

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021119.D
 Acq On : 06 Feb 2025 18:18
 Operator : SY/MD
 Sample : Q1309-03
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:36:00 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)

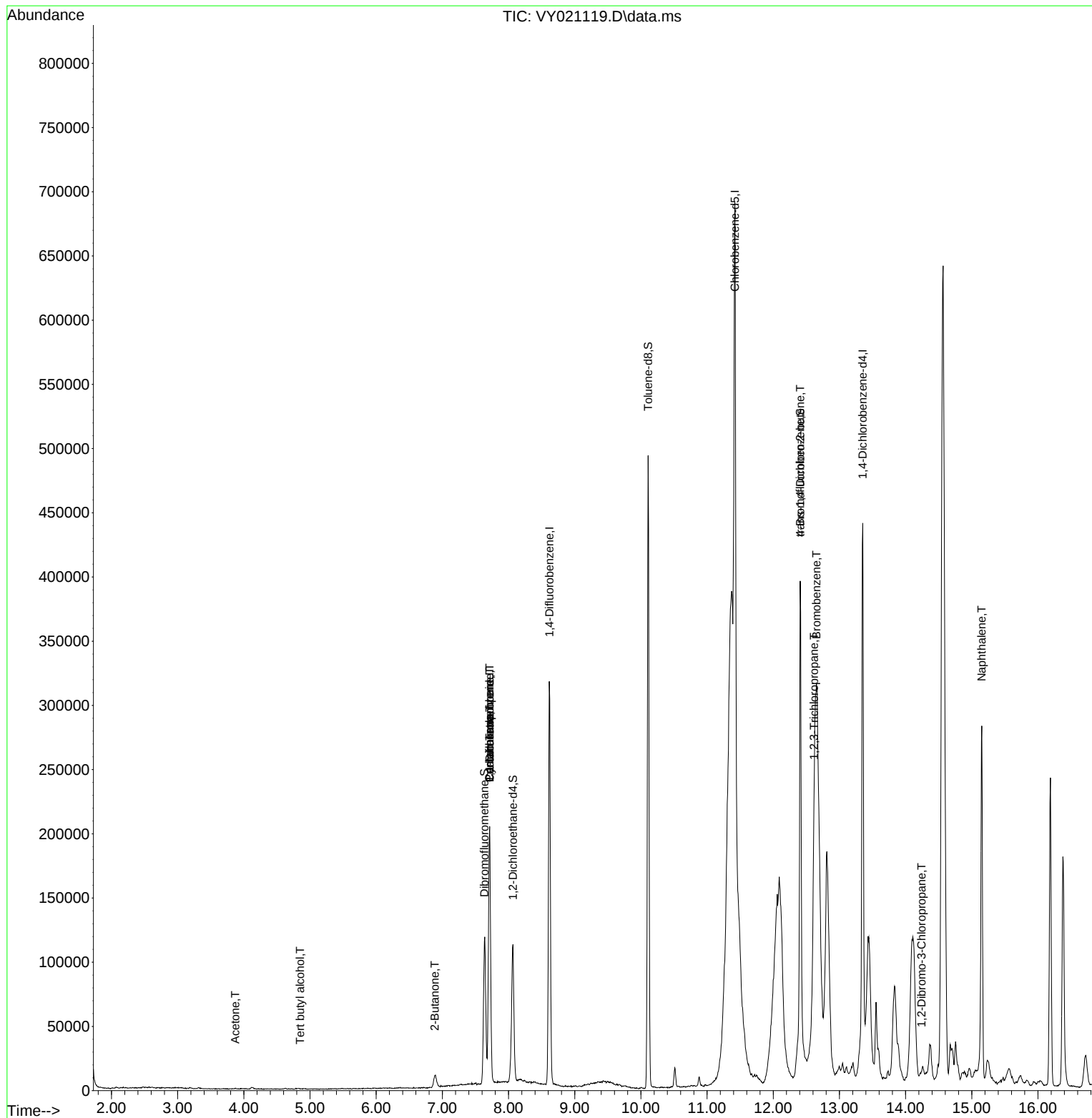
Internal Standards						
1) Pentafluorobenzene	7.713	168	155362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	105081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79489	49.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.880%
35) Dibromofluoromethane	7.634	113	81404	48.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.060%
50) Toluene-d8	10.109	98	310991	48.193	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.380%
62) 4-Bromofluorobenzene	12.408	95	104430	49.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	338	3.133	ug/l #	75
16) Acetone	3.873	43	903	3.638	ug/l	99
25) 2-Butanone	6.884	43	574	1.407	ug/l #	48
31) Cyclohexane	7.713	56	3286	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	12163	4.845	ug/l #	52
38) Carbon Tetrachloride	7.713	117	15571	5.308	ug/l #	17
76) 1,2,3-Trichloropropane	12.615	75	4674	4.903	ug/l #	100
77) Bromobenzene	12.651	156	424752	224.238	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	61967	132.648	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.243	75	360	1.765	ug/l #	25
95) Naphthalene	15.151	128	217148	76.813	ug/l	100

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

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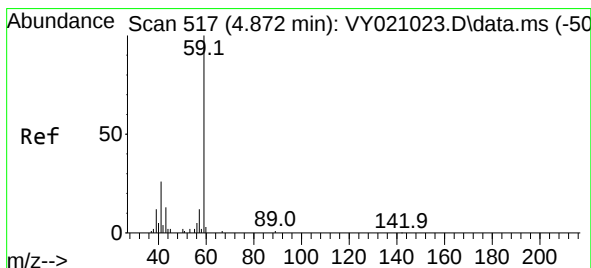
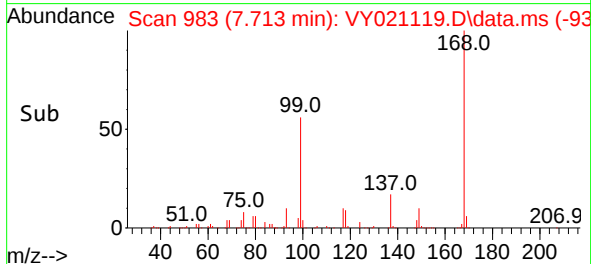
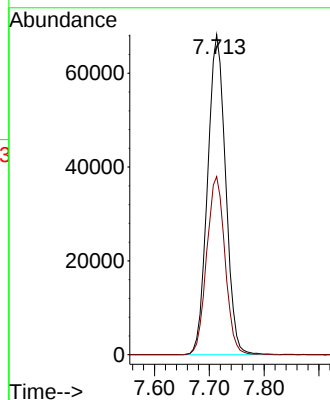
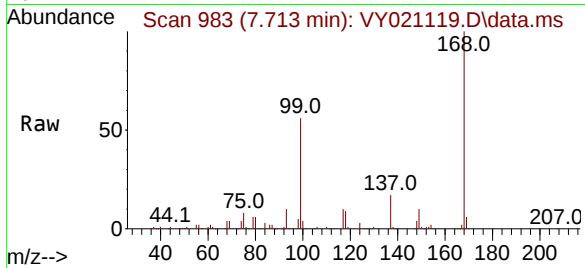




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

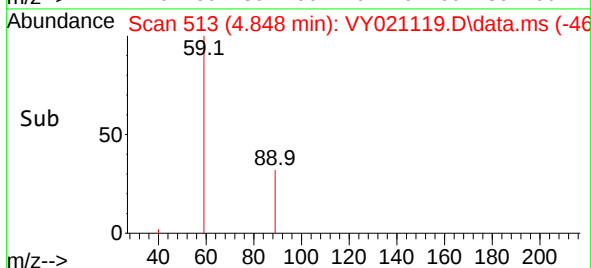
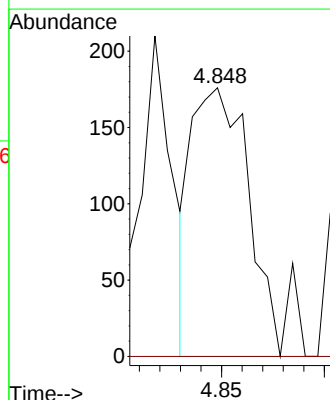
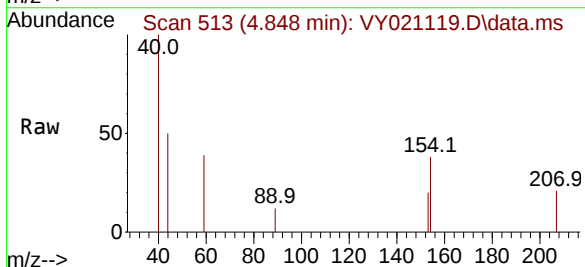
Instrument :
MSVOA_Y
ClientSampleId :

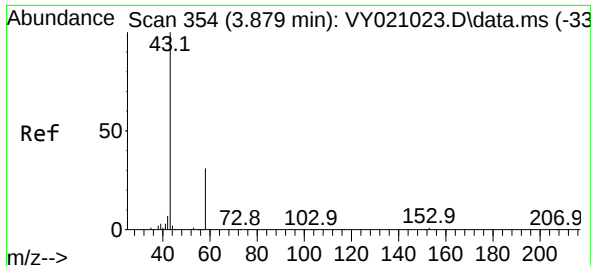
Tgt Ion:168 Resp: 155362
Ion Ratio Lower Upper
168 100
99 55.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.133 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

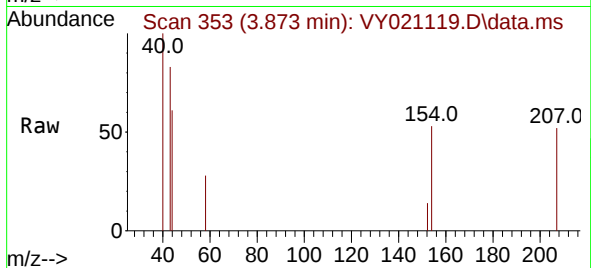
Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



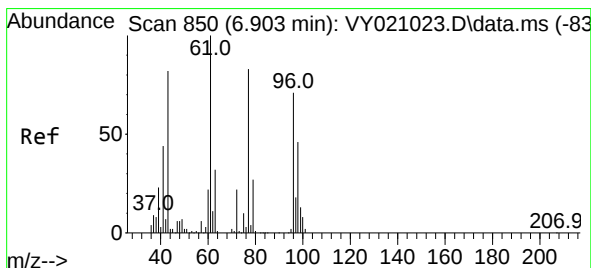
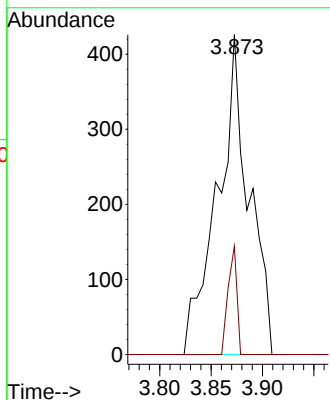
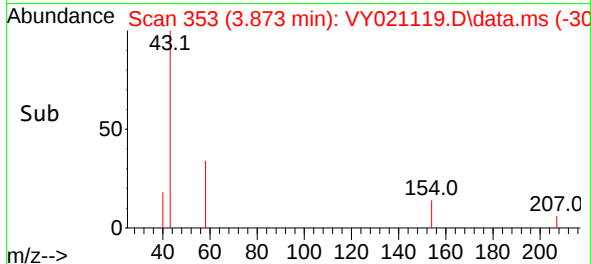


#16
Acetone
Concen: 3.638 ug/l
RT: 3.873 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Instrument :
MSVOA_Y
ClientSampleId :

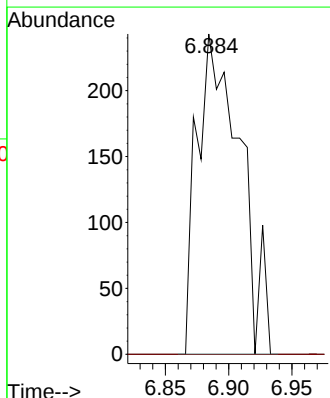
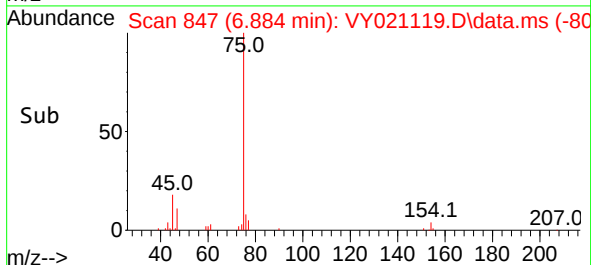
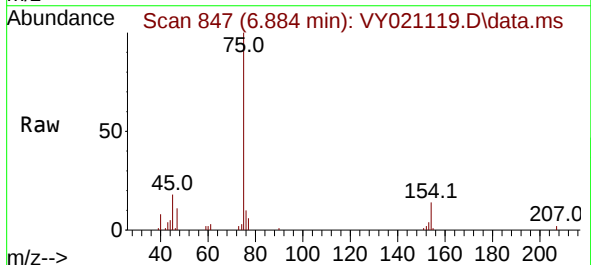


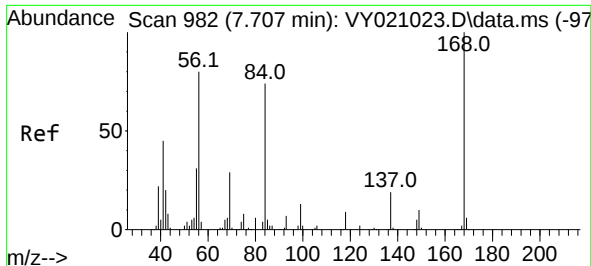
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 33.8 26.6 39.8



#25
2-Butanone
Concen: 1.407 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.018 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

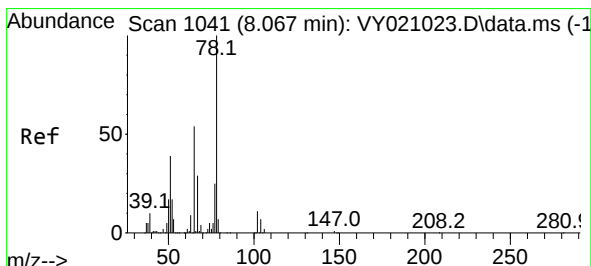
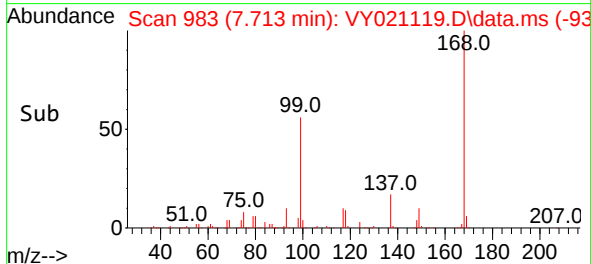
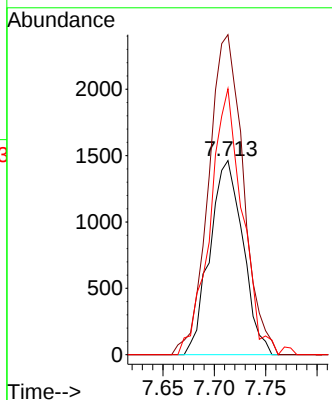
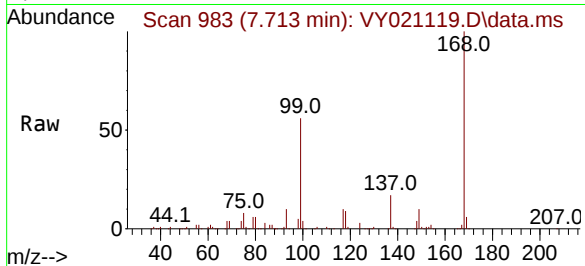




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

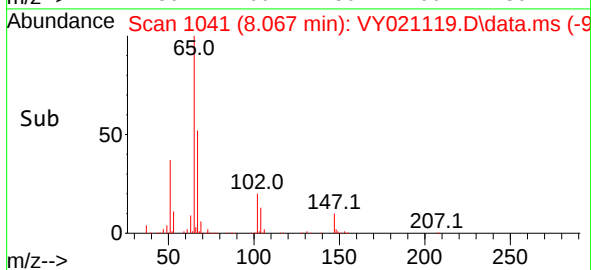
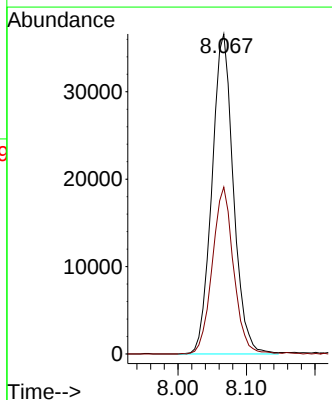
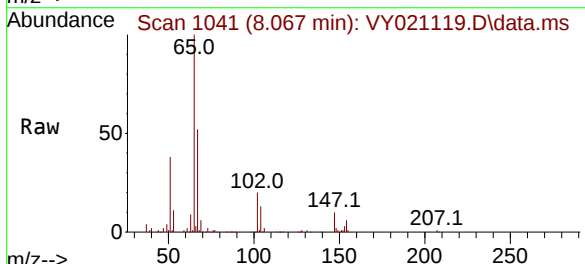
Instrument :
MSVOA_Y
ClientSampleId :

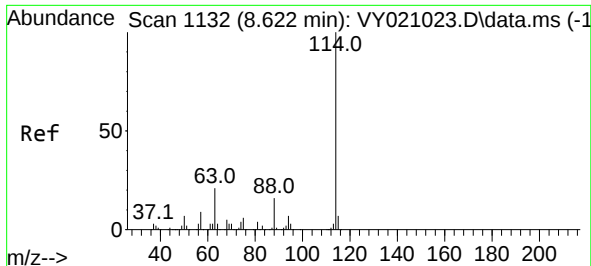
Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 164.9 27.0 40.6#
84 137.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.936 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

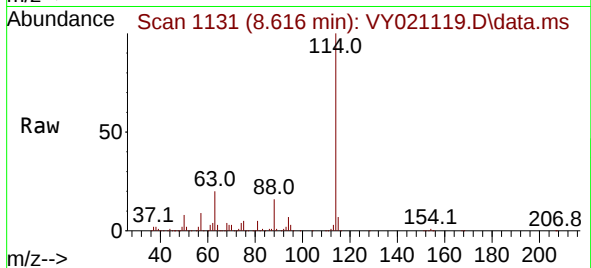
Tgt Ion: 65 Resp: 79489
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.0



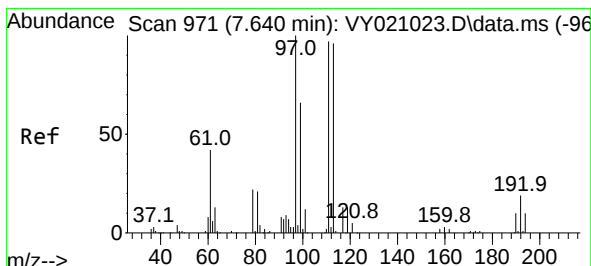
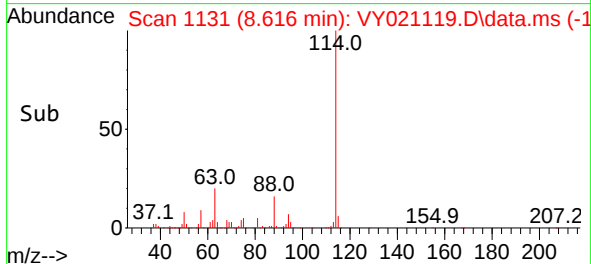
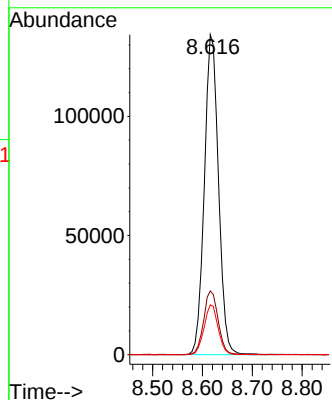


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Instrument :
MSVOA_Y
ClientSampleId :

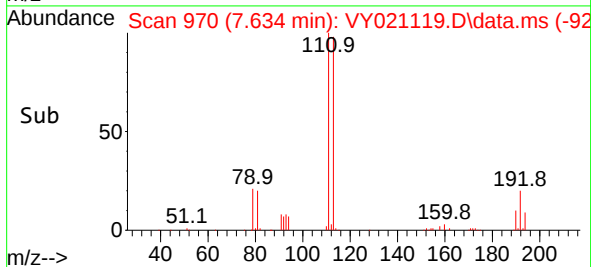
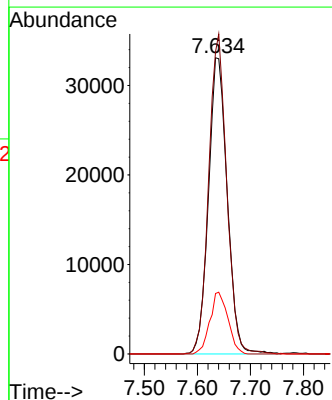
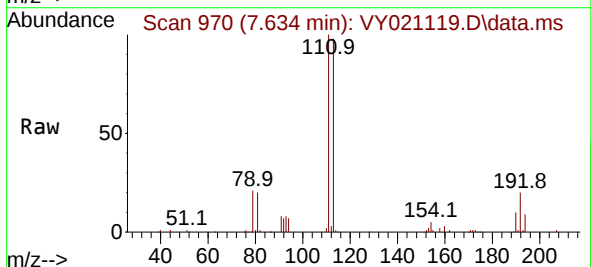


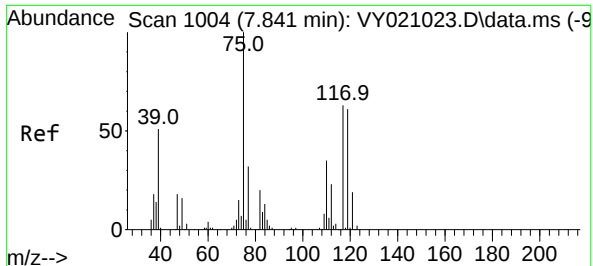
Tgt Ion:114 Resp: 264487
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.4
88 15.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Tgt Ion:113 Resp: 81404
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.6
192 20.0 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021119.D

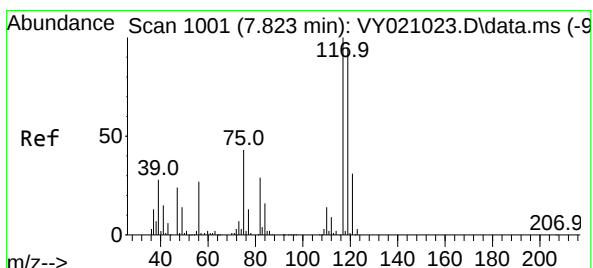
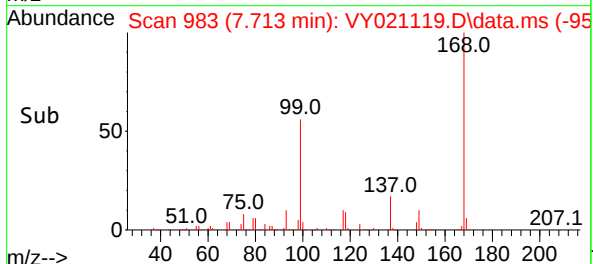
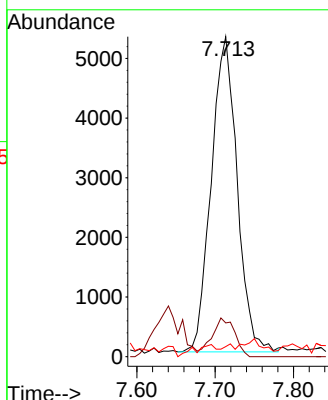
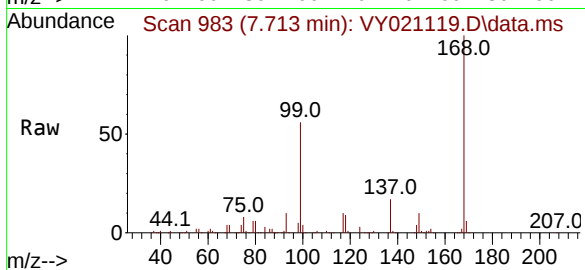
Acq: 06 Feb 2025 18:18

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	12163
Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.4	52.3#
77	0.5	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.308 ug/l

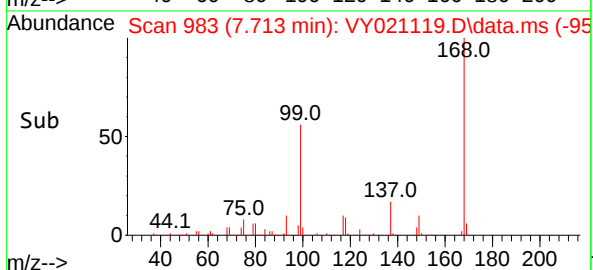
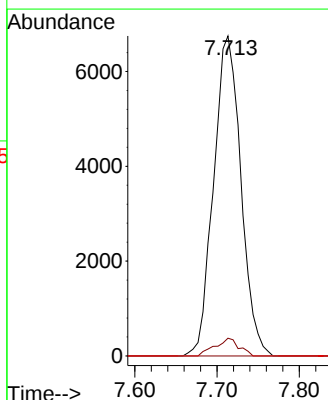
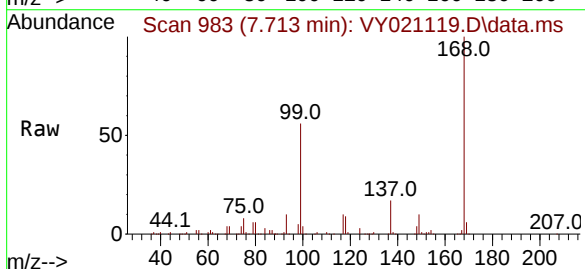
RT: 7.713 min Scan# 983

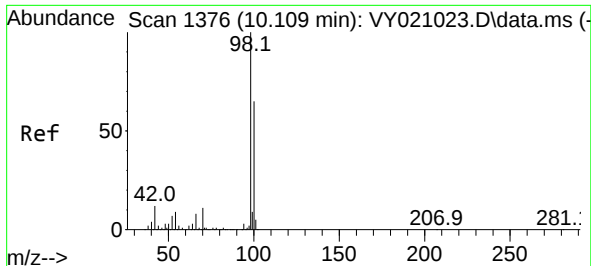
Delta R.T. -0.110 min

Lab File: VY021119.D

Acq: 06 Feb 2025 18:18

Tgt Ion:	117	Resp:	15571
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.0	114.0#
121	0.0	24.2	36.2#

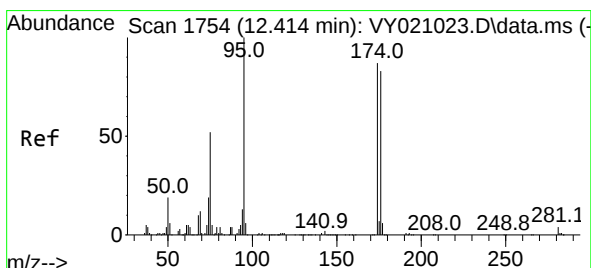
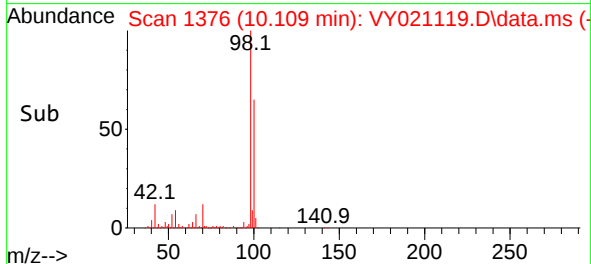
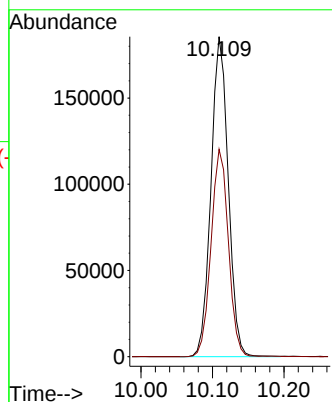
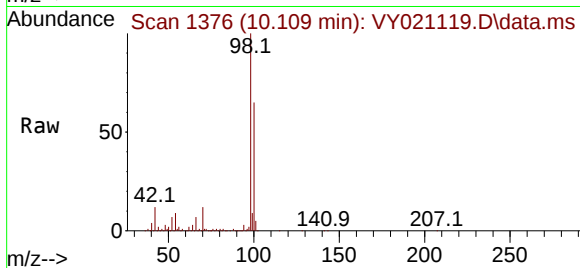




#50
Toluene-d8
Concen: 48.193 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

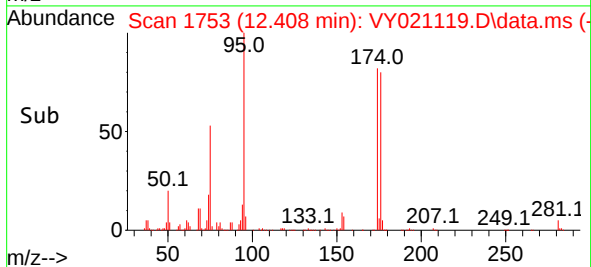
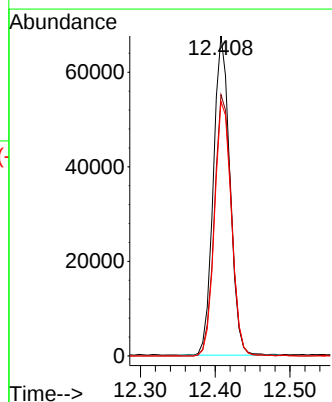
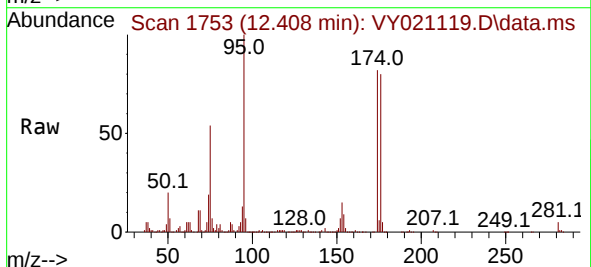
Instrument :
MSVOA_Y
ClientSampleId :

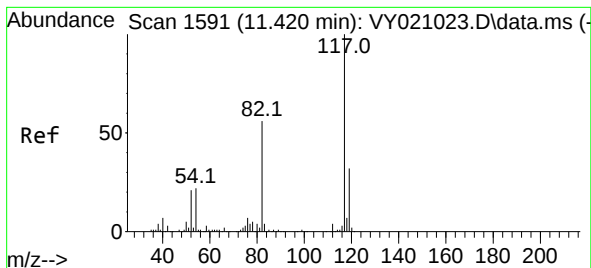
Tgt Ion: 98 Resp: 310991
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Tgt Ion: 95 Resp: 104430
Ion Ratio Lower Upper
95 100
174 83.8 0.0 160.0
176 80.9 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: VY021119.D

Acq: 06 Feb 2025 18:18

Instrument :

MSVOA_Y

ClientSampleId :

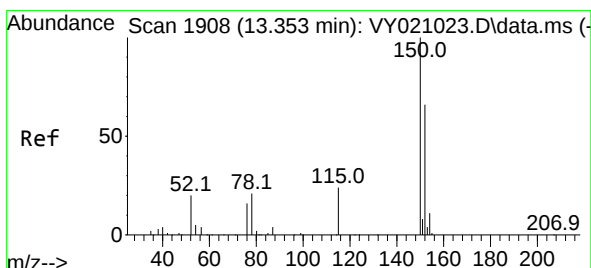
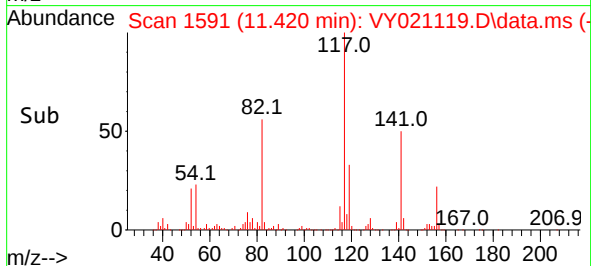
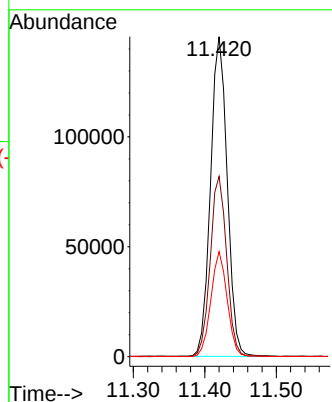
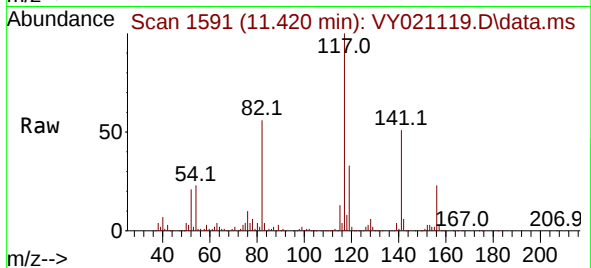
Tgt Ion:117 Resp: 235543

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 32.8 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: VY021119.D

Acq: 06 Feb 2025 18:18

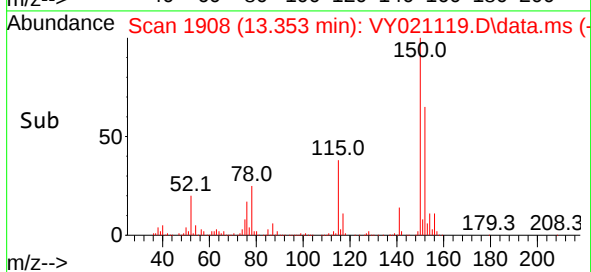
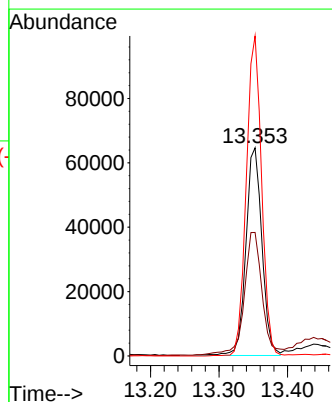
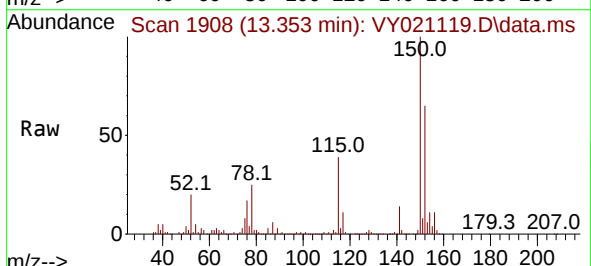
Tgt Ion:152 Resp: 105081

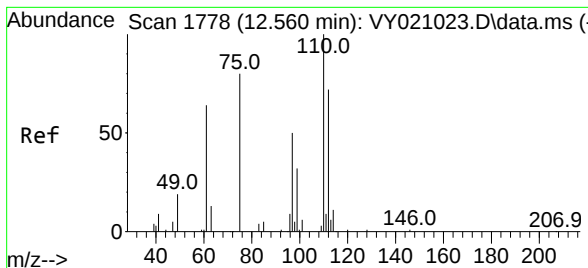
Ion Ratio Lower Upper

152 100

115 66.2 30.0 90.0

150 147.1 0.0 344.6

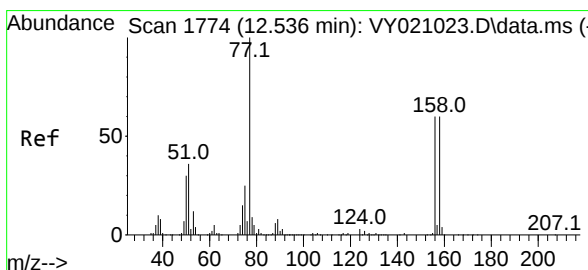
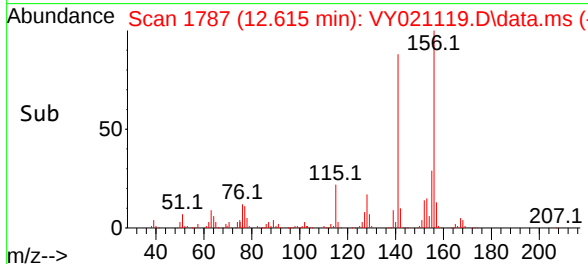
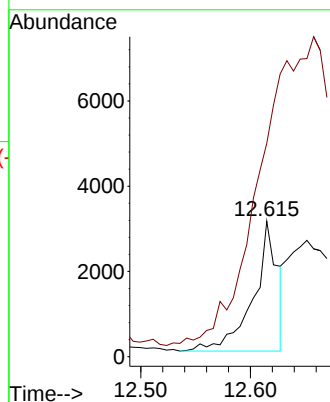
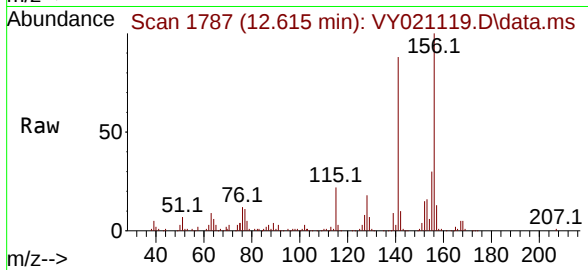




#76
1,2,3-Trichloropropane
Concen: 4.903 ug/l
RT: 12.615 min Scan# 1793
Delta R.T. 0.055 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

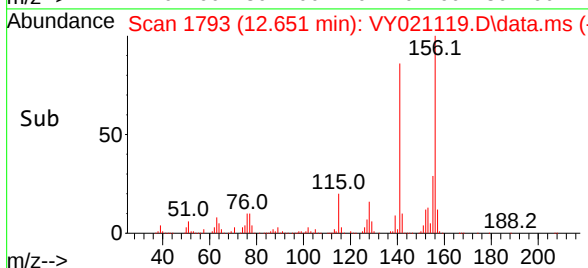
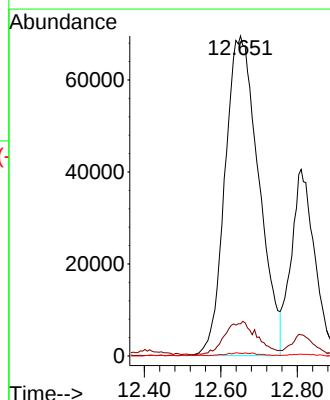
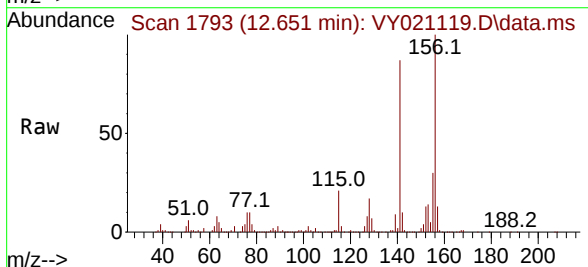
Instrument :
MSVOA_Y
ClientSampleId :

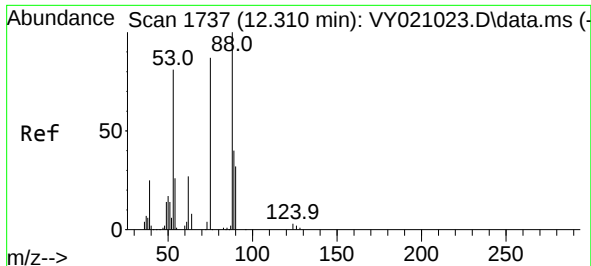
Tgt Ion: 75 Resp: 4674
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 224.238 ug/l
RT: 12.651 min Scan# 1793
Delta R.T. 0.116 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Tgt Ion:156 Resp: 424752
Ion Ratio Lower Upper
156 100
77 10.0 97.3 291.8#
158 0.4 48.4 145.0#

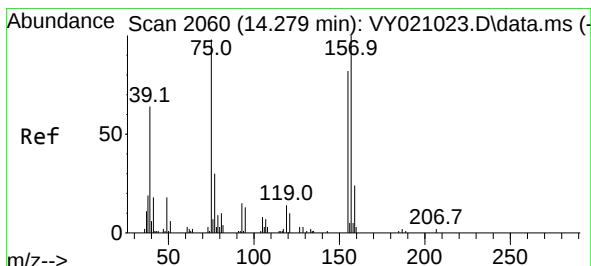
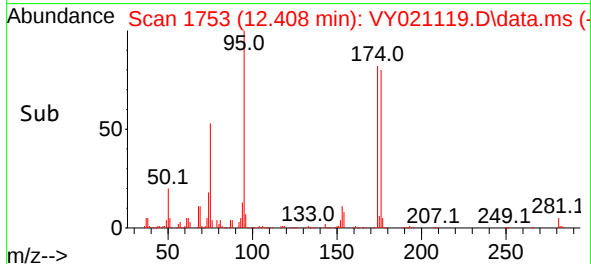
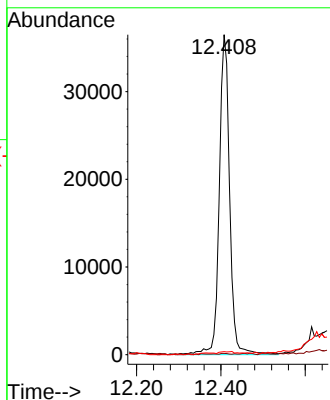
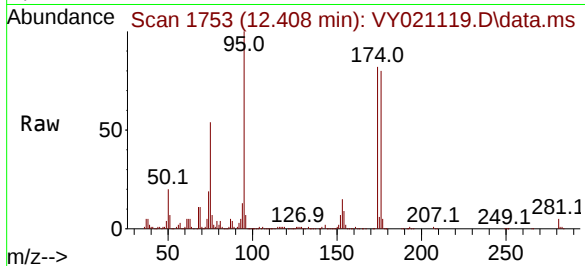




#81
trans-1,4-Dichloro-2-butene
Concen: 132.648 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

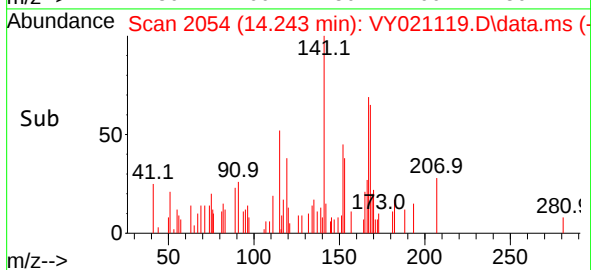
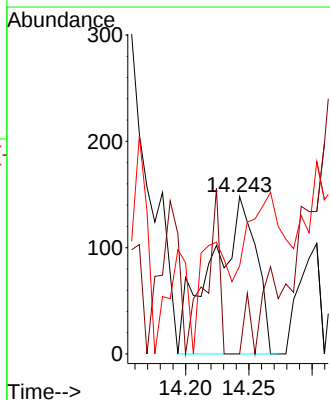
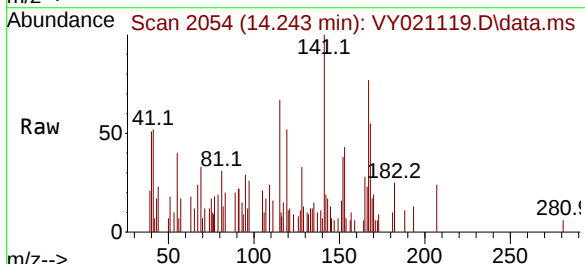
Instrument :
MSVOA_Y
ClientSampleId :

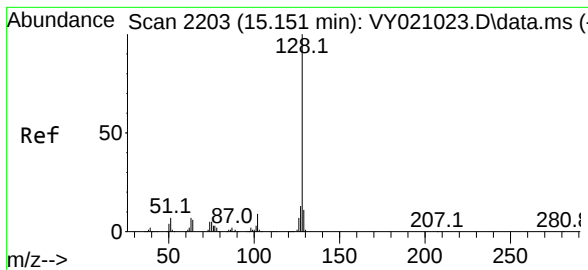
Tgt Ion: 75 Resp: 61967
Ion Ratio Lower Upper
75 100
53 0.2 74.0 111.0#
89 0.9 36.5 54.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.765 ug/l
RT: 14.243 min Scan# 2054
Delta R.T. -0.037 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

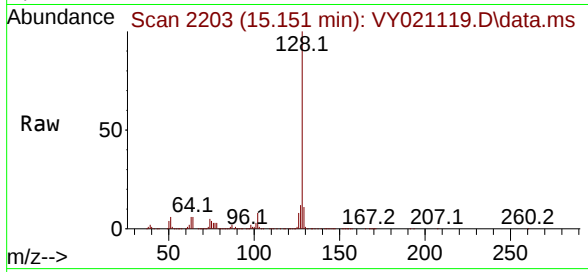
Tgt Ion: 75 Resp: 360
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 46.7 55.8 167.4#





#95
Naphthalene
Concen: 76.813 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021119.D
Acq: 06 Feb 2025 18:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 217148
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 12.8

