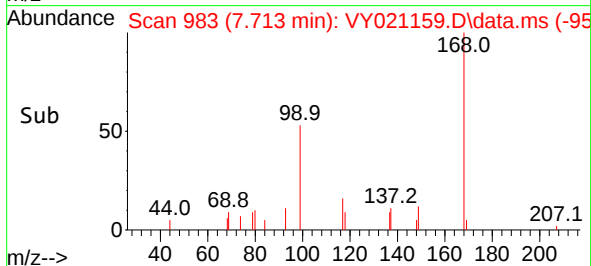
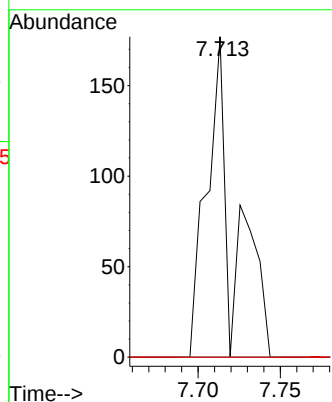
Tgt Ion:117 Resp: 206

Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 47.412 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021159.D

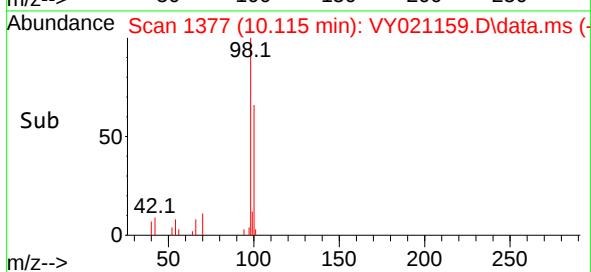
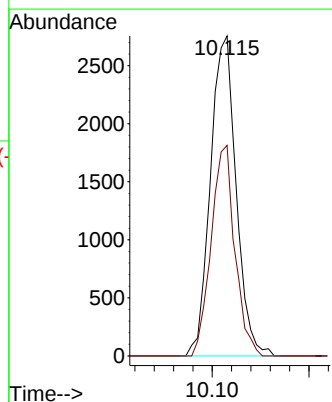
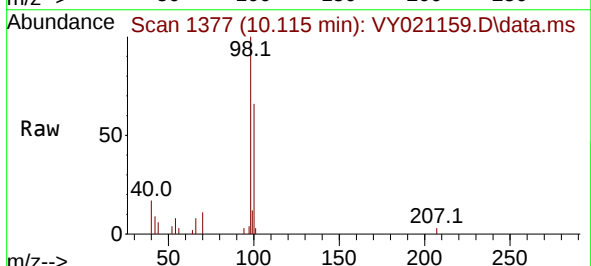
Acq: 10 Feb 2025 17:09

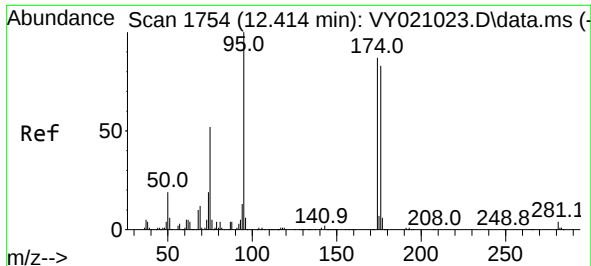
Tgt Ion: 98 Resp: 5084

Ion Ratio Lower Upper

98 100

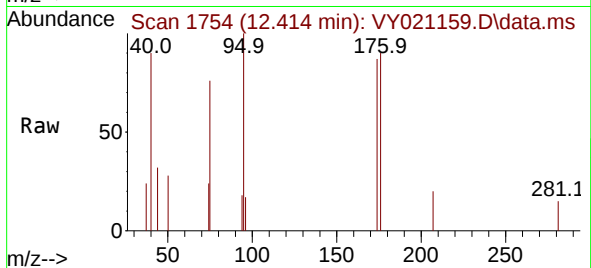
100 60.7 52.3 78.5



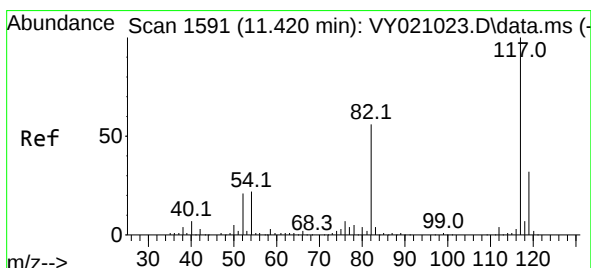
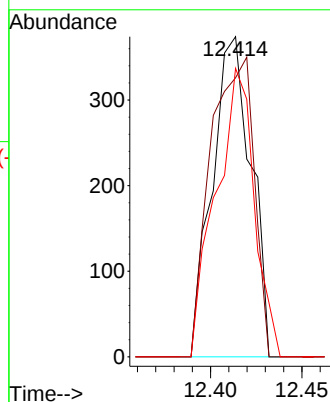
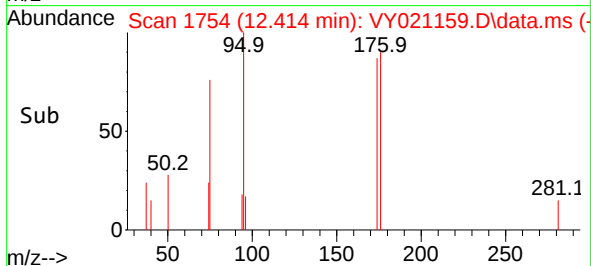


#62
4-Bromofluorobenzene
Concen: 15.757 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

Instrument :
MSVOA_Y
ClientSampleId :

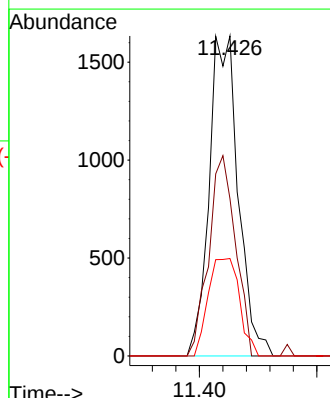
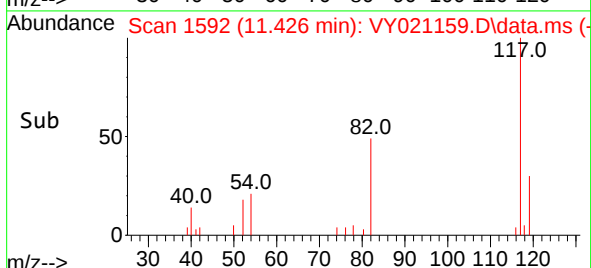
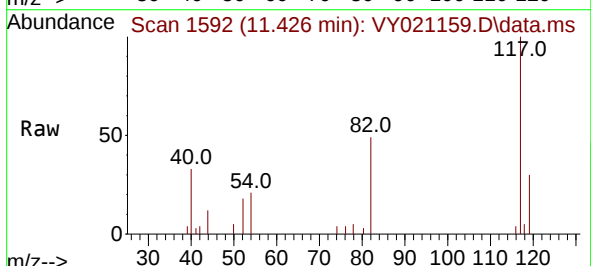


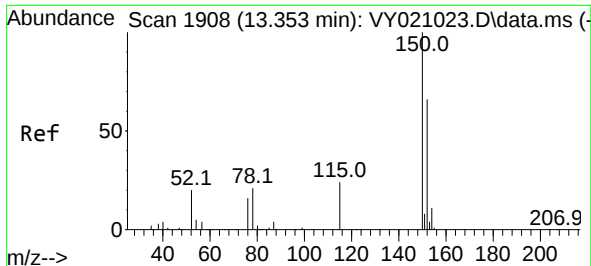
Tgt Ion: 95	Resp: 552
Ion Ratio	Lower Upper
95	100
174	104.2 0.0 160.0
176	89.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021159.D
Acq: 10 Feb 2025 17:09

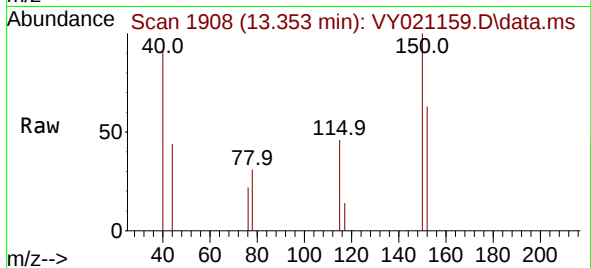
Tgt Ion: 117	Resp: 2805
Ion Ratio	Lower Upper
117	100
82	49.1 43.8 65.8
119	30.5 26.5 39.7





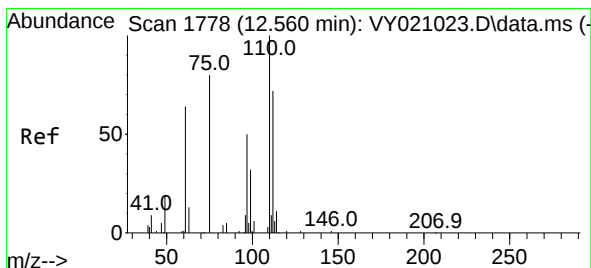
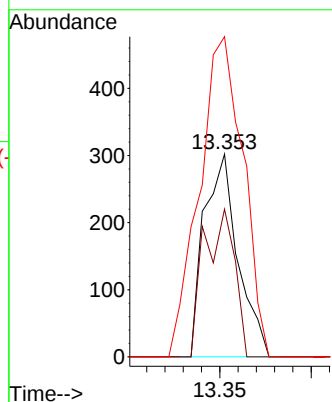
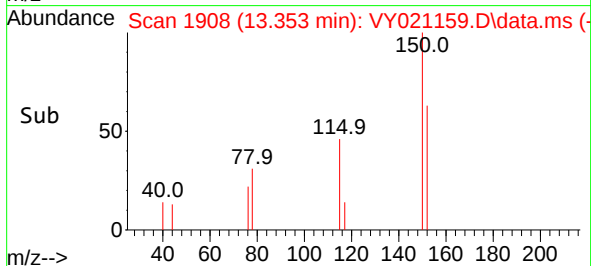
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021159.D
 Acq: 10 Feb 2025 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:152 Resp: 388

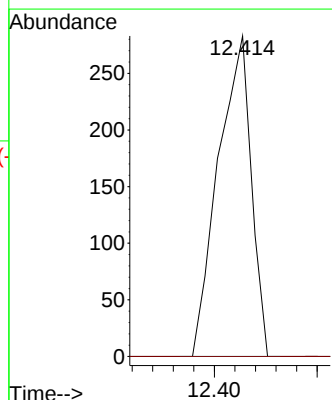
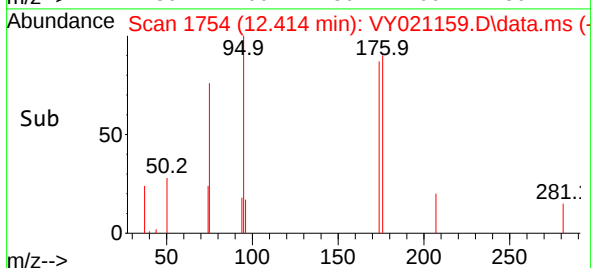
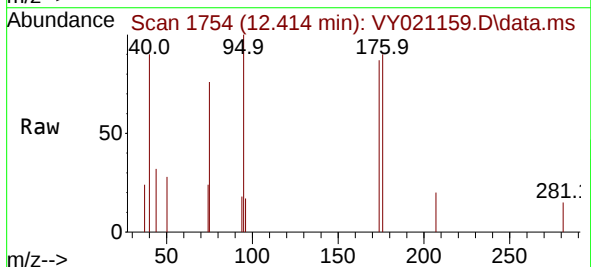
Ion	Ratio	Lower	Upper
152	100		
115	65.7	30.0	90.0
150	204.6	0.0	344.6

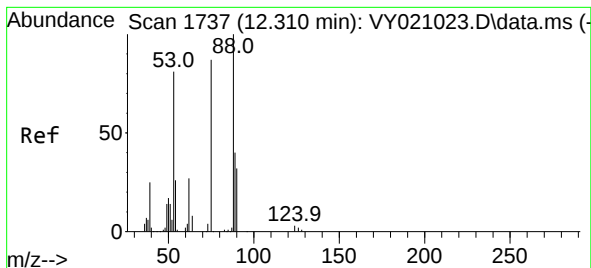


#76
 1,2,3-Trichloropropane
 Concen: 89.498 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021159.D
 Acq: 10 Feb 2025 17:09

Tgt Ion: 75 Resp: 315

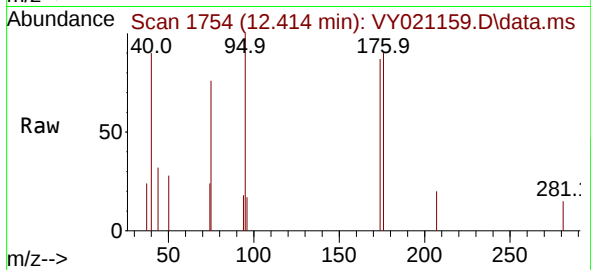
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 182.618 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021159.D
 Acq: 10 Feb 2025 17:09

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

