

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021284.D
 Acq On : 21 Feb 2025 14:37
 Operator : SY/MD
 Sample : Q1383-11
 Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-16-021725

Quant Time: Feb 21 23:08:04 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)

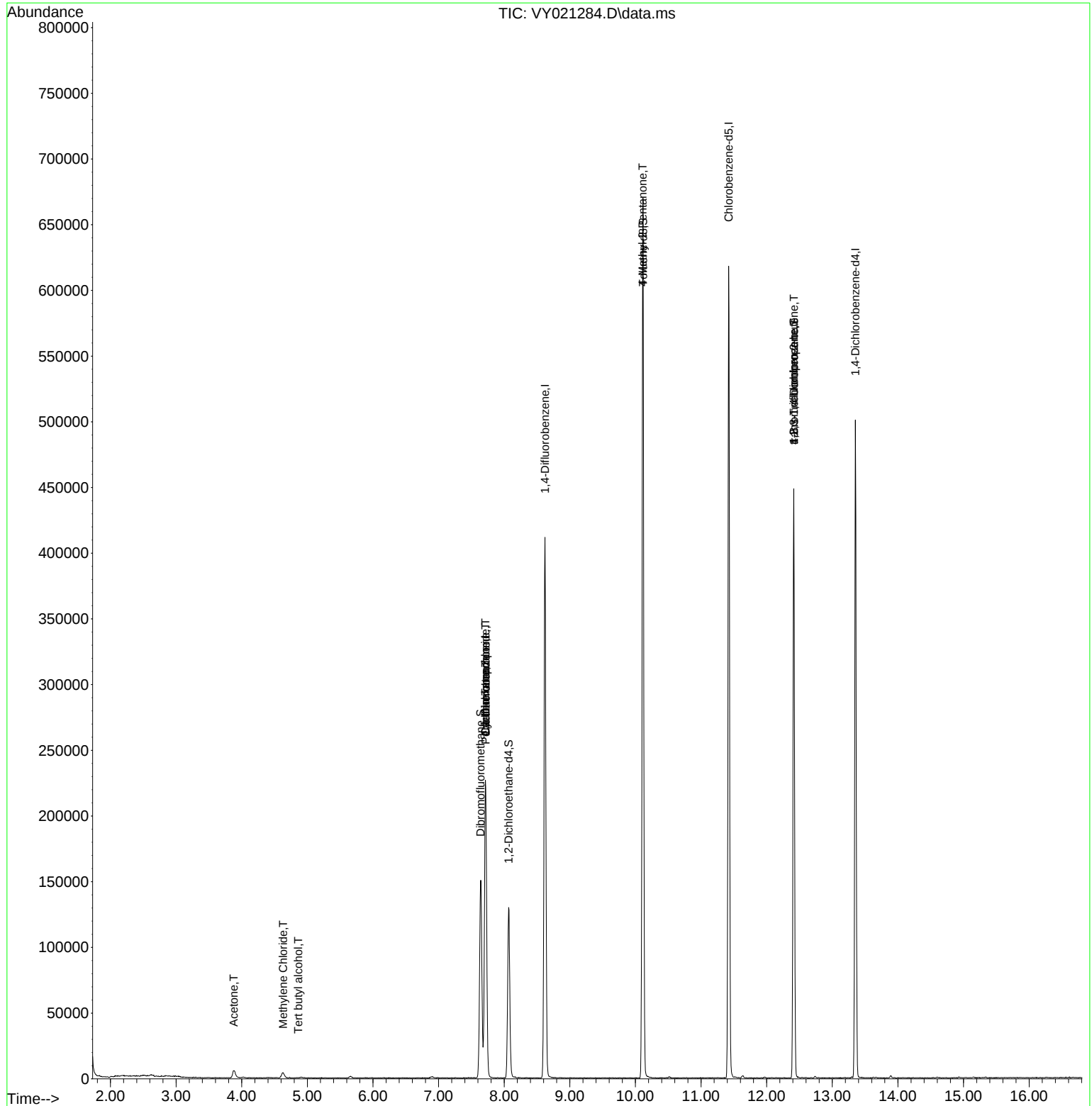
Internal Standards						
1) Pentafluorobenzene	7.719	168	172558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	334339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	118737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105533	59.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.380%	
35) Dibromofluoromethane	7.640	113	108116	50.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.115	98	412662	50.588	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.180%	
62) 4-Bromofluorobenzene	12.414	95	129364	48.543	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	165	1.377	ug/l #	75
16) Acetone	3.879	43	10774	39.077	ug/l #	85
20) Methylene Chloride	4.628	84	2874	1.677	ug/l #	92
31) Cyclohexane	7.713	56	4013	1.331	ug/l #	10
36) 1,1-Dichloropropene	7.713	75	14314	4.510	ug/l #	50
38) Carbon Tetrachloride	7.713	117	17846	4.812	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2100	1.510	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	72189	67.022	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	72189	136.757	ug/l #	12

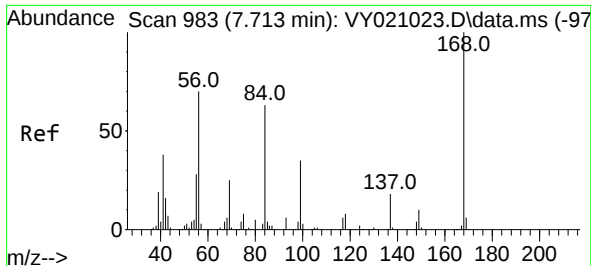
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-TC-16-021725

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

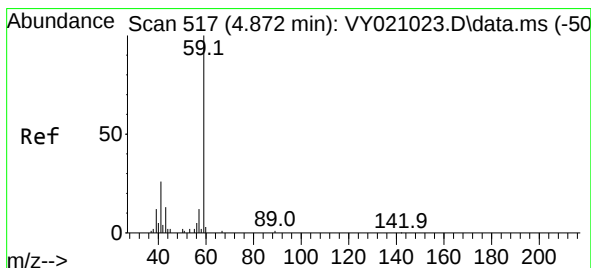
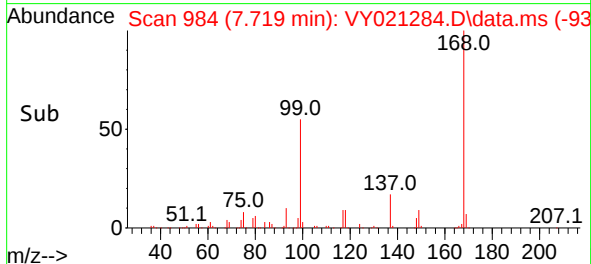
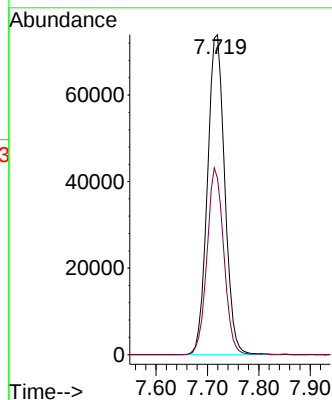
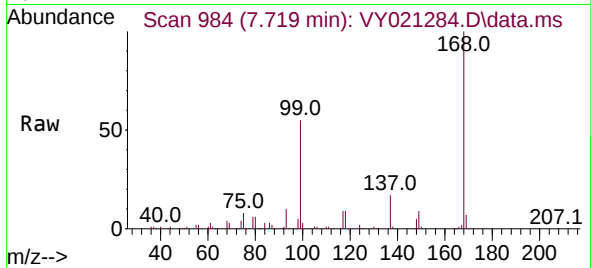




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

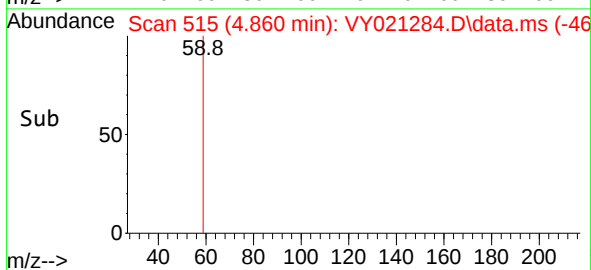
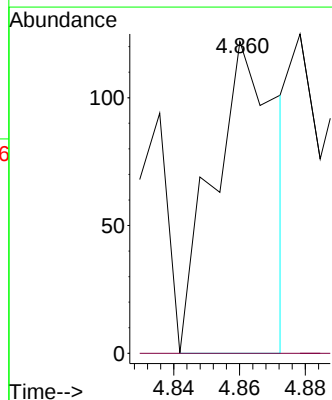
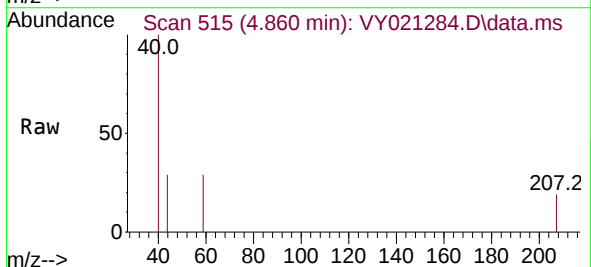
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-16-021725

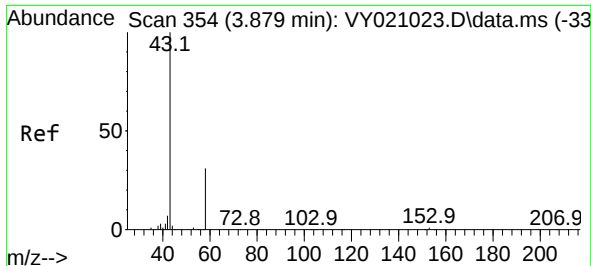
Tgt Ion:168 Resp: 172558
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.377 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

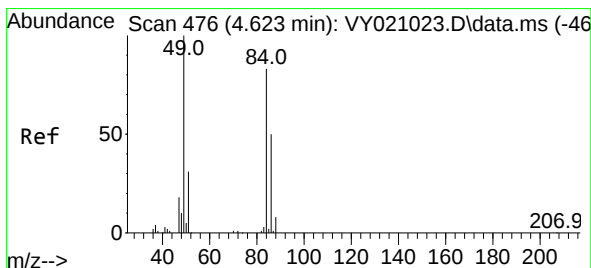
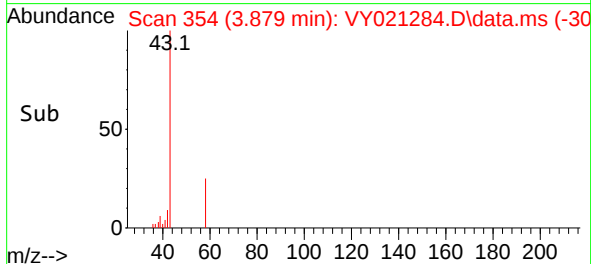
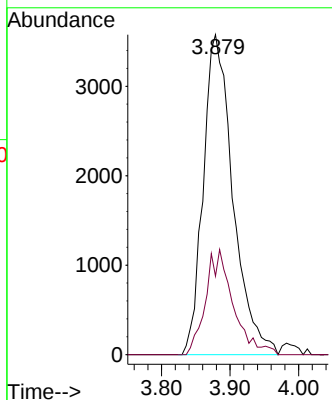
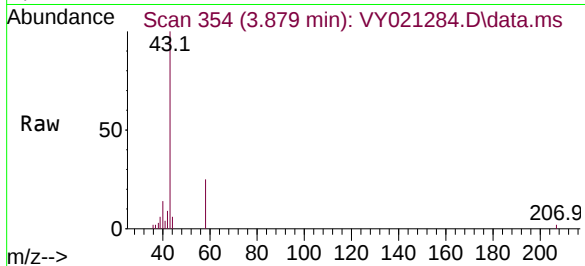




#16
Acetone
Concen: 39.077 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

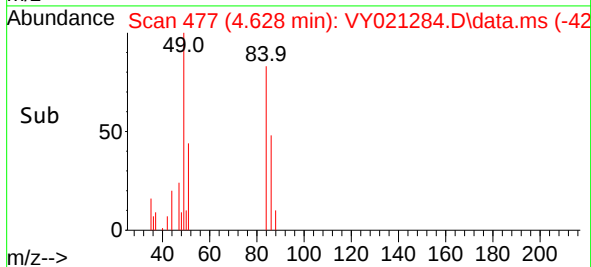
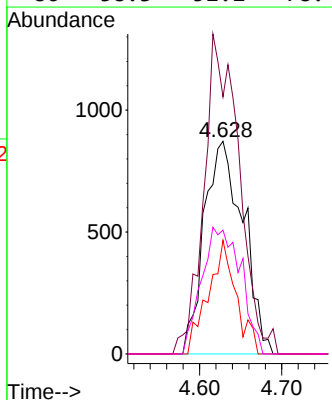
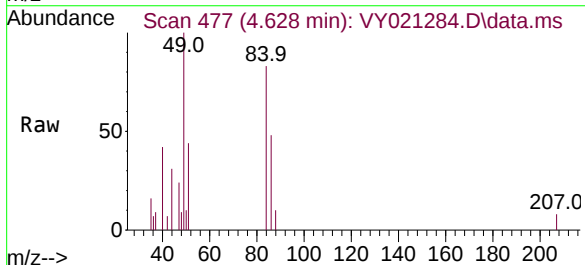
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-16-021725

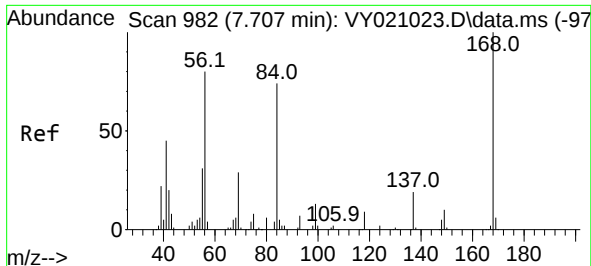
Tgt Ion: 43 Resp: 10774
Ion Ratio Lower Upper
43 100
58 24.5 26.6 39.8#



#20
Methylene Chloride
Concen: 1.677 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion: 84 Resp: 2874
Ion Ratio Lower Upper
84 100
49 121.0 95.2 142.8
51 53.4 29.9 44.9#
86 58.3 52.2 78.4

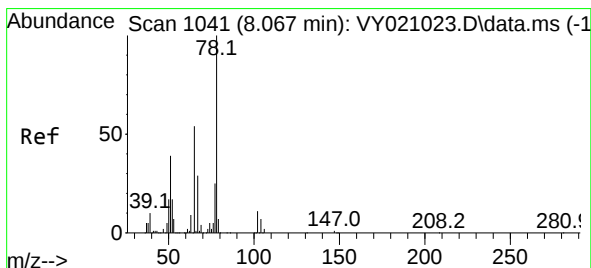
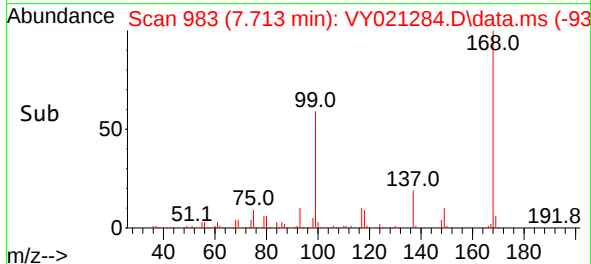
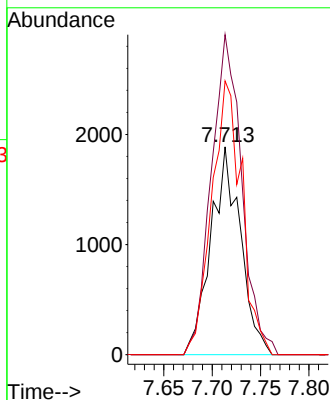
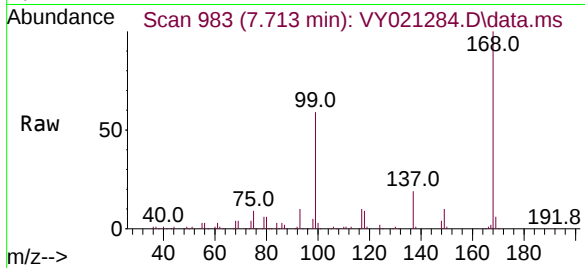




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

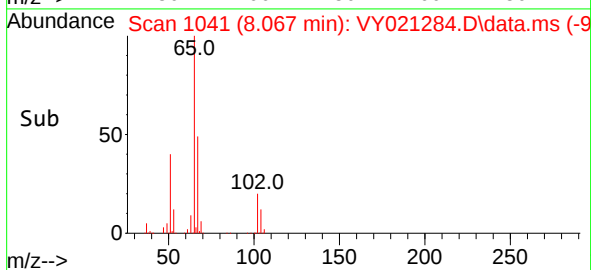
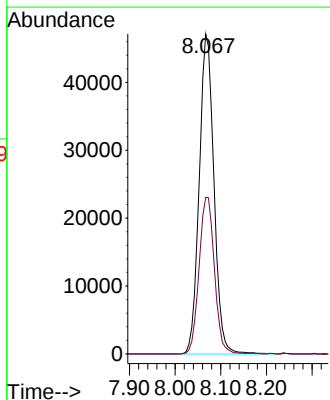
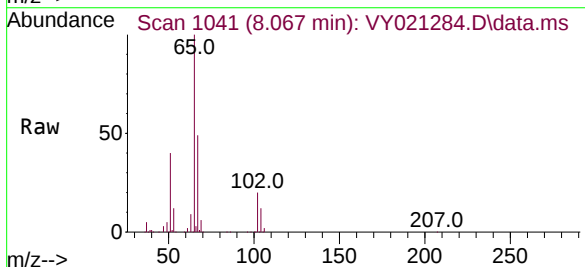
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-16-021725

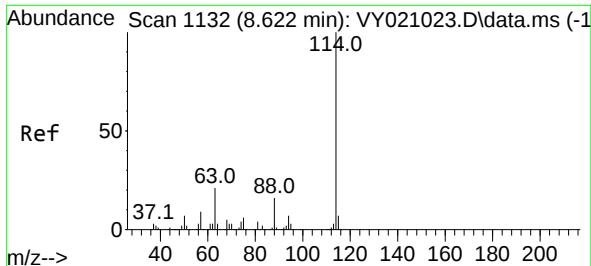
Tgt Ion: 56 Resp: 4013
Ion Ratio Lower Upper
56 100
69 154.1 27.0 40.6#
84 131.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 59.691 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion: 65 Resp: 105533
Ion Ratio Lower Upper
65 100
67 51.0 0.0 109.0

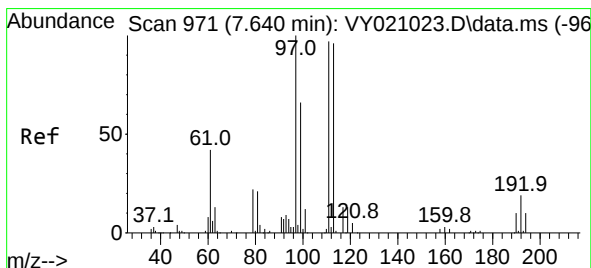
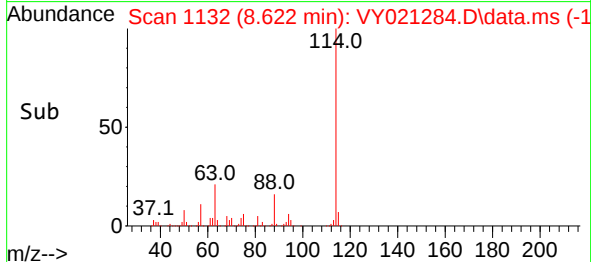
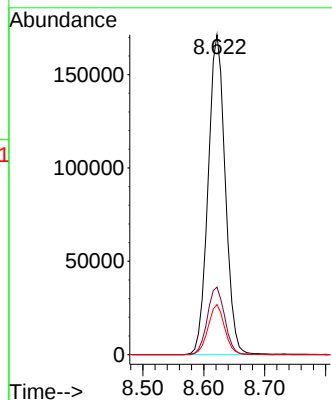
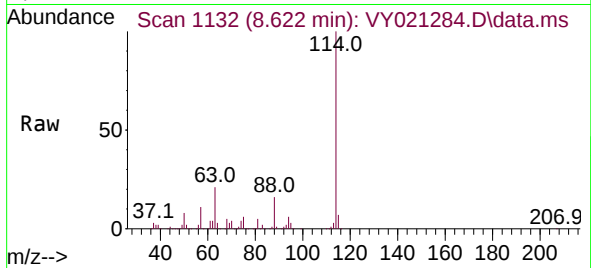




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

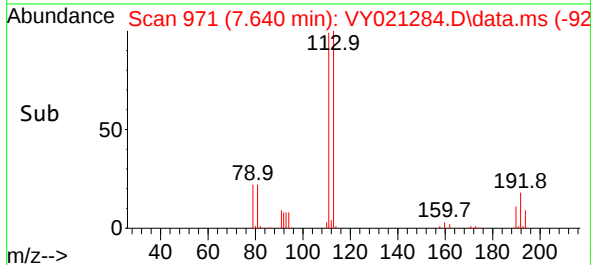
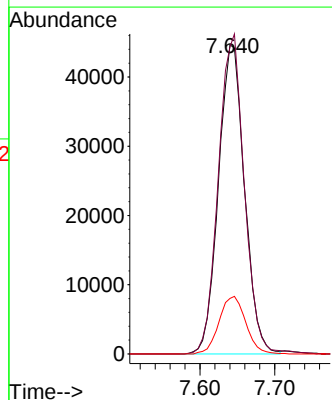
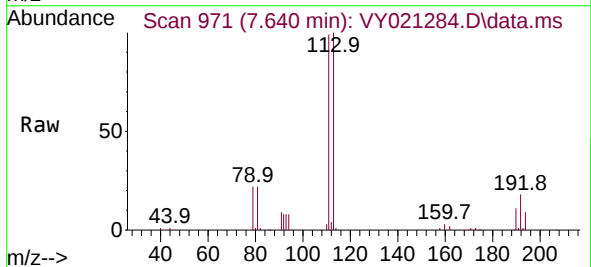
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-16-021725

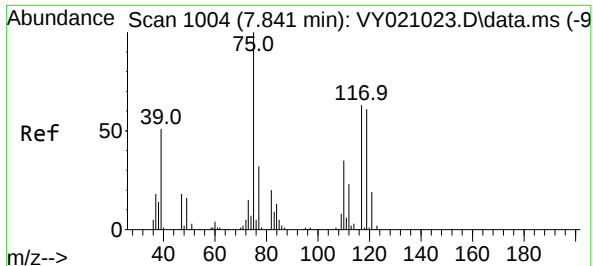
Tgt Ion:114 Resp: 334339
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 15.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.459 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion:113 Resp: 108116
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 19.1 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021284.D

Acq: 21 Feb 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-16-021725

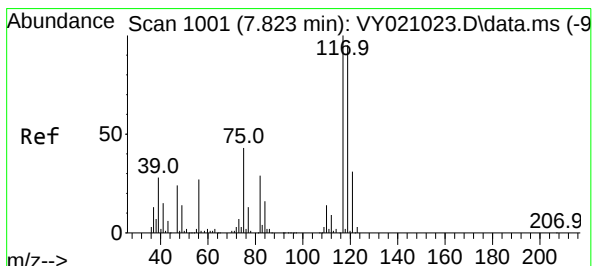
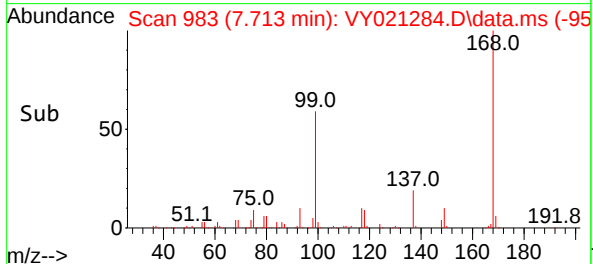
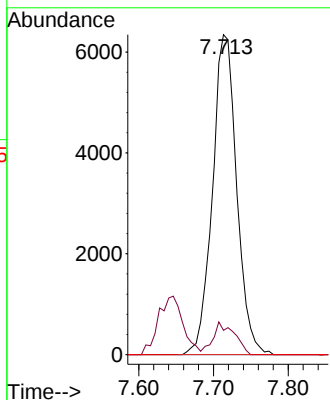
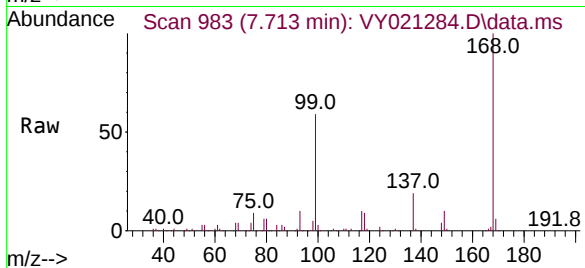
Tgt Ion: 75 Resp: 14314

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.812 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021284.D

Acq: 21 Feb 2025 14:37

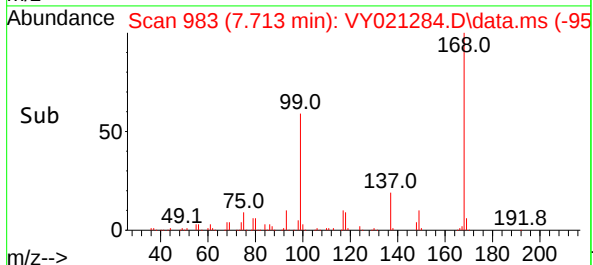
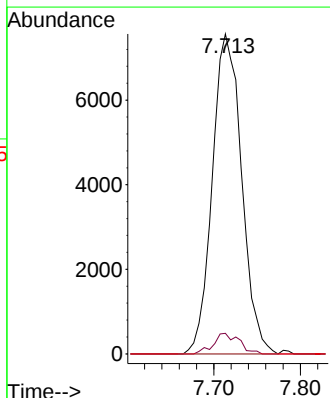
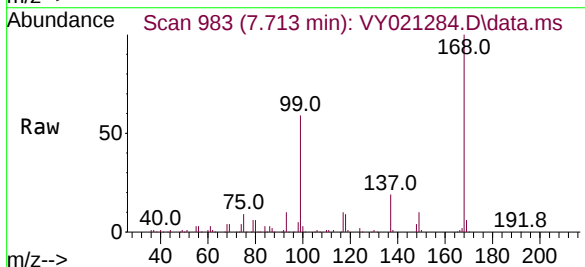
Tgt Ion: 117 Resp: 17846

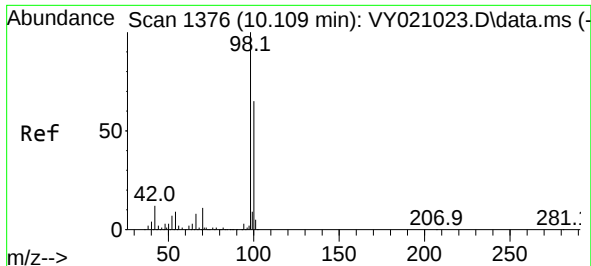
Ion Ratio Lower Upper

117 100

119 6.4 76.0 114.0#

121 0.0 24.2 36.2#

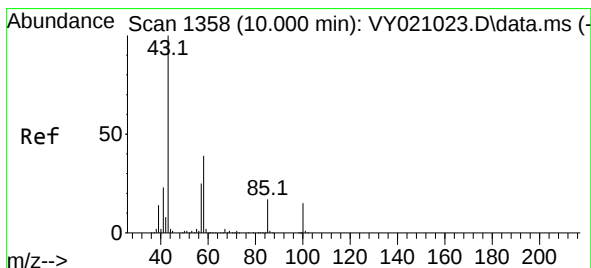
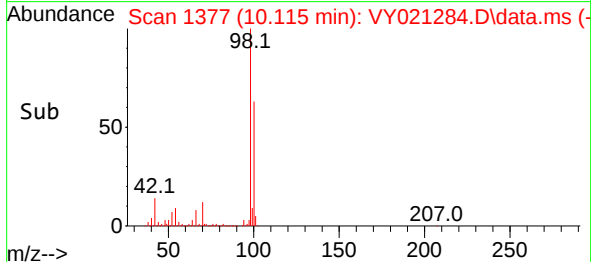
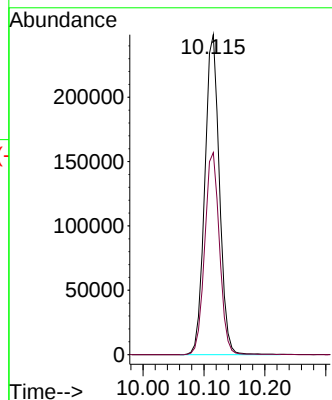
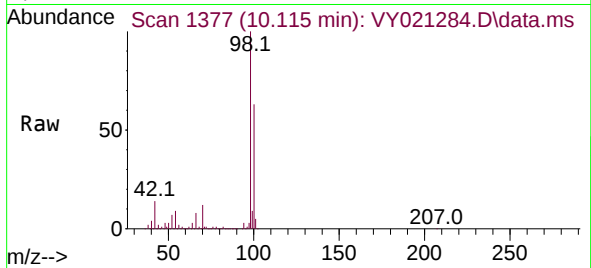




#50
Toluene-d8
Concen: 50.588 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

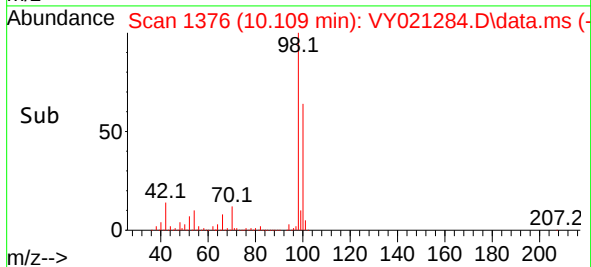
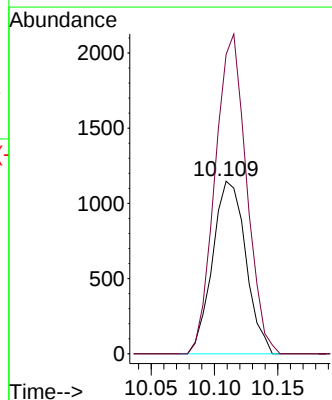
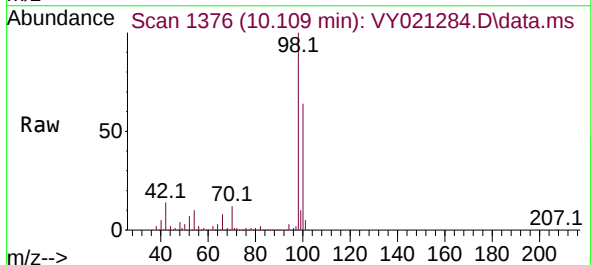
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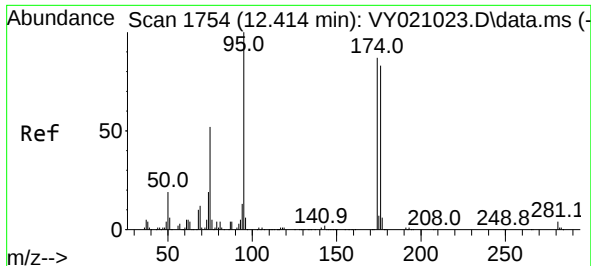
Tgt Ion: 98 Resp: 412662
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.510 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 174.6 32.2 48.2#

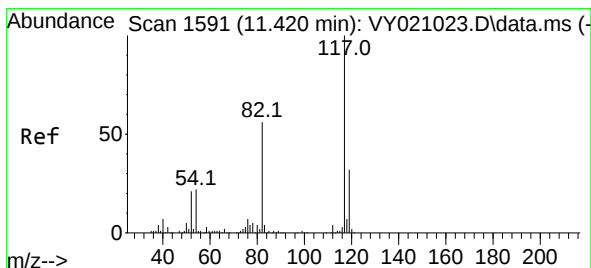
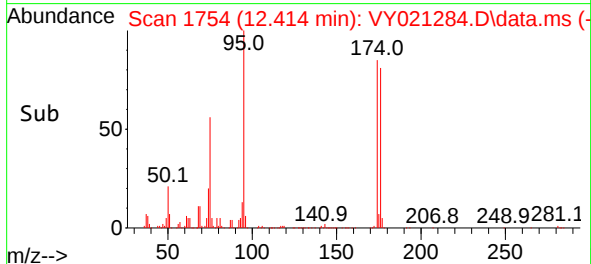
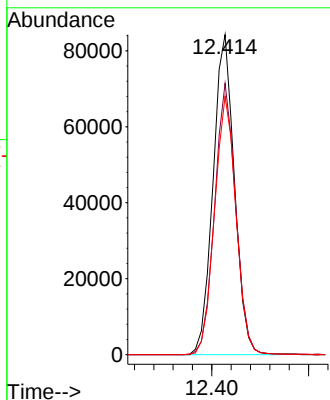
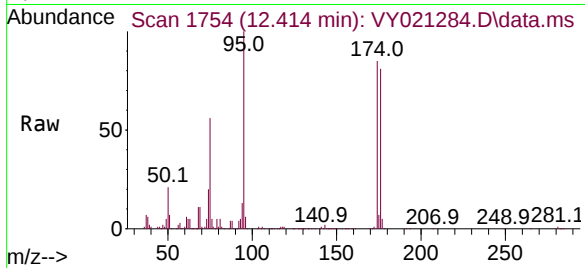




#62
4-Bromofluorobenzene
Concen: 48.543 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

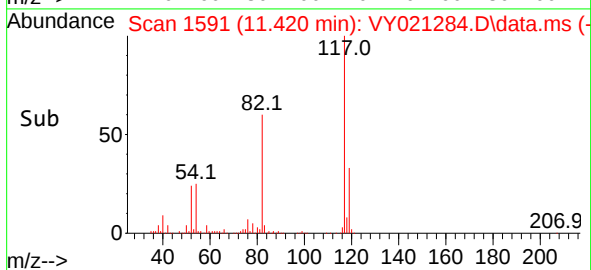
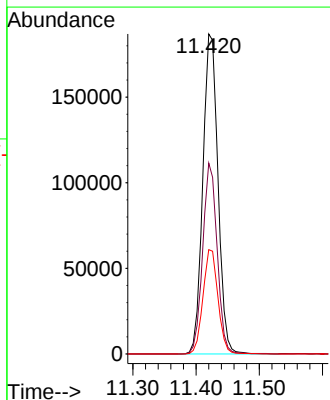
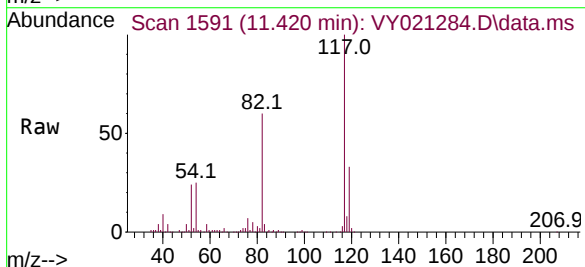
Instrument :
MSVOA_Y
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OU4-PCS-TC-16-021725

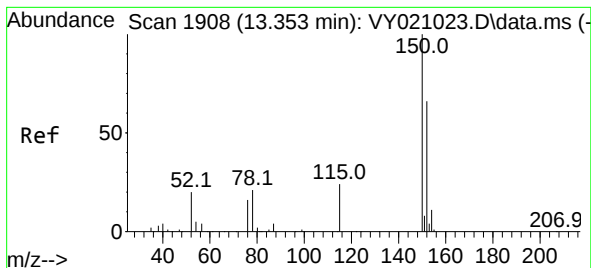
Tgt Ion:	95	Resp:	129364
Ion Ratio	Lower	Upper	
95	100		
174	83.8	0.0	160.0
176	81.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021284.D
Acq: 21 Feb 2025 14:37

Tgt Ion:	117	Resp:	309204
Ion Ratio	Lower	Upper	
117	100		
82	59.6	43.8	65.8
119	32.6	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: VY021284.D

Acq: 21 Feb 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-16-021725

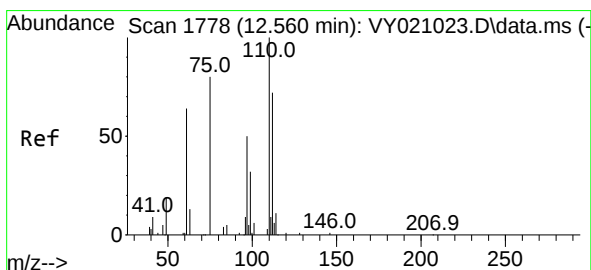
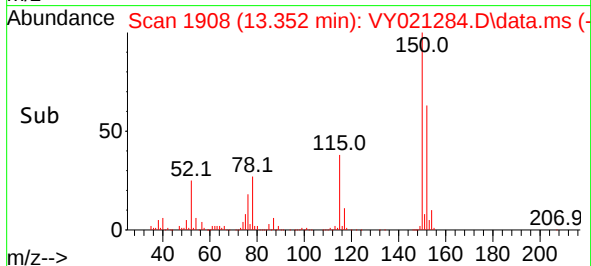
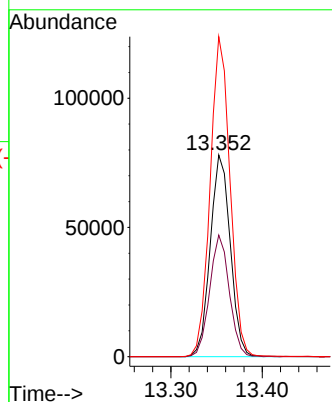
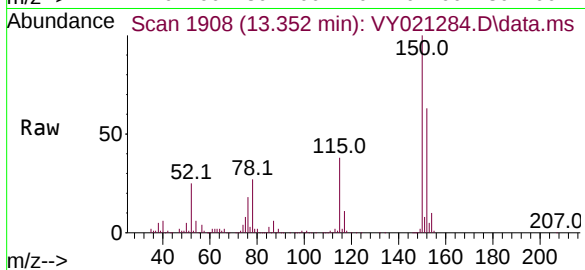
Tgt Ion:152 Resp: 118737

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 157.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 67.022 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.147 min

Lab File: VY021284.D

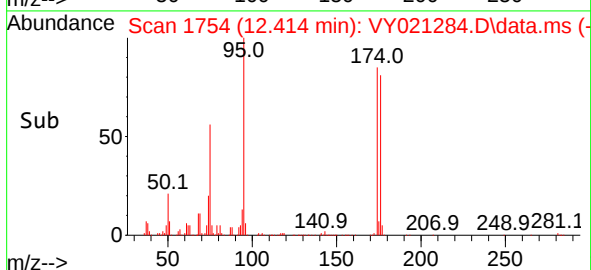
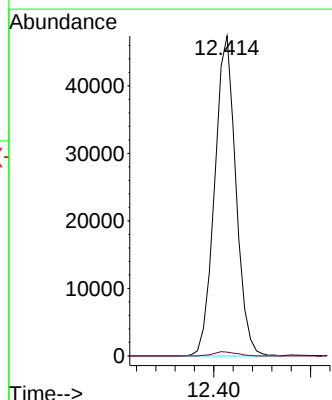
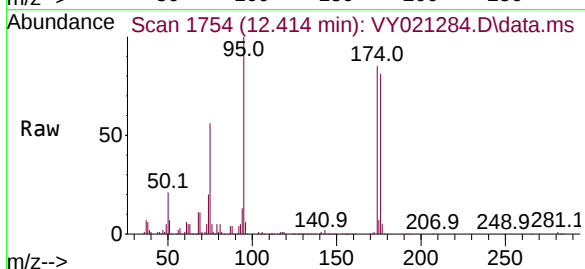
Acq: 21 Feb 2025 14:37

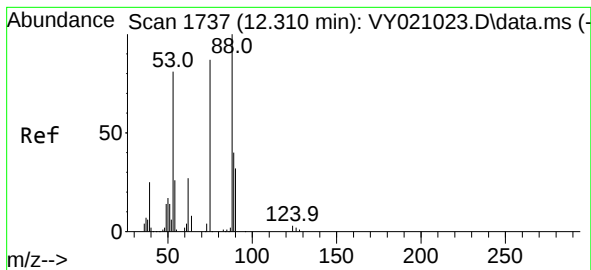
Tgt Ion: 75 Resp: 72189

Ion Ratio Lower Upper

75 100

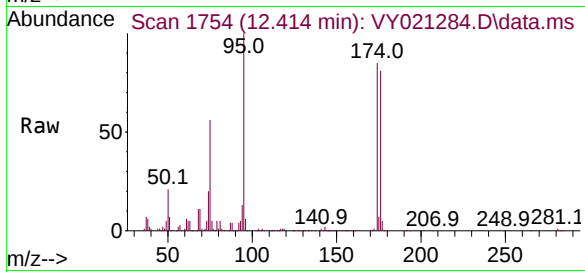
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.757 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021284.D
 Acq: 21 Feb 2025 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-16-021725



Tgt Ion: 75 Resp: 72189
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

