

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021123.D
 Acq On : 06 Feb 2025 19:52
 Operator : SY/MD
 Sample : Q1309-19
 Misc : 4.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:37:22 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)

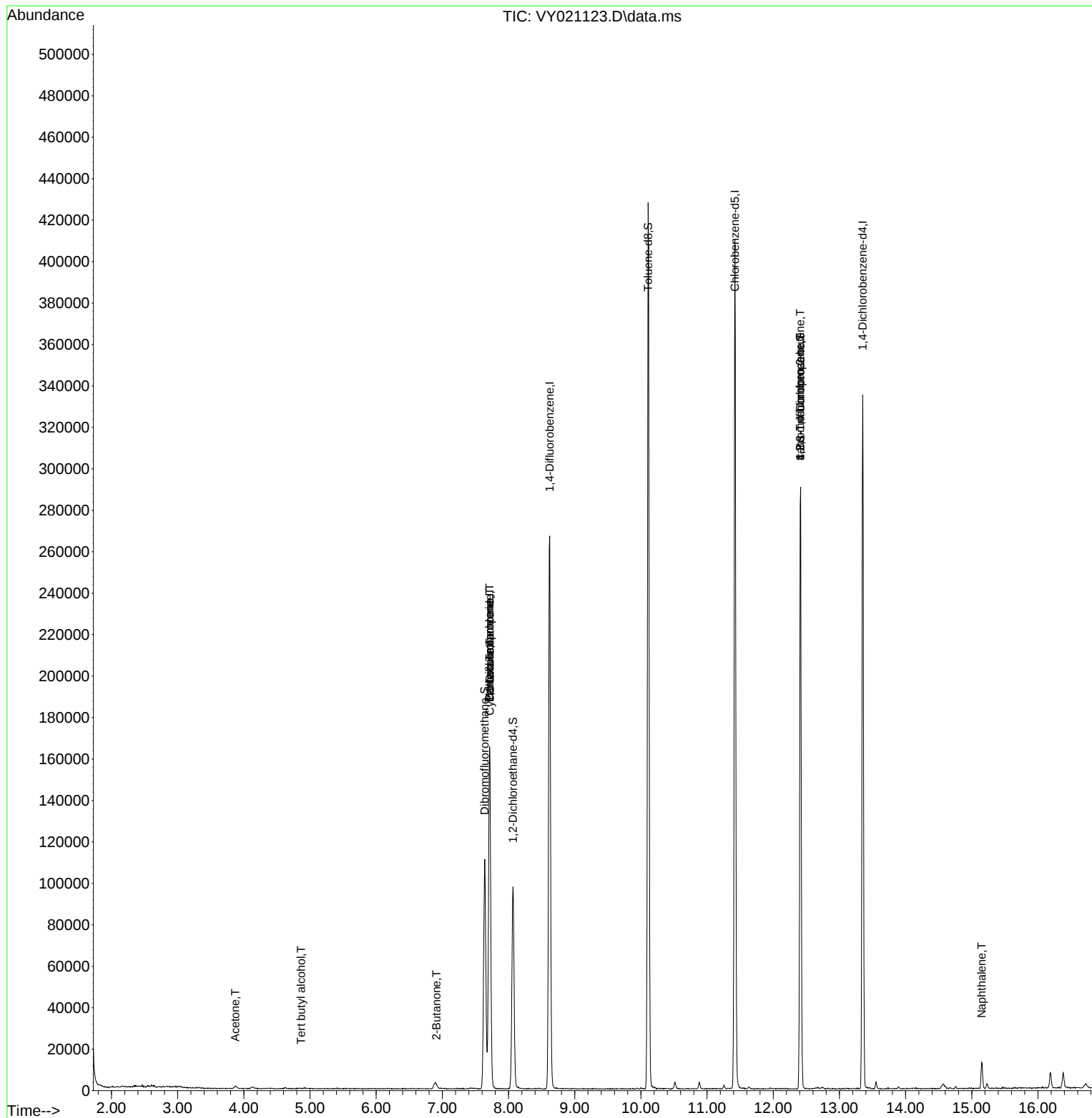
Internal Standards						
1) Pentafluorobenzene	7.713	168	129177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	229353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	210400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	84424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	78073	58.989	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.980%
35) Dibromofluoromethane	7.640	113	77564	52.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.540%
50) Toluene-d8	10.109	98	273786	48.927	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.408	95	91194	49.884	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	187	2.085	ug/l #	75
16) Acetone	3.872	43	2324	11.260	ug/l	97
25) 2-Butanone	6.908	43	740	2.182	ug/l #	48
31) Cyclohexane	7.719	56	2827	1.252	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	10636	4.885	ug/l #	50
38) Carbon Tetrachloride	7.713	117	12773	5.021	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	48234	62.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	48234	128.515	ug/l #	12
95) Naphthalene	15.151	128	10197	4.490	ug/l	99

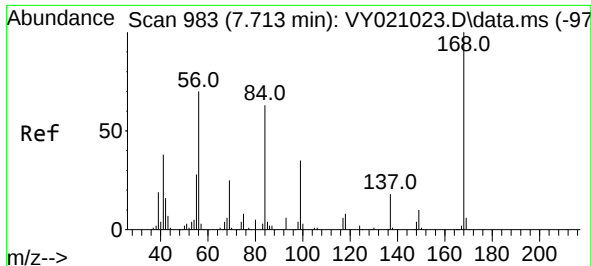
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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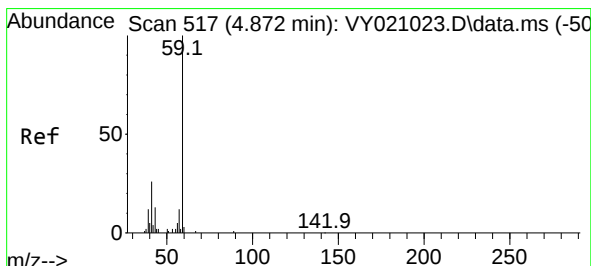
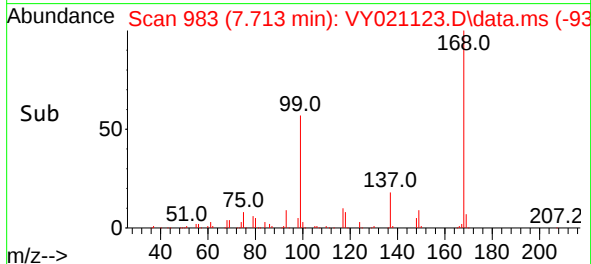
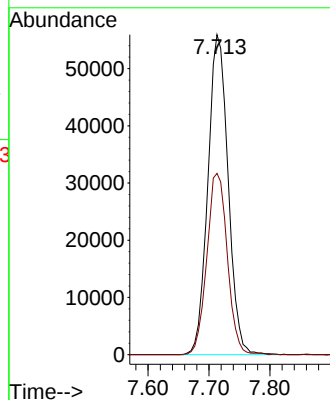
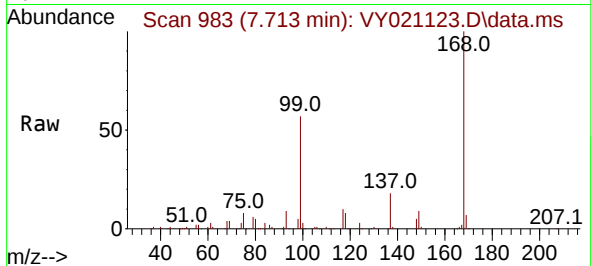




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

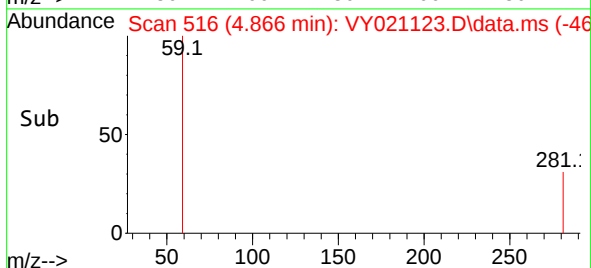
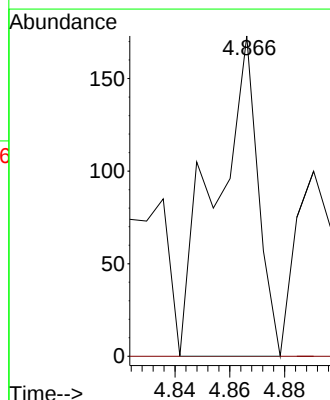
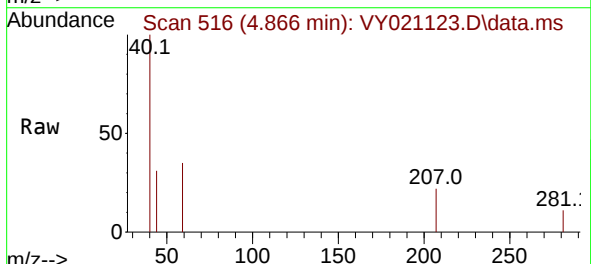
Instrument :
MSVOA_Y
ClientSampleId :

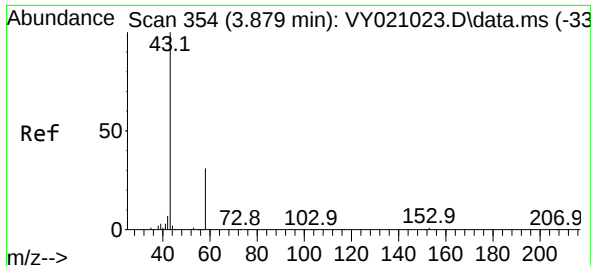
Tgt Ion:168 Resp: 129177
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.085 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

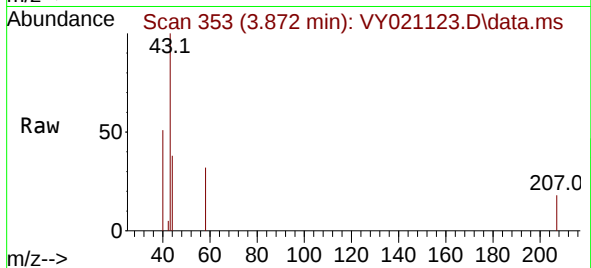
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



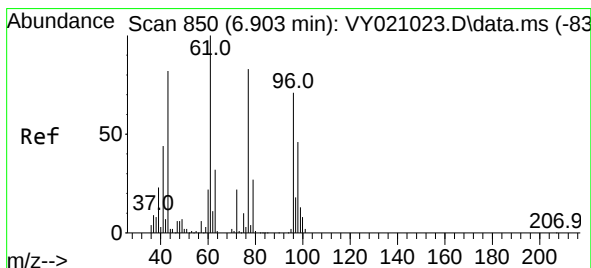
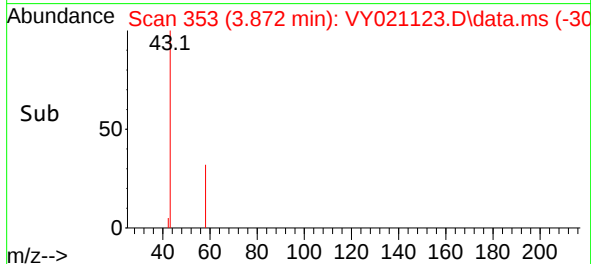
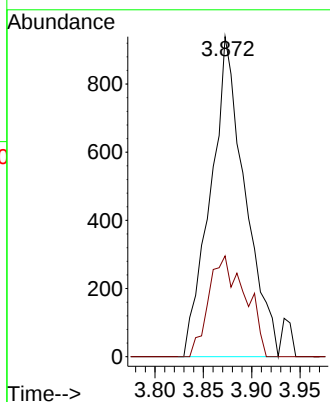


#16
Acetone
Concen: 11.260 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

Instrument :
MSVOA_Y
ClientSampleId :

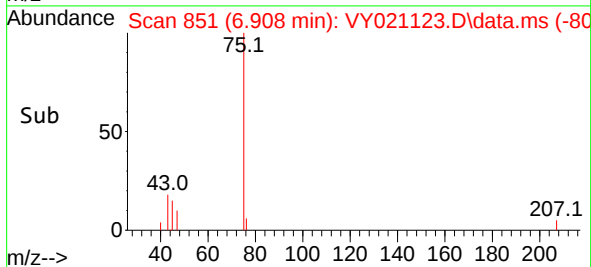
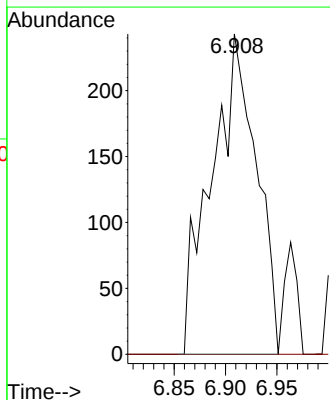
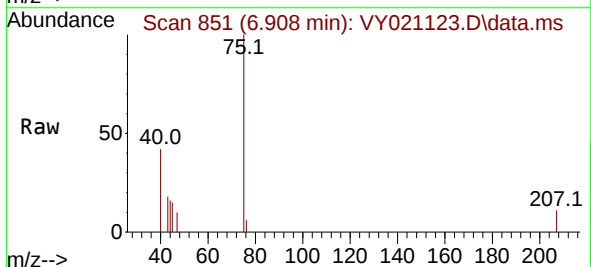


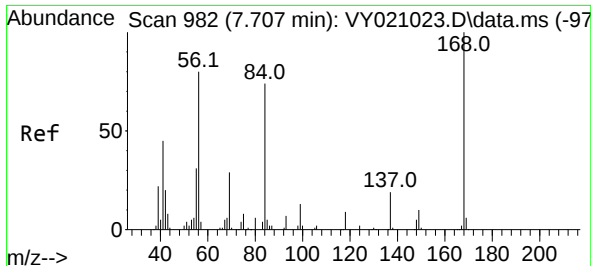
Tgt Ion: 43 Resp: 2324
Ion Ratio Lower Upper
43 100
58 31.5 26.6 39.8



#25
2-Butanone
Concen: 2.182 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

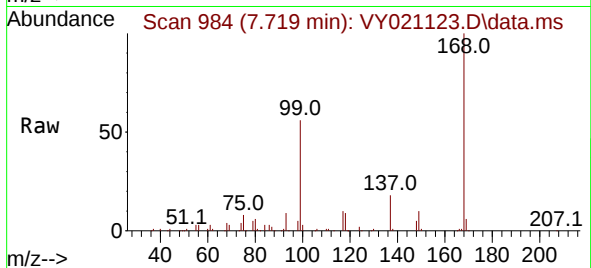
Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



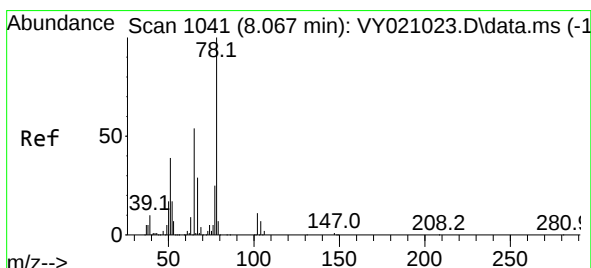
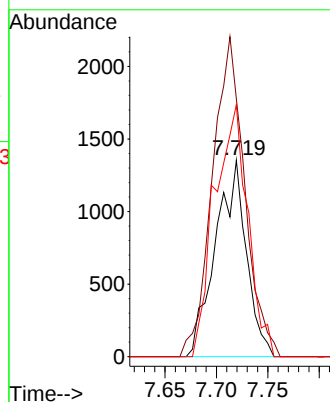
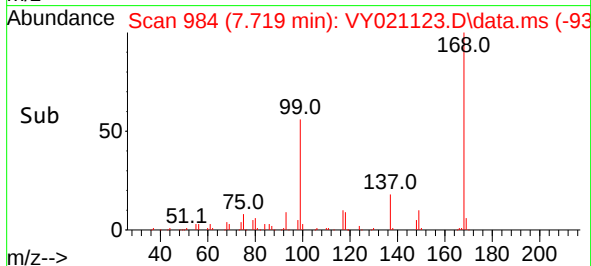


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

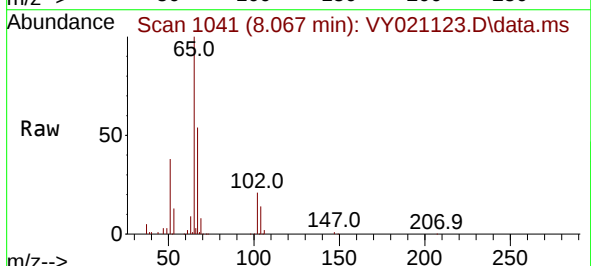
Instrument :
MSVOA_Y
ClientSampleId :



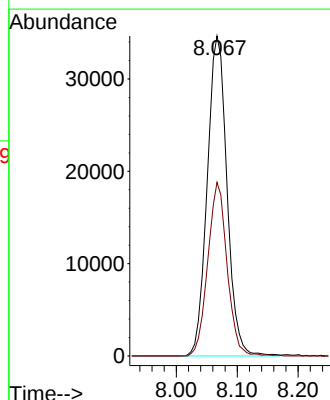
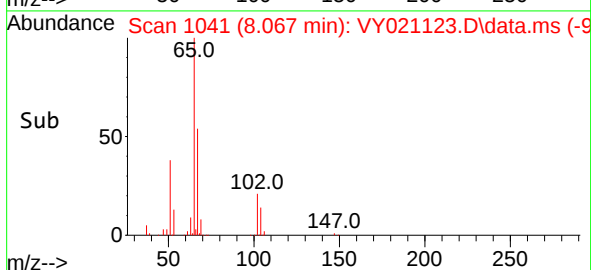
Tgt Ion: 56 Resp: 2827
Ion Ratio Lower Upper
56 100
69 131.2 27.0 40.6#
84 128.3 71.8 107.6#

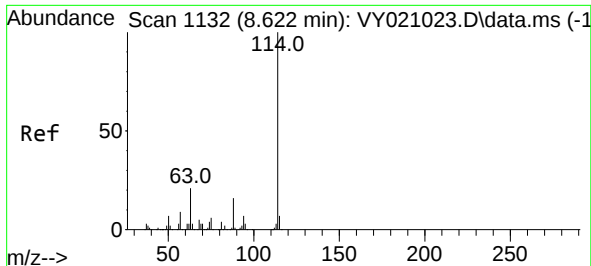


#33
1,2-Dichloroethane-d4
Concen: 58.989 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52



Tgt Ion: 65 Resp: 78073
Ion Ratio Lower Upper
65 100
67 53.1 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: VY021123.D

Acq: 06 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

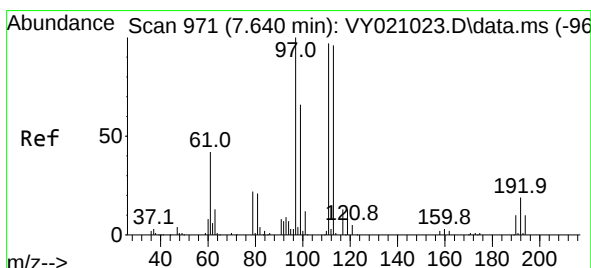
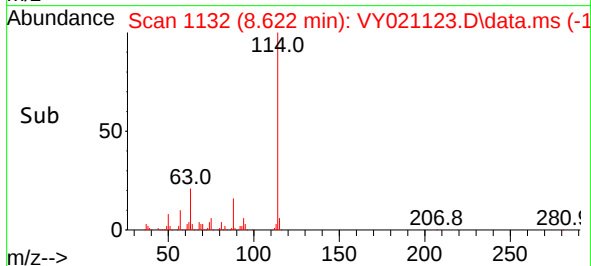
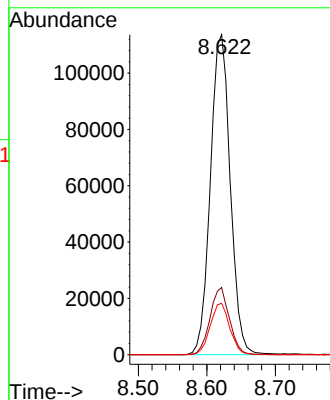
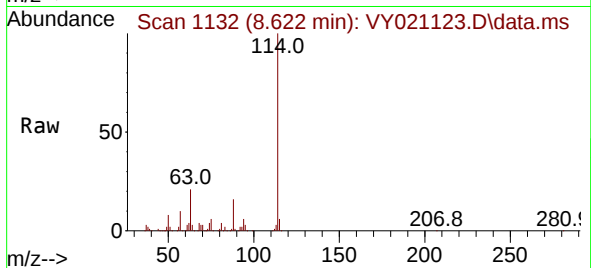
Tgt Ion:114 Resp: 229353

Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 16.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.770 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021123.D

Acq: 06 Feb 2025 19:52

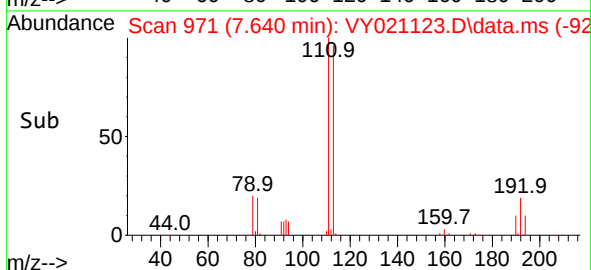
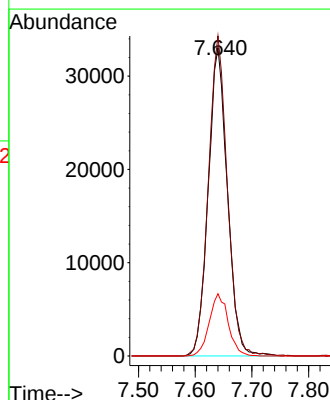
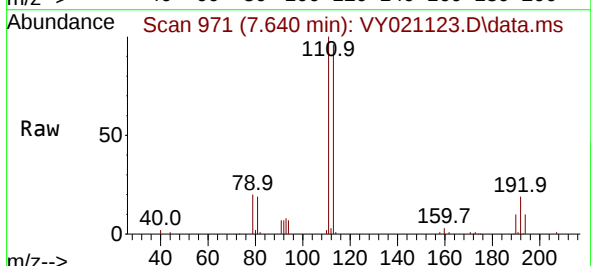
Tgt Ion:113 Resp: 77564

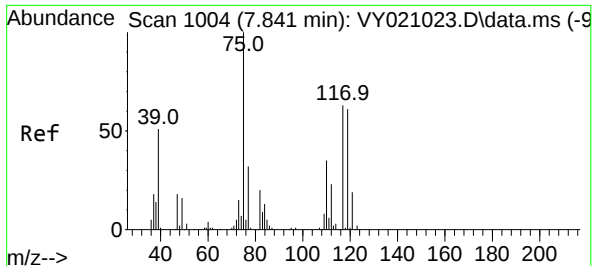
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 20.0 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021123.D

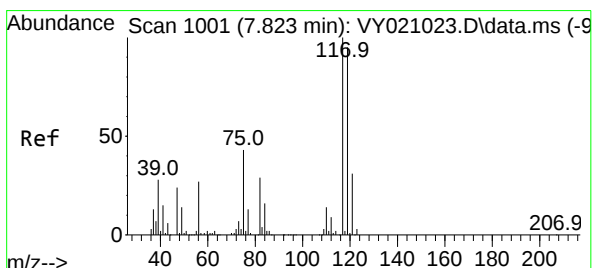
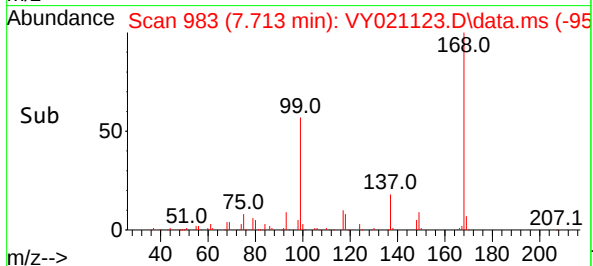
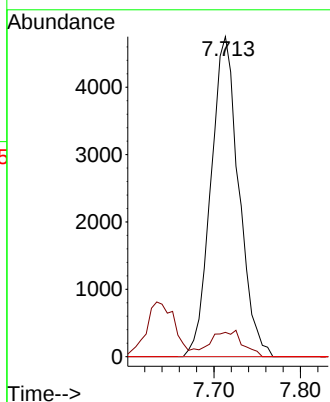
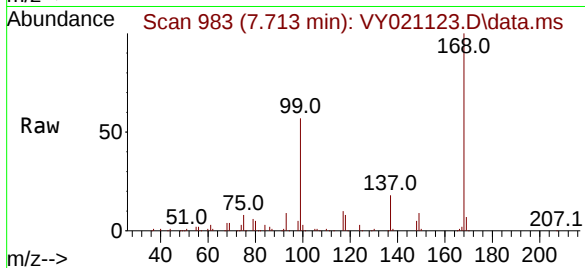
Acq: 06 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	10636
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.021 ug/l

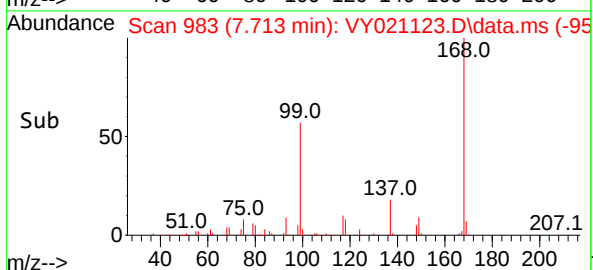
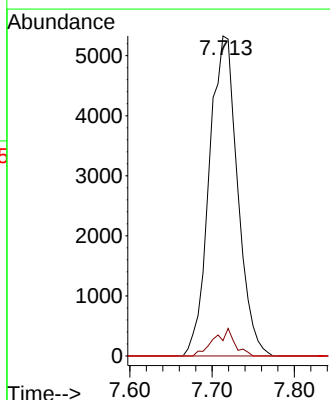
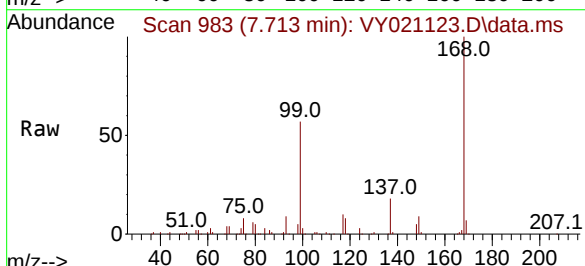
RT: 7.713 min Scan# 983

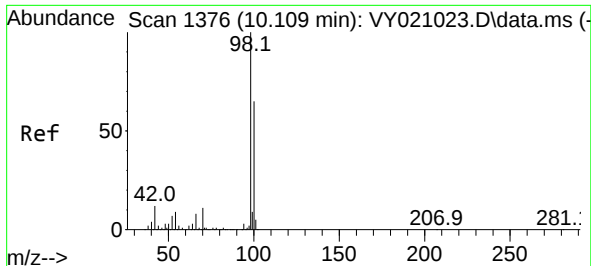
Delta R.T. -0.110 min

Lab File: VY021123.D

Acq: 06 Feb 2025 19:52

Tgt Ion:	117	Resp:	12773
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.0	114.0#
121	0.0	24.2	36.2#

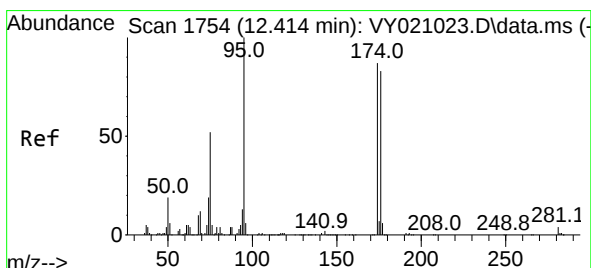
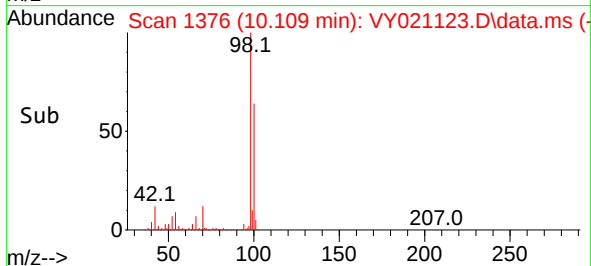
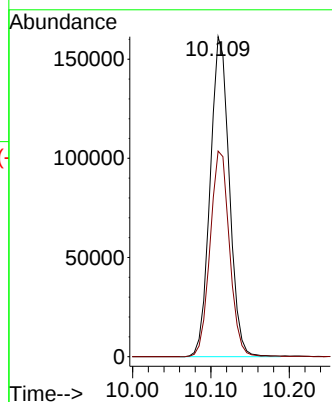
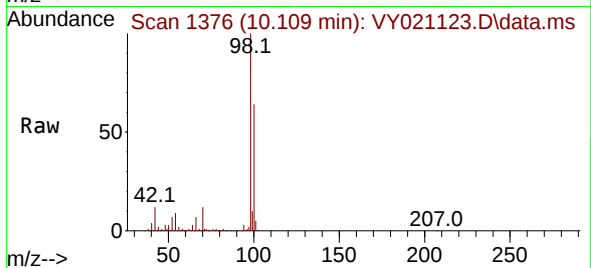




#50
Toluene-d8
Concen: 48.927 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

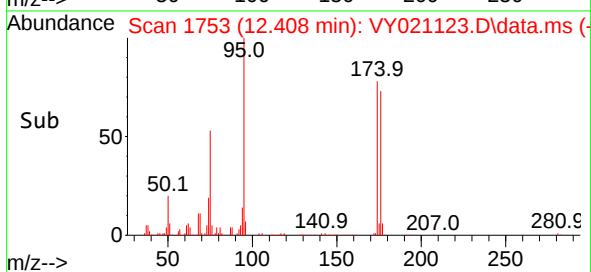
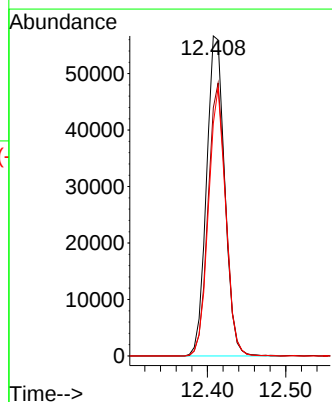
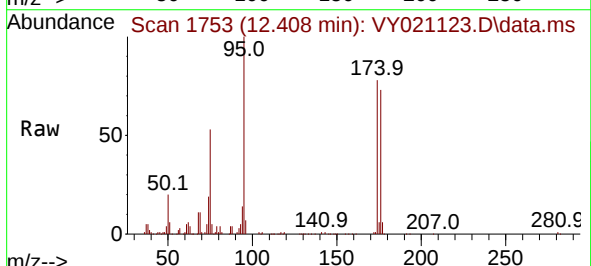
Instrument :
MSVOA_Y
ClientSampleId :

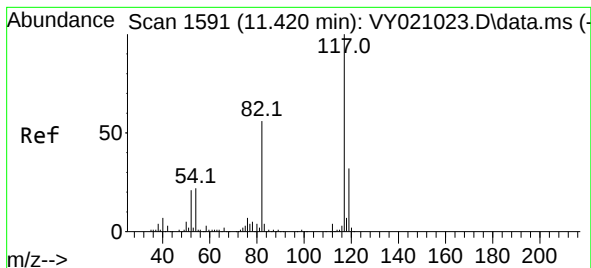
Tgt Ion: 98 Resp: 273786
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.884 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

Tgt Ion: 95 Resp: 91194
Ion Ratio Lower Upper
95 100
174 83.1 0.0 160.0
176 79.7 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: VY021123.D

Acq: 06 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

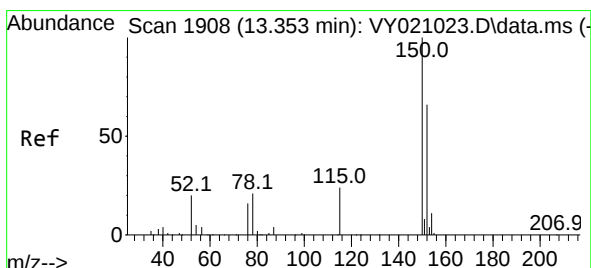
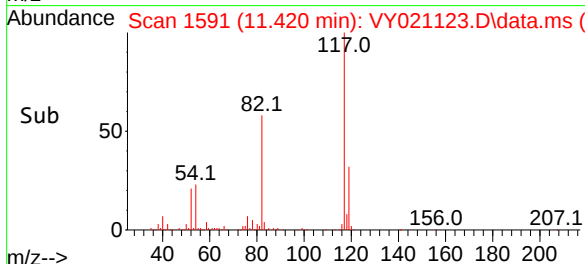
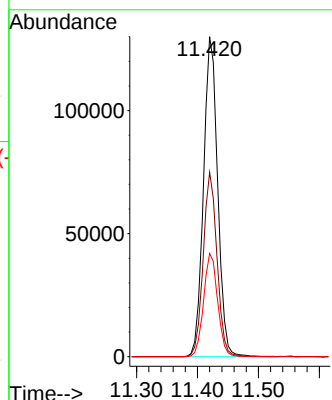
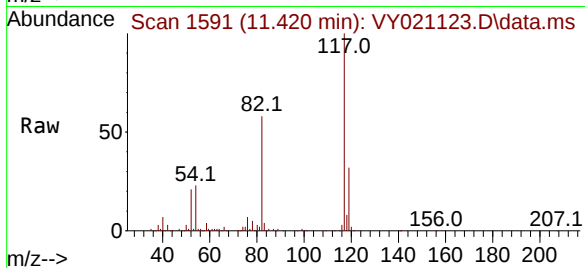
Tgt Ion:117 Resp: 210400

Ion Ratio Lower Upper

117 100

82 57.7 43.8 65.8

119 32.3 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: VY021123.D

Acq: 06 Feb 2025 19:52

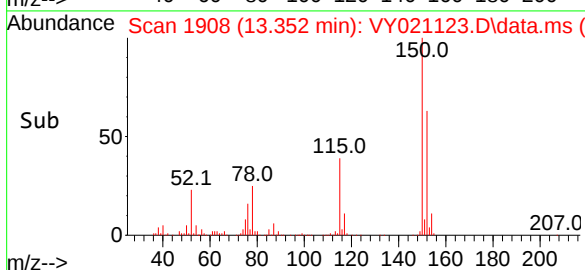
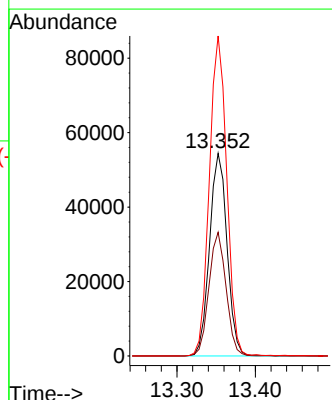
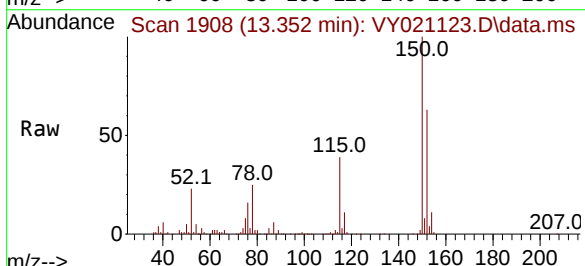
Tgt Ion:152 Resp: 84424

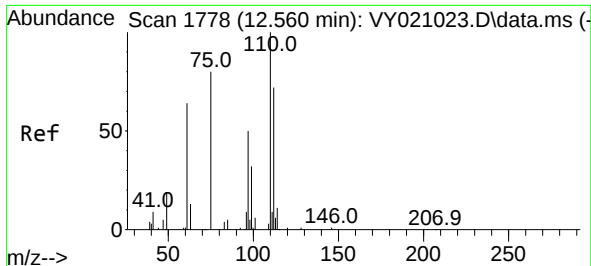
Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 156.7 0.0 344.6

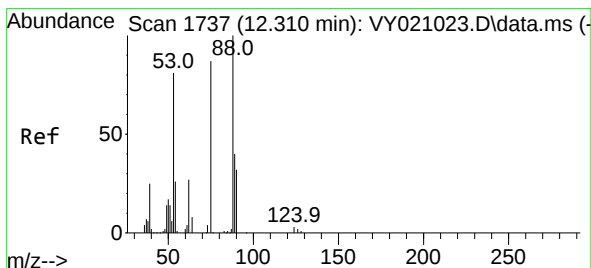
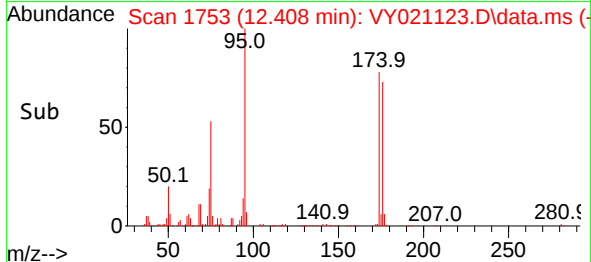
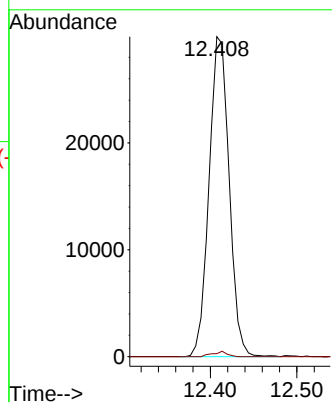
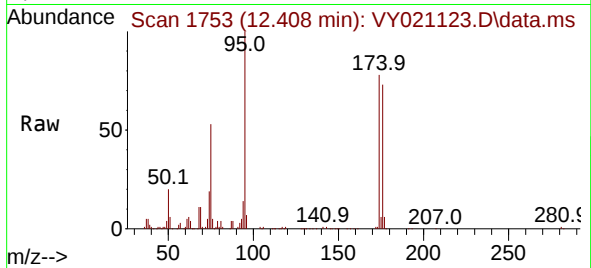




#76
1,2,3-Trichloropropane
Concen: 62.983 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

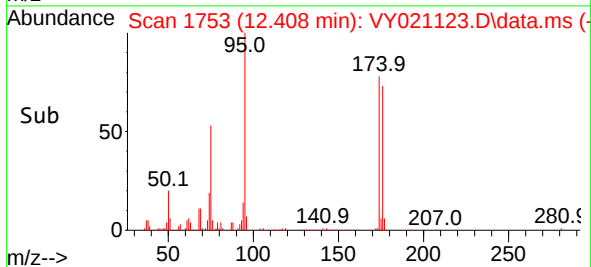
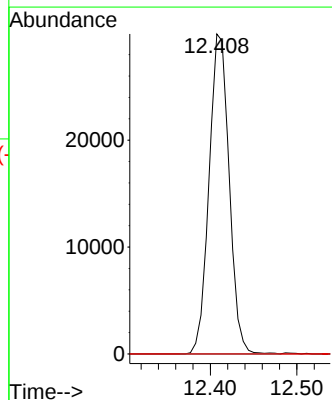
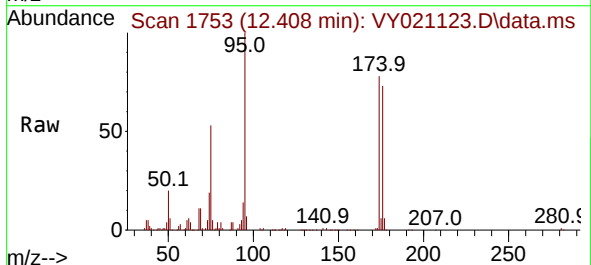
Instrument :
MSVOA_Y
ClientSampleId :

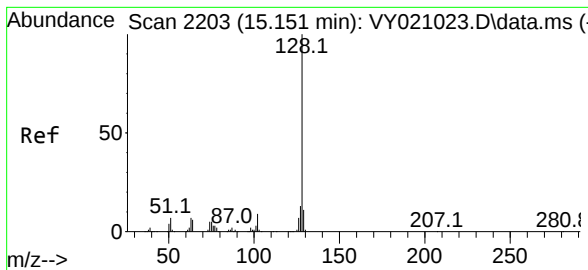
Tgt Ion: 75 Resp: 48234
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.515 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021123.D
Acq: 06 Feb 2025 19:52

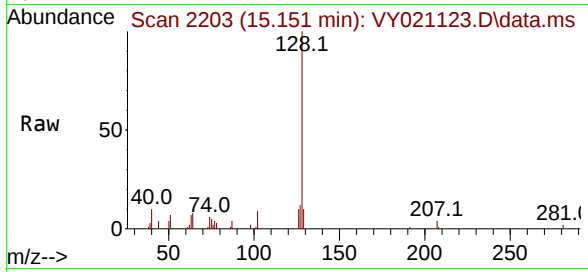
Tgt Ion: 75 Resp: 48234
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
 Naphthalene
 Concen: 4.490 ug/l
 RT: 15.151 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY021123.D
 Acq: 06 Feb 2025 19:52

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	10197
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.0	8.6	12.8

