

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021047.D
 Acq On : 04 Feb 2025 10:15
 Operator : SY/MD
 Sample : VY0204SBL01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 05 00:43:02 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)

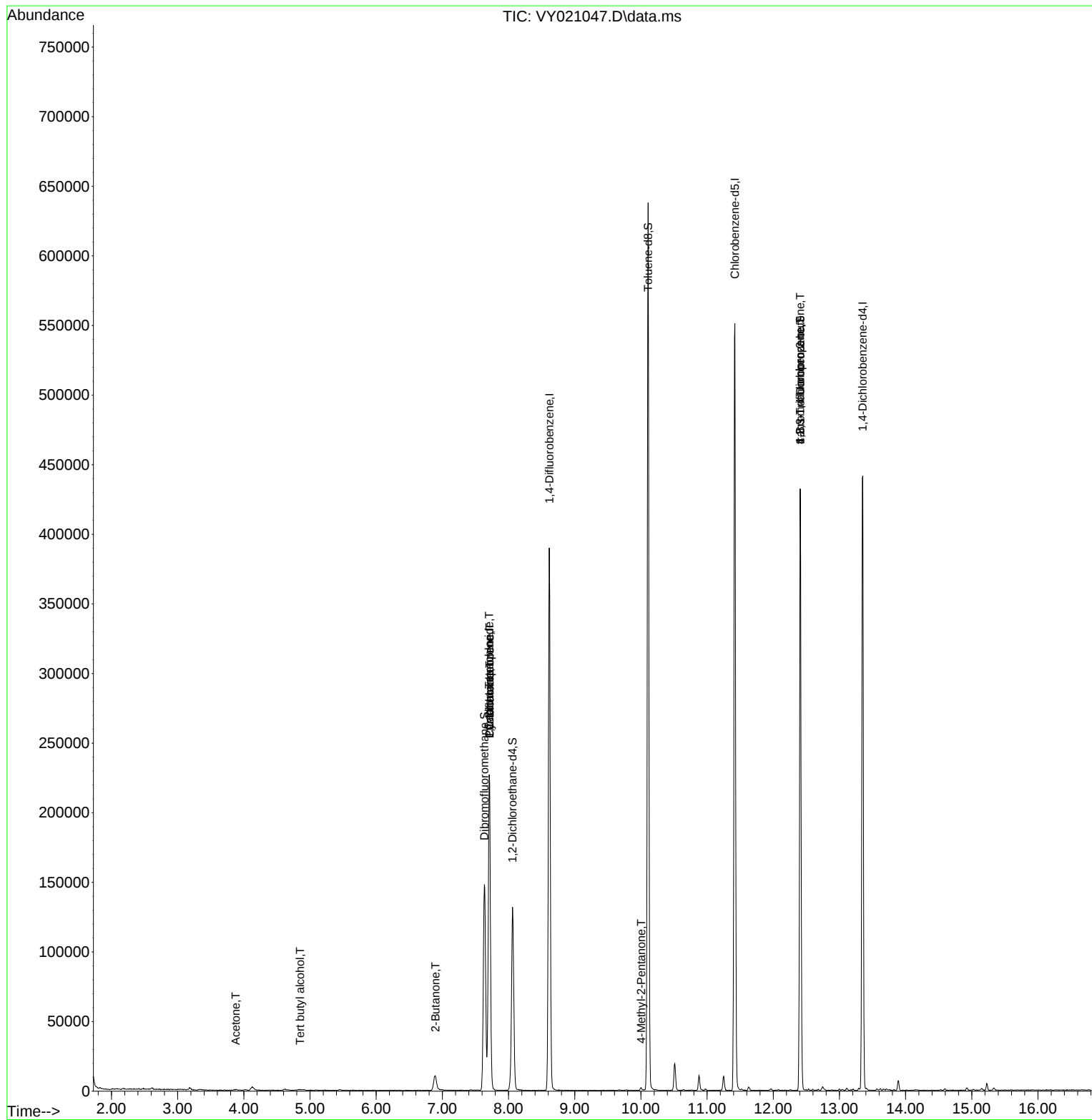
Internal Standards						
1) Pentafluorobenzene	7.713	168	173019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	114535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101700	57.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.740%	
35) Dibromofluoromethane	7.634	113	106203	51.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.160%	
50) Toluene-d8	10.109	98	390070	49.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.408	95	121663	47.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	1022	8.508	ug/l #	75
16) Acetone	3.879	43	1264	4.572	ug/l #	78
25) 2-Butanone	6.896	43	851	1.873	ug/l #	48
31) Cyclohexane	7.713	56	3926	1.298	ug/l #	21
36) 1,1-Dichloropropene	7.713	75	13630	4.469	ug/l #	52
38) Carbon Tetrachloride	7.707	117	17156	4.814	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1351	1.011	ug/l	100
76) 1,2,3-Trichloropropane	12.408	75	67474	64.943	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	67474	132.515	ug/l #	12

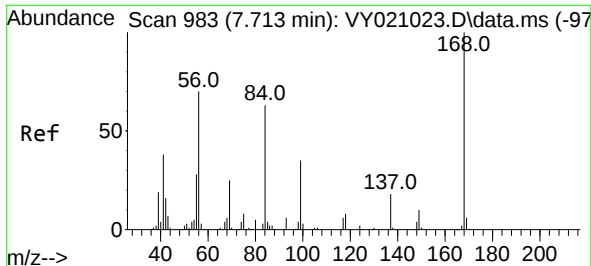
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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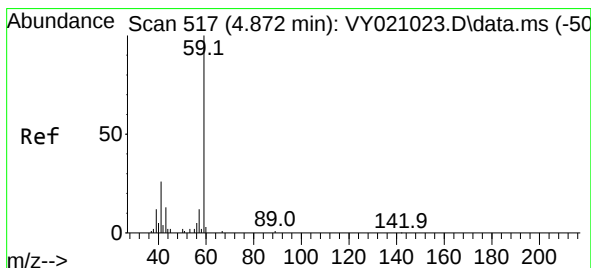
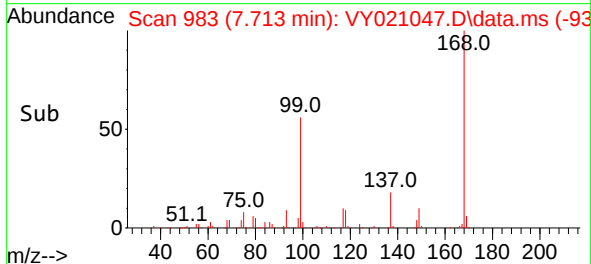
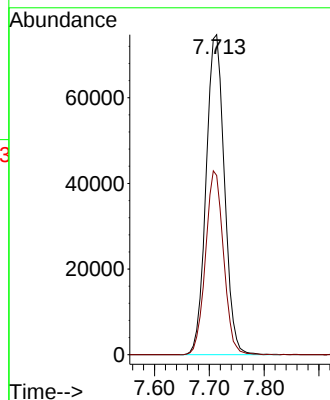
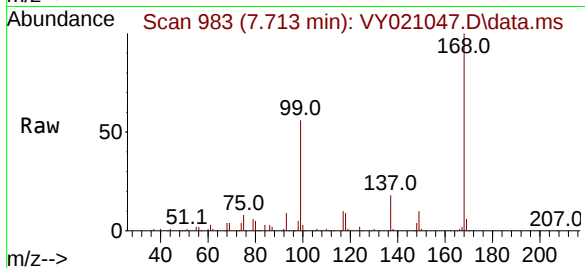




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

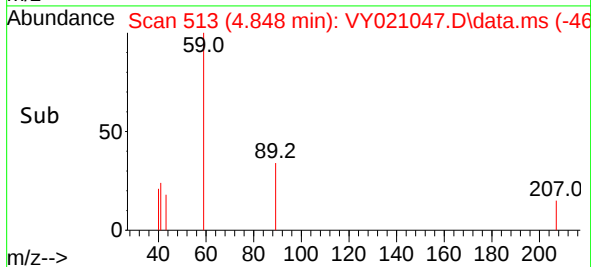
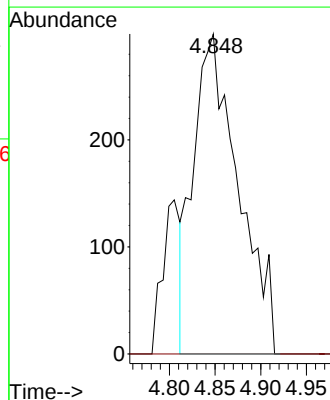
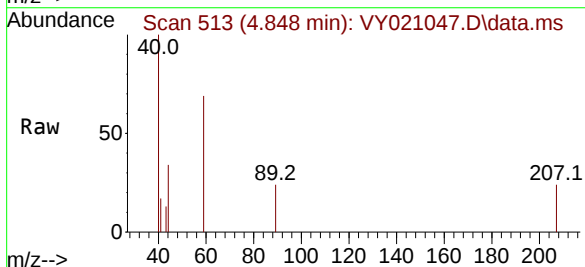
Instrument :
MSVOA_Y
ClientSampleId :

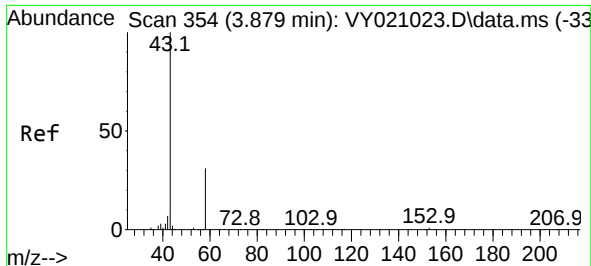
Tgt Ion:168 Resp: 173019
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 8.508 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 59 Resp: 1022
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

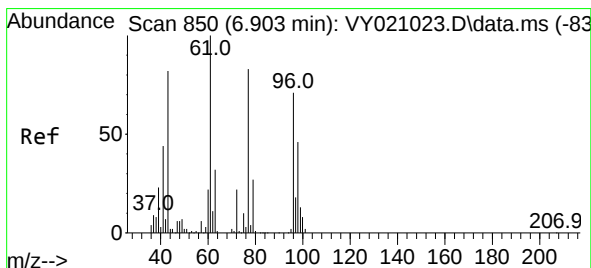
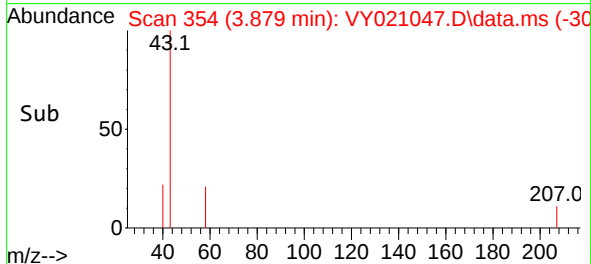
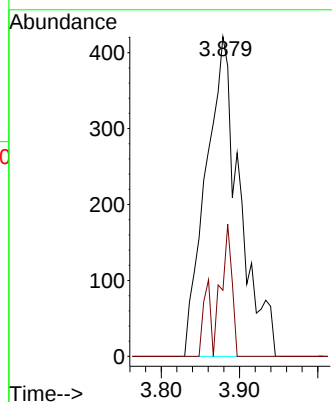
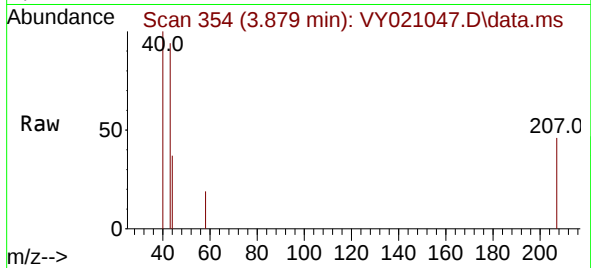




#16
Acetone
Concen: 4.572 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

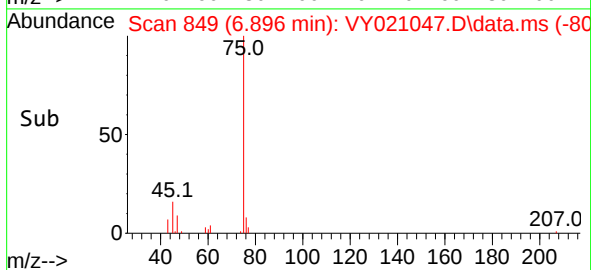
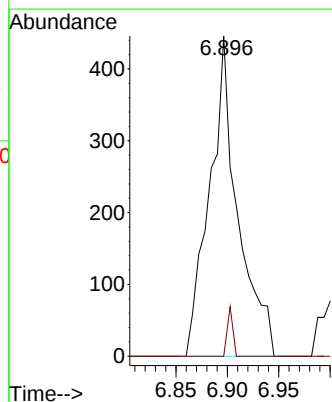
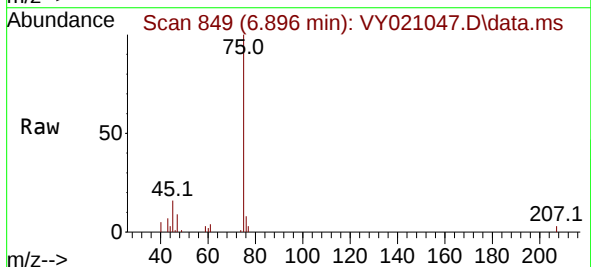
Instrument :
MSVOA_Y
ClientSampleId :

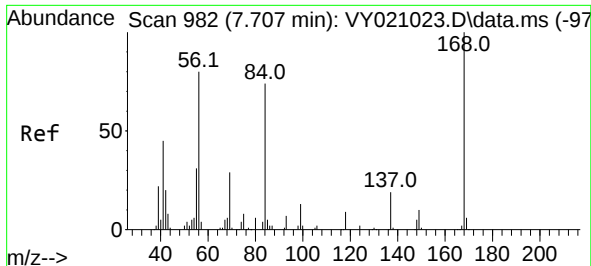
Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 20.7 26.6 39.8#



#25
2-Butanone
Concen: 1.873 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

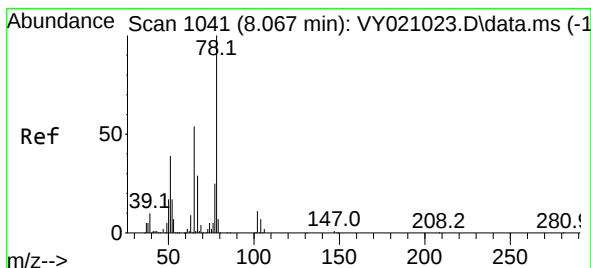
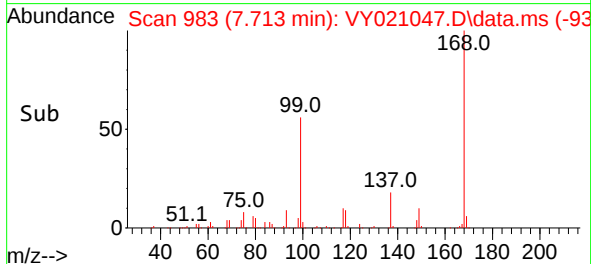
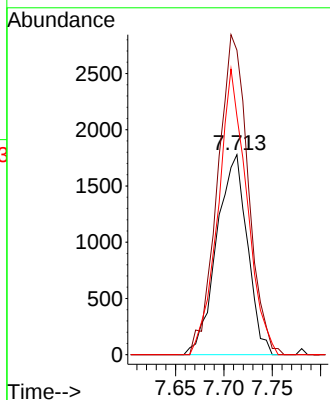
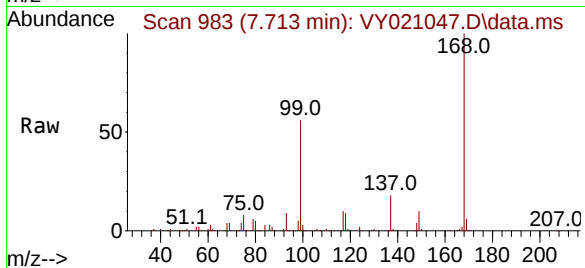




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

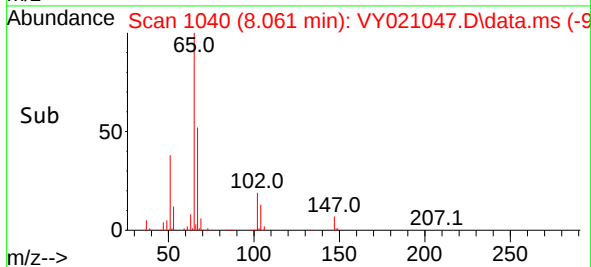
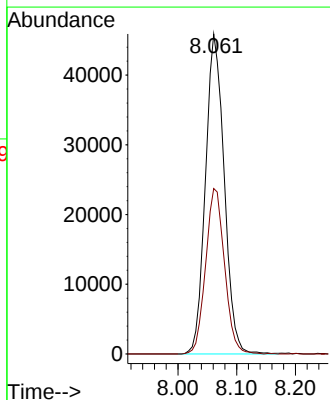
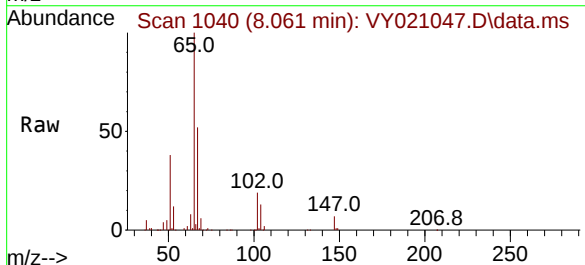
Instrument :
MSVOA_Y
ClientSampleId :

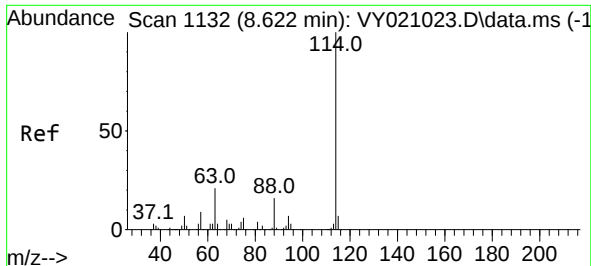
Tgt Ion: 56 Resp: 3926
Ion Ratio Lower Upper
56 100
69 152.2 27.0 40.6#
84 119.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 57.369 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 65 Resp: 101700
Ion Ratio Lower Upper
65 100
67 52.1 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: VY021047.D

Acq: 04 Feb 2025 10:15

Instrument :

MSVOA_Y

ClientSampleId :

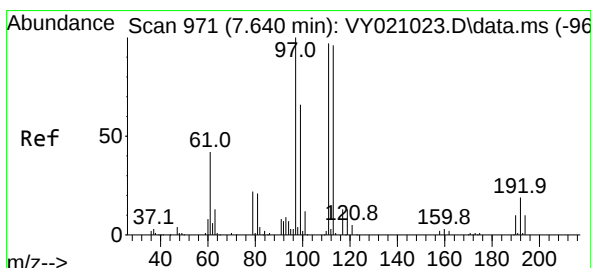
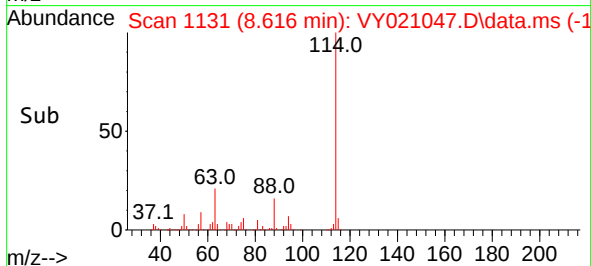
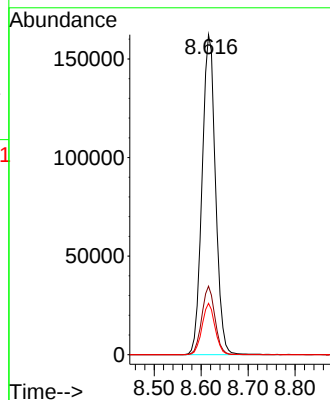
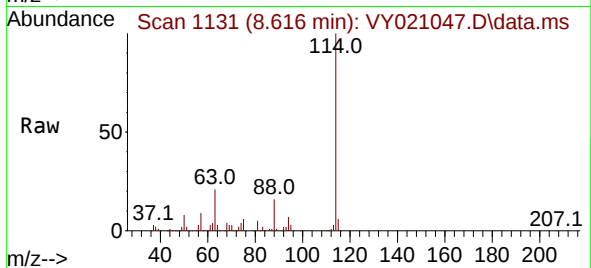
Tgt Ion:114 Resp: 321305

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

88 16.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.576 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

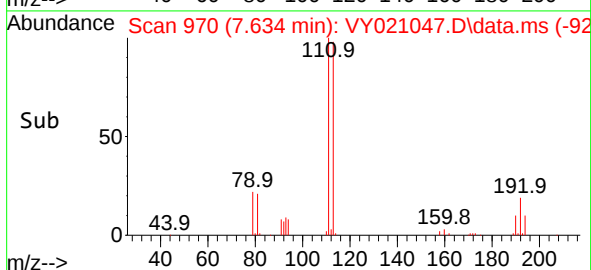
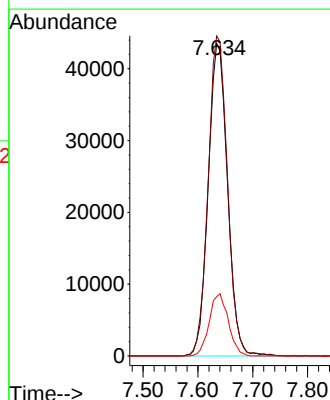
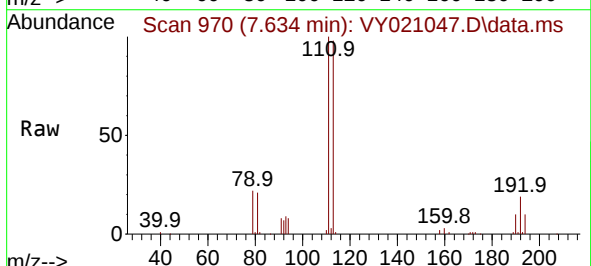
Tgt Ion:113 Resp: 106203

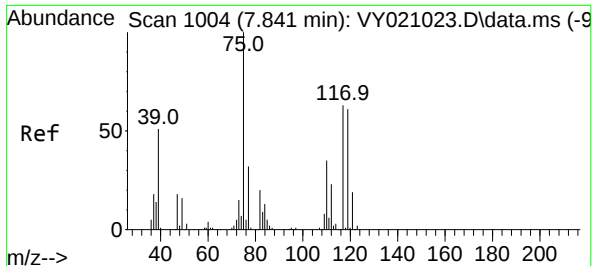
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.469 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021047.D

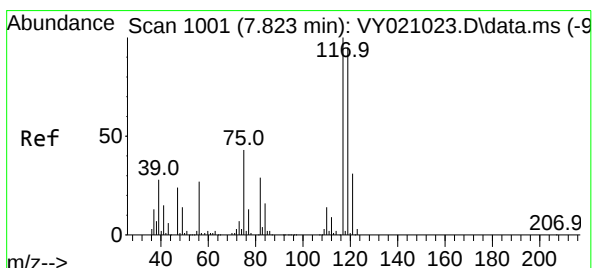
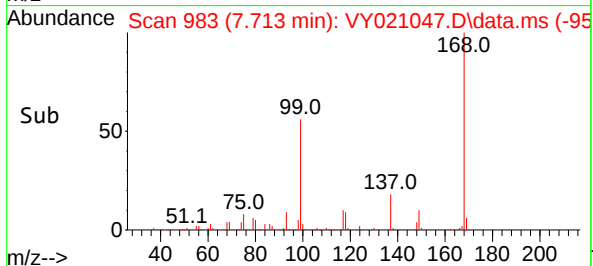
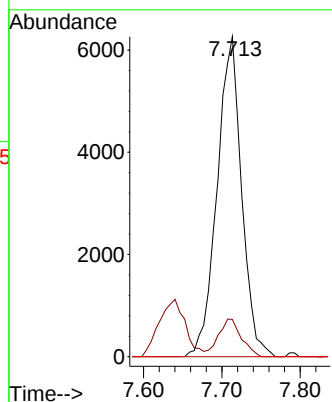
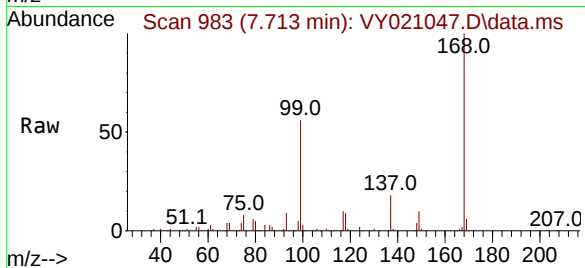
Acq: 04 Feb 2025 10:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	13630
Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.814 ug/l

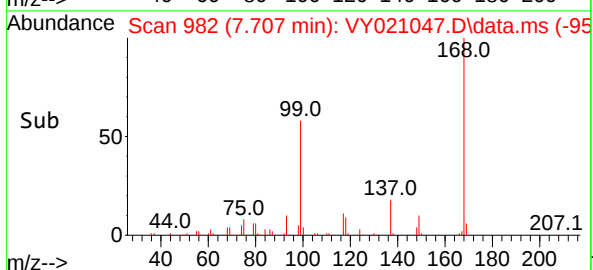
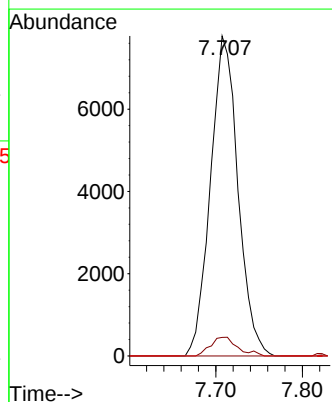
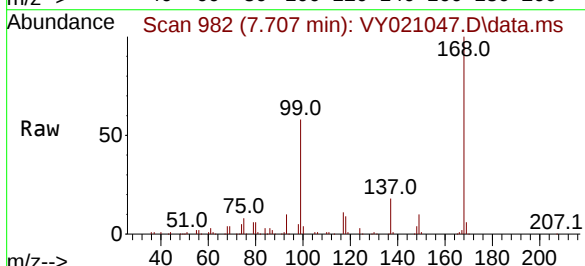
RT: 7.707 min Scan# 982

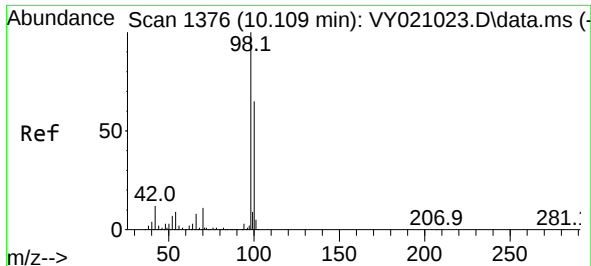
Delta R.T. -0.116 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

Tgt Ion:	117	Resp:	17156
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.0	114.0#
121	0.0	24.2	36.2#

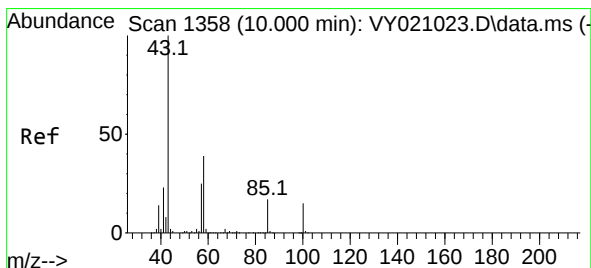
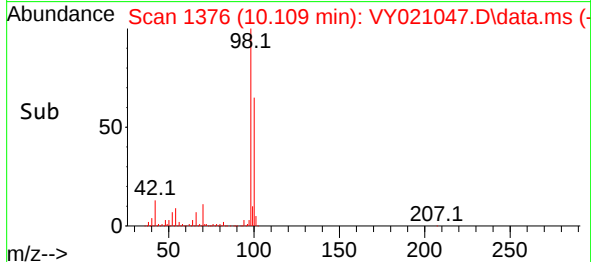
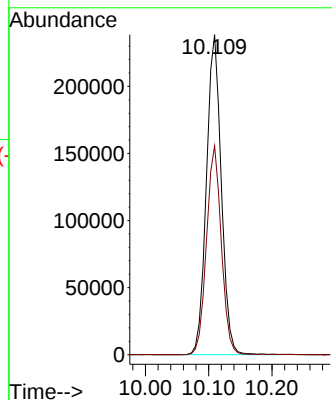
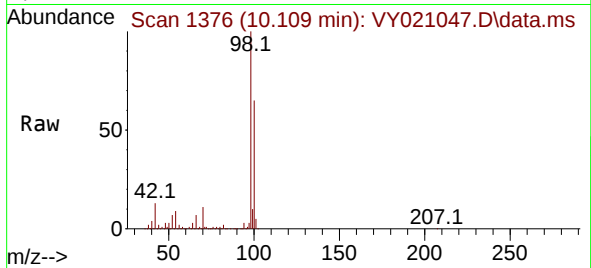




#50
Toluene-d8
Concen: 49.758 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

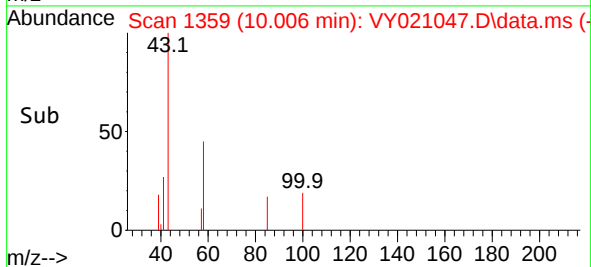
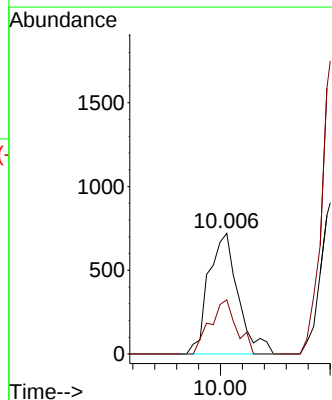
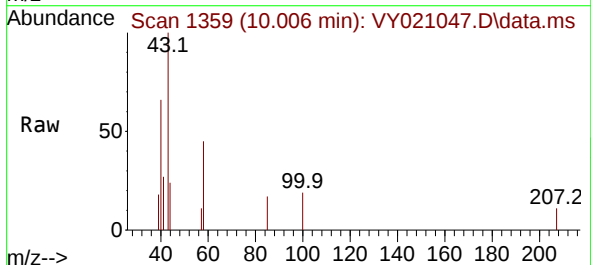
Instrument :
MSVOA_Y
ClientSampleId :

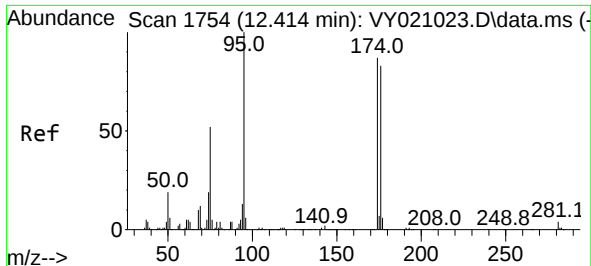
Tgt Ion: 98 Resp: 390070
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.2

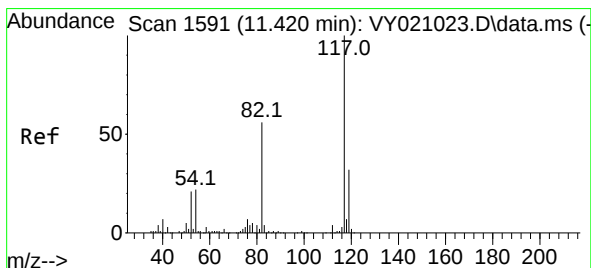
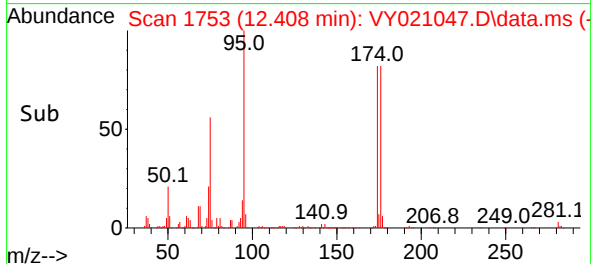
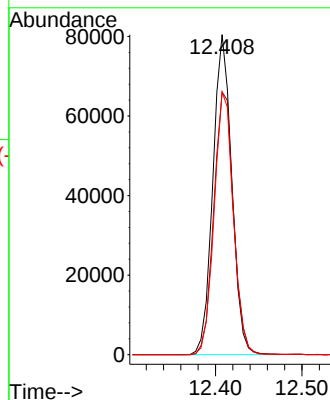
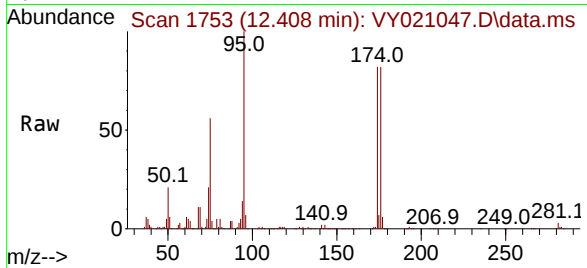




#62
4-Bromofluorobenzene
Concen: 47.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

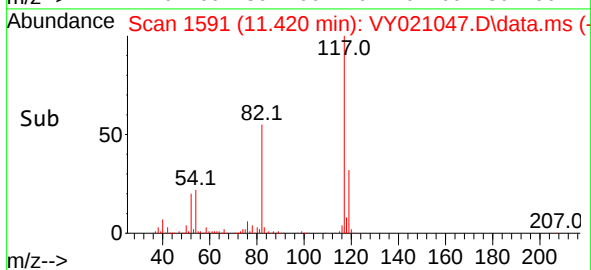
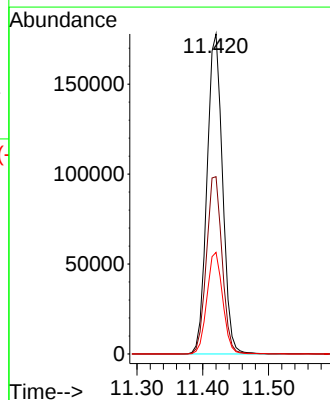
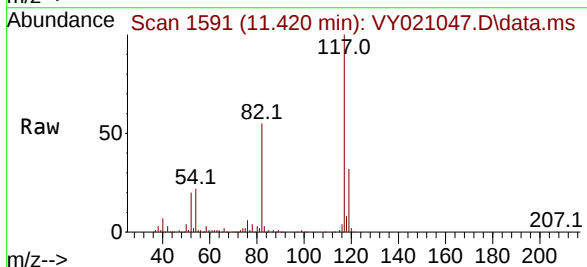
Instrument :
MSVOA_Y
ClientSampleId :

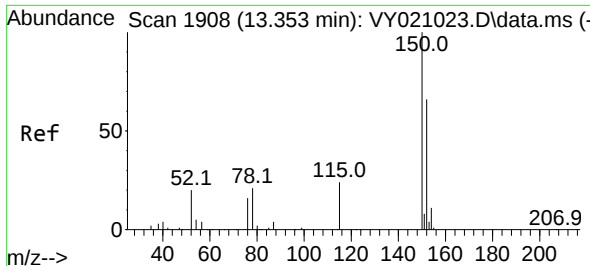
Tgt Ion: 95 Resp: 121663
Ion Ratio Lower Upper
95 100
174 85.9 0.0 160.0
176 83.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 117 Resp: 292351
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 31.8 26.5 39.7

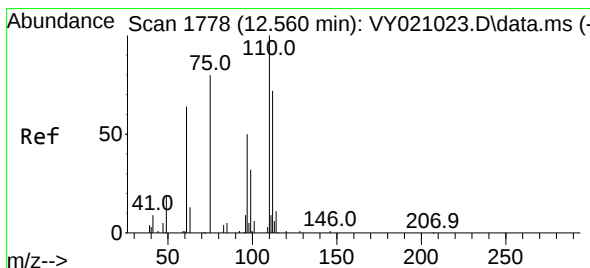
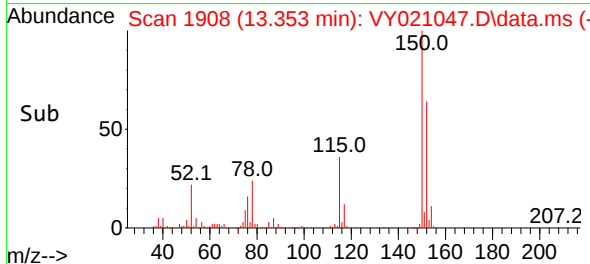
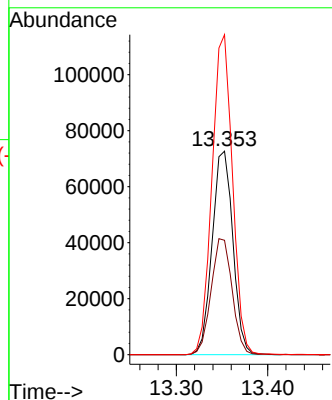
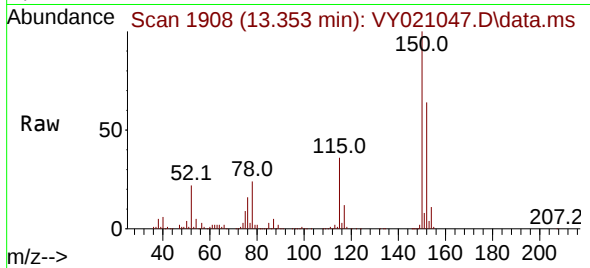




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021047.D
 Acq: 04 Feb 2025 10:15

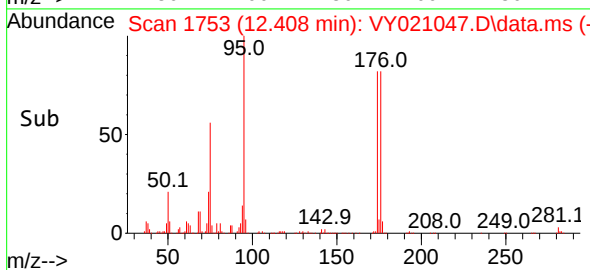
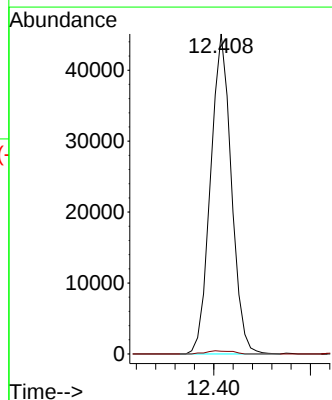
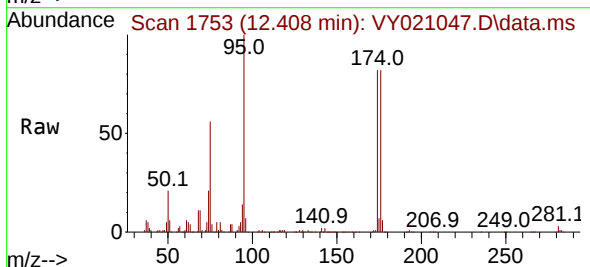
Instrument :
 MSVOA_Y
 ClientSampleId :

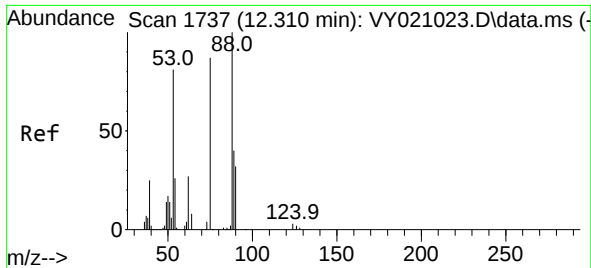
Tgt Ion:152 Resp: 114535
 Ion Ratio Lower Upper
 152 100
 115 57.9 30.0 90.0
 150 155.3 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 64.943 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021047.D
 Acq: 04 Feb 2025 10:15

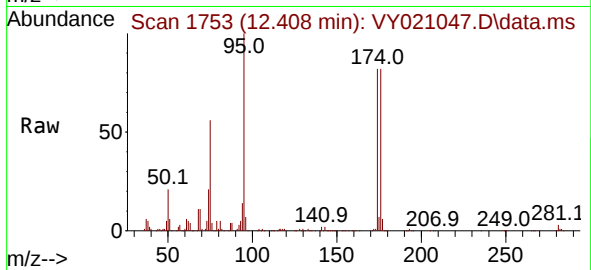
Tgt Ion: 75 Resp: 67474
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.515 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021047.D
 Acq: 04 Feb 2025 10:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 67474
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#

