

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021293.D
 Acq On : 21 Feb 2025 18:08
 Operator : SY/MD
 Sample : Q1382-13
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-07-021725

Quant Time: Feb 21 23:10:31 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)

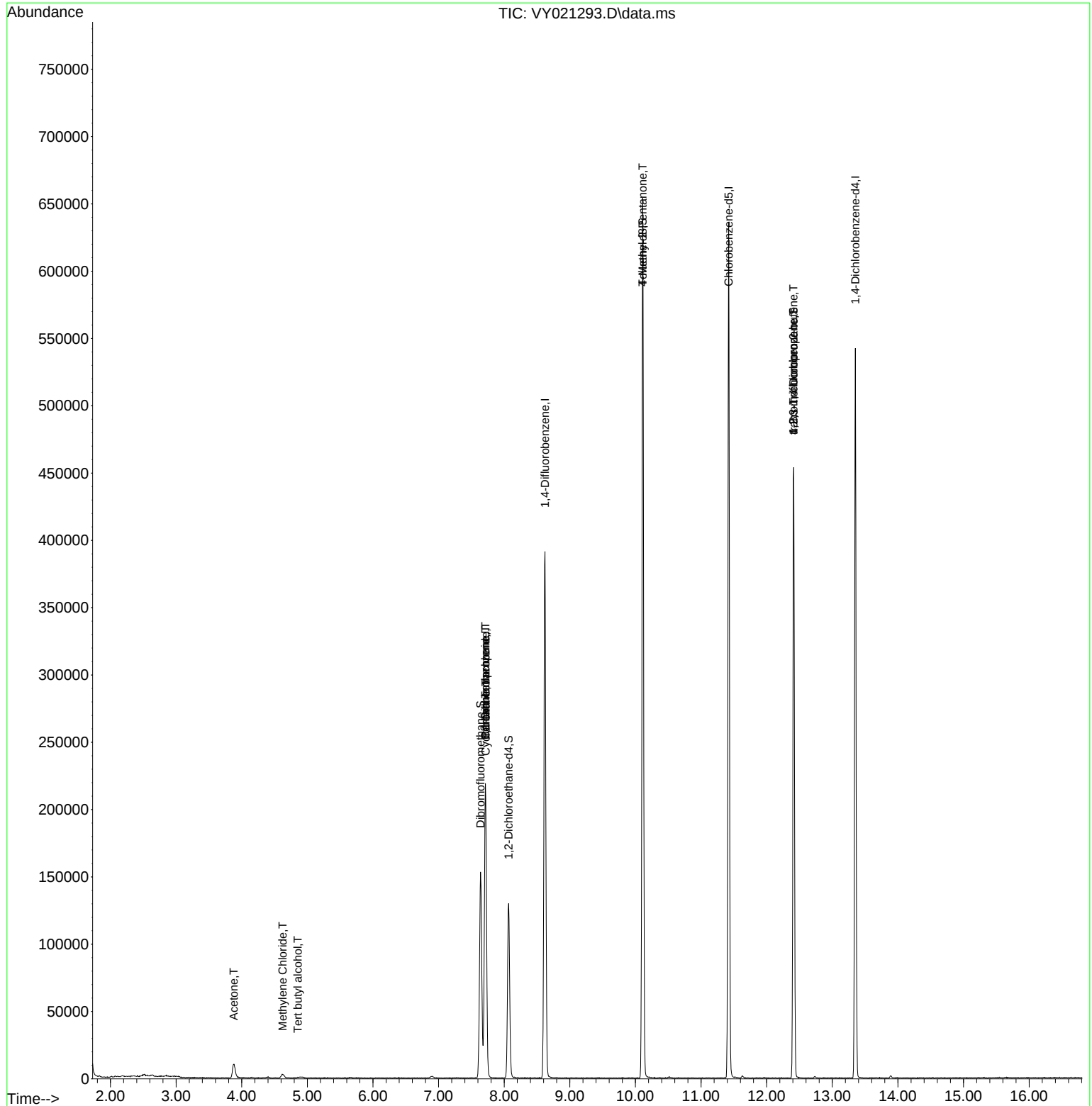
Internal Standards						
1) Pentafluorobenzene	7.713	168	164423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	323654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	310093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105861	62.839	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.680%	
35) Dibromofluoromethane	7.640	113	105573	50.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.800%	
50) Toluene-d8	10.109	98	402179	50.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.408	95	131648	51.031	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	390	3.416	ug/l #	75
16) Acetone	3.879	43	19696	74.970	ug/l	94
20) Methylene Chloride	4.622	84	2000	1.225	ug/l	92
31) Cyclohexane	7.719	56	4309	1.500	ug/l #	53
36) 1,1-Dichloropropene	7.713	75	13634	4.438	ug/l #	50
38) Carbon Tetrachloride	7.713	117	17282	4.814	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	1947	1.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	74715	64.129	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	74715	130.853	ug/l #	12

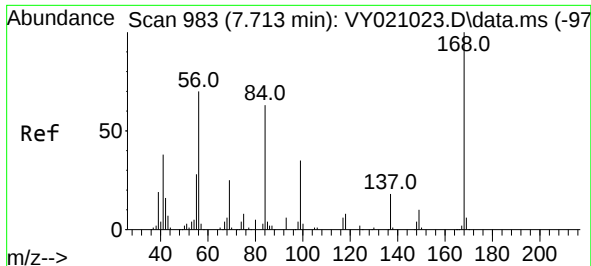
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-TC-07-021725

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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

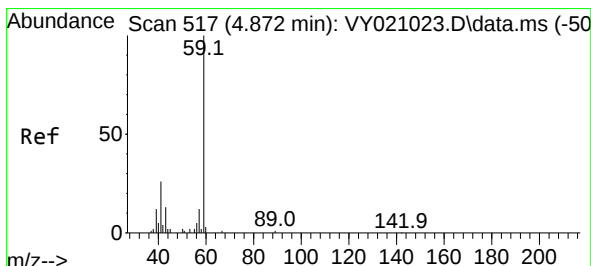
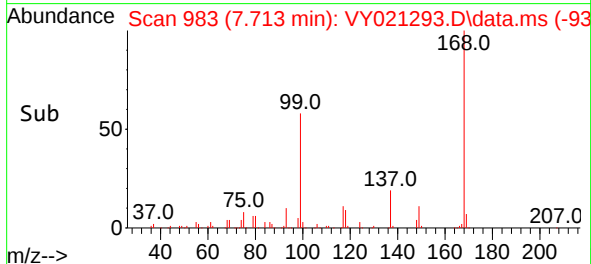
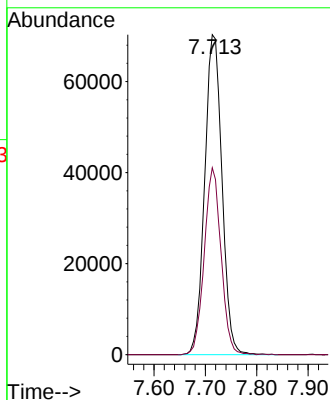
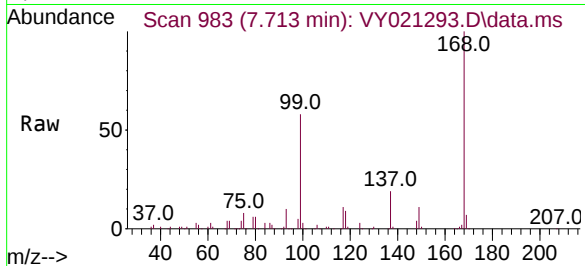




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

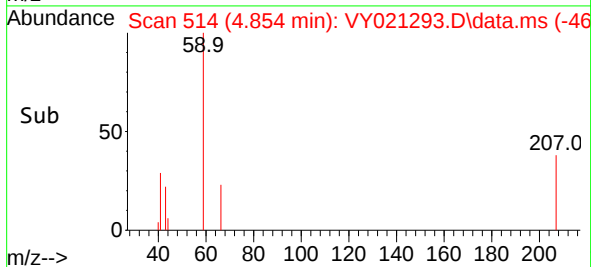
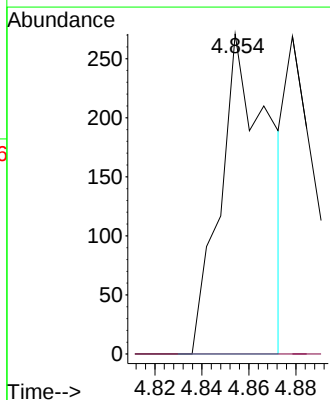
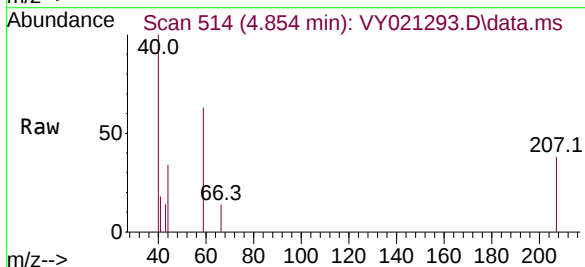
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

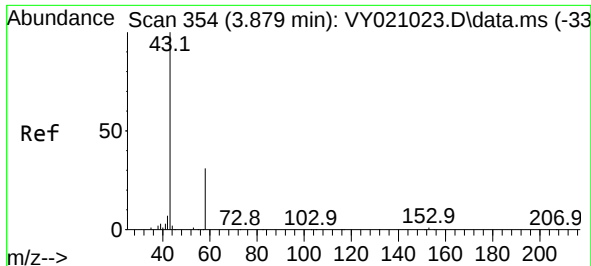
Tgt Ion:168 Resp: 164423
Ion Ratio Lower Upper
168 100
99 58.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.416 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

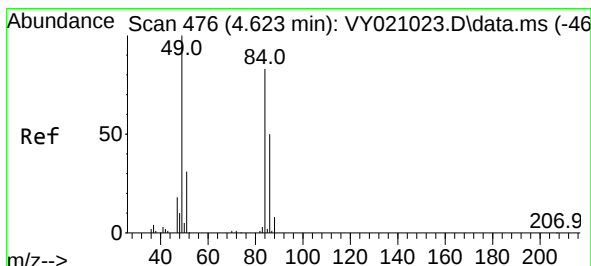
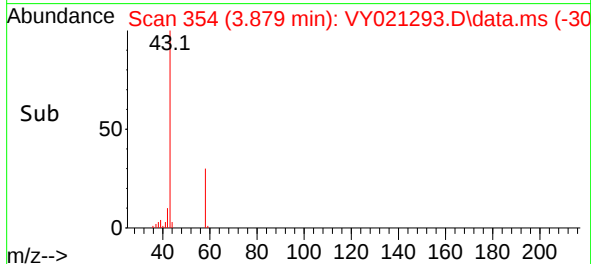
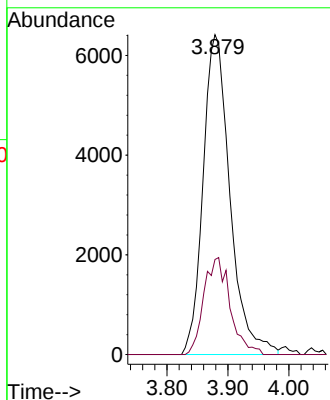
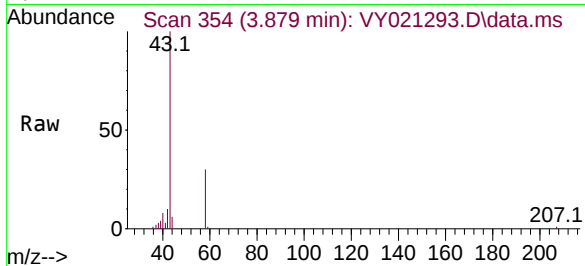




#16
Acetone
Concen: 74.970 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

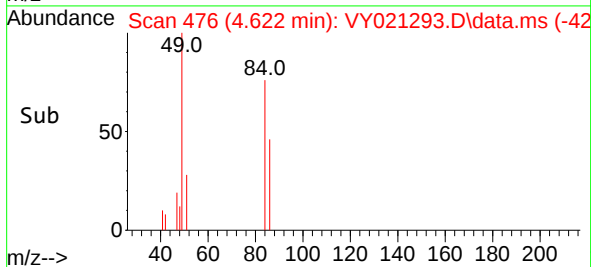
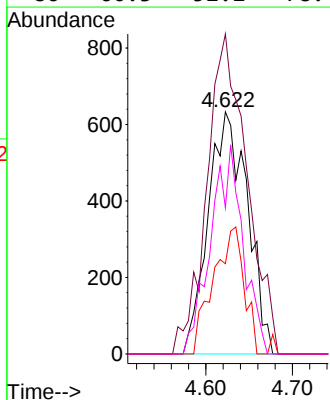
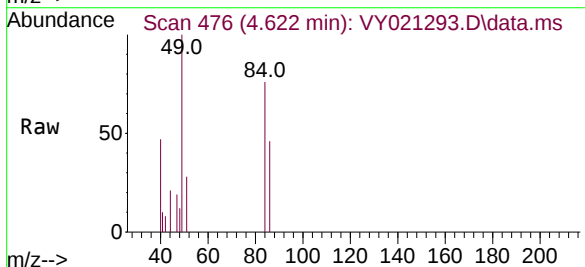
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

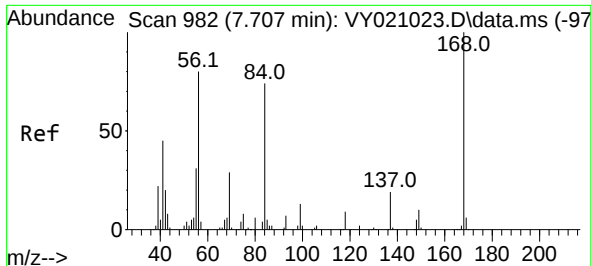
Tgt Ion: 43 Resp: 19696
Ion Ratio Lower Upper
43 100
58 29.7 26.6 39.8



#20
Methylene Chloride
Concen: 1.225 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 84 Resp: 2000
Ion Ratio Lower Upper
84 100
49 132.2 95.2 142.8
51 37.3 29.9 44.9
86 60.3 52.2 78.4

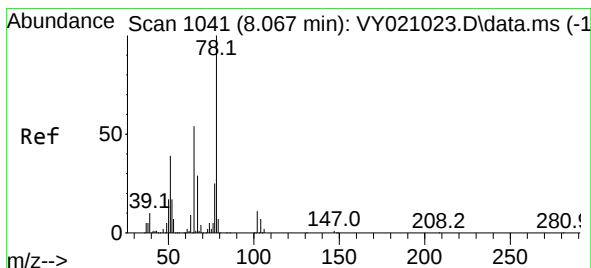
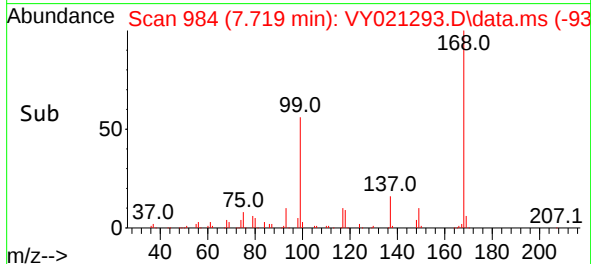
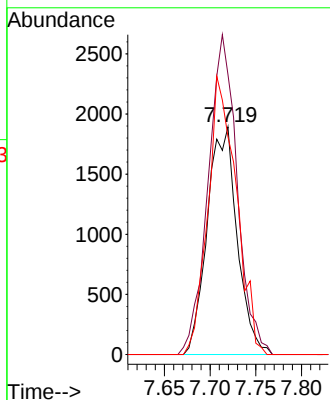
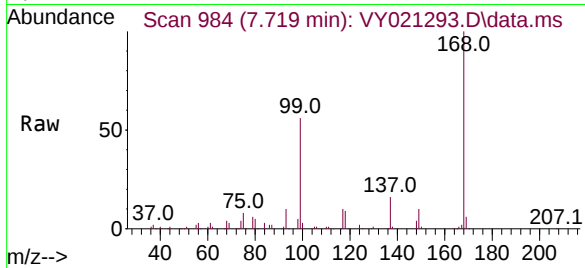




#31
Cyclohexane
Concen: 1.500 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

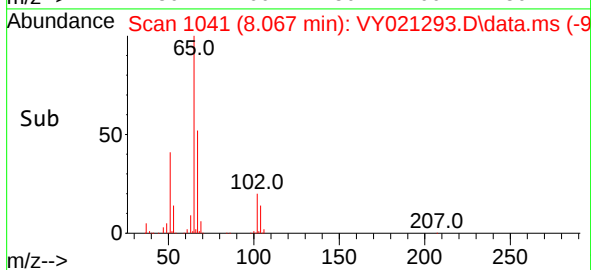
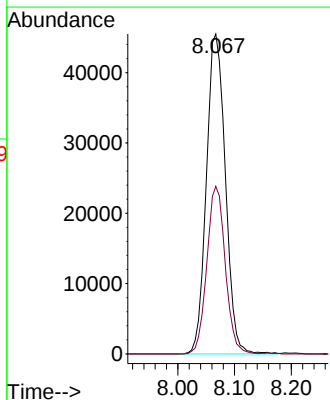
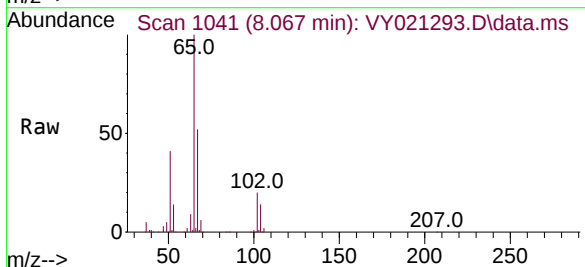
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

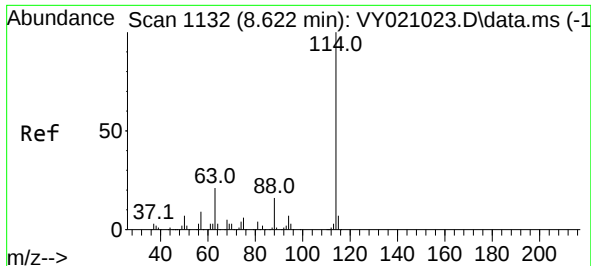
Tgt Ion: 56 Resp: 4309
Ion Ratio Lower Upper
56 100
69 123.0 27.0 40.6#
84 95.7 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 62.839 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 65 Resp: 105861
Ion Ratio Lower Upper
65 100
67 50.7 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: VY021293.D

Acq: 21 Feb 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-07-021725

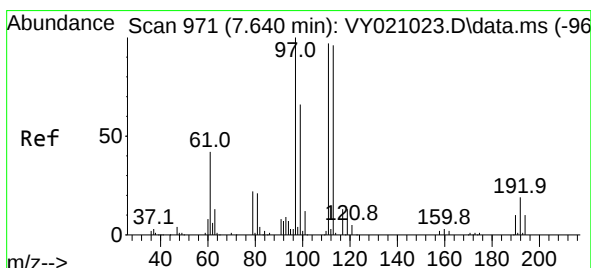
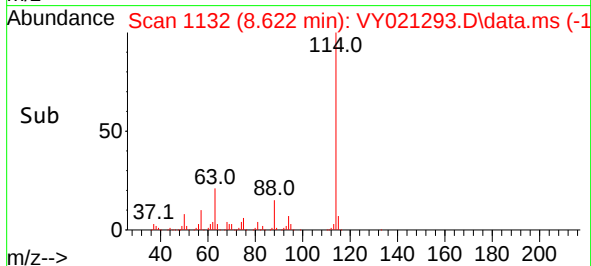
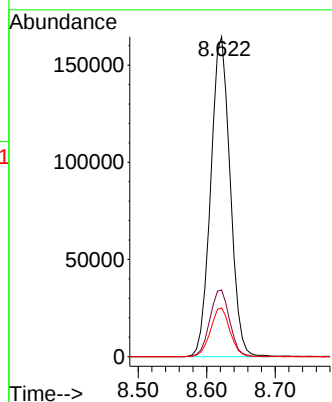
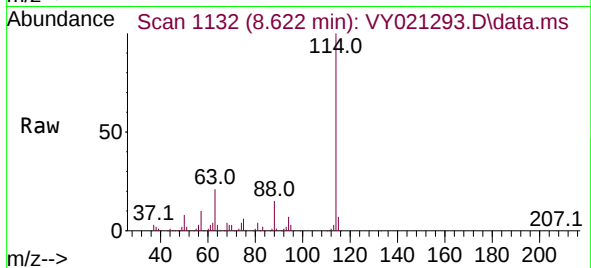
Tgt Ion:114 Resp: 323654

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.898 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021293.D

Acq: 21 Feb 2025 18:08

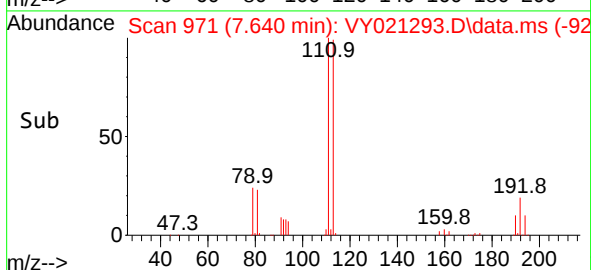
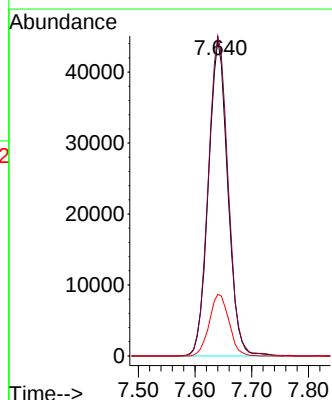
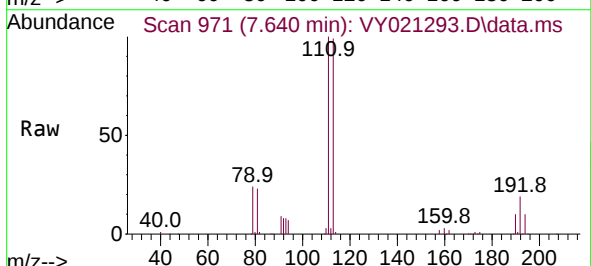
Tgt Ion:113 Resp: 105573

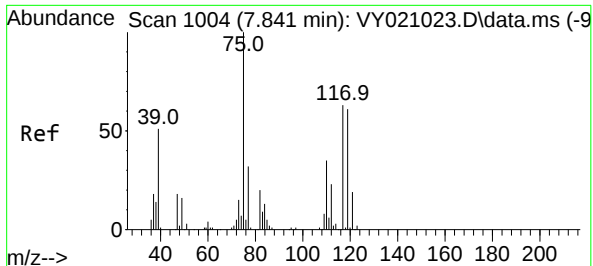
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021293.D

Acq: 21 Feb 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-07-021725

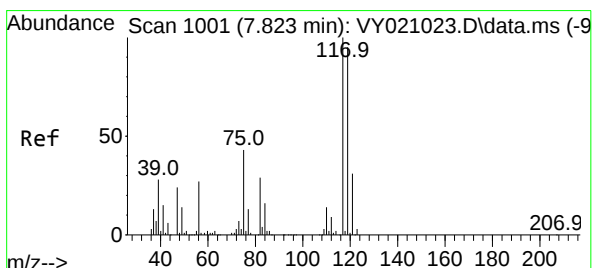
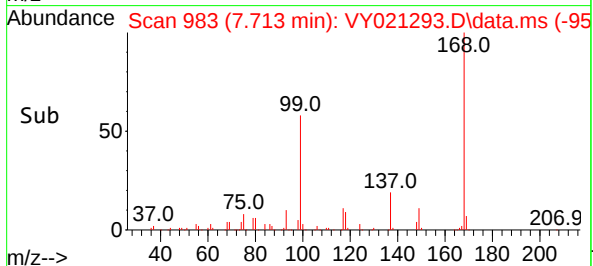
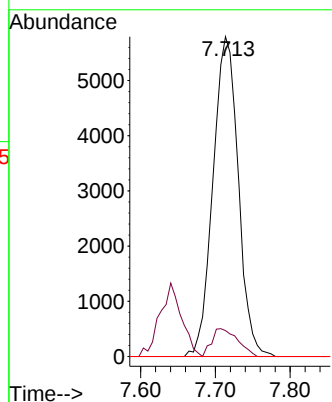
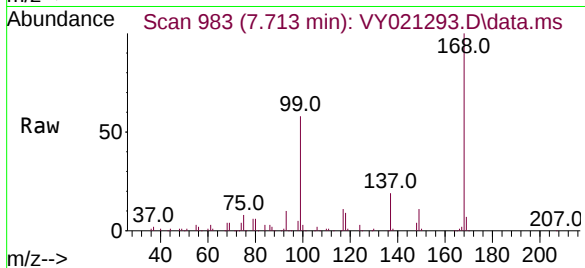
Tgt Ion: 75 Resp: 13634

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.814 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021293.D

Acq: 21 Feb 2025 18:08

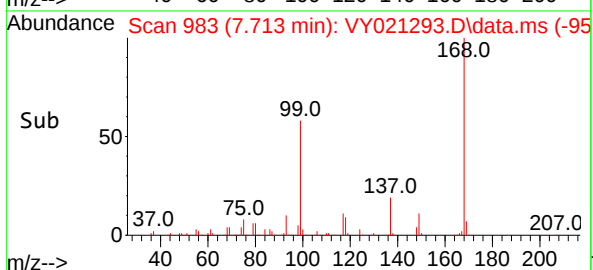
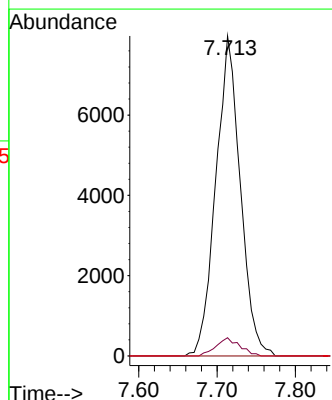
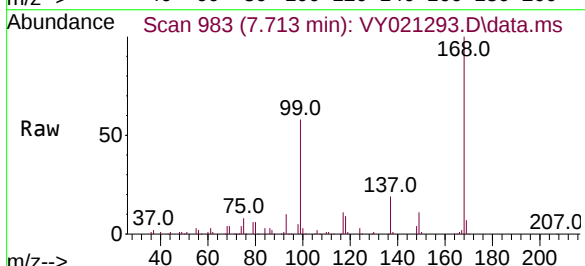
Tgt Ion: 117 Resp: 17282

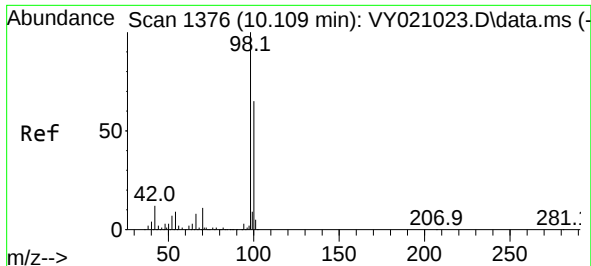
Ion Ratio Lower Upper

117 100

119 5.7 76.0 114.0#

121 0.0 24.2 36.2#

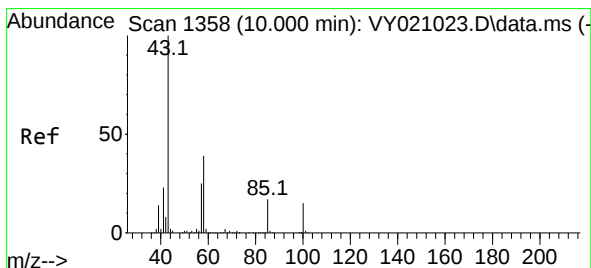
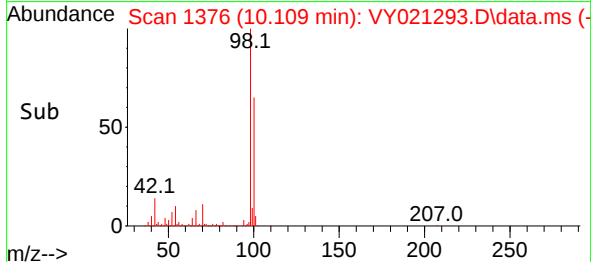
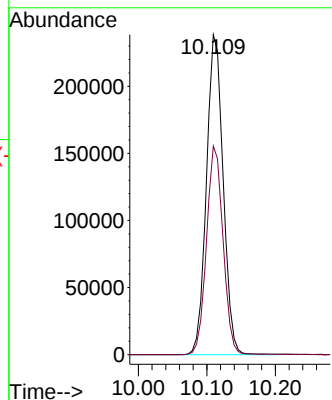
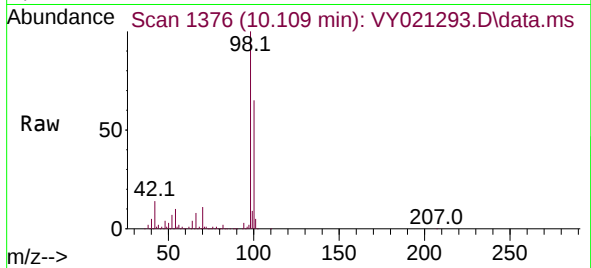




#50
Toluene-d8
Concen: 50.931 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

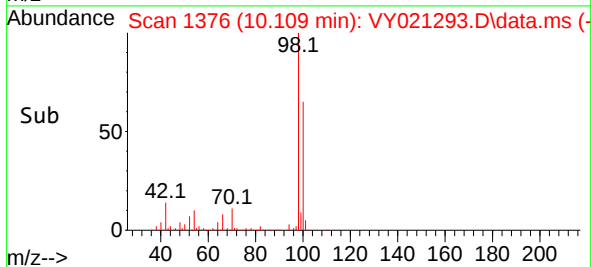
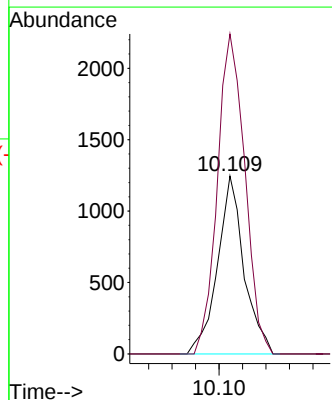
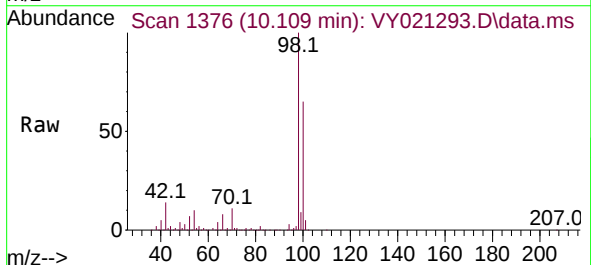
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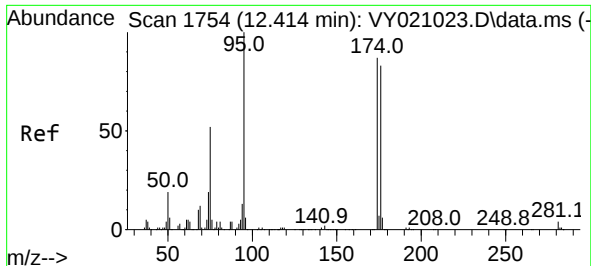
Tgt Ion: 98 Resp: 402179
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.446 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 186.9 32.2 48.2#

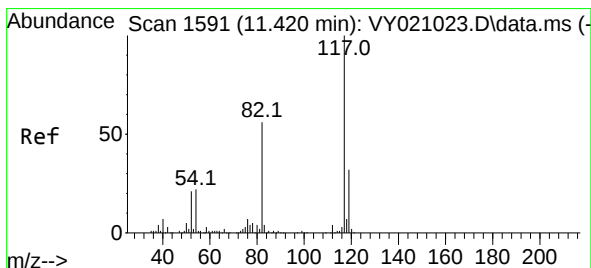
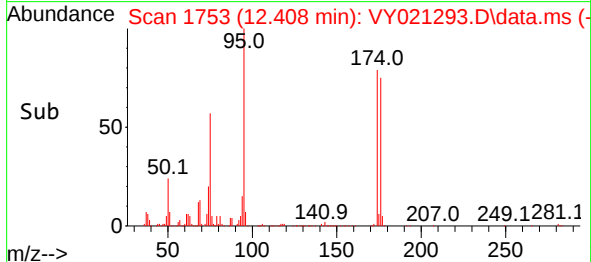
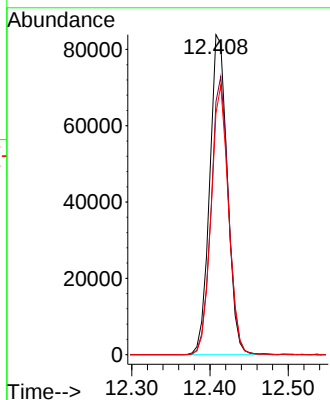
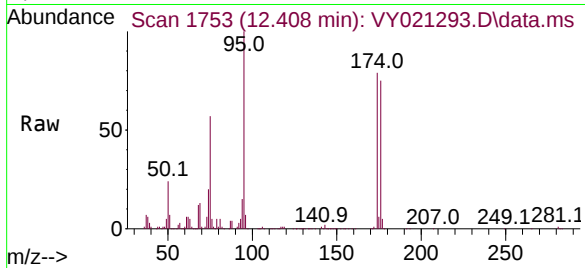




#62
4-Bromofluorobenzene
Concen: 51.031 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

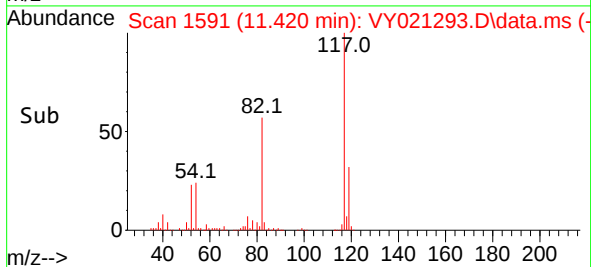
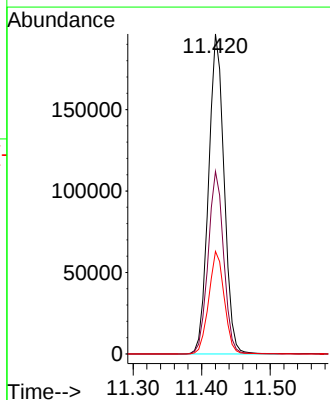
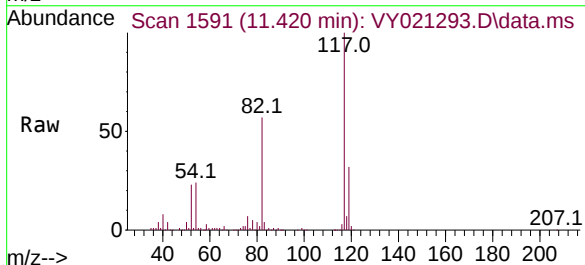
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-07-021725

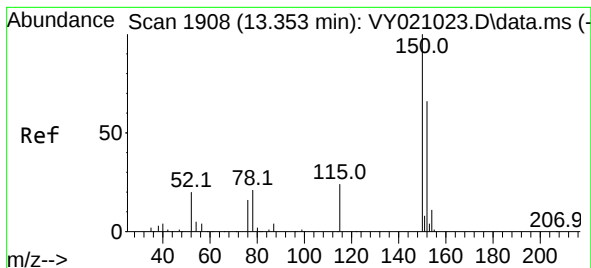
Tgt Ion: 95 Resp: 131648
Ion Ratio Lower Upper
95 100
174 85.3 0.0 160.0
176 82.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021293.D
Acq: 21 Feb 2025 18:08

Tgt Ion: 117 Resp: 310093
Ion Ratio Lower Upper
117 100
82 57.0 43.8 65.8
119 32.0 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: VY021293.D

Acq: 21 Feb 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-07-021725

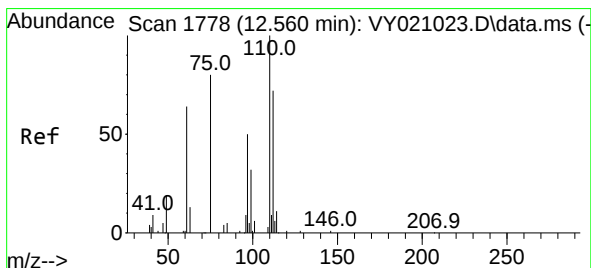
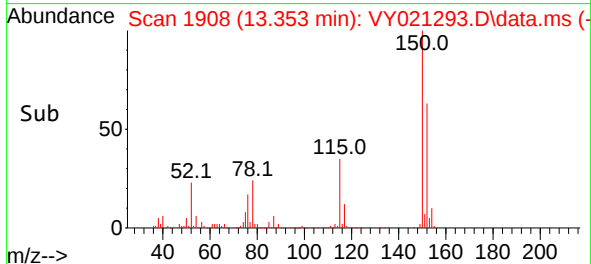
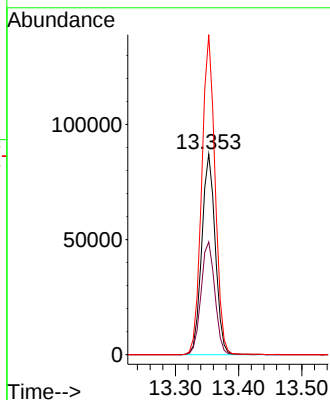
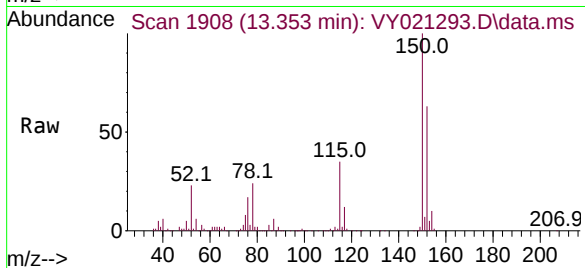
Tgt Ion:152 Resp: 128437

Ion Ratio Lower Upper

152 100

115 57.6 30.0 90.0

150 158.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 64.129 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021293.D

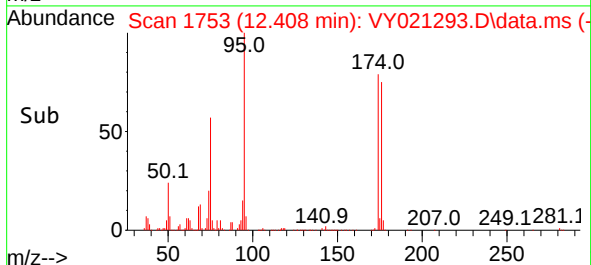
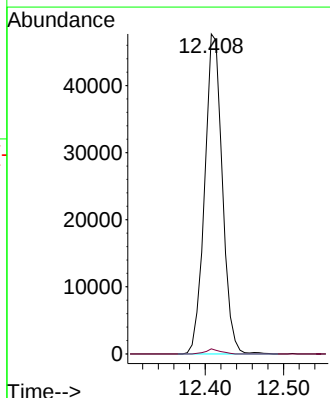
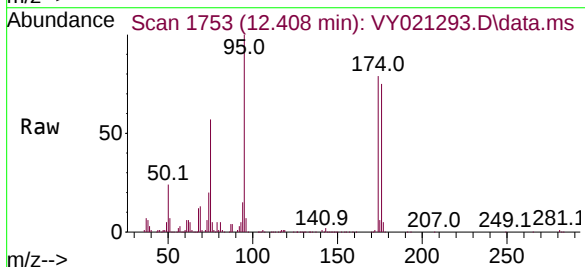
Acq: 21 Feb 2025 18:08

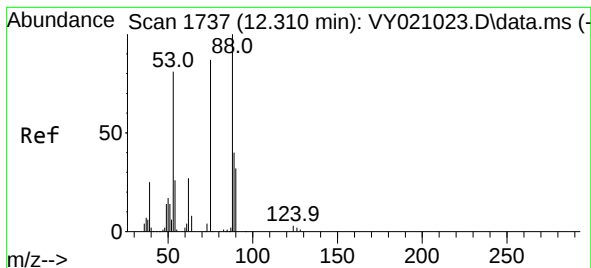
Tgt Ion: 75 Resp: 74715

Ion Ratio Lower Upper

75 100

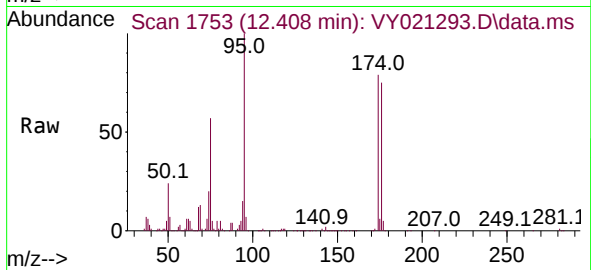
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.853 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY021293.D
 Acq: 21 Feb 2025 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-07-021725



Tgt Ion: 75 Resp: 74715
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.0 111.0#
 89 0.0 36.5 54.7#

