

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021122.D
 Acq On : 06 Feb 2025 19:29
 Operator : SY/MD
 Sample : Q1309-15
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:37:03 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)

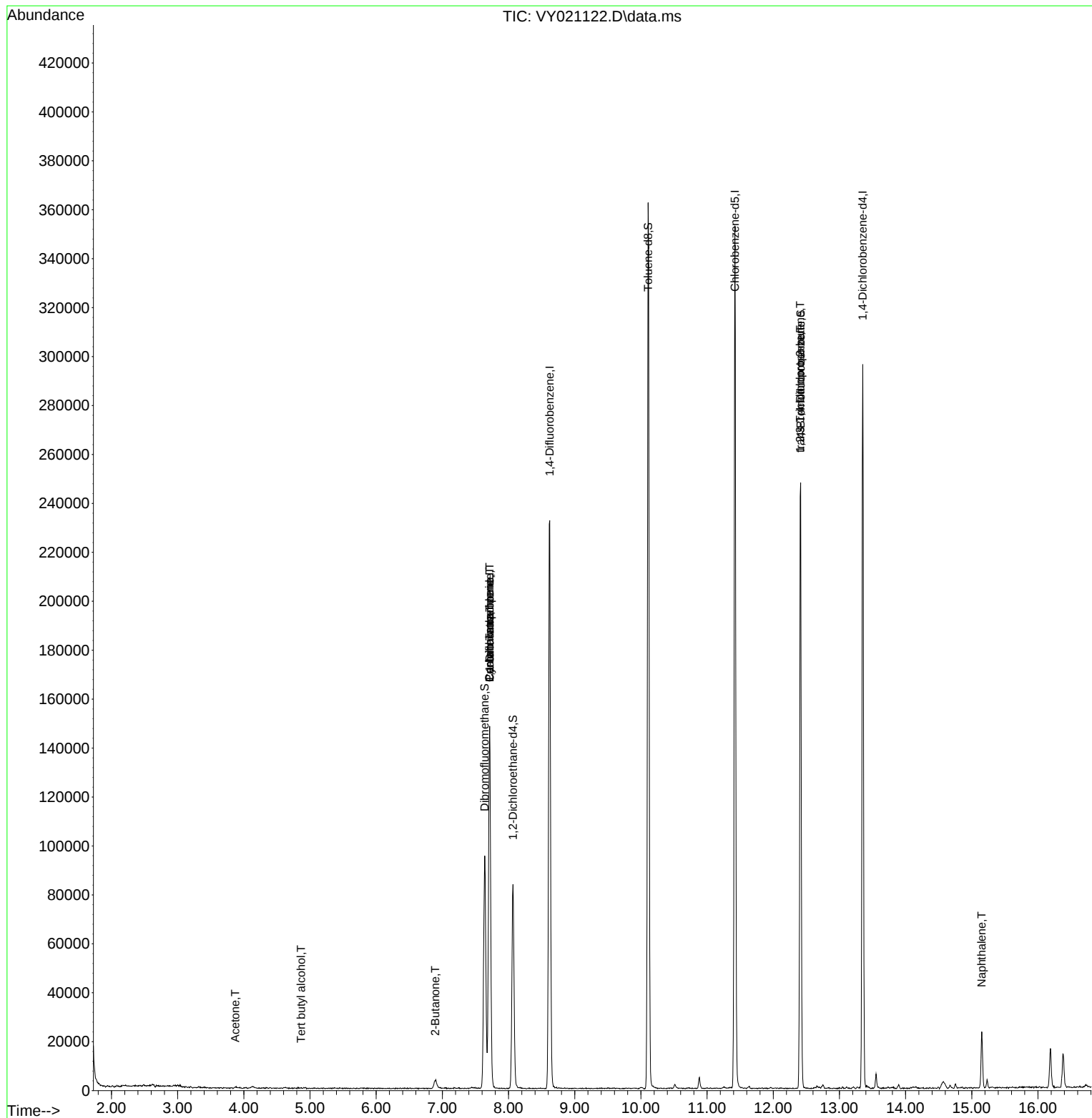
Internal Standards						
1) Pentafluorobenzene	7.713	168	116009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	201274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	182443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	73243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	66577	56.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.020%	
35) Dibromofluoromethane	7.640	113	66664	51.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.109	98	238432	48.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.414	95	77596	48.367	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	159	1.974	ug/l #	75
16) Acetone	3.872	43	982	5.298	ug/l #	87
25) 2-Butanone	6.890	43	510	1.674	ug/l #	48
31) Cyclohexane	7.713	56	2485	1.226	ug/l #	21
36) 1,1-Dichloropropene	7.713	75	8916	4.667	ug/l #	50
38) Carbon Tetrachloride	7.713	117	11645	5.216	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	41406	62.320	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	41406	127.164	ug/l #	12
95) Naphthalene	15.151	128	18190	9.231	ug/l	98

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

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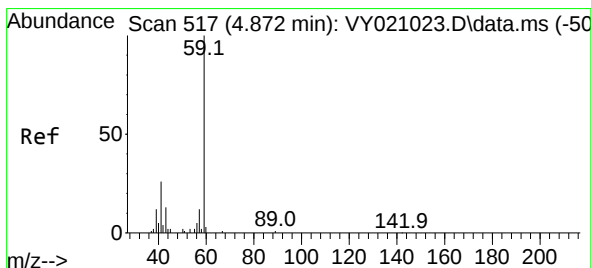
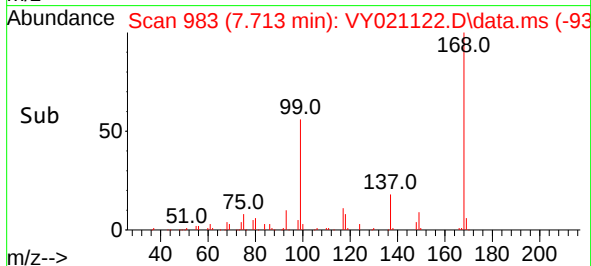
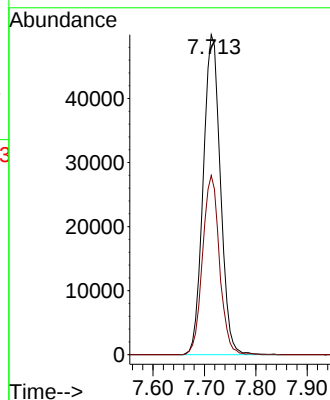
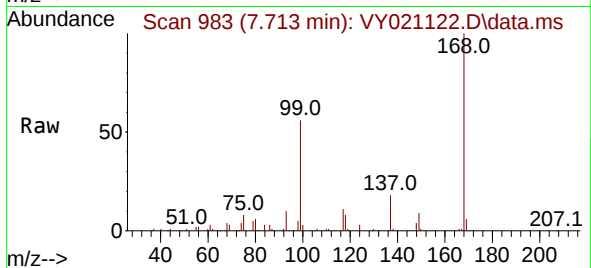




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

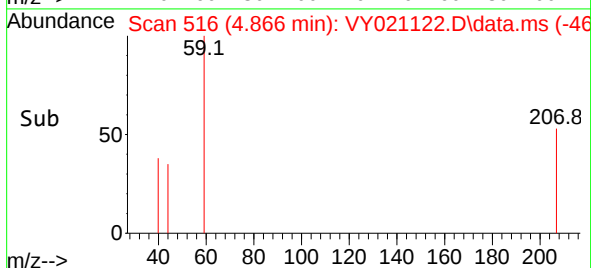
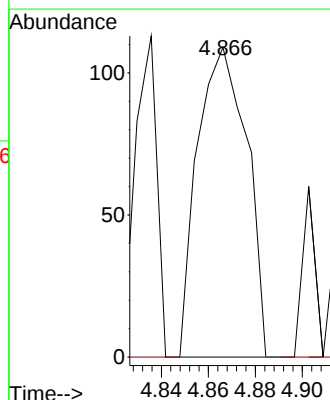
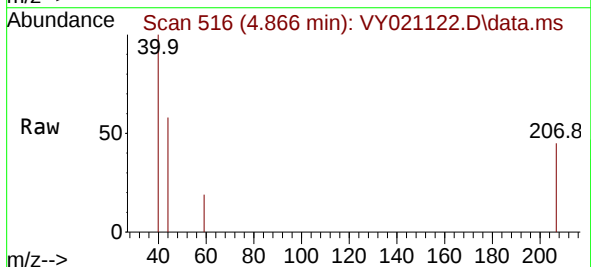
Instrument :
MSVOA_Y
ClientSampleId :

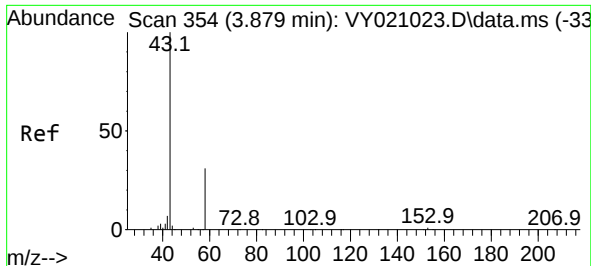
Tgt Ion:168 Resp: 116009
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.974 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

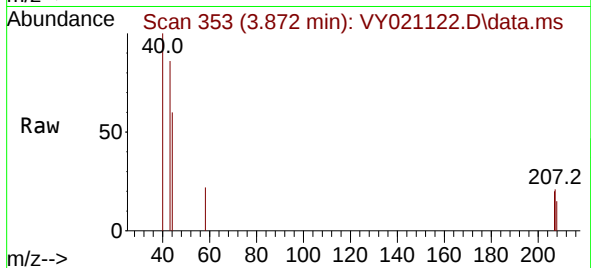
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



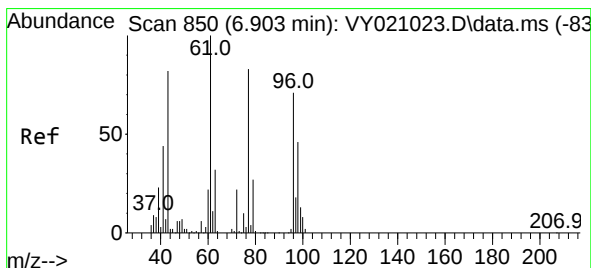
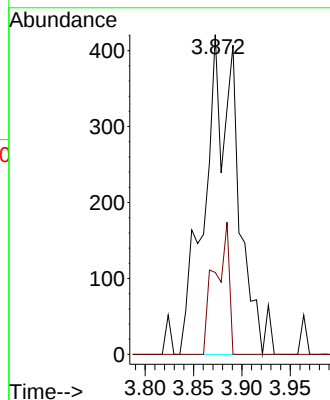
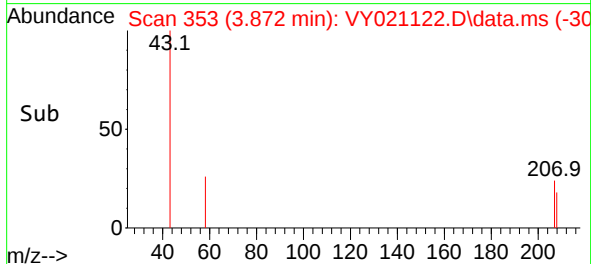


#16
Acetone
Concen: 5.298 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :

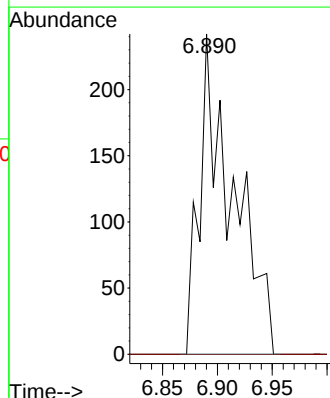
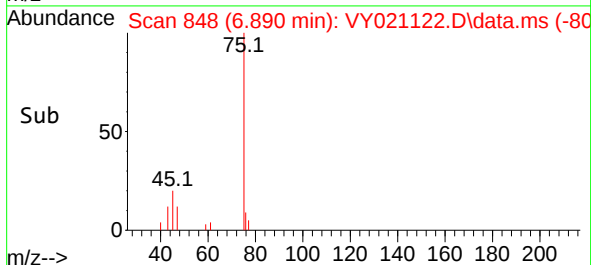
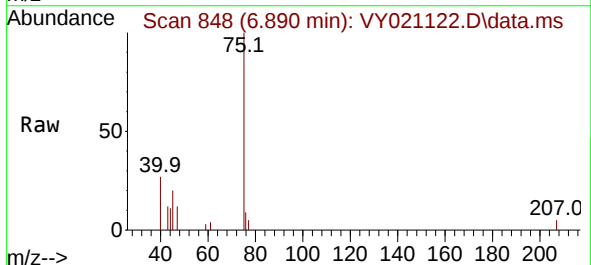


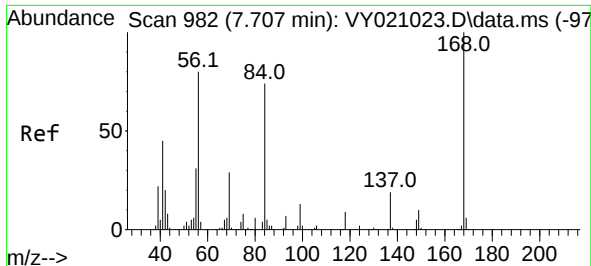
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 25.7 26.6 39.8#



#25
2-Butanone
Concen: 1.674 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

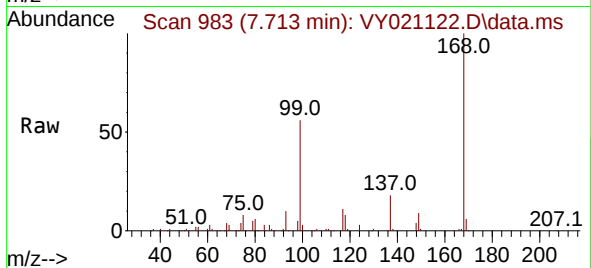
Tgt Ion: 43 Resp: 510
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



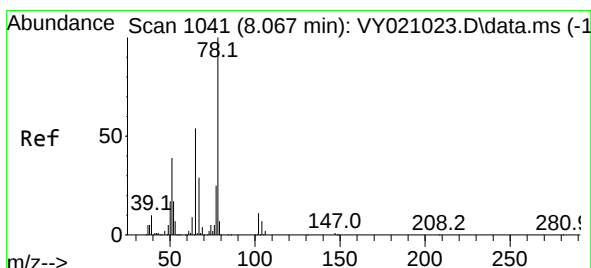
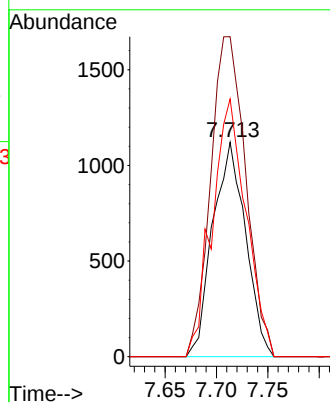
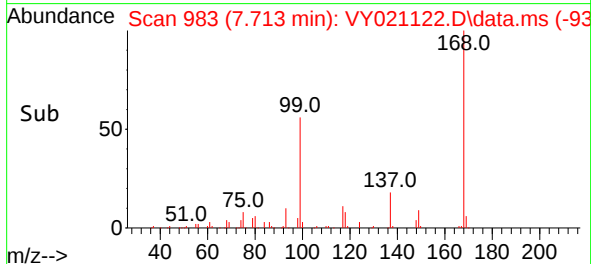


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

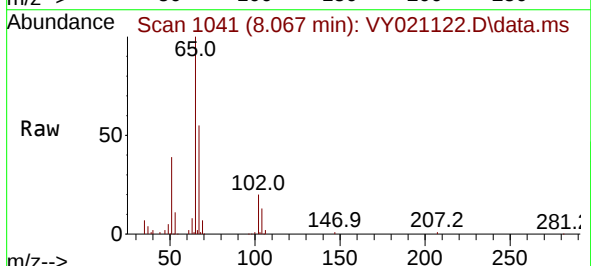
Instrument :
MSVOA_Y
ClientSampleId :



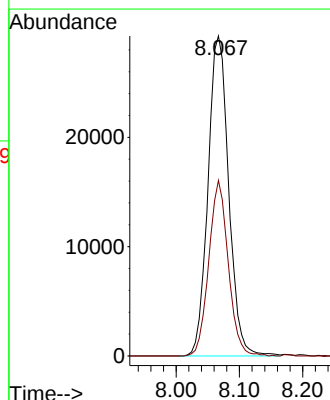
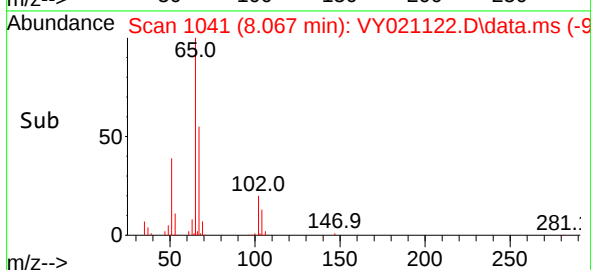
Tgt Ion:	56	Resp:	2485
Ion	Ratio	Lower	Upper
56	100		
69	149.2	27.0	40.6#
84	120.2	71.8	107.6#

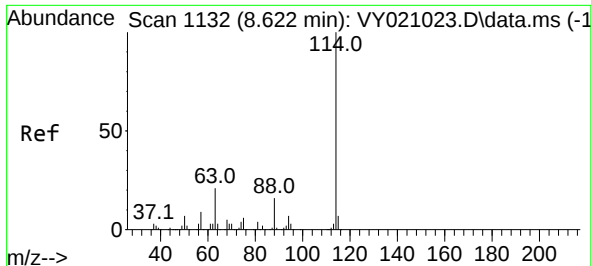


#33
1,2-Dichloroethane-d4
Concen: 56.013 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29



Tgt Ion:	65	Resp:	66577
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	109.0

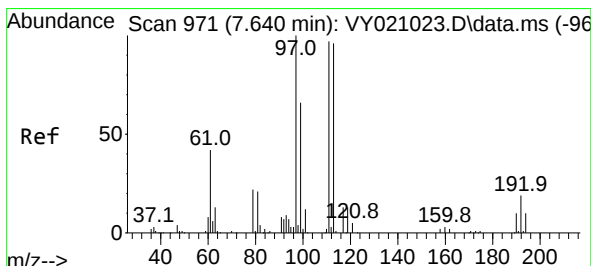
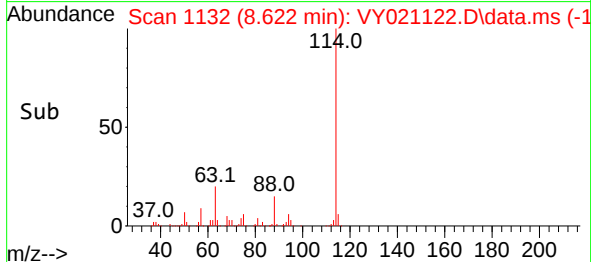
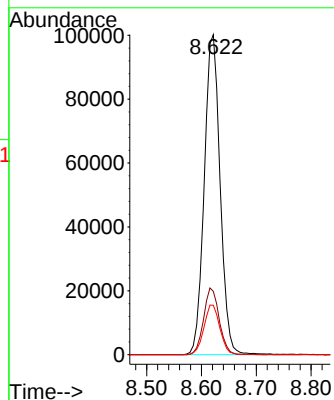
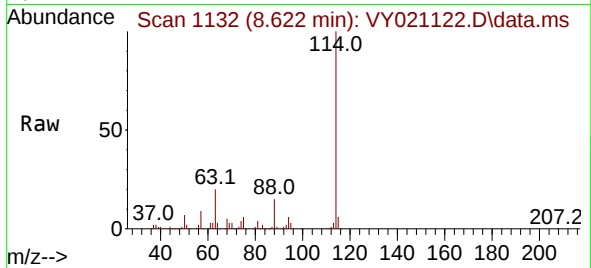




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

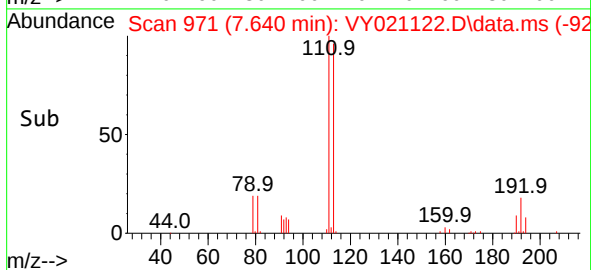
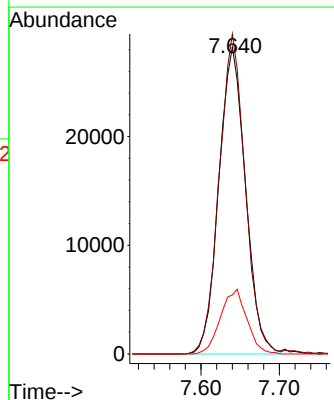
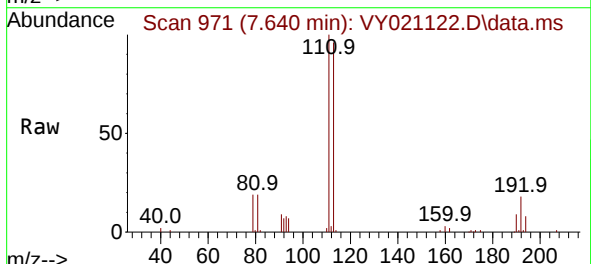
Instrument :
MSVOA_Y
ClientSampleId :

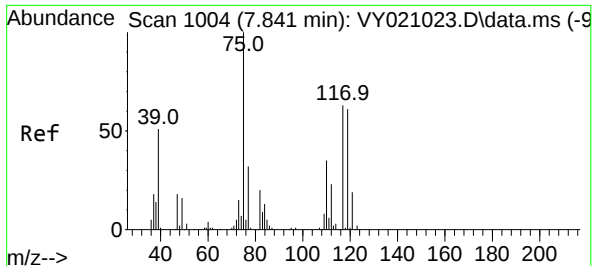
Tgt Ion:114 Resp: 201274
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.4
88 15.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.682 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

Tgt Ion:113 Resp: 66664
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 20.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021122.D

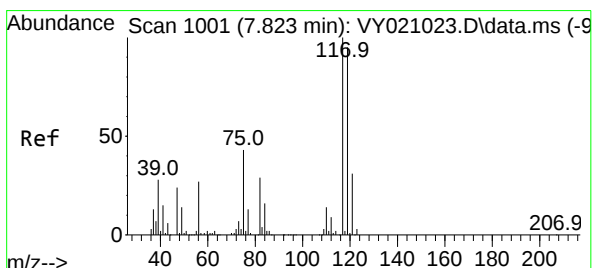
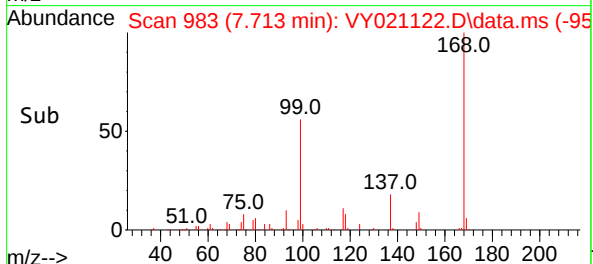
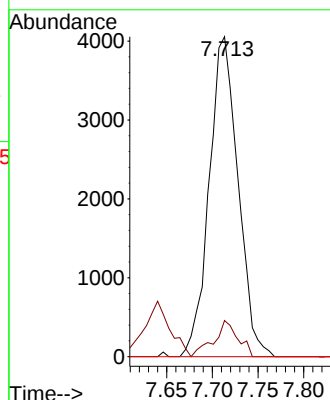
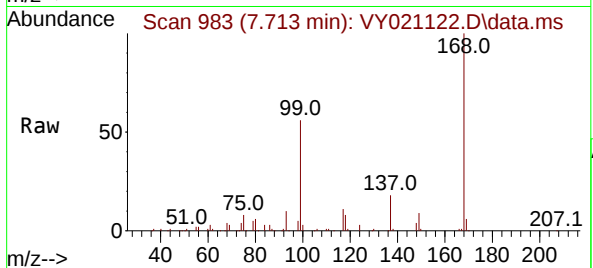
Acq: 06 Feb 2025 19:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	8916
Ion Ratio	Lower	Upper
75	100	
110	9.4	17.4 52.3#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

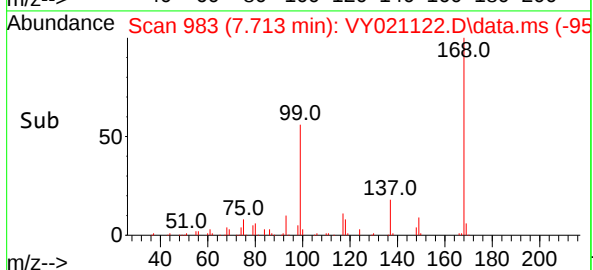
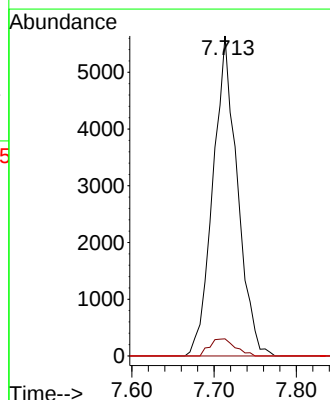
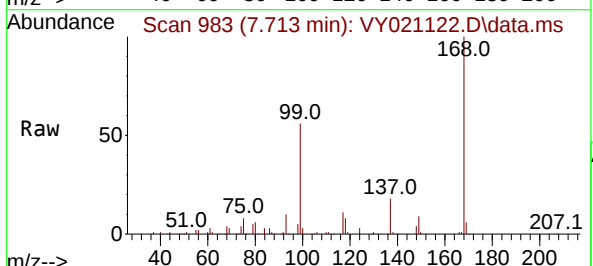
RT: 7.713 min Scan# 983

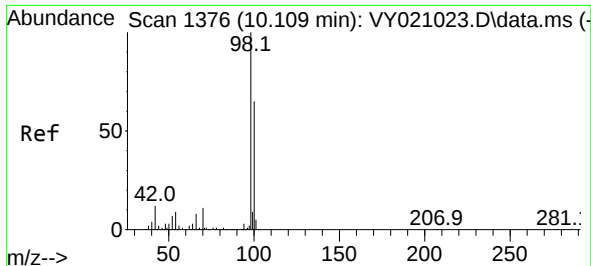
Delta R.T. -0.110 min

Lab File: VY021122.D

Acq: 06 Feb 2025 19:29

Tgt Ion: 117	Resp:	11645
Ion Ratio	Lower	Upper
117	100	
119	5.4	76.0 114.0#
121	0.0	24.2 36.2#

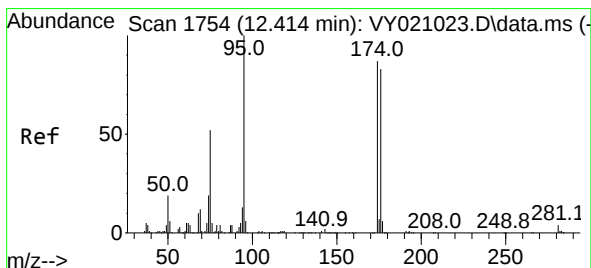
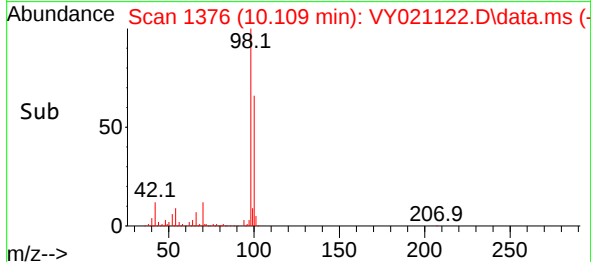
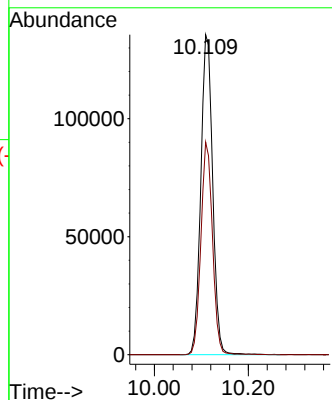
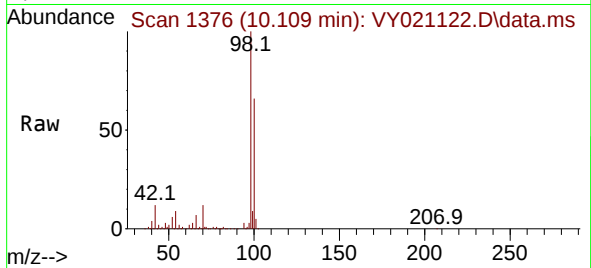




#50
Toluene-d8
Concen: 48.553 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

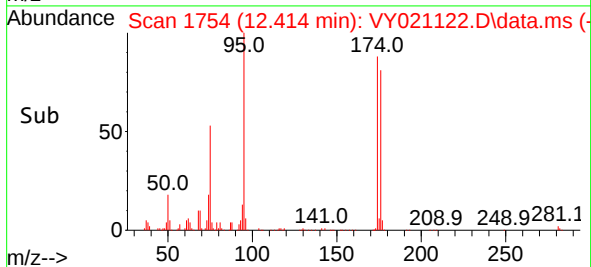
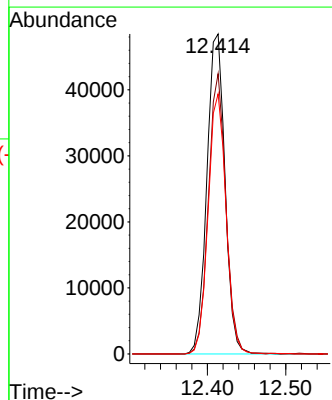
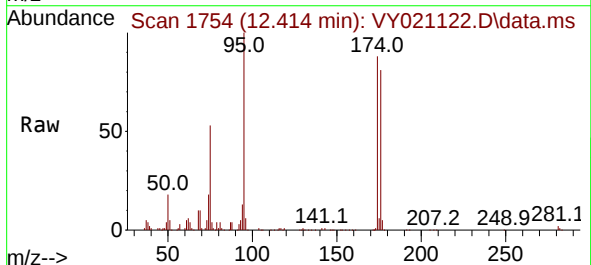
Instrument :
MSVOA_Y
ClientSampleId :

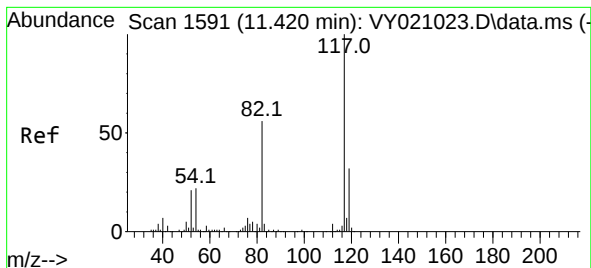
Tgt Ion: 98 Resp: 238432
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.367 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

Tgt Ion: 95 Resp: 77596
Ion Ratio Lower Upper
95 100
174 84.9 0.0 160.0
176 80.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

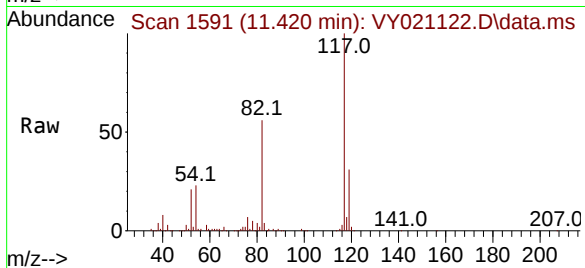
Lab File: VY021122.D

Acq: 06 Feb 2025 19:29

Instrument :

MSVOA_Y

ClientSampleId :



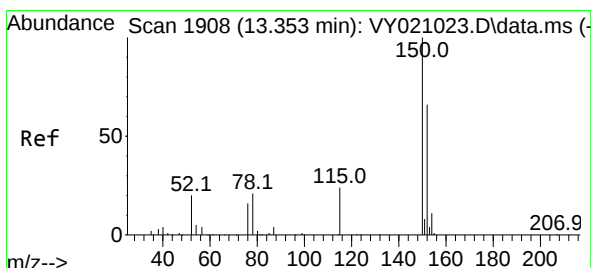
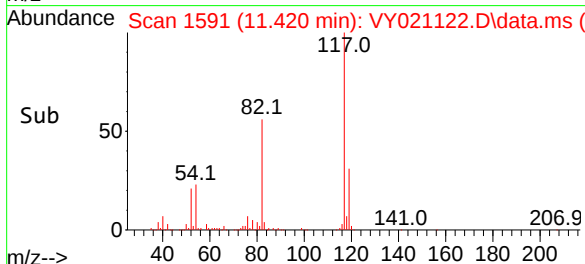
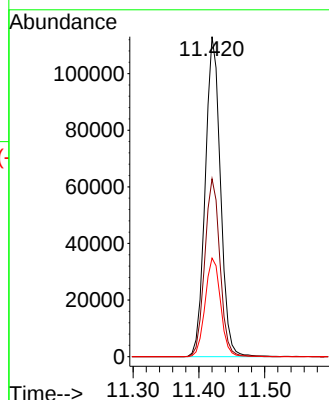
Tgt Ion:117 Resp: 182443

Ion Ratio Lower Upper

117 100

82 55.6 43.8 65.8

119 30.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021122.D

Acq: 06 Feb 2025 19:29

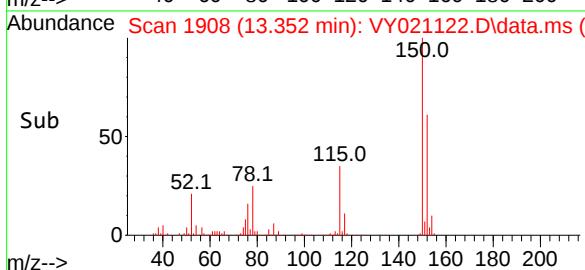
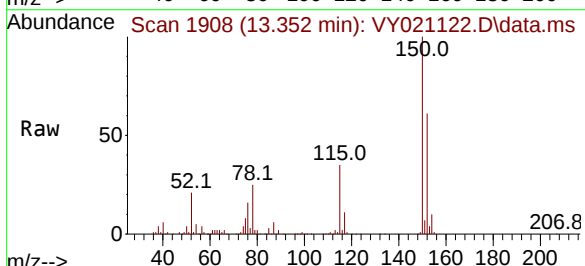
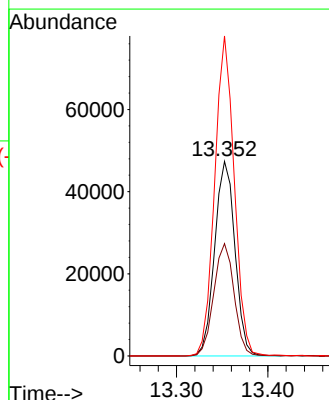
Tgt Ion:152 Resp: 73243

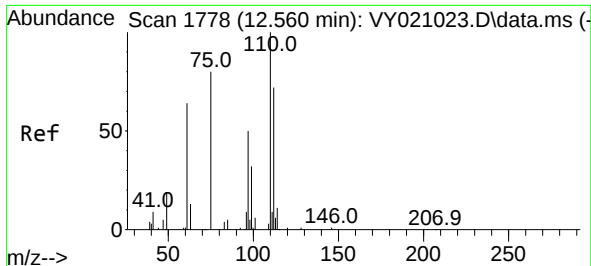
Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.0

150 158.3 0.0 344.6

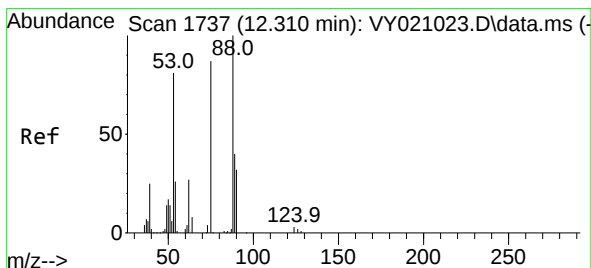
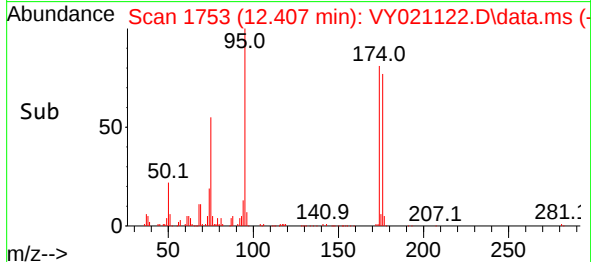
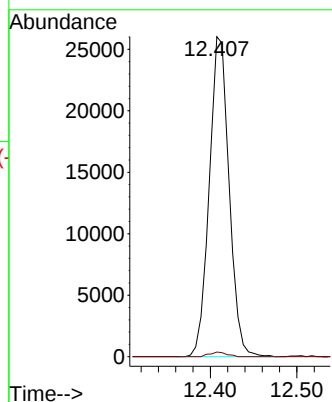
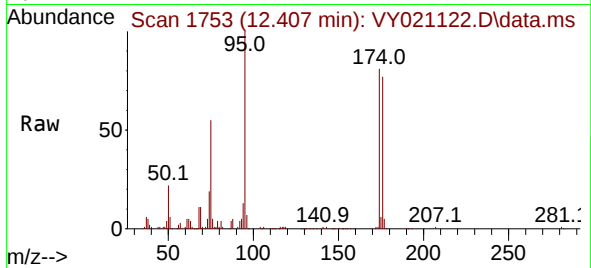




#76
 1,2,3-Trichloropropane
 Concen: 62.320 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021122.D
 Acq: 06 Feb 2025 19:29

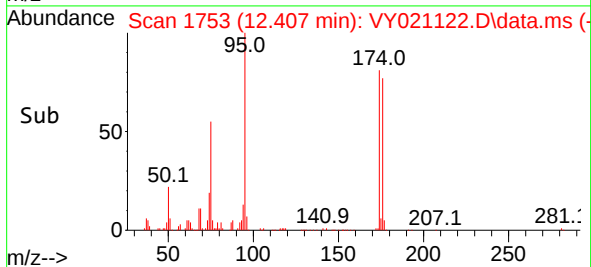
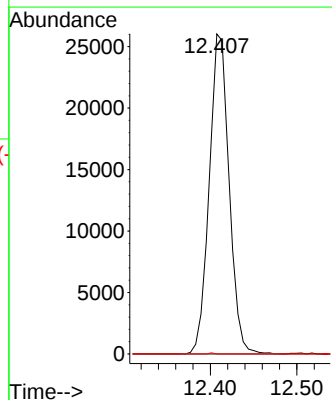
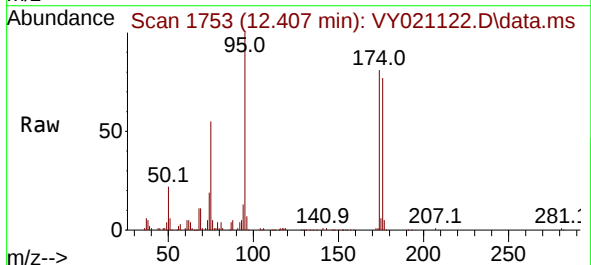
Instrument :
 MSVOA_Y
 ClientSampleId :

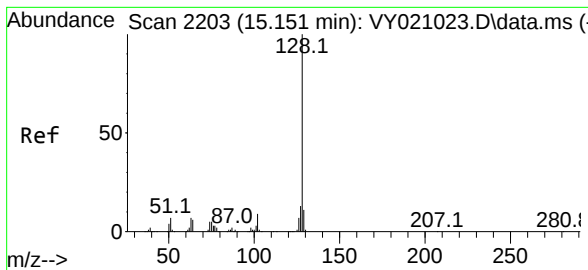
Tgt Ion: 75 Resp: 41406
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.164 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY021122.D
 Acq: 06 Feb 2025 19:29

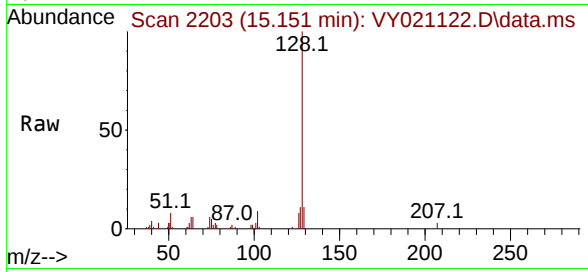
Tgt Ion: 75 Resp: 41406
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#





#95
Naphthalene
Concen: 9.231 ug/l
RT: 15.151 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021122.D
Acq: 06 Feb 2025 19:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	18190
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.4
129	11.0	8.6	12.8

