

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021287.D
 Acq On : 21 Feb 2025 15:47
 Operator : SY/MD
 Sample : Q1383-17
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-19-021725

Quant Time: Feb 21 23:08:57 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)

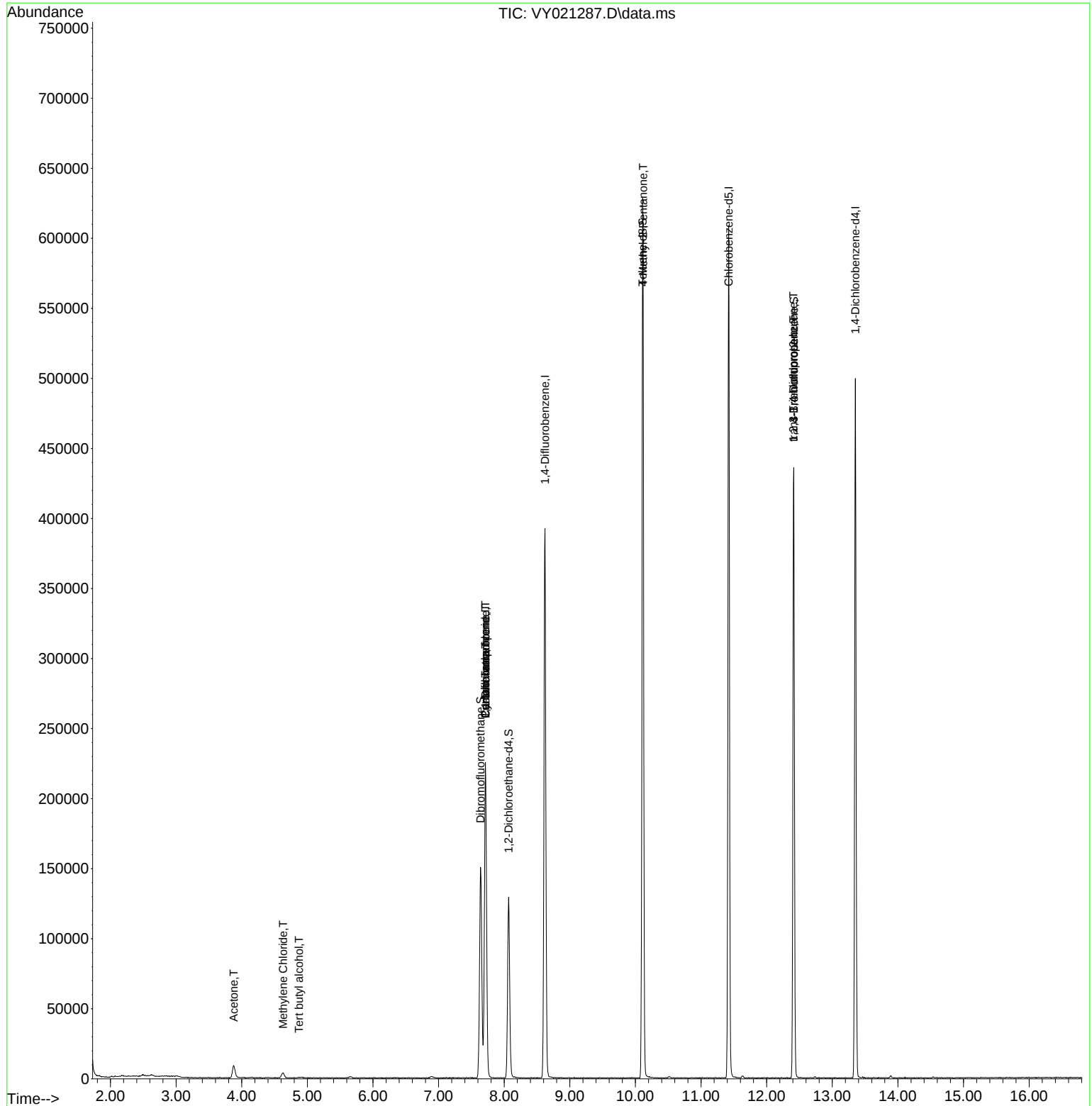
Internal Standards						
1) Pentafluorobenzene	7.713	168	164839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	321028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	299636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	120303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103167	61.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.180%			
35) Dibromofluoromethane	7.640	113	105416	51.238	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.480%			
50) Toluene-d8	10.109	98	398060	50.821	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.414	95	124605	48.696	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.400%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.872	59	646	5.644	ug/l #	75
16) Acetone	3.879	43	16130	61.242	ug/l #	88
20) Methylene Chloride	4.629	84	2394	1.462	ug/l #	81
31) Cyclohexane	7.713	56	3936	1.366	ug/l #	21
36) 1,1-Dichloropropene	7.713	75	13767	4.518	ug/l #	50
38) Carbon Tetrachloride	7.713	117	16952	4.761	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	2090	1.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	70853	64.926	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70853	132.479	ug/l #	12

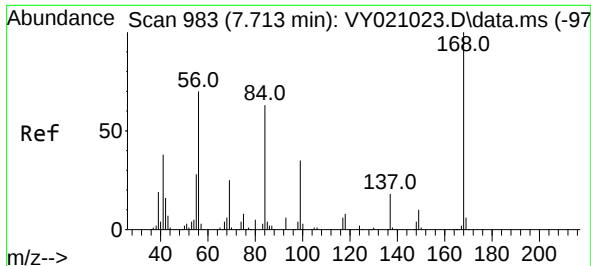
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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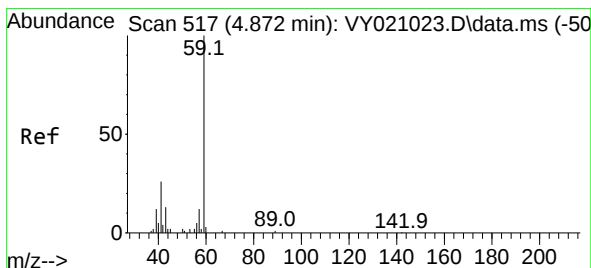
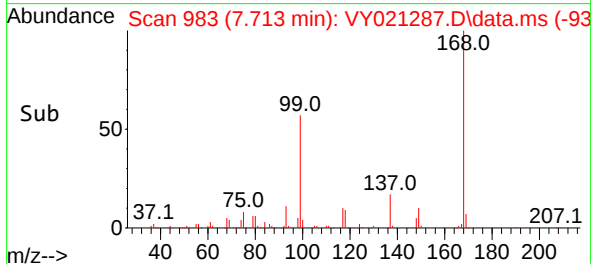
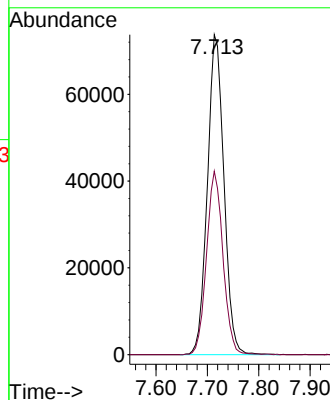
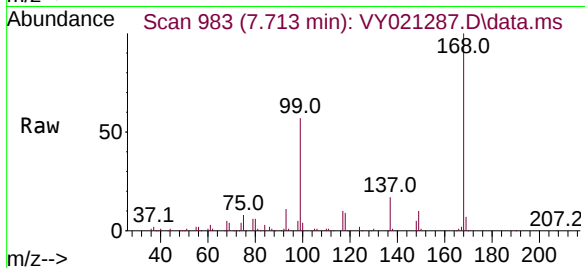




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

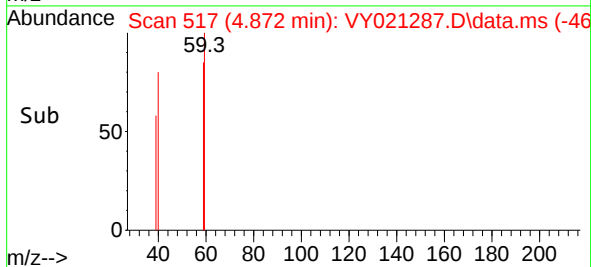
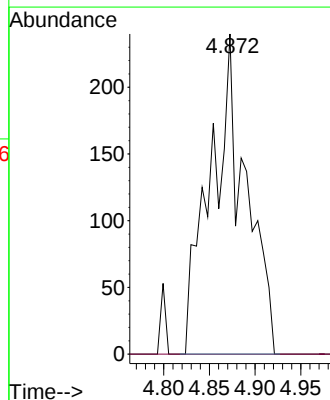
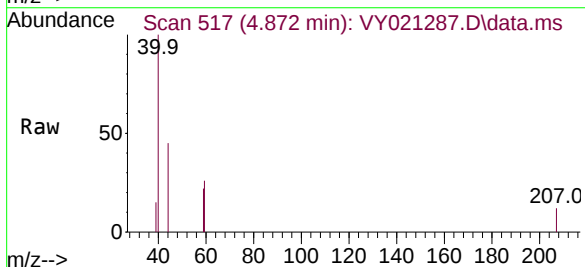
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-19-021725

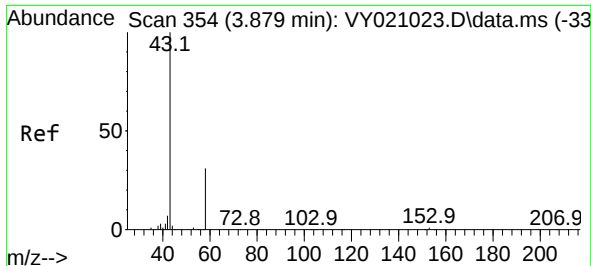
Tgt Ion:168 Resp: 164839
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.644 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

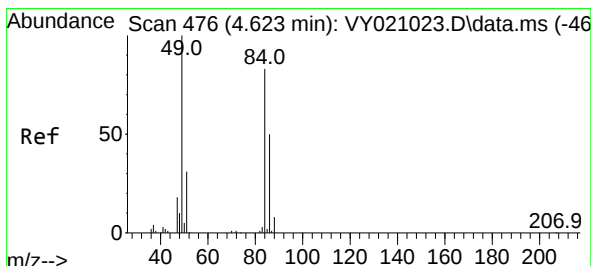
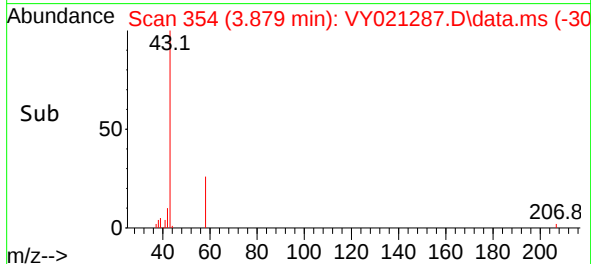
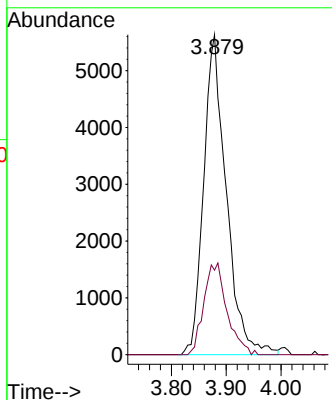
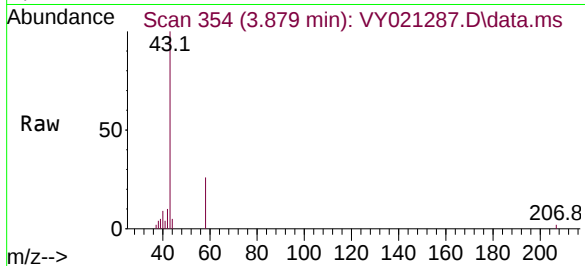




#16
Acetone
Concen: 61.242 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

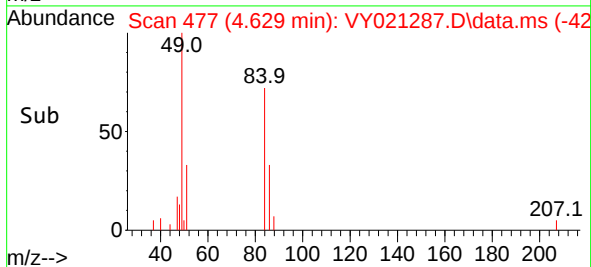
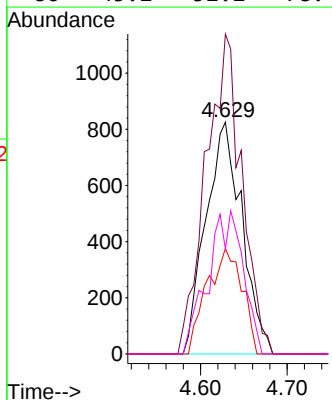
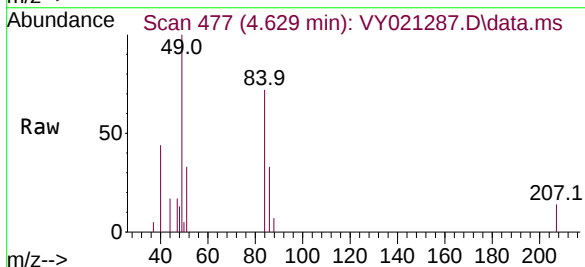
Instrument :
MSVOA_Y
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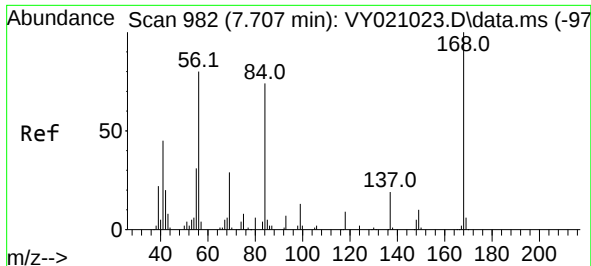
Tgt Ion: 43 Resp: 16130
Ion Ratio Lower Upper
43 100
58 26.4 26.6 39.8#



#20
Methylene Chloride
Concen: 1.462 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 84 Resp: 2394
Ion Ratio Lower Upper
84 100
49 138.0 95.2 142.8
51 45.5 29.9 44.9#
86 45.2 52.2 78.4#

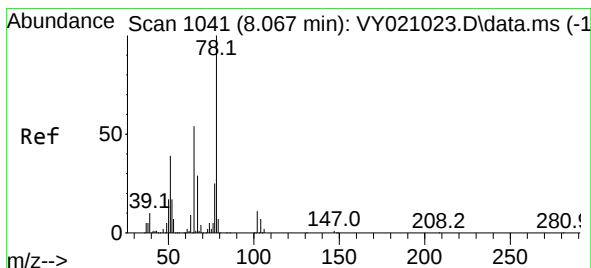
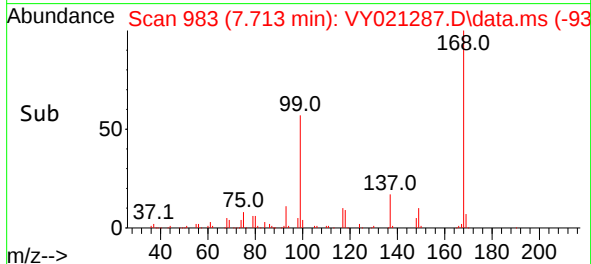
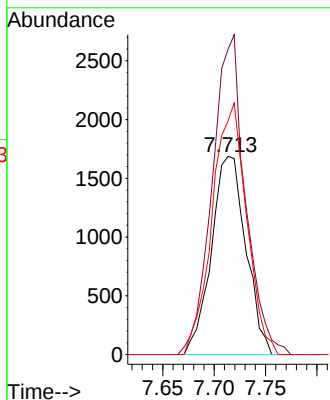
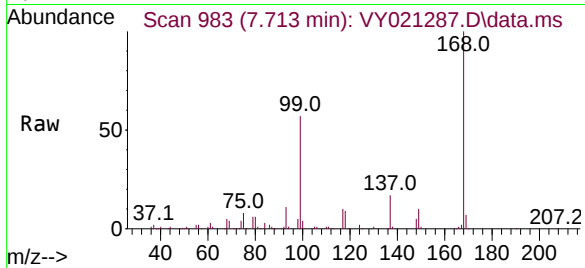




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

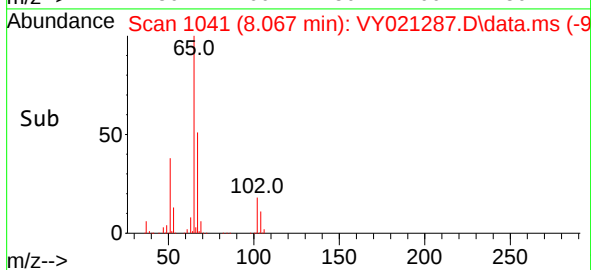
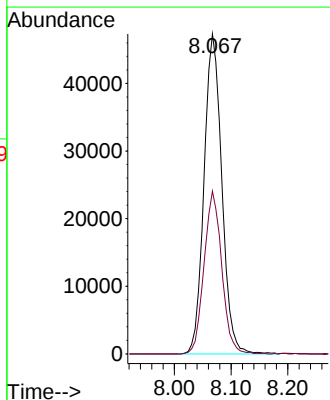
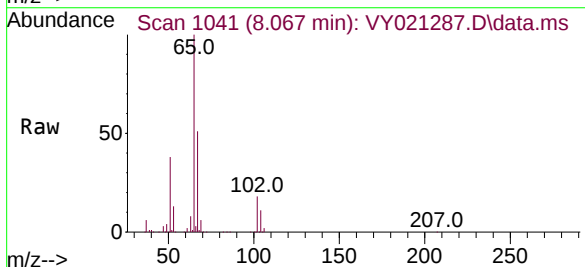
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-19-021725

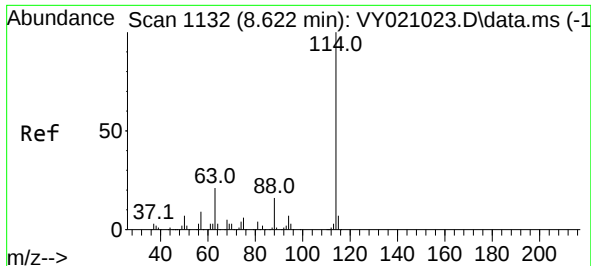
Tgt Ion: 56 Resp: 3936
Ion Ratio Lower Upper
56 100
69 154.0 27.0 40.6#
84 117.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 61.085 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 65 Resp: 103167
Ion Ratio Lower Upper
65 100
67 50.5 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: VY021287.D

Acq: 21 Feb 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-19-021725

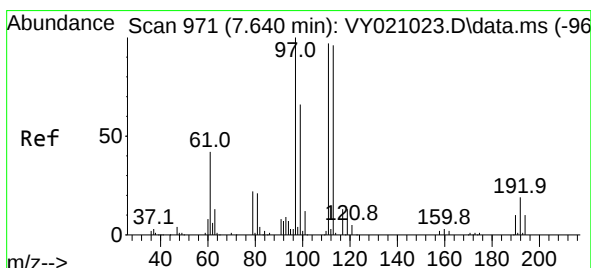
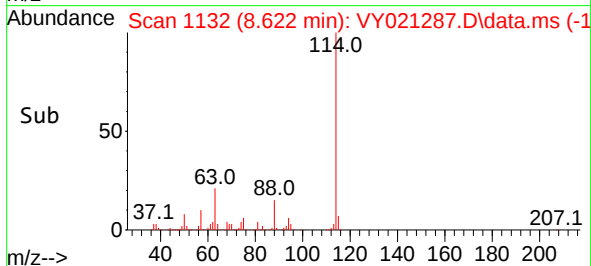
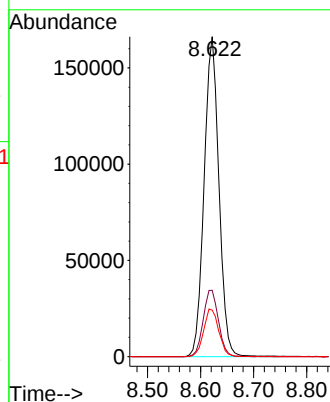
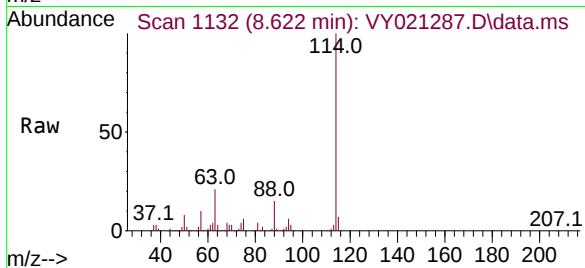
Tgt Ion:114 Resp: 321028

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.238 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021287.D

Acq: 21 Feb 2025 15:47

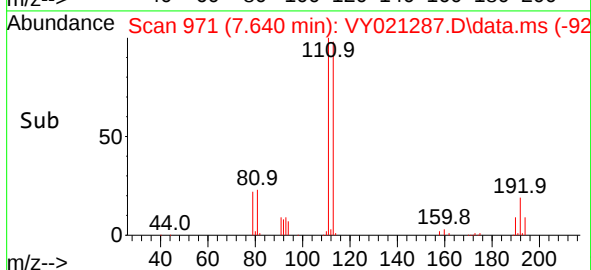
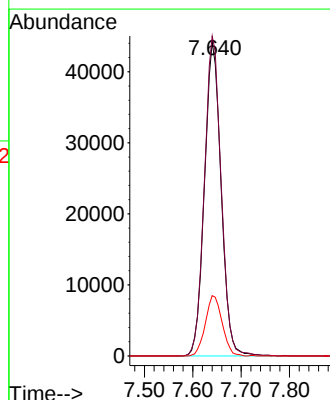
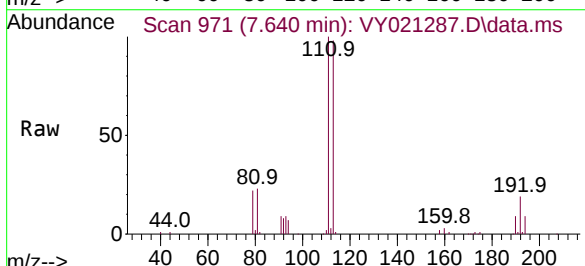
Tgt Ion:113 Resp: 105416

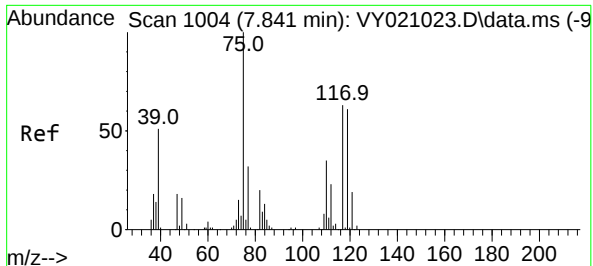
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 19.4 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.518 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021287.D

Acq: 21 Feb 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

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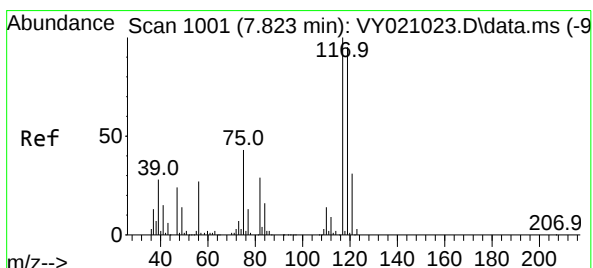
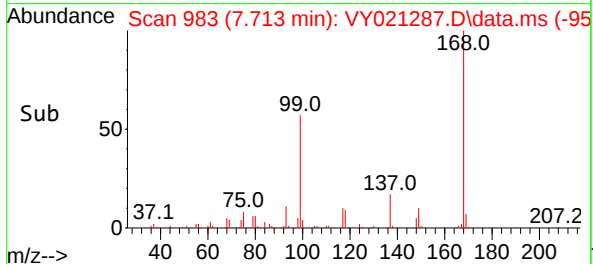
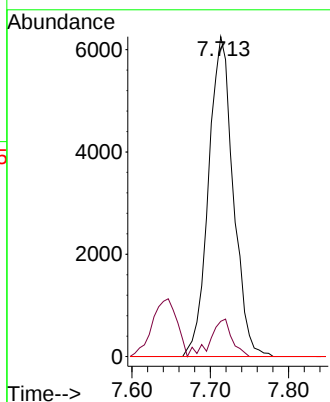
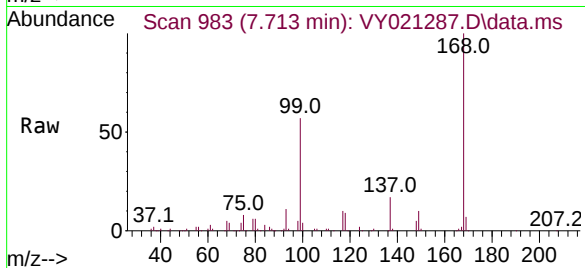
Tgt Ion: 75 Resp: 13767

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.761 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021287.D

Acq: 21 Feb 2025 15:47

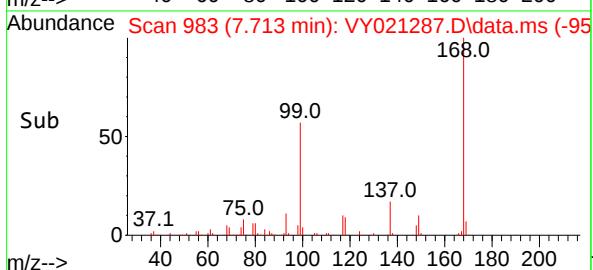
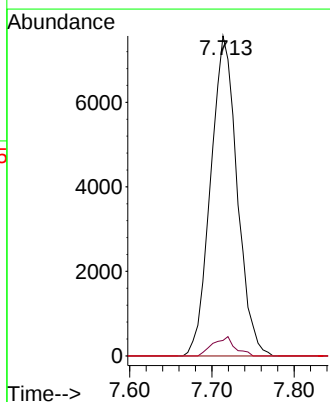
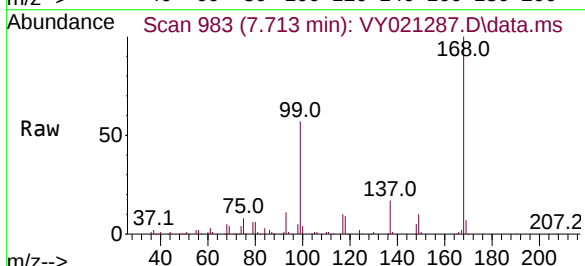
Tgt Ion: 117 Resp: 16952

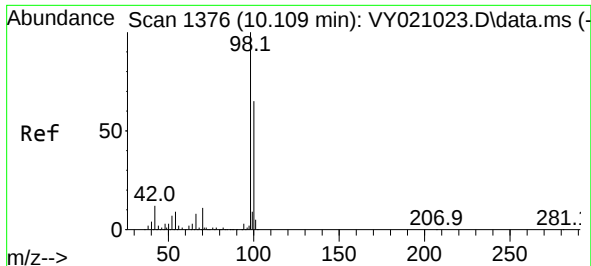
Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

121 0.0 24.2 36.2#

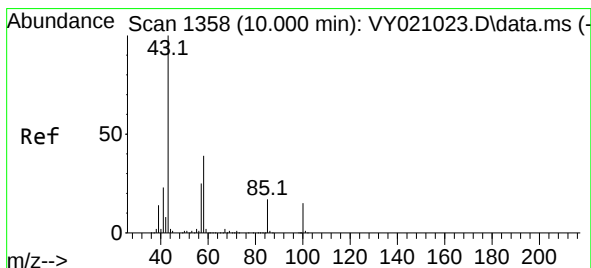
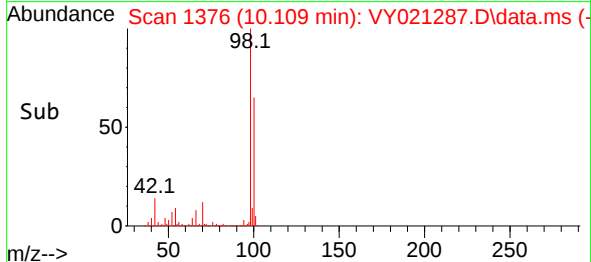
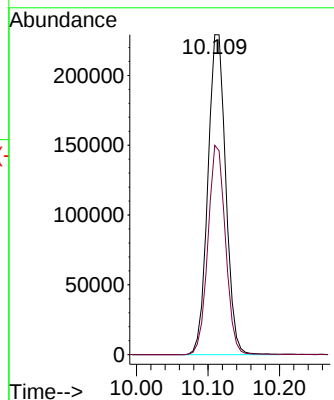
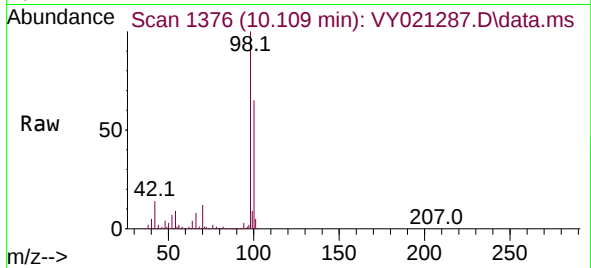




#50
Toluene-d8
Concen: 50.821 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

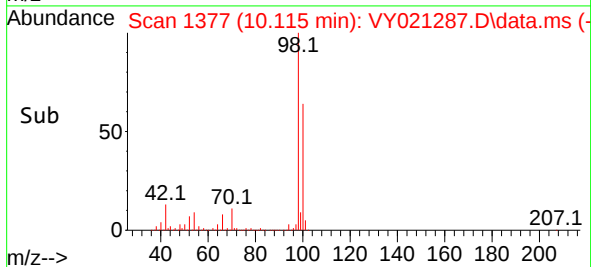
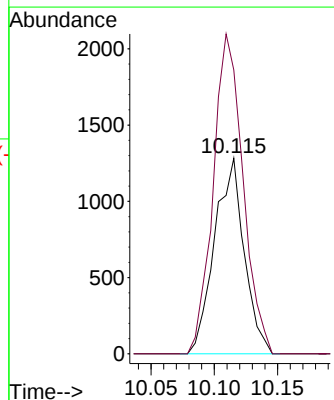
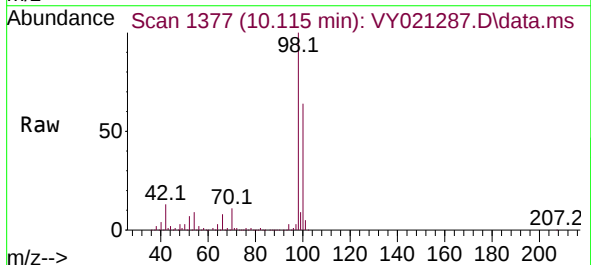
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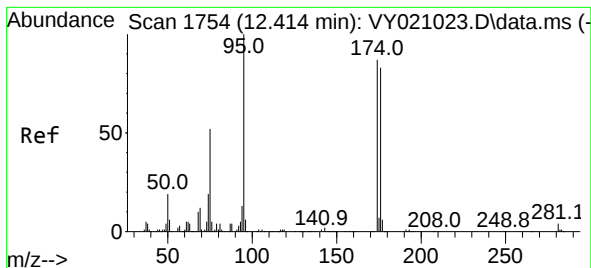
Tgt Ion: 98 Resp: 398060
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
58 164.8 32.2 48.2#

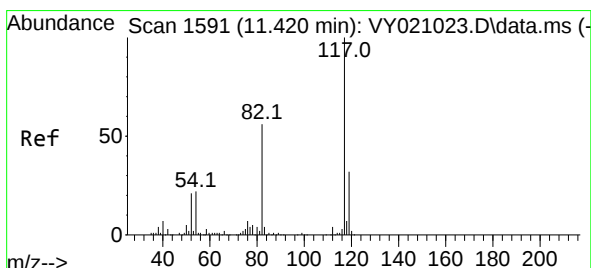
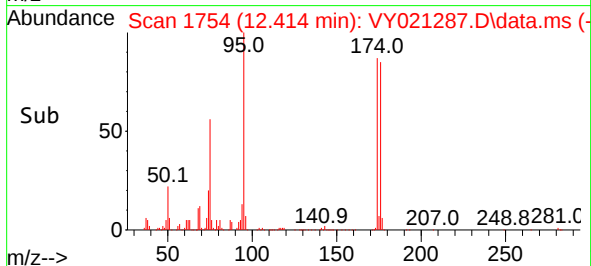
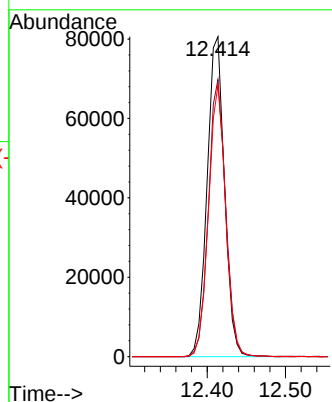
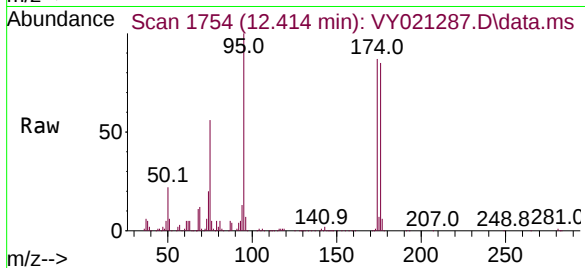




#62
4-Bromofluorobenzene
Concen: 48.696 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

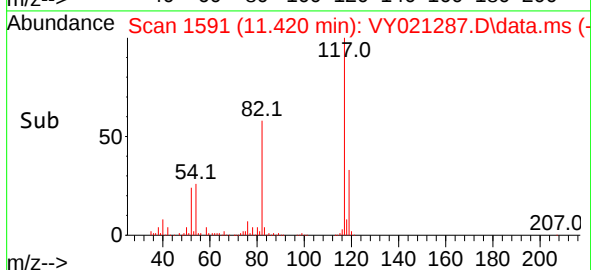
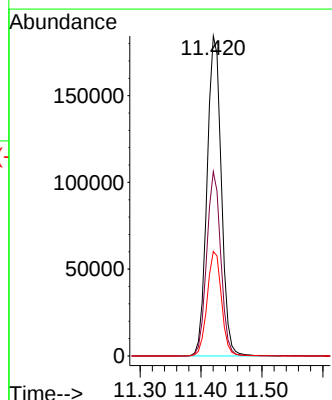
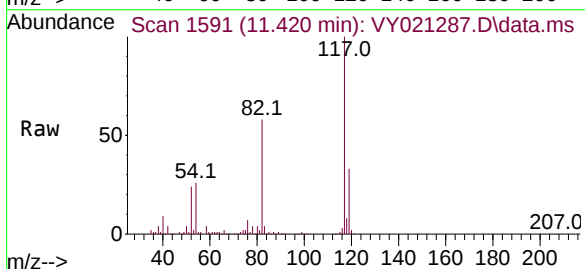
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-19-021725

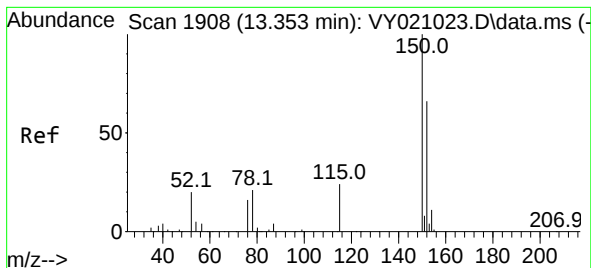
Tgt Ion:	95	Resp:	124605
Ion Ratio	Lower	Upper	
95	100		
174	85.8	0.0	160.0
176	83.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Tgt Ion:	117	Resp:	299636
Ion Ratio	Lower	Upper	
117	100		
82	57.6	43.8	65.8
119	32.6	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: VY021287.D

Acq: 21 Feb 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-19-021725

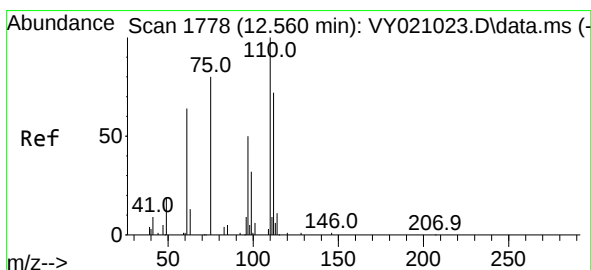
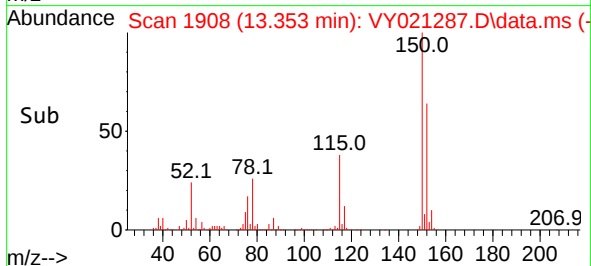
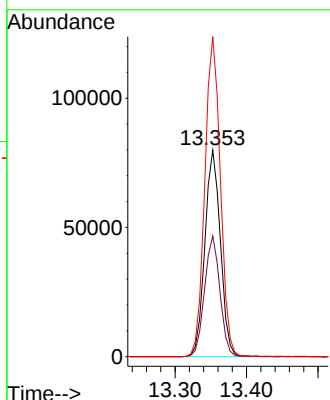
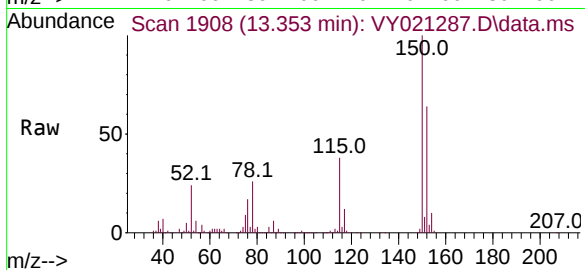
Tgt Ion:152 Resp: 120303

Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.0

150 155.3 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 64.926 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021287.D

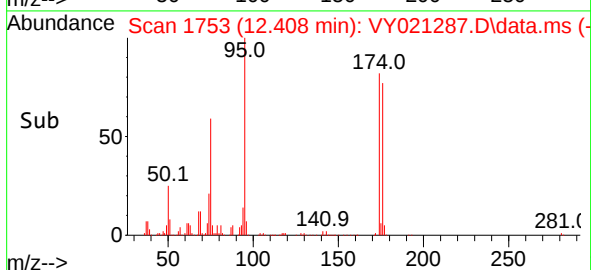
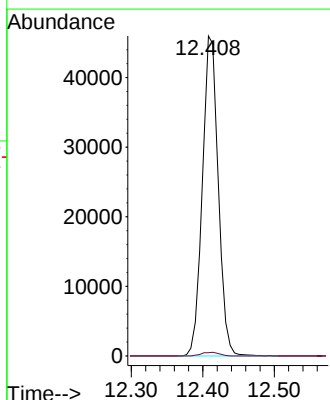
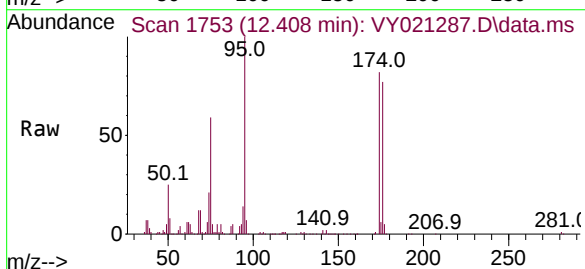
Acq: 21 Feb 2025 15:47

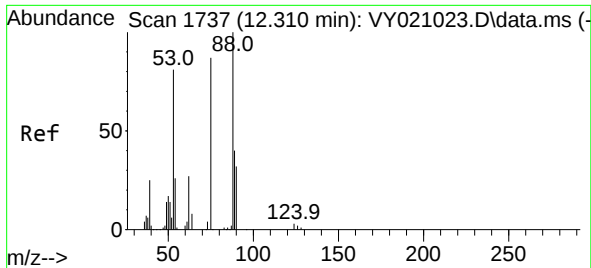
Tgt Ion: 75 Resp: 70853

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.479 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY021287.D
Acq: 21 Feb 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion: 75 Resp: 70853
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

