

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021340.D
 Acq On : 26 Feb 2025 18:34
 Operator : SY/MD
 Sample : Q1420-03
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-WC-VOC

Quant Time: Feb 27 00:41:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

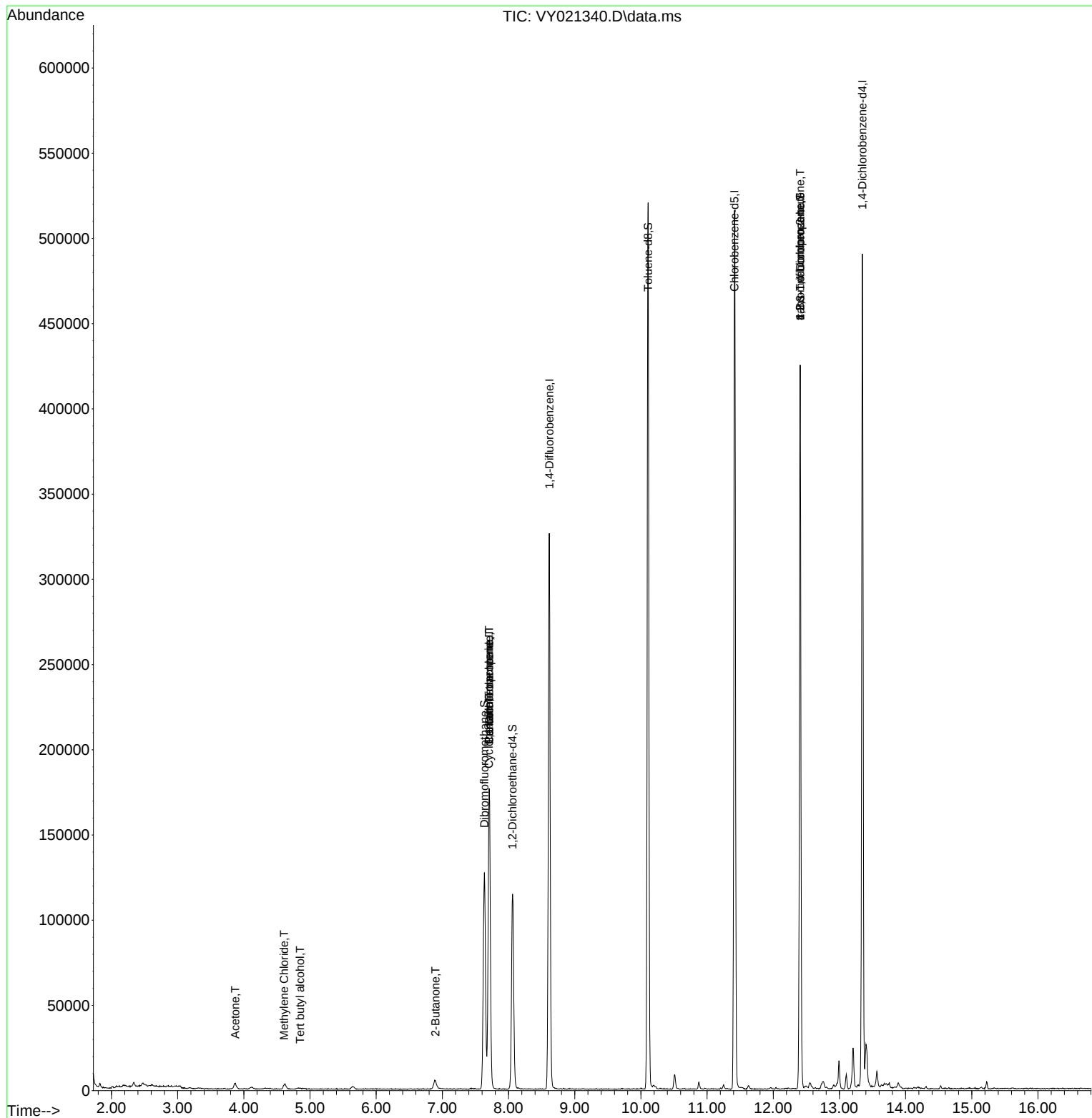
Internal Standards						
1) Pentafluorobenzene	7.707	168	133486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	262468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	116320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92483	61.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.140%	
35) Dibromofluoromethane	7.634	113	87427	50.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.620%	
50) Toluene-d8	10.109	98	326047	49.028	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.408	95	117905	52.681	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	452	3.881	ug/l #	72
16) Acetone	3.872	43	5809	19.998	ug/l	95
20) Methylene Chloride	4.610	84	1938	1.234	ug/l #	93
25) 2-Butanone	6.896	43	1725	3.935	ug/l	95
31) Cyclohexane	7.701	56	3204	1.200	ug/l #	33
36) 1,1-Dichloropropene	7.707	75	11056	4.277	ug/l #	51
38) Carbon Tetrachloride	7.707	117	14392	4.953	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	66572	57.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	66572	127.085	ug/l #	10

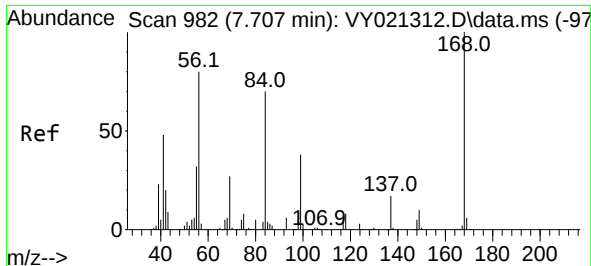
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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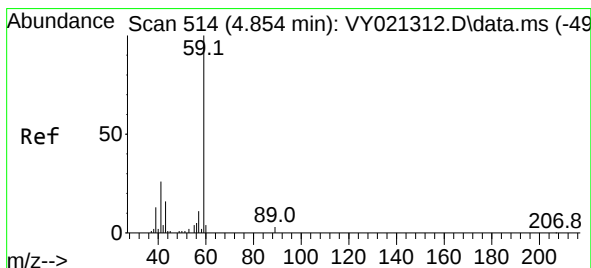
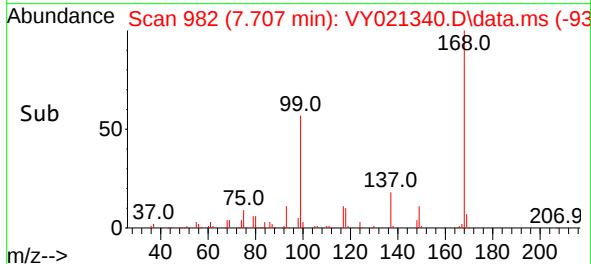
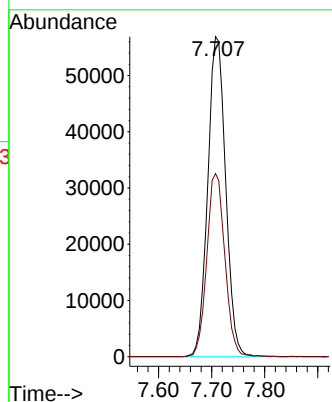
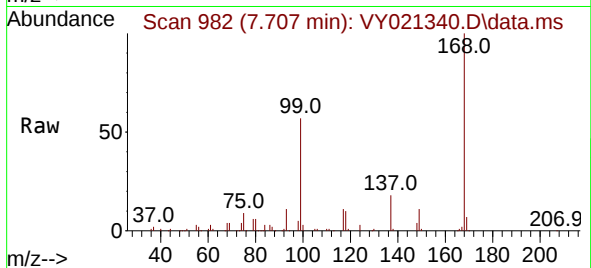




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

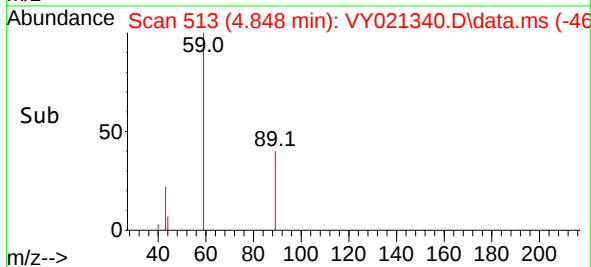
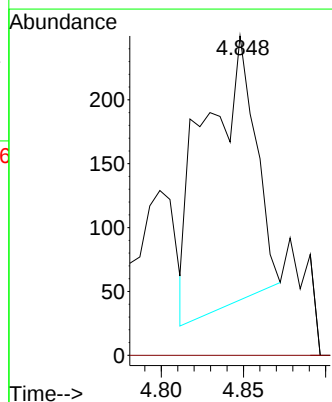
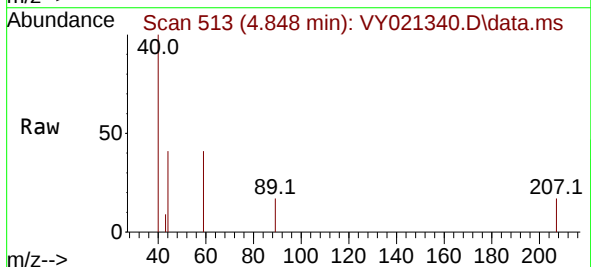
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC-VOC

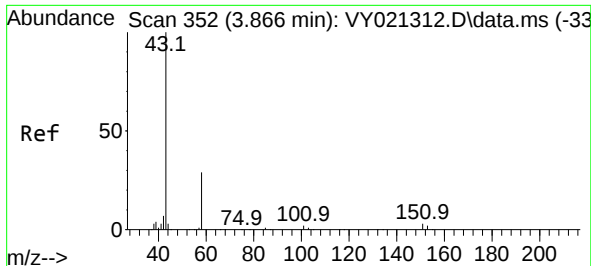
Tgt Ion:168 Resp: 133486
Ion Ratio Lower Upper
168 100
99 57.2 47.1 70.7



#11
Tert butyl alcohol
Concen: 3.881 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 19.998 ug/l

RT: 3.872 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY021340.D

Acq: 26 Feb 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

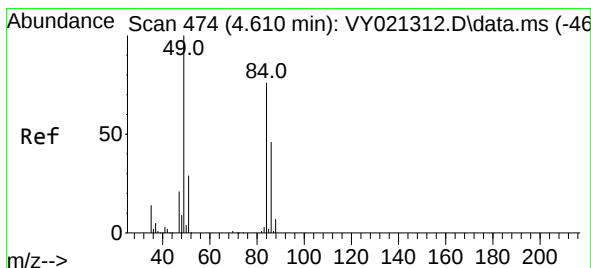
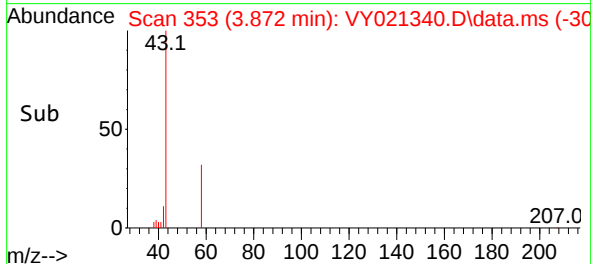
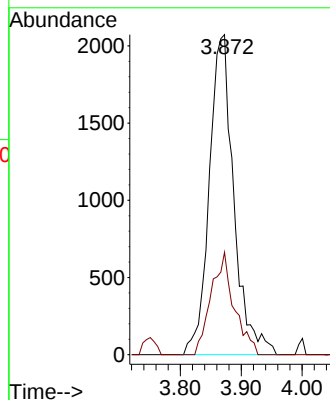
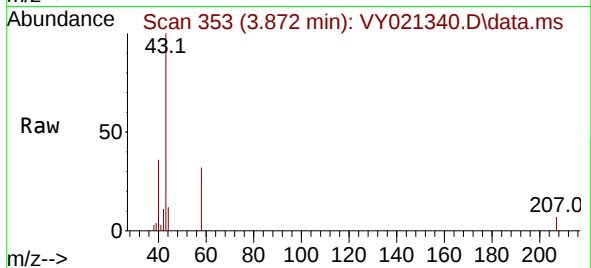
TP-1-WC-VOC

Tgt Ion: 43 Resp: 5809

Ion Ratio Lower Upper

43 100

58 32.0 23.5 35.3



#20

Methylene Chloride

Concen: 1.234 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021340.D

Acq: 26 Feb 2025 18:34

Tgt Ion: 84 Resp: 1938

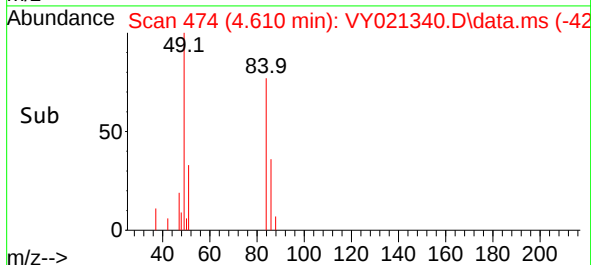
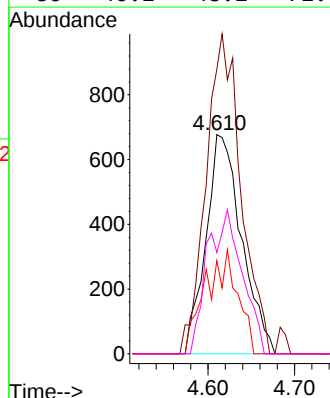
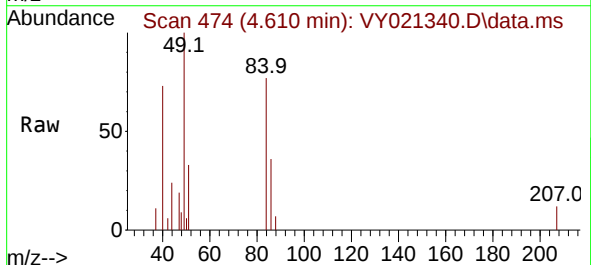
Ion Ratio Lower Upper

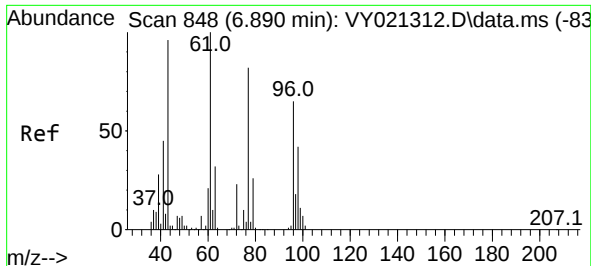
84 100

49 129.8 105.1 157.7

51 42.5 31.0 46.4

86 46.2 48.2 72.4#

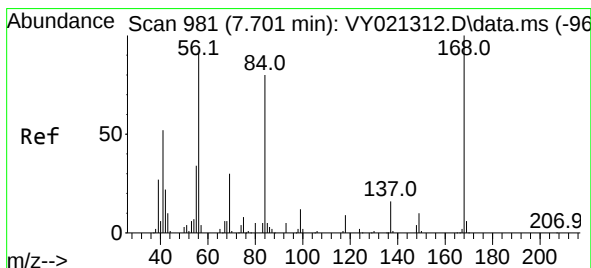
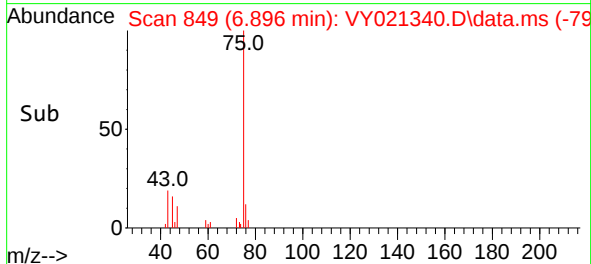
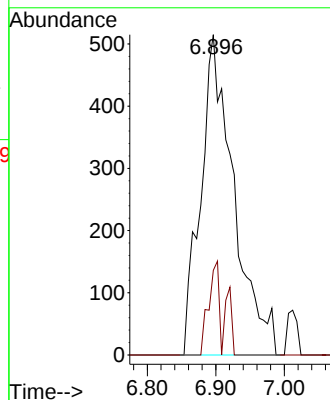
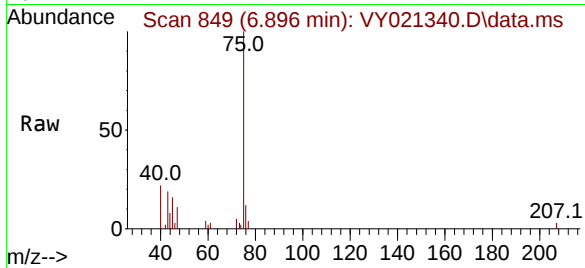




#25
2-Butanone
Concen: 3.935 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

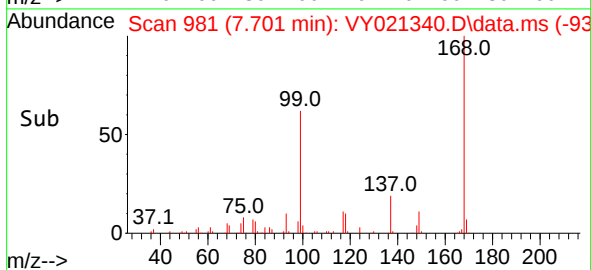
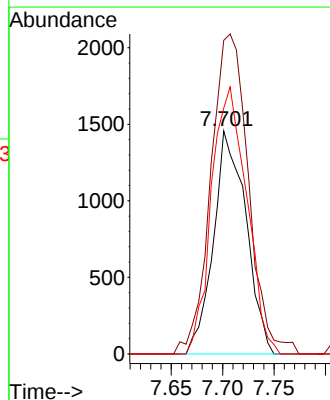
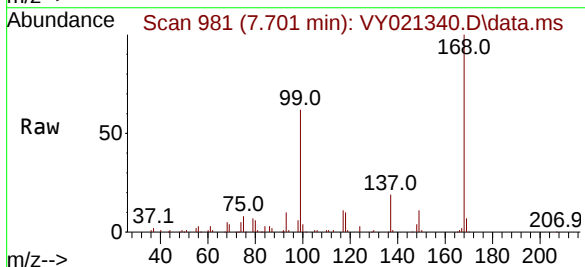
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC-VOC

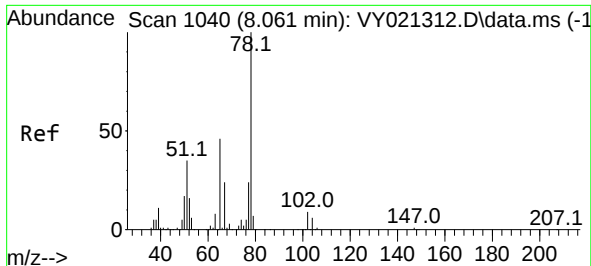
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
72 26.4 19.0 28.6



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

Tgt Ion: 56 Resp: 3204
Ion Ratio Lower Upper
56 100
69 135.2 26.2 39.4#
84 110.2 70.2 105.4#

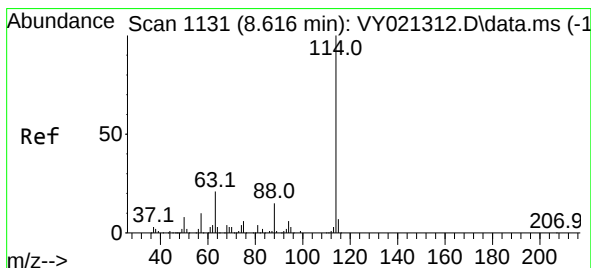
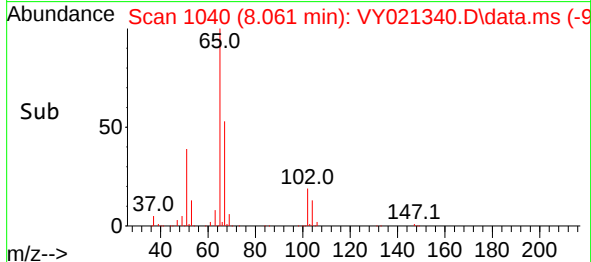
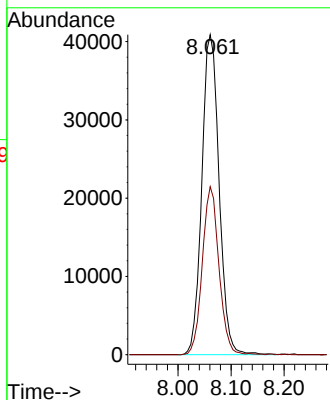
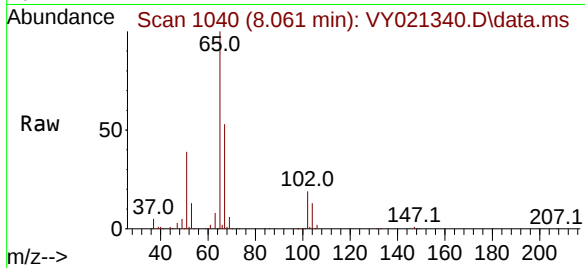




#33
 1,2-Dichloroethane-d4
 Concen: 61.074 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021340.D
 Acq: 26 Feb 2025 18:34

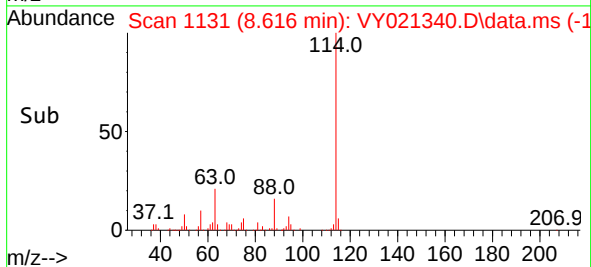
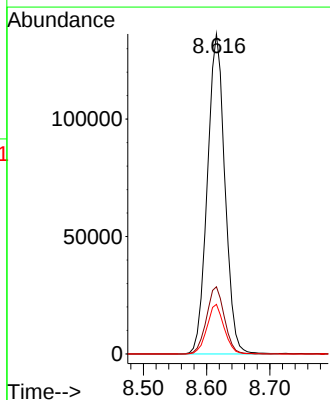
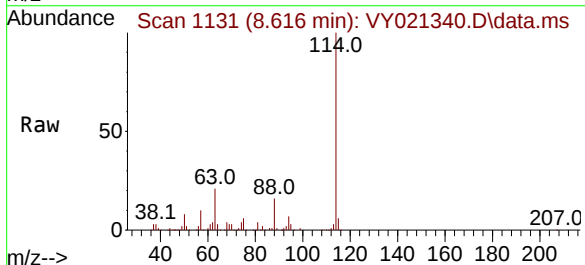
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-WC-VOC

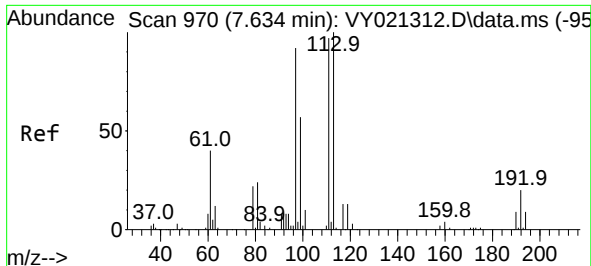
Tgt Ion: 65 Resp: 92483
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021340.D
 Acq: 26 Feb 2025 18:34

Tgt Ion: 114 Resp: 262468
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.2
 88 15.5 0.0 29.8

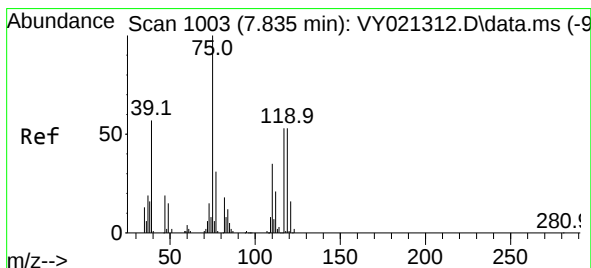
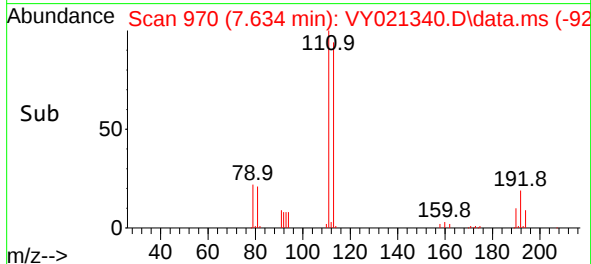
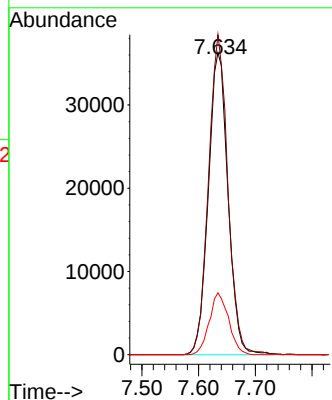
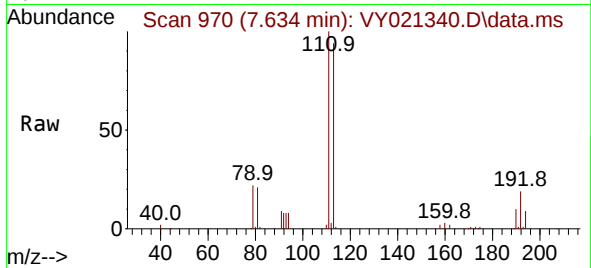




#35
Dibromofluoromethane
Concen: 50.807 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

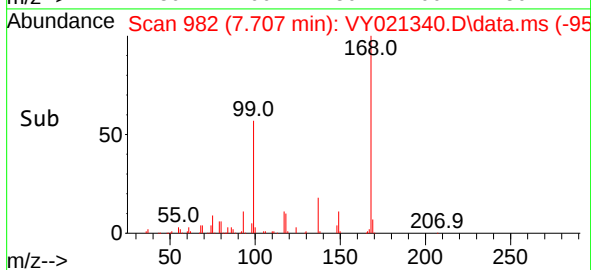
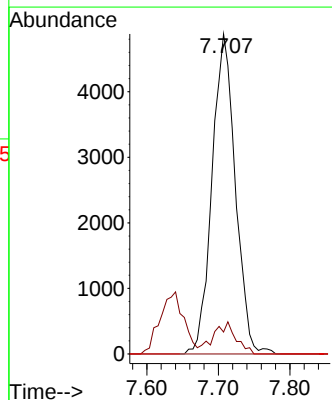
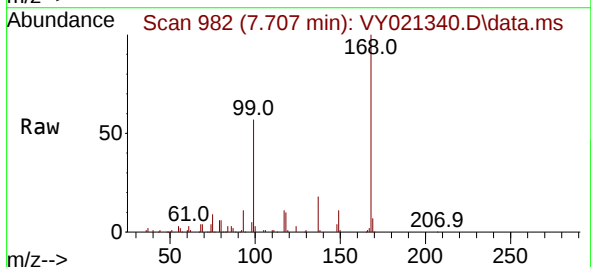
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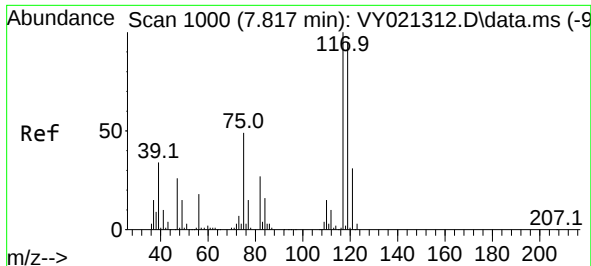
Tgt Ion:113 Resp: 87427
Ion Ratio Lower Upper
113 100
111 104.1 81.0 121.6
192 20.2 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.277 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

Tgt Ion: 75 Resp: 11056
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.0 24.6 36.8#

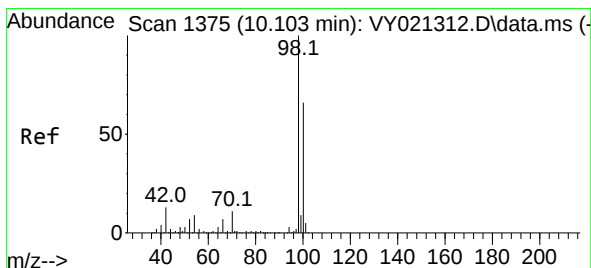
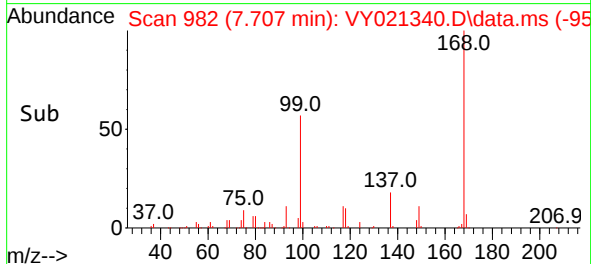
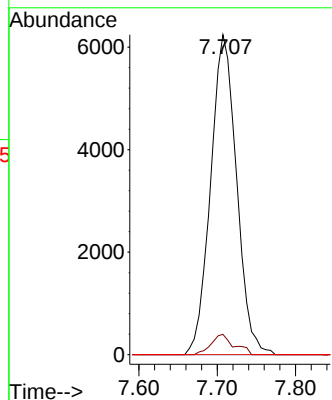
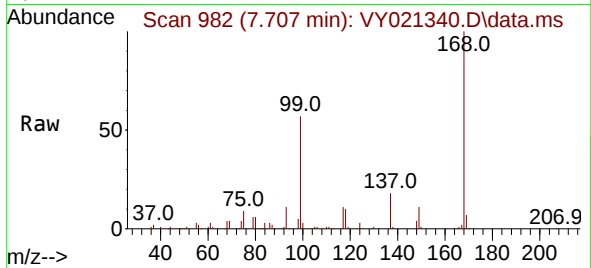




#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

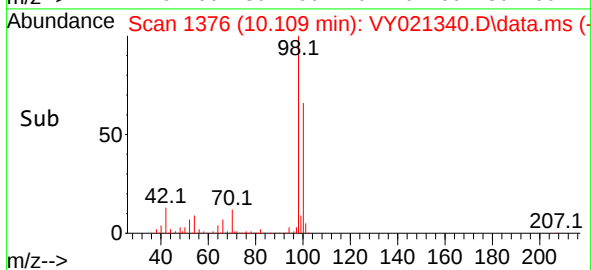
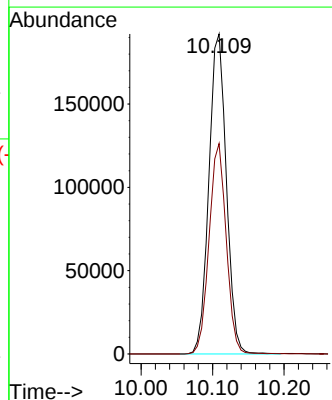
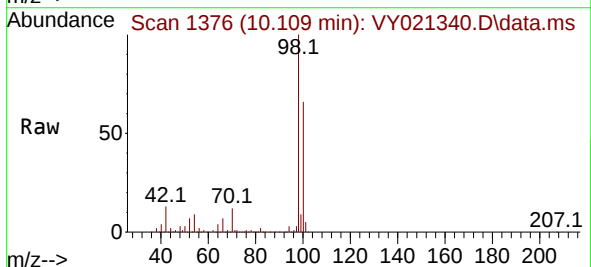
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TP-1-WC-VOC

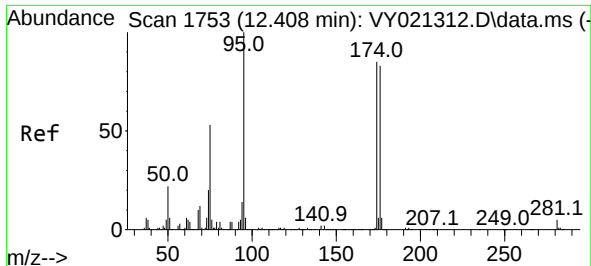
Tgt Ion:117 Resp: 14392
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.028 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

Tgt Ion: 98 Resp: 326047
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6

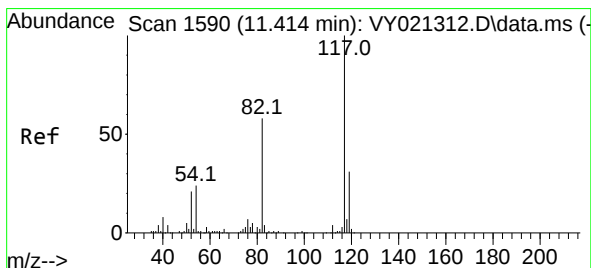
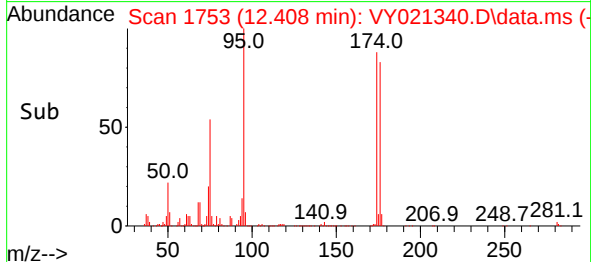
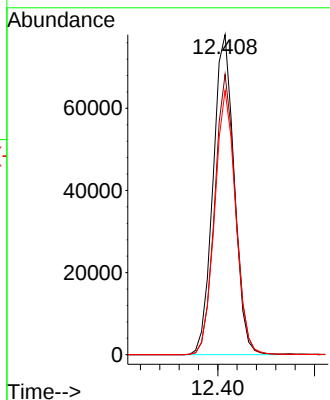
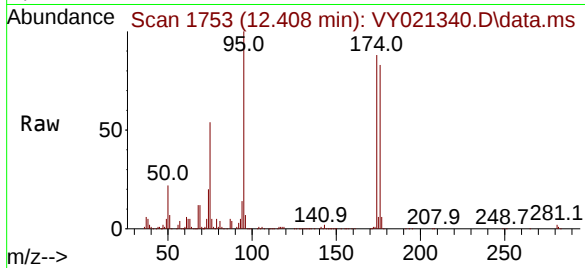




#62
4-Bromofluorobenzene
Concen: 52.681 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

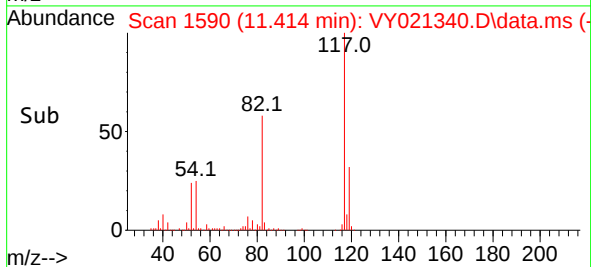
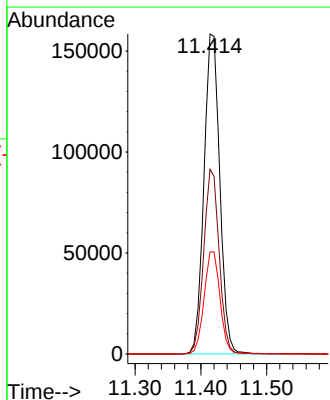
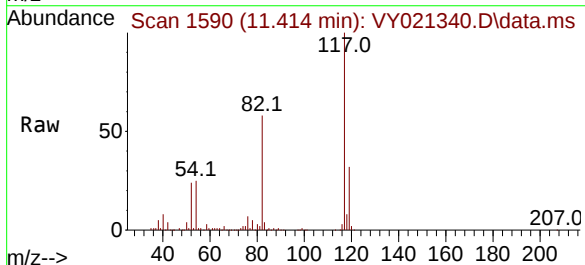
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-WC-VOC

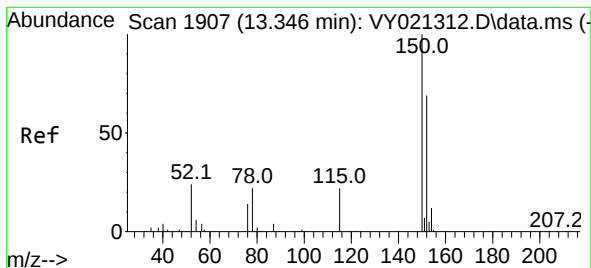
Tgt Ion:	95	Resp:	117905
Ion Ratio	Lower	Upper	
95	100		
174	86.1	0.0	168.0
176	82.2	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021340.D
Acq: 26 Feb 2025 18:34

Tgt Ion:	117	Resp:	265589
Ion Ratio	Lower	Upper	
117	100		
82	57.7	46.2	69.4
119	31.9	24.9	37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021340.D

Acq: 26 Feb 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-WC-VOC

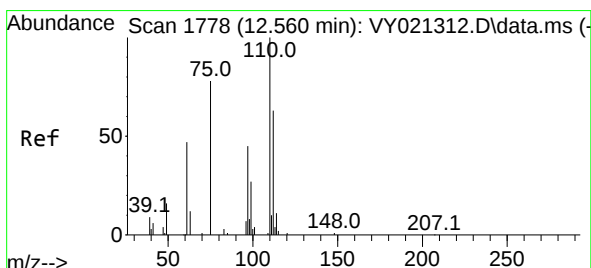
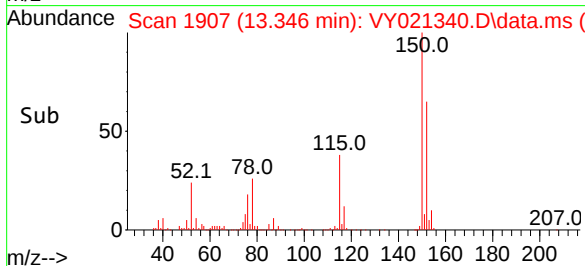
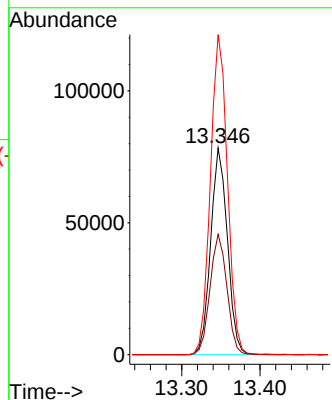
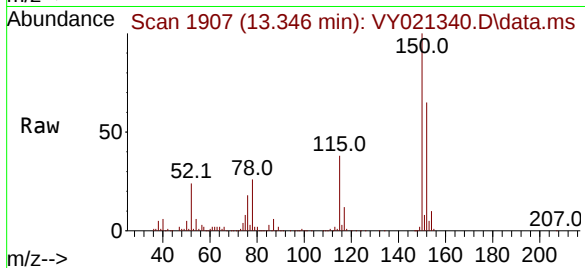
Tgt Ion:152 Resp: 116320

Ion Ratio Lower Upper

152 100

115 58.6 29.3 88.0

150 157.3 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 57.178 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021340.D

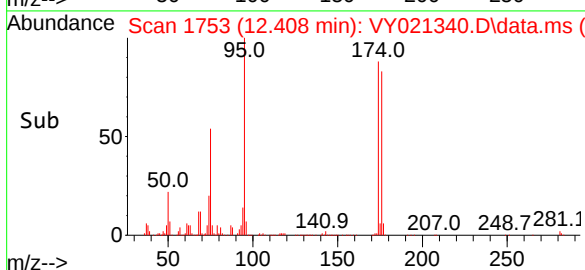
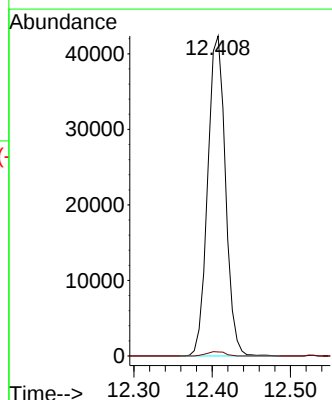
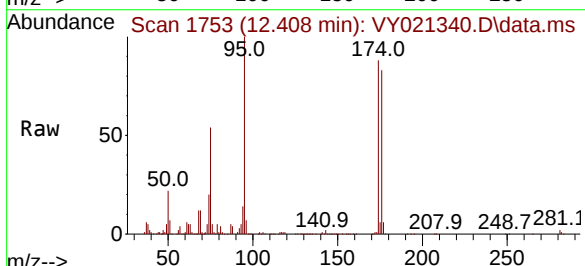
Acq: 26 Feb 2025 18:34

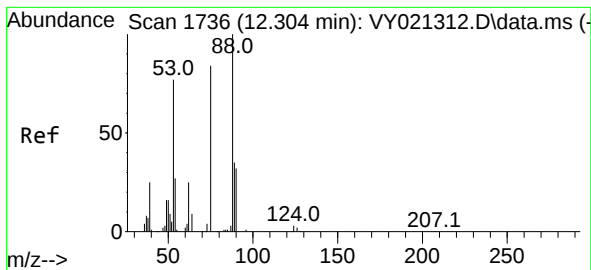
Tgt Ion: 75 Resp: 66572

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.085 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021340.D
 Acq: 26 Feb 2025 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-WC-VOC

Tgt Ion: 75 Resp: 66572
 Ion Ratio Lower Upper
 75 100
 53 0.4 79.1 118.7#
 89 0.0 35.6 53.4#

