

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021157.D
 Acq On : 10 Feb 2025 16:22
 Operator : SY/MD
 Sample : Q1343-03
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 00:31:32 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)

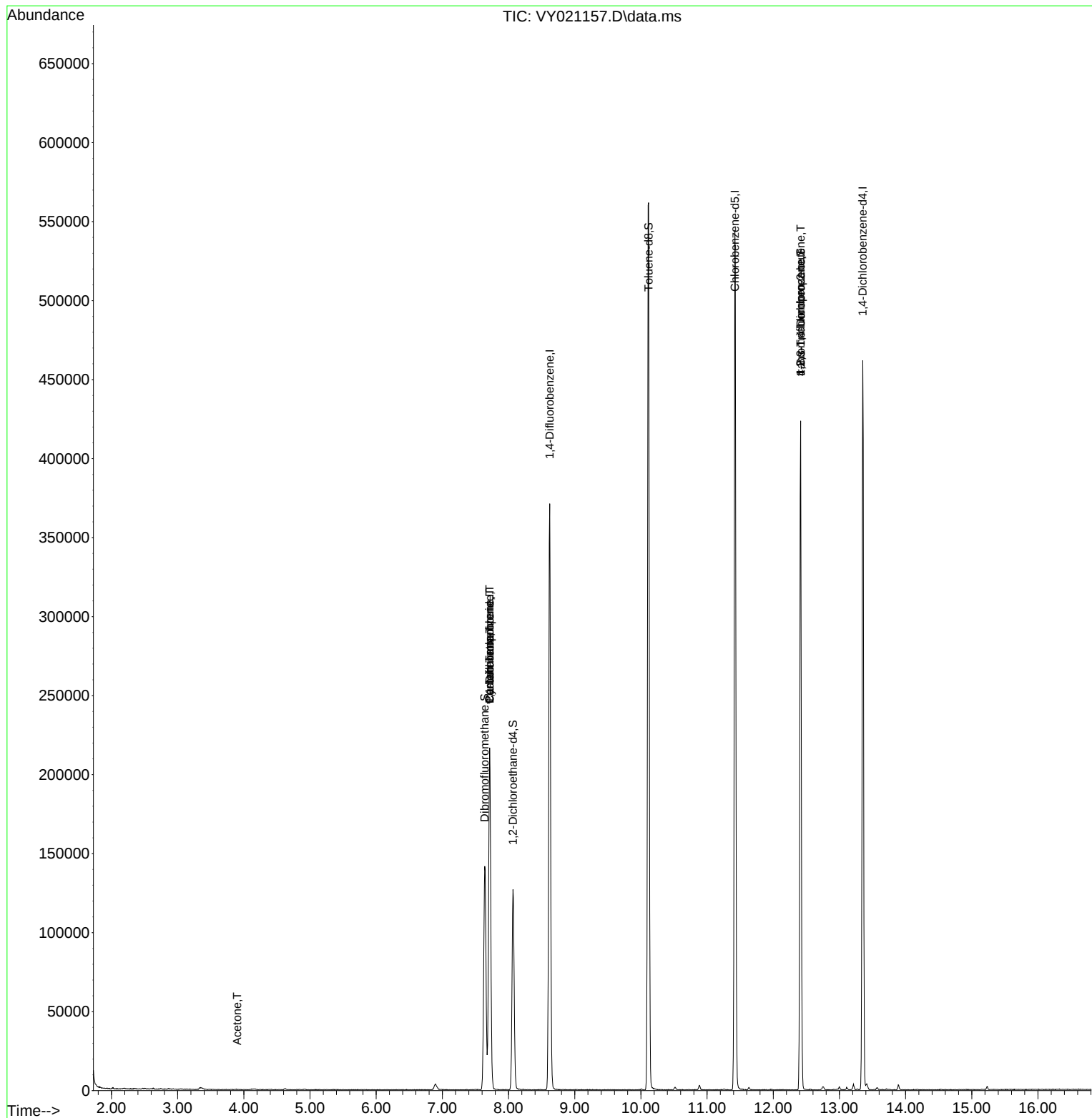
Internal Standards						
1) Pentafluorobenzene	7.713	168	162812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	303850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	283669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	111568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	102404	61.388	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.780%	
35) Dibromofluoromethane	7.640	113	101599	52.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.115	98	366055	49.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	12.414	95	120319	49.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	415	1.595	ug/l #	41
31) Cyclohexane	7.713	56	3698	1.300	ug/l #	5
36) 1,1-Dichloropropene	7.713	75	13300	4.611	ug/l #	50
38) Carbon Tetrachloride	7.713	117	16625	4.933	ug/l #	15
76) 1,2,3-Trichloropropane	12.414	75	67748	66.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	67748	136.591	ug/l #	12

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

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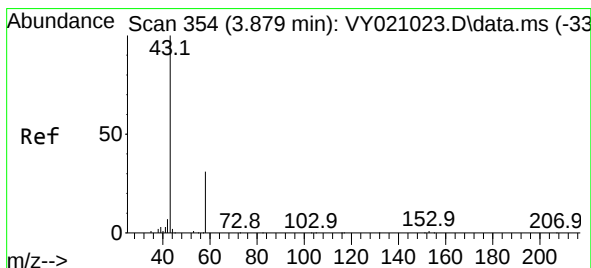
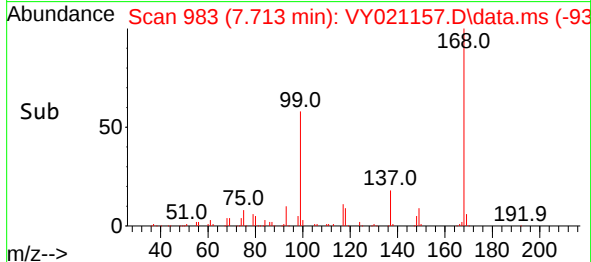
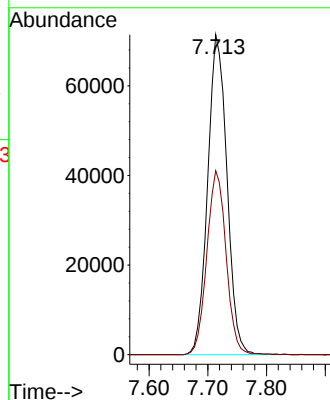
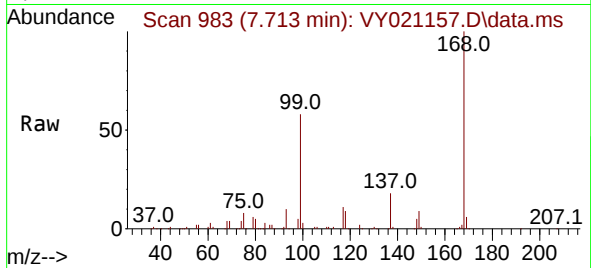




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

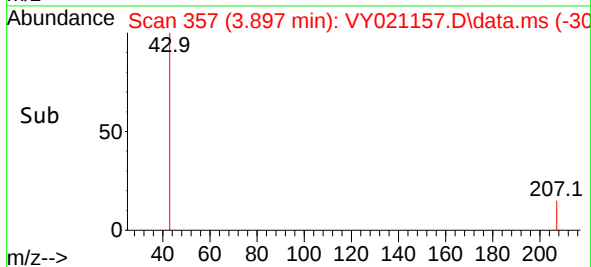
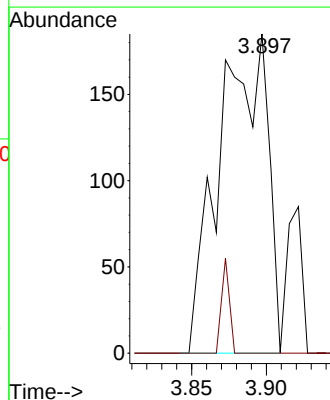
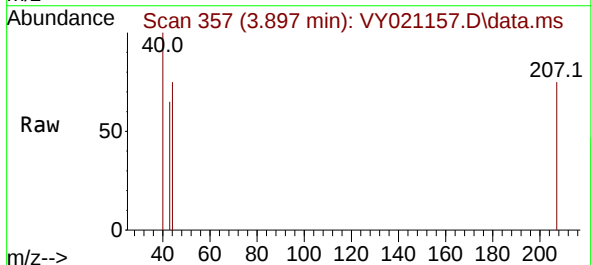
Instrument :
MSVOA_Y
ClientSampleId :

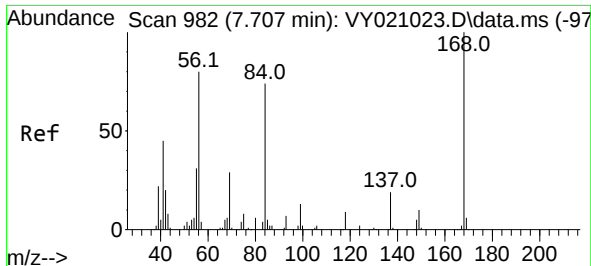
Tgt Ion:168 Resp: 162812
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#16
Acetone
Concen: 1.595 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#

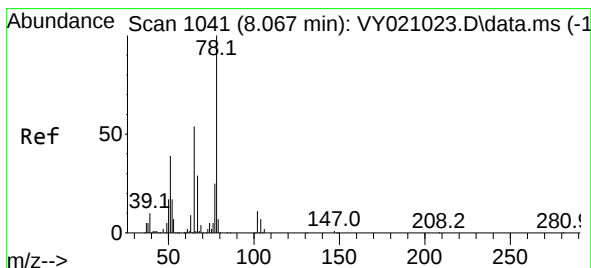
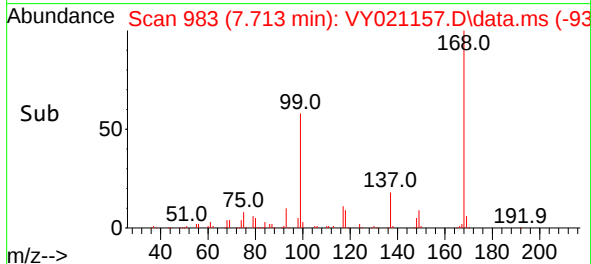
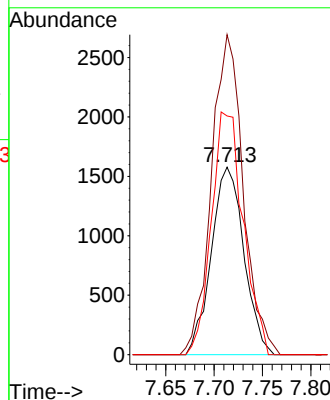
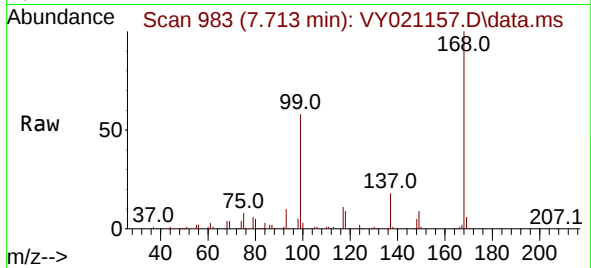




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

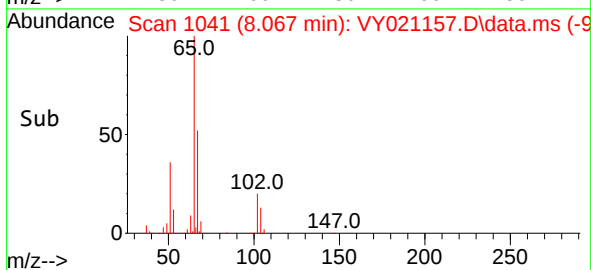
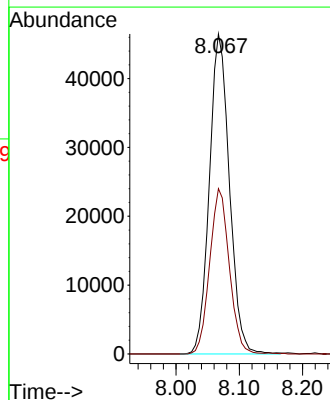
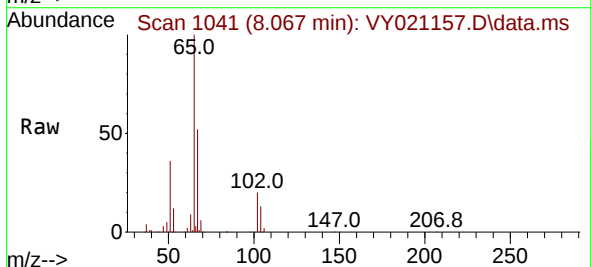
Instrument :
MSVOA_Y
ClientSampleId :

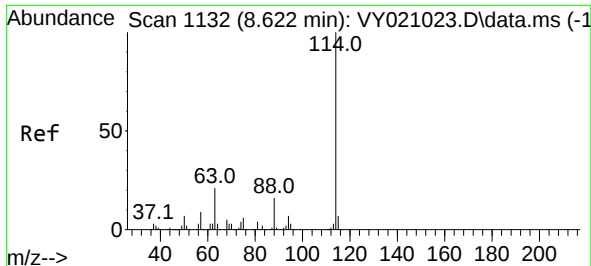
Tgt Ion: 56 Resp: 3698
Ion Ratio Lower Upper
56 100
69 170.7 27.0 40.6#
84 127.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 61.388 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

Tgt Ion: 65 Resp: 102404
Ion Ratio Lower Upper
65 100
67 50.7 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: VY021157.D

Acq: 10 Feb 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

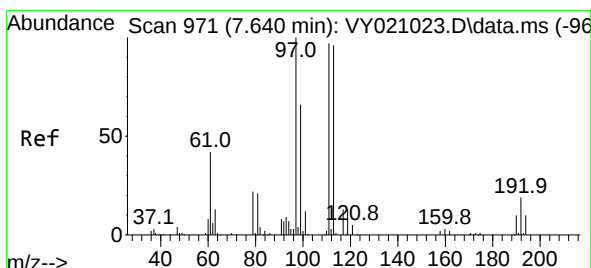
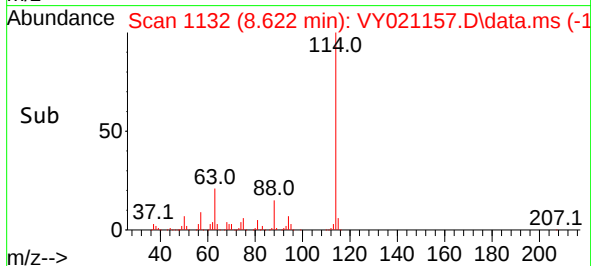
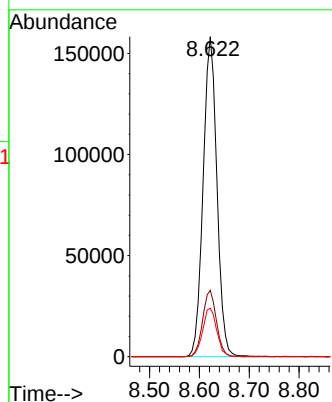
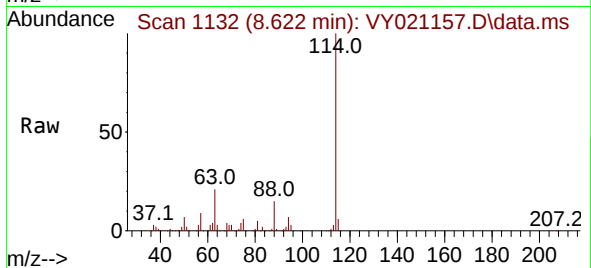
Tgt Ion:114 Resp: 303850

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.175 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021157.D

Acq: 10 Feb 2025 16:22

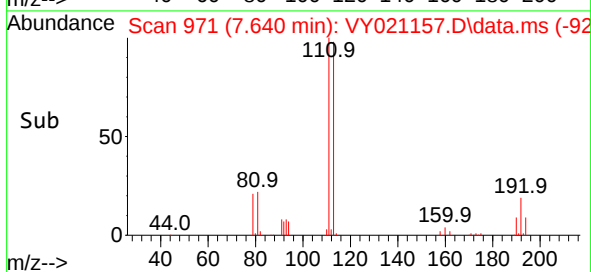
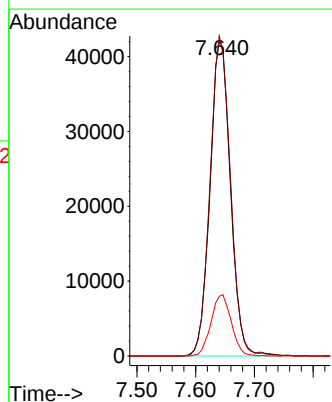
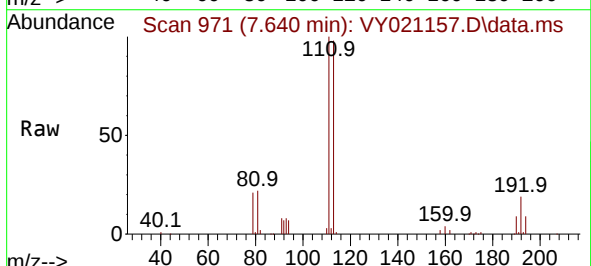
Tgt Ion:113 Resp: 101599

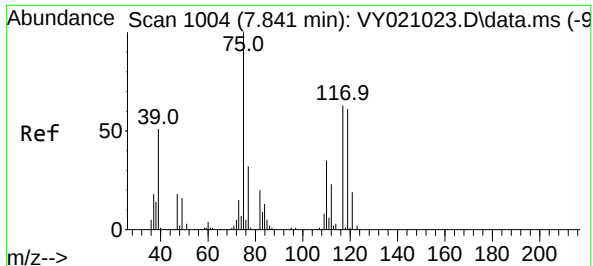
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 19.3 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021157.D

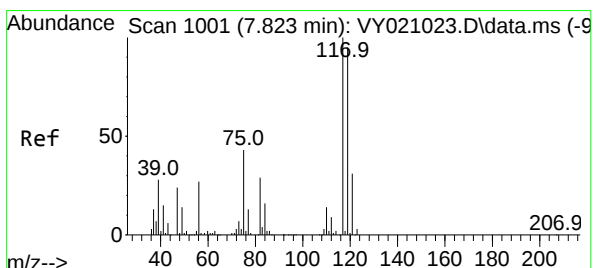
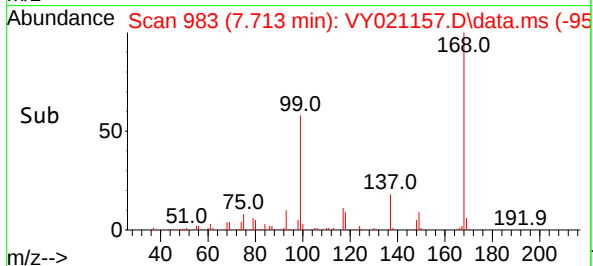
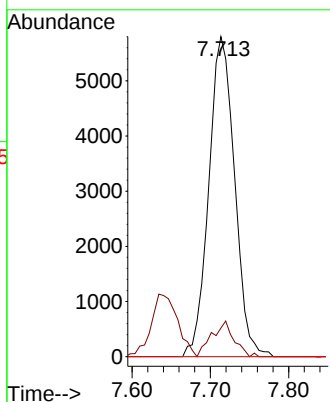
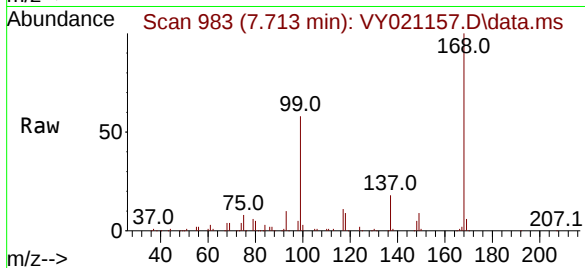
Acq: 10 Feb 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	13300
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.933 ug/l

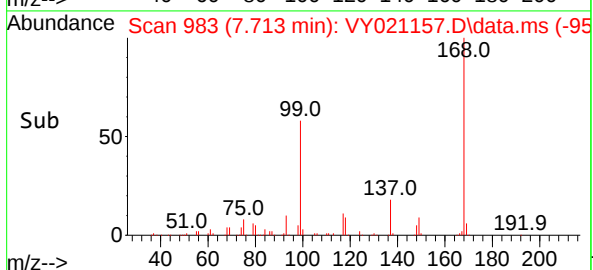
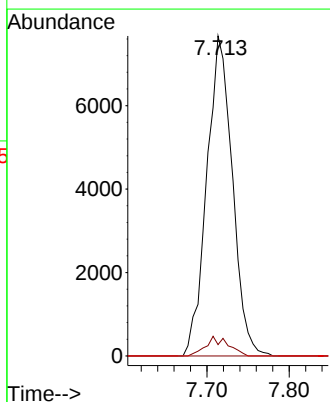
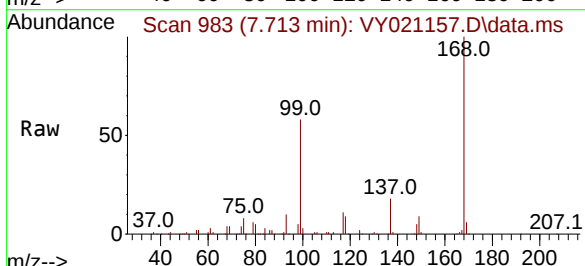
RT: 7.713 min Scan# 983

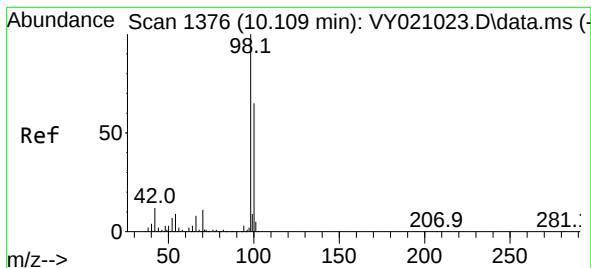
Delta R.T. -0.110 min

Lab File: VY021157.D

Acq: 10 Feb 2025 16:22

Tgt Ion:	117	Resp:	16625
Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.0	114.0#
121	0.0	24.2	36.2#

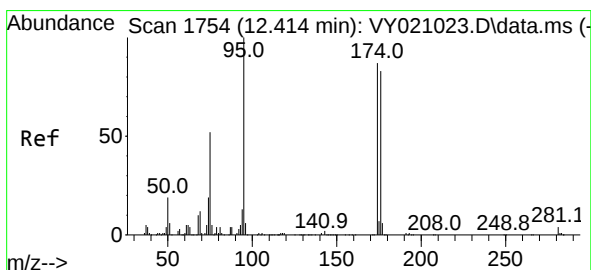
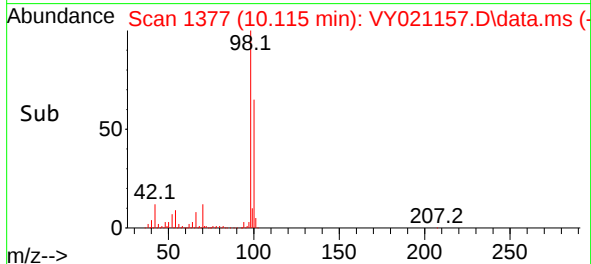
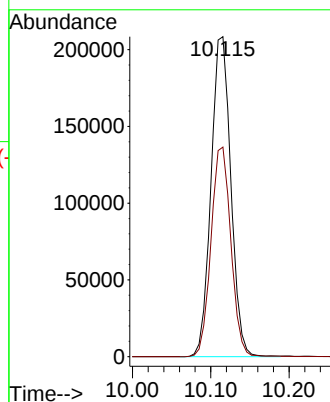
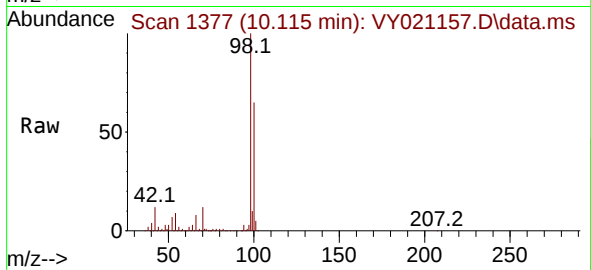




#50
Toluene-d8
Concen: 49.377 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

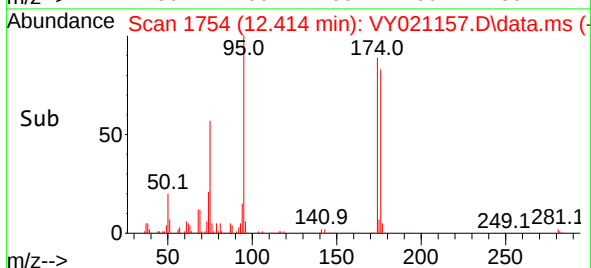
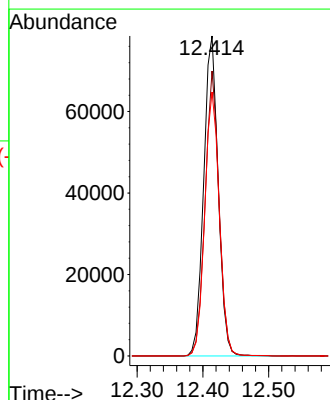
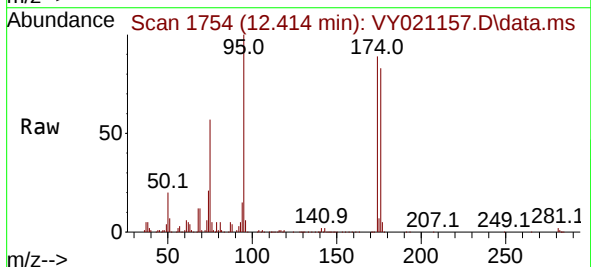
Instrument :
MSVOA_Y
ClientSampleId :

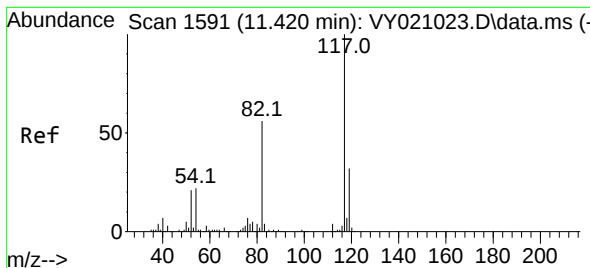
Tgt Ion: 98 Resp: 366055
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.679 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

Tgt Ion: 95 Resp: 120319
Ion Ratio Lower Upper
95 100
174 86.1 0.0 160.0
176 83.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

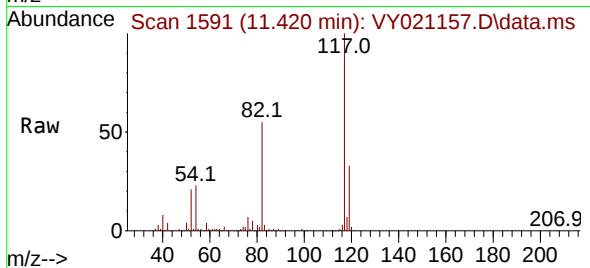
Lab File: VY021157.D

Acq: 10 Feb 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :



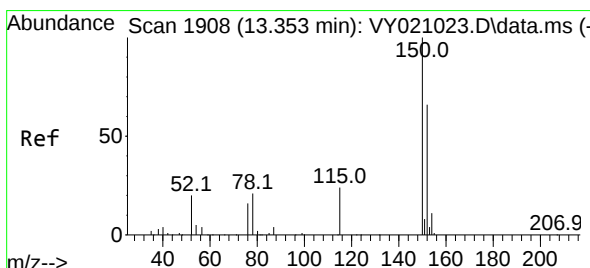
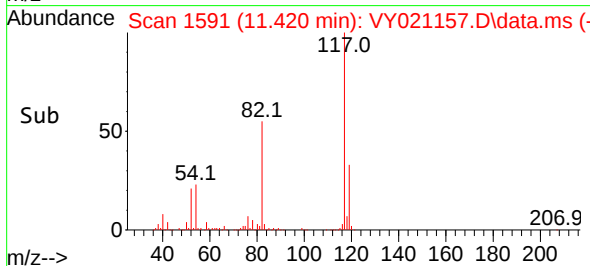
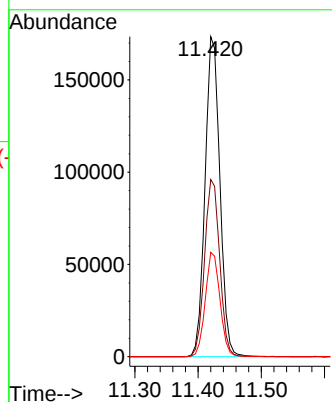
Tgt Ion:117 Resp: 283669

Ion Ratio Lower Upper

117 100

82 55.3 43.8 65.8

119 32.6 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: VY021157.D

Acq: 10 Feb 2025 16:22

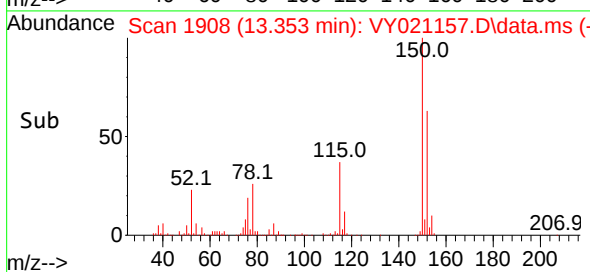
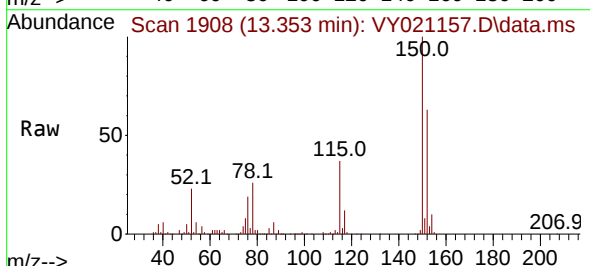
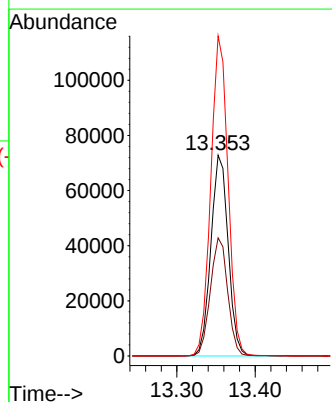
Tgt Ion:152 Resp: 111568

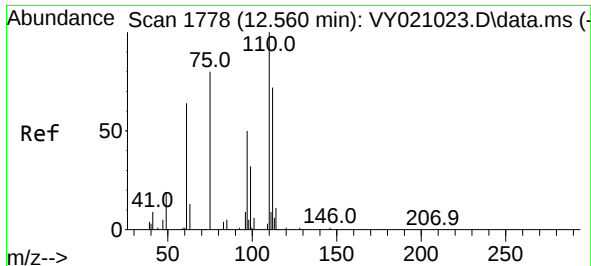
Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 158.9 0.0 344.6

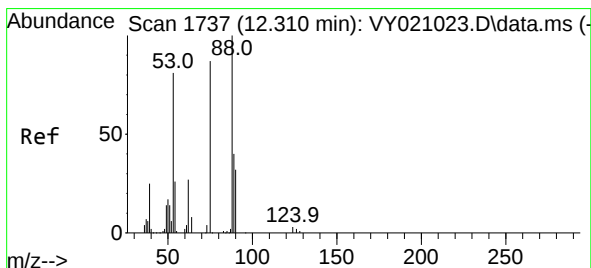
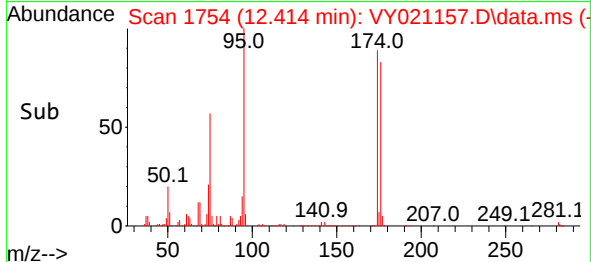
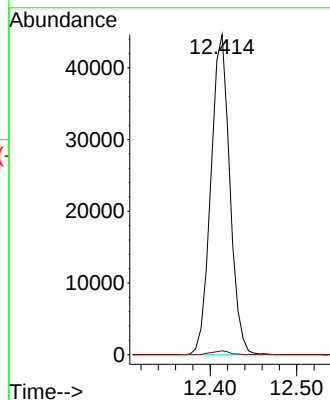
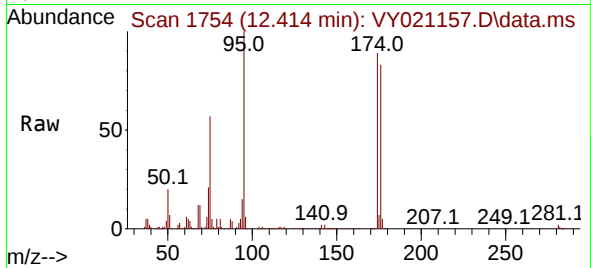




#76
1,2,3-Trichloropropane
Concen: 66.941 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 67748
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.591 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021157.D
Acq: 10 Feb 2025 16:22

Tgt Ion: 75 Resp: 67748
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

