

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021209.D
 Acq On : 14 Feb 2025 14:13
 Operator : SY/MD
 Sample : Q1365-08
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 22:20:18 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)

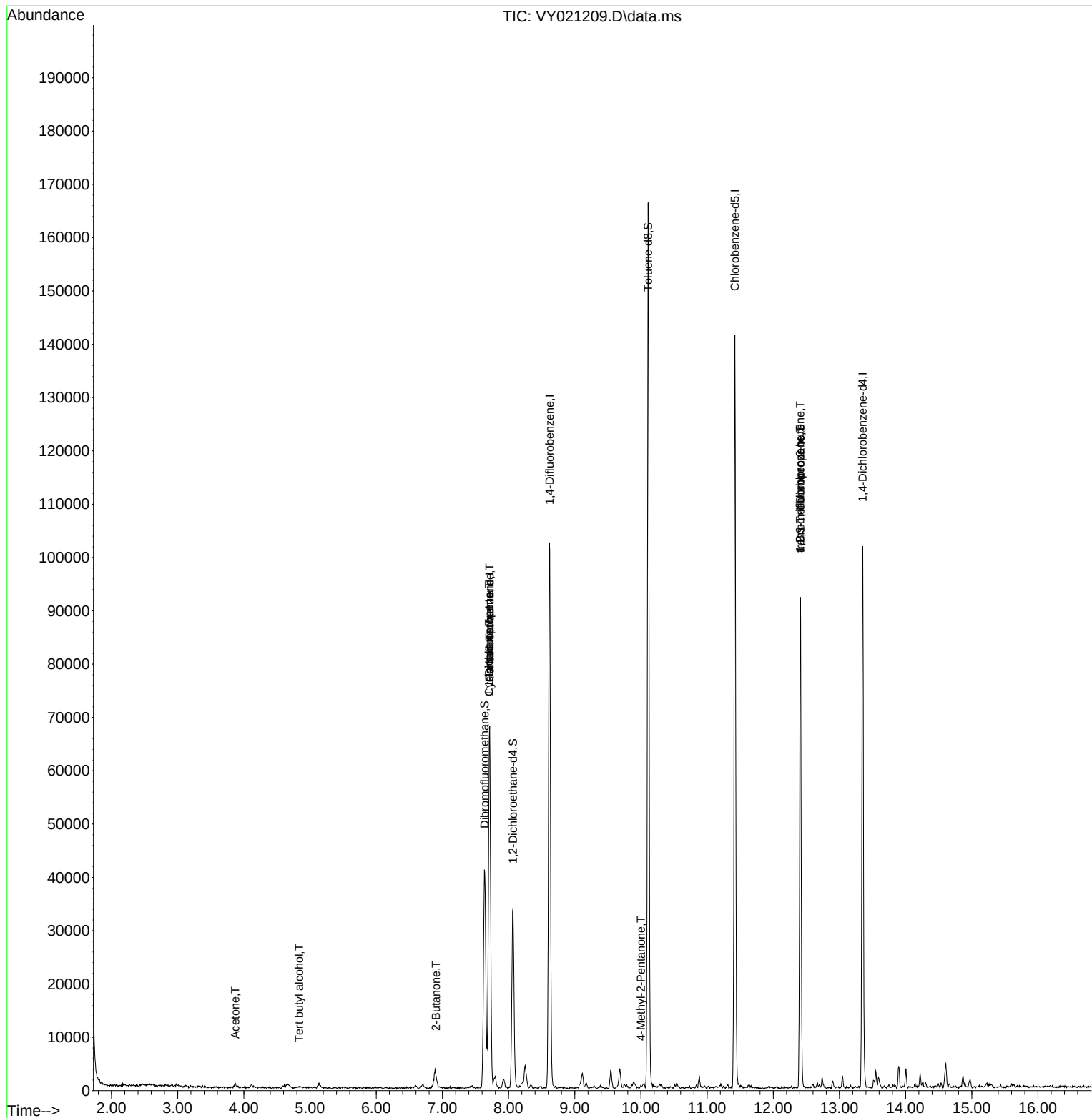
Internal Standards						
1) Pentafluorobenzene	7.713	168	51138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	84998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	72674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	25812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	27589	52.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.320%	
35) Dibromofluoromethane	7.640	113	28845	52.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.109	98	103548	49.932	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.407	95	27351	40.370	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.835	59	315	8.872	ug/l #	75
16) Acetone	3.872	43	1344	16.449	ug/l	94
25) 2-Butanone	6.902	43	238	1.773	ug/l #	48
31) Cyclohexane	7.707	56	1626	1.819	ug/l #	46
36) 1,1-Dichloropropene	7.707	75	4331	5.368	ug/l #	52
38) Carbon Tetrachloride	7.713	117	5138	5.450	ug/l #	16
51) 4-Methyl-2-Pentanone	9.999	43	367	1.038	ug/l #	49
76) 1,2,3-Trichloropropane	12.407	75	15343	65.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	15343	133.707	ug/l #	12

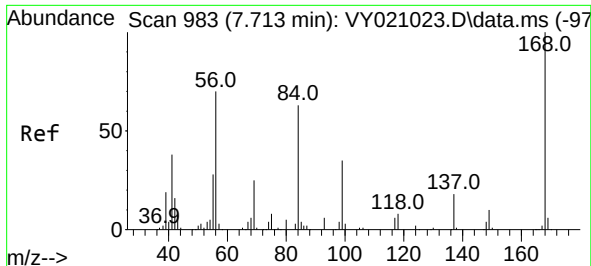
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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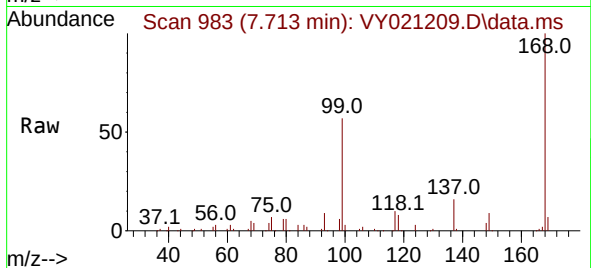
Quant Time: Feb 14 22:20:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
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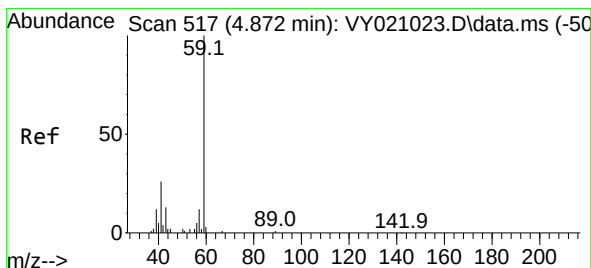
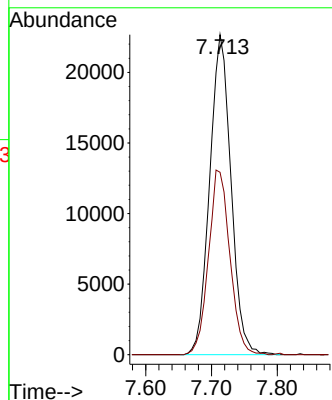
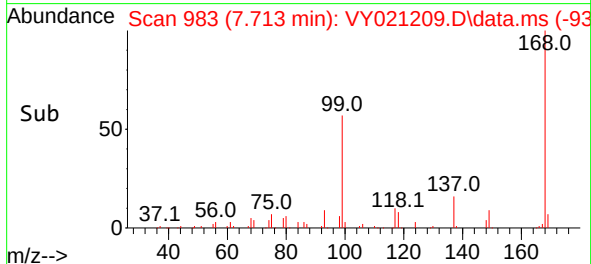


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :

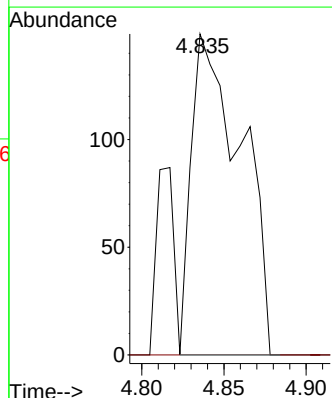
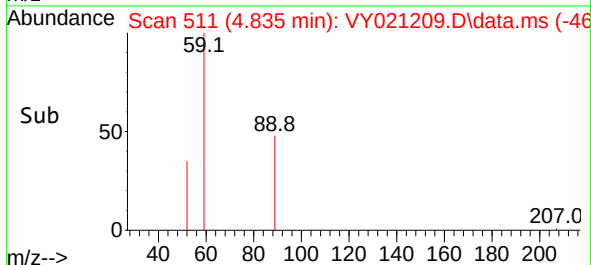
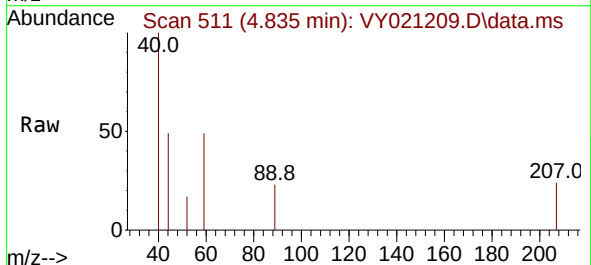


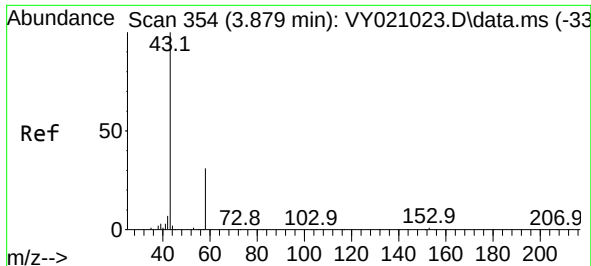
Tgt Ion:168 Resp: 51138
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 8.872 ug/l
RT: 4.835 min Scan# 511
Delta R.T. -0.037 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

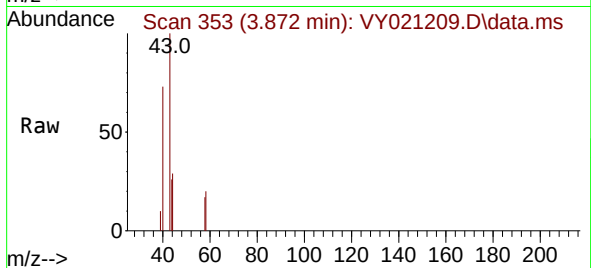
Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



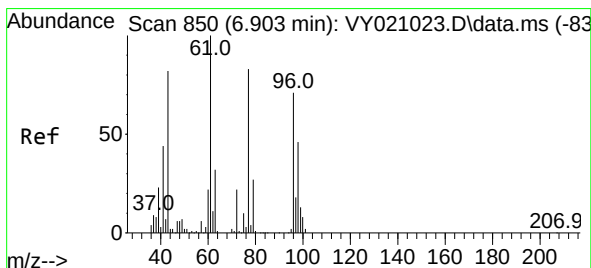
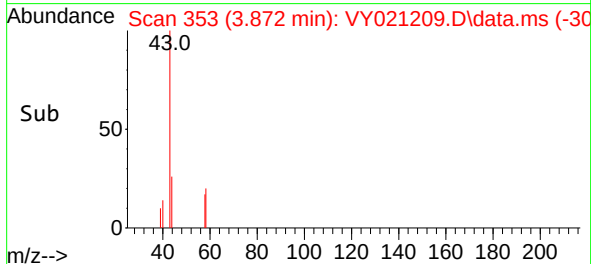
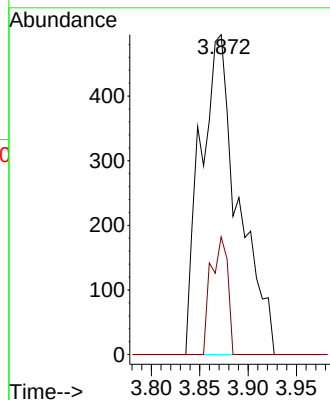


#16
Acetone
Concen: 16.449 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

Instrument :
MSVOA_Y
ClientSampleId :

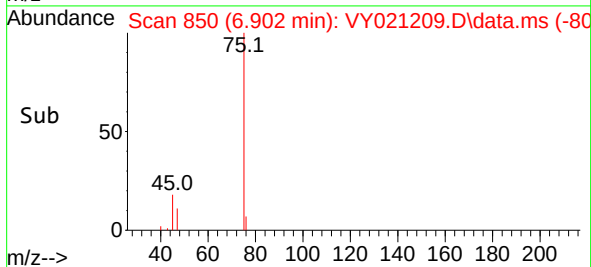
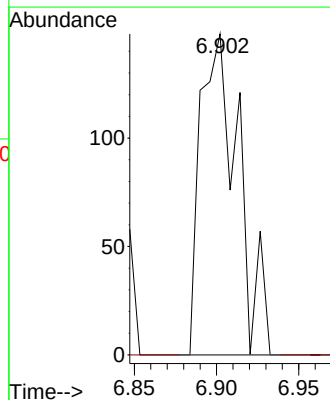
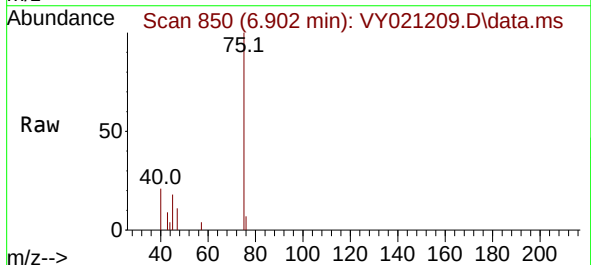


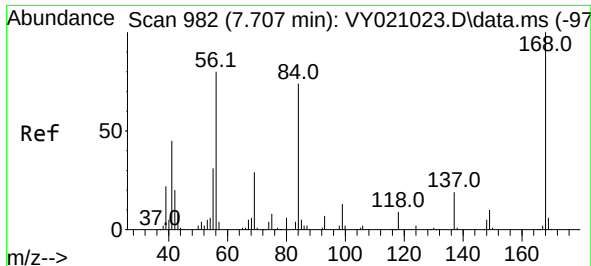
Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 36.8 26.6 39.8



#25
2-Butanone
Concen: 1.773 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

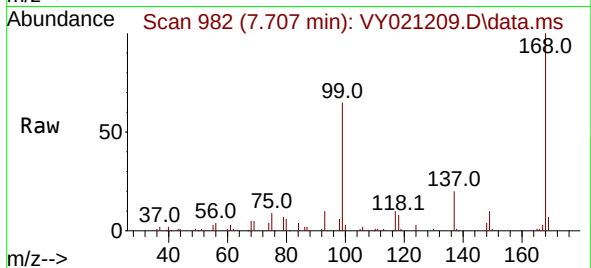
Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



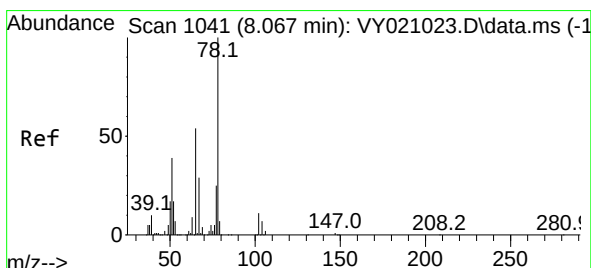
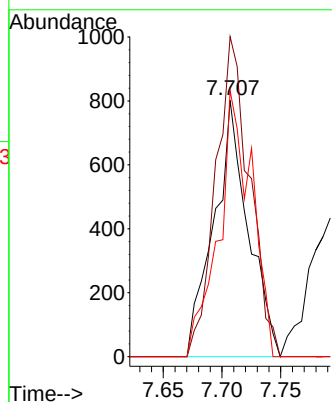
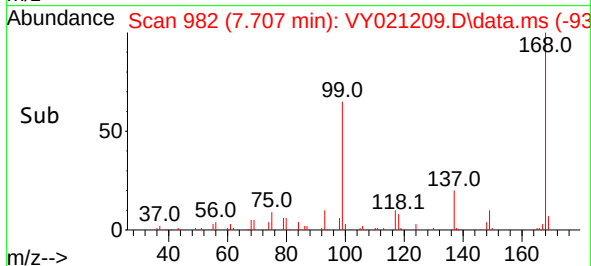


#31
Cyclohexane
Concen: 1.819 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

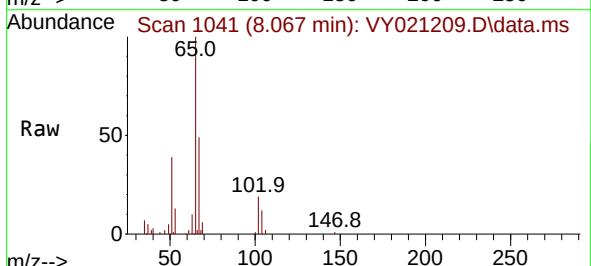
Instrument :
MSVOA_Y
ClientSampleId :



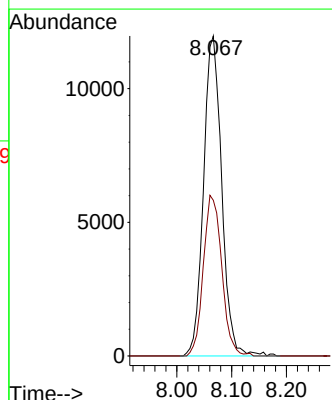
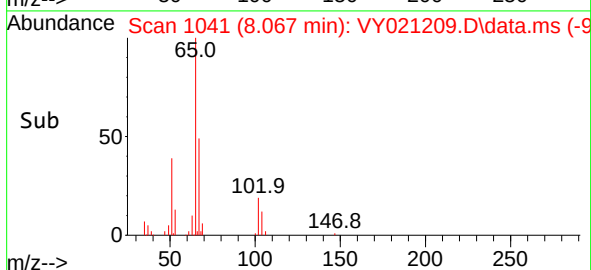
Tgt Ion: 56 Resp: 1626
Ion Ratio Lower Upper
56 100
69 124.8 27.0 40.6#
84 103.7 71.8 107.6

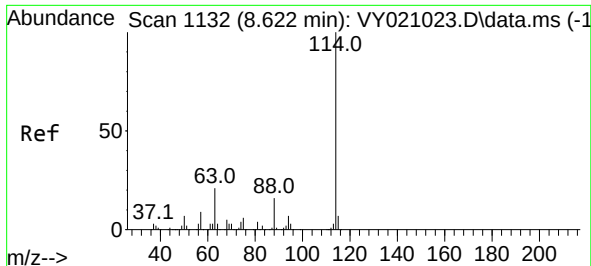


#33
1,2-Dichloroethane-d4
Concen: 52.656 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13



Tgt Ion: 65 Resp: 27589
Ion Ratio Lower Upper
65 100
67 50.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.001 min

Lab File: VY021209.D

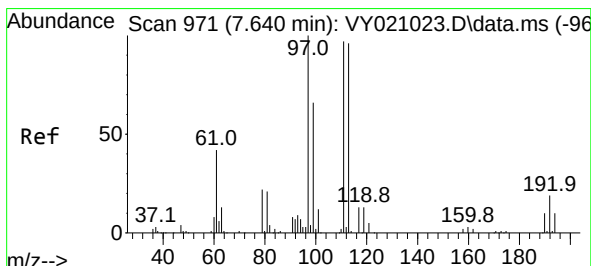
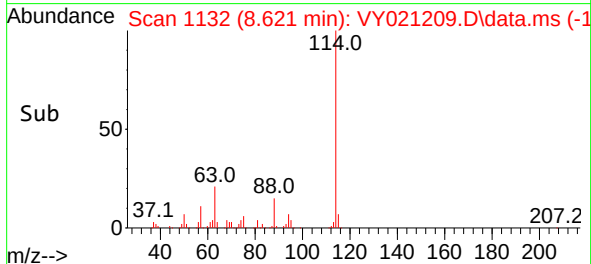
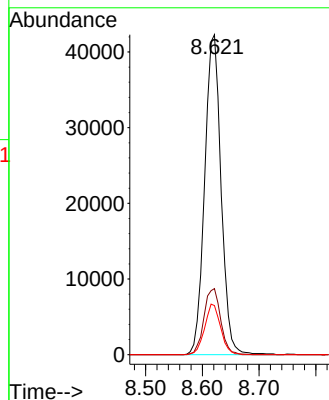
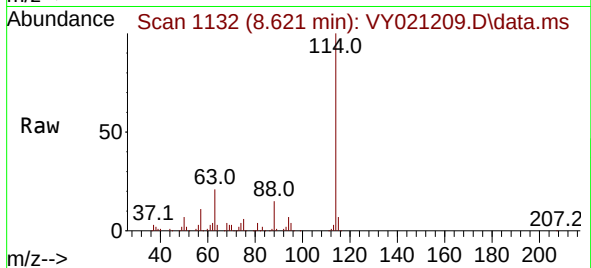
Acq: 14 Feb 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	84998
Ion Ratio	Lower	Upper
114	100	
63	20.7	0.0 37.4
88	15.3	0.0 29.0



#35

Dibromofluoromethane

Concen: 52.953 ug/l

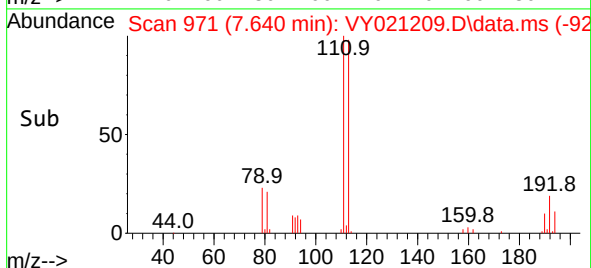
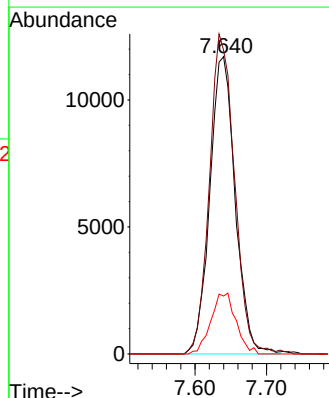
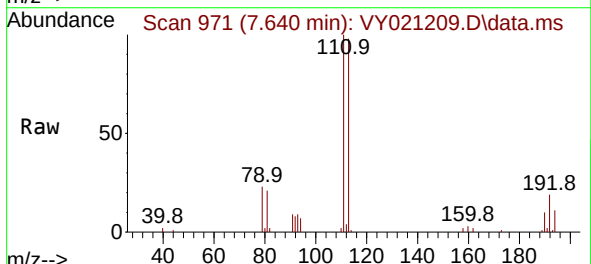
RT: 7.640 min Scan# 971

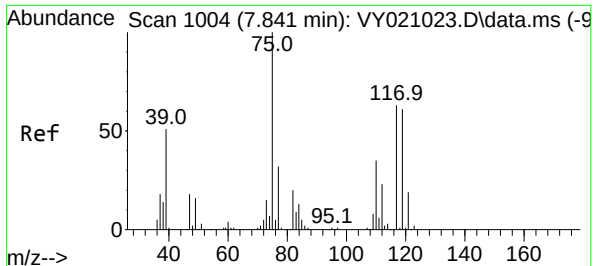
Delta R.T. -0.001 min

Lab File: VY021209.D

Acq: 14 Feb 2025 14:13

Tgt Ion:113	Resp:	28845
Ion Ratio	Lower	Upper
113	100	
111	106.6	83.8 125.6
192	20.2	14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.135 min

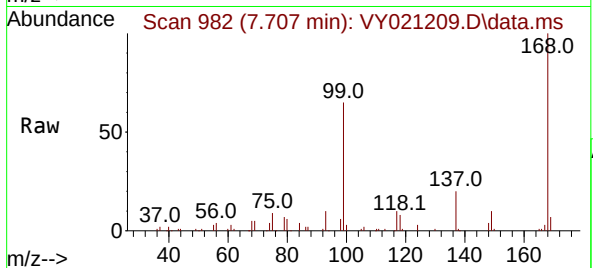
Lab File: VY021209.D

Acq: 14 Feb 2025 14:13

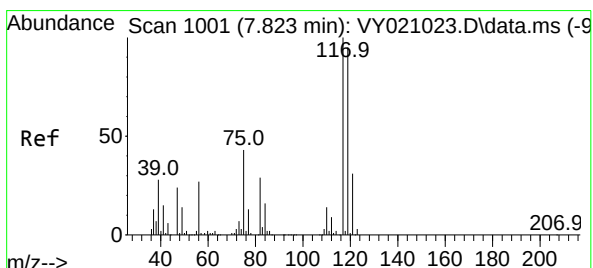
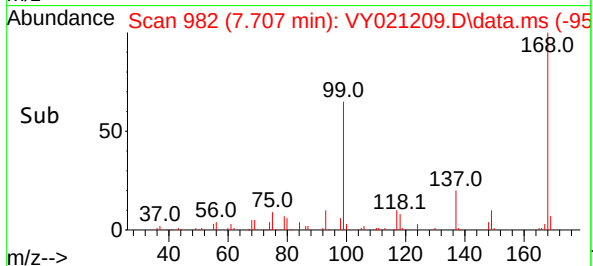
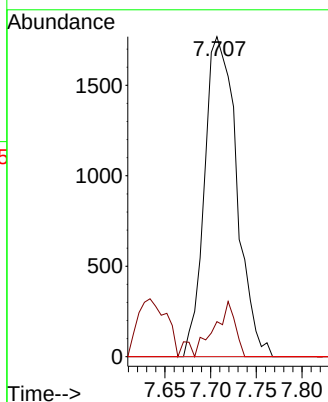
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 4331
Ion Ratio	Lower Upper
75	100
110	11.1 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

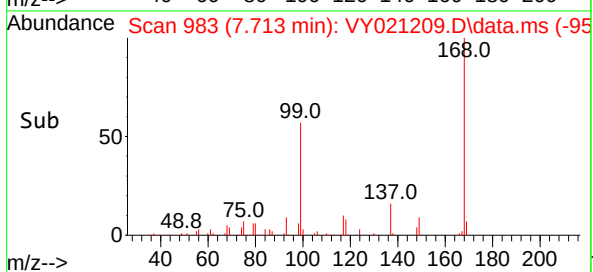
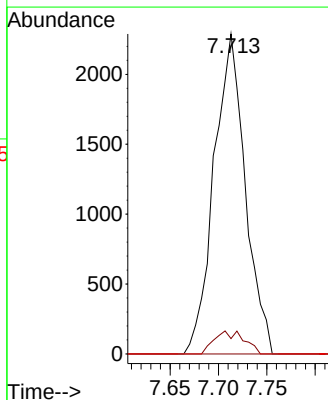
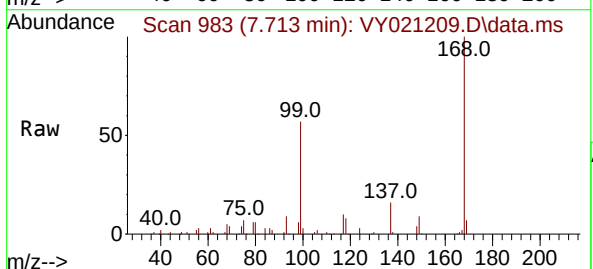
RT: 7.713 min Scan# 983

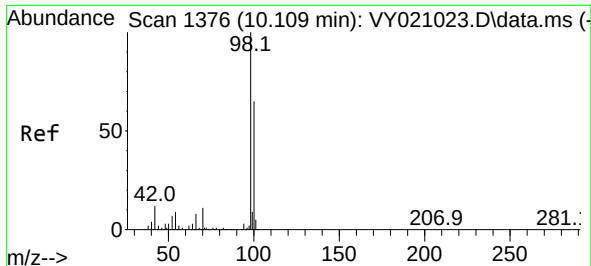
Delta R.T. -0.110 min

Lab File: VY021209.D

Acq: 14 Feb 2025 14:13

Tgt Ion: 117	Resp: 5138
Ion Ratio	Lower Upper
117	100
119	4.8 76.0 114.0#
121	0.0 24.2 36.2#

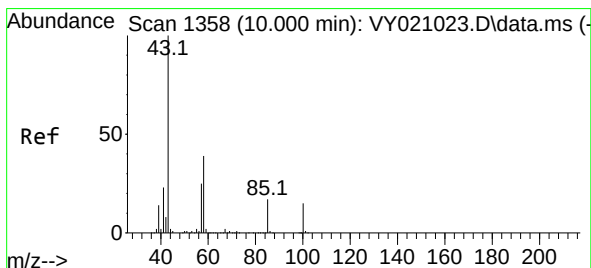
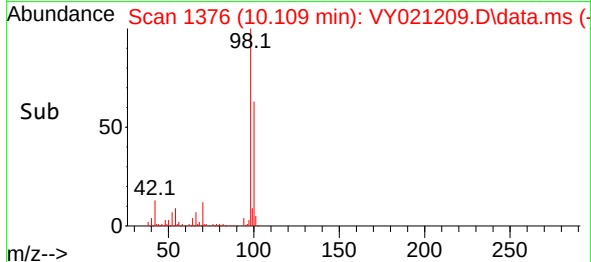
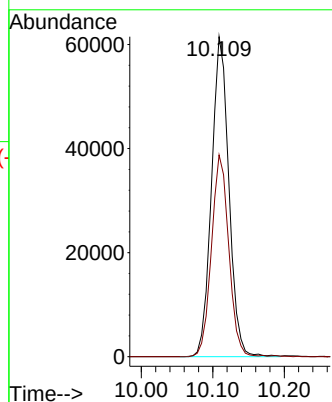
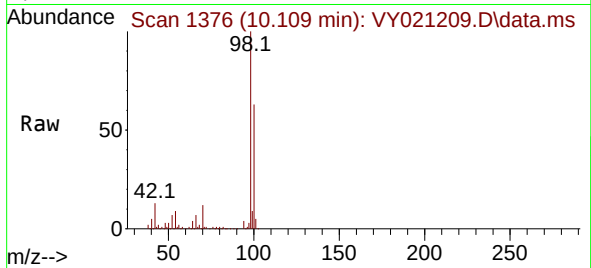




#50
Toluene-d8
Concen: 49.932 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

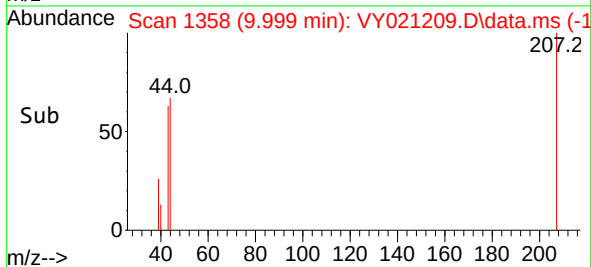
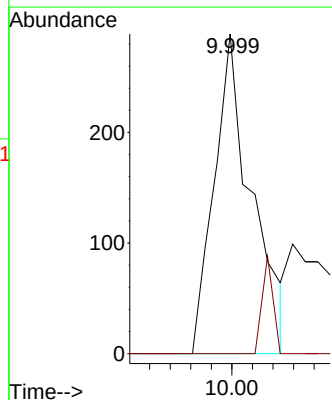
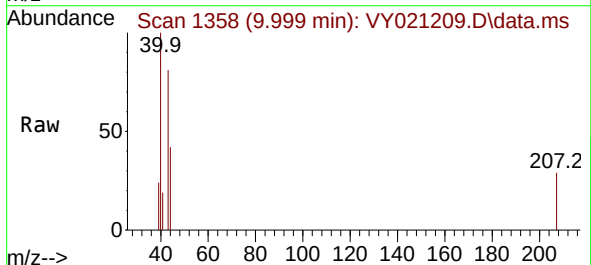
Instrument :
MSVOA_Y
ClientSampleId :

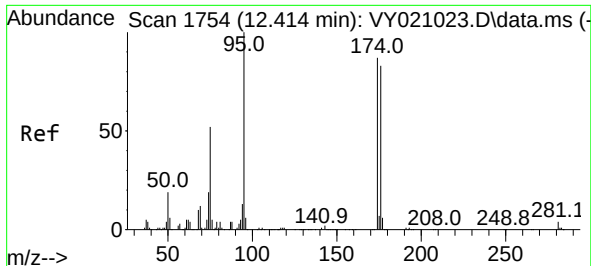
Tgt Ion: 98 Resp: 103548
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.038 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
58 8.7 32.2 48.2#

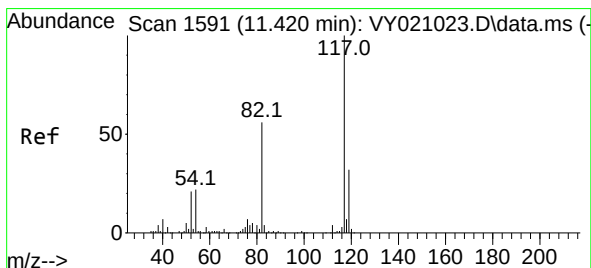
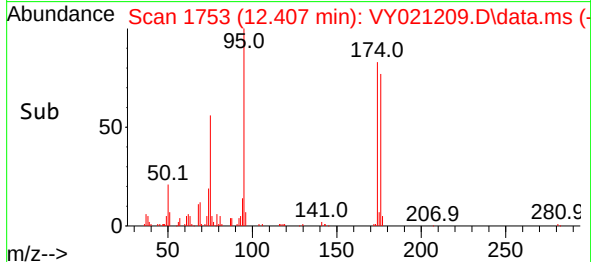
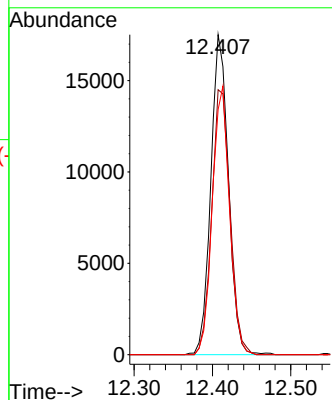
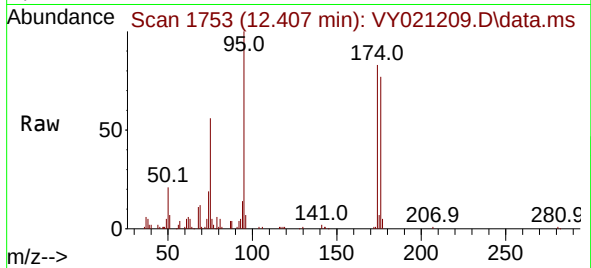




#62
4-Bromofluorobenzene
Concen: 40.370 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.007 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

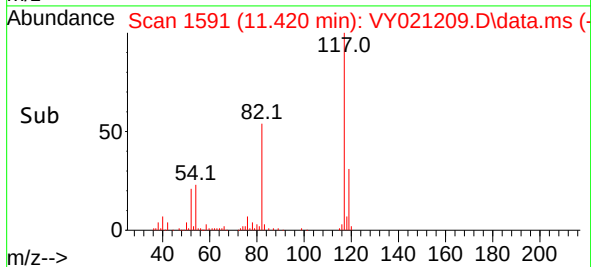
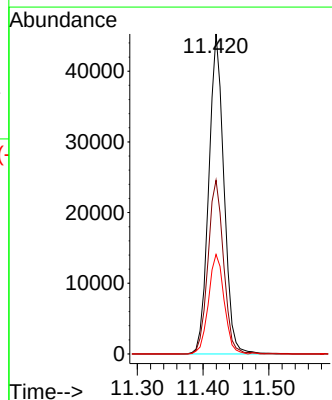
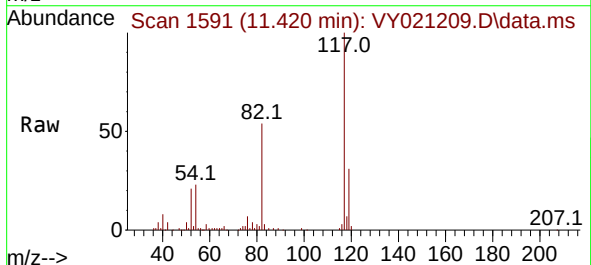
Instrument :
MSVOA_Y
ClientSampleId :

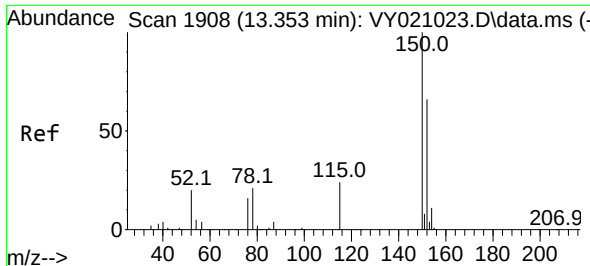
Tgt Ion:	95	Resp:	27351
Ion Ratio	Lower	Upper	
95	100		
174	86.1	0.0	160.0
176	82.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.001 min
Lab File: VY021209.D
Acq: 14 Feb 2025 14:13

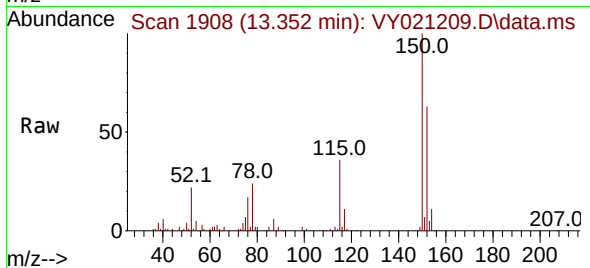
Tgt Ion:	117	Resp:	72674
Ion Ratio	Lower	Upper	
117	100		
82	54.3	43.8	65.8
119	31.1	26.5	39.7



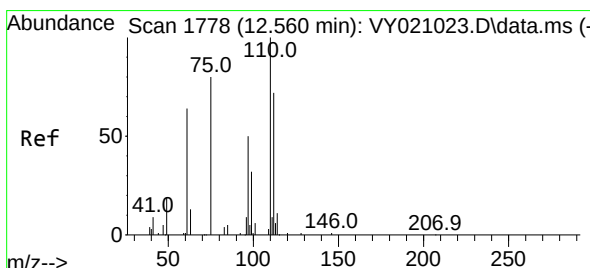
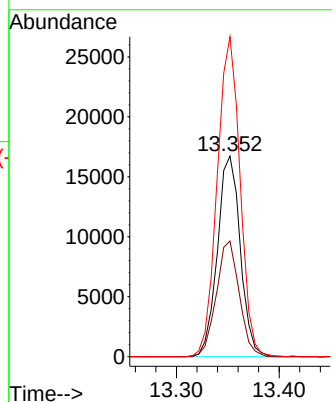
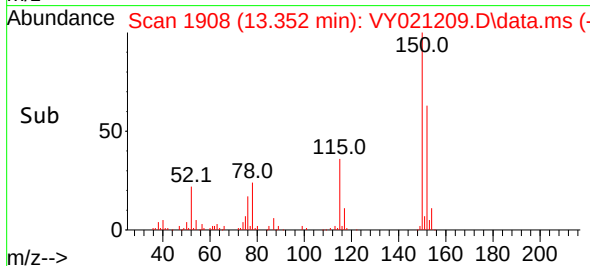


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.001 min
 Lab File: VY021209.D
 Acq: 14 Feb 2025 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :

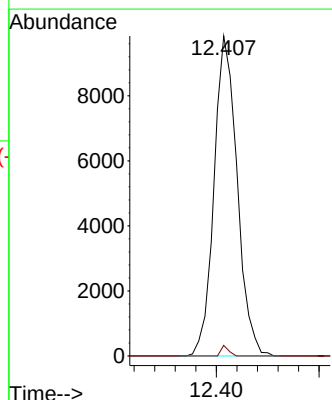
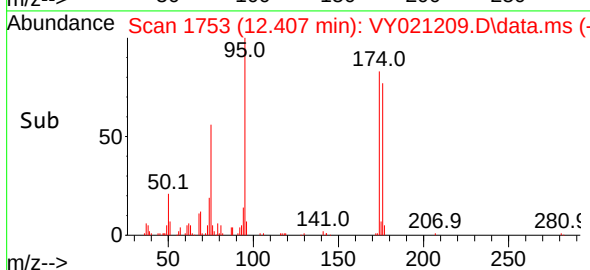
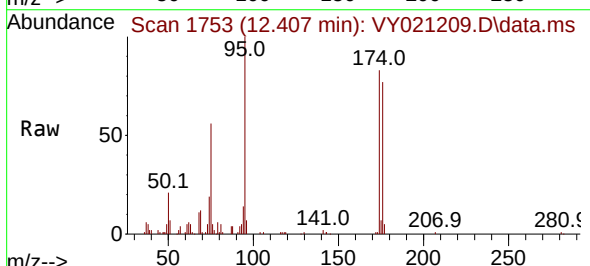


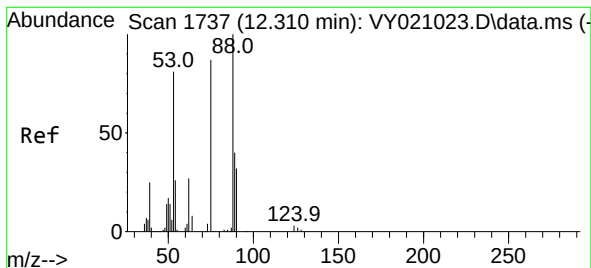
Tgt Ion:152 Resp: 25812
 Ion Ratio Lower Upper
 152 100
 115 57.8 30.0 90.0
 150 159.1 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 65.527 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.153 min
 Lab File: VY021209.D
 Acq: 14 Feb 2025 14:13

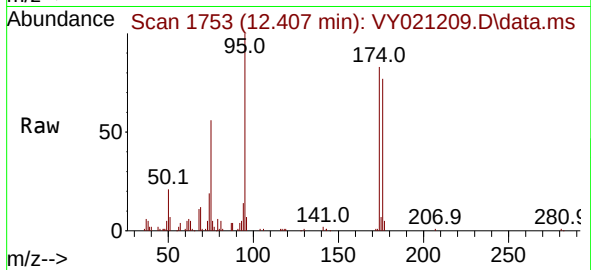
Tgt Ion: 75 Resp: 15343
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.707 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021209.D
 Acq: 14 Feb 2025 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 15343
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

