

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080370.D
 Acq On : 16 May 2025 14:40
 Operator : RP/MD
 Sample : Q2048-11
 Misc : 5.07G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 L2-WC-3-VOC

Quant Time: May 17 01:20:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	71437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	129699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	116705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	52253	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	37106	40.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.340%
35) Dibromofluoromethane	7.805	113	46684	53.704	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.400%
50) Toluene-d8	10.270	98	168921	49.318	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.570	95	44570	40.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.080%

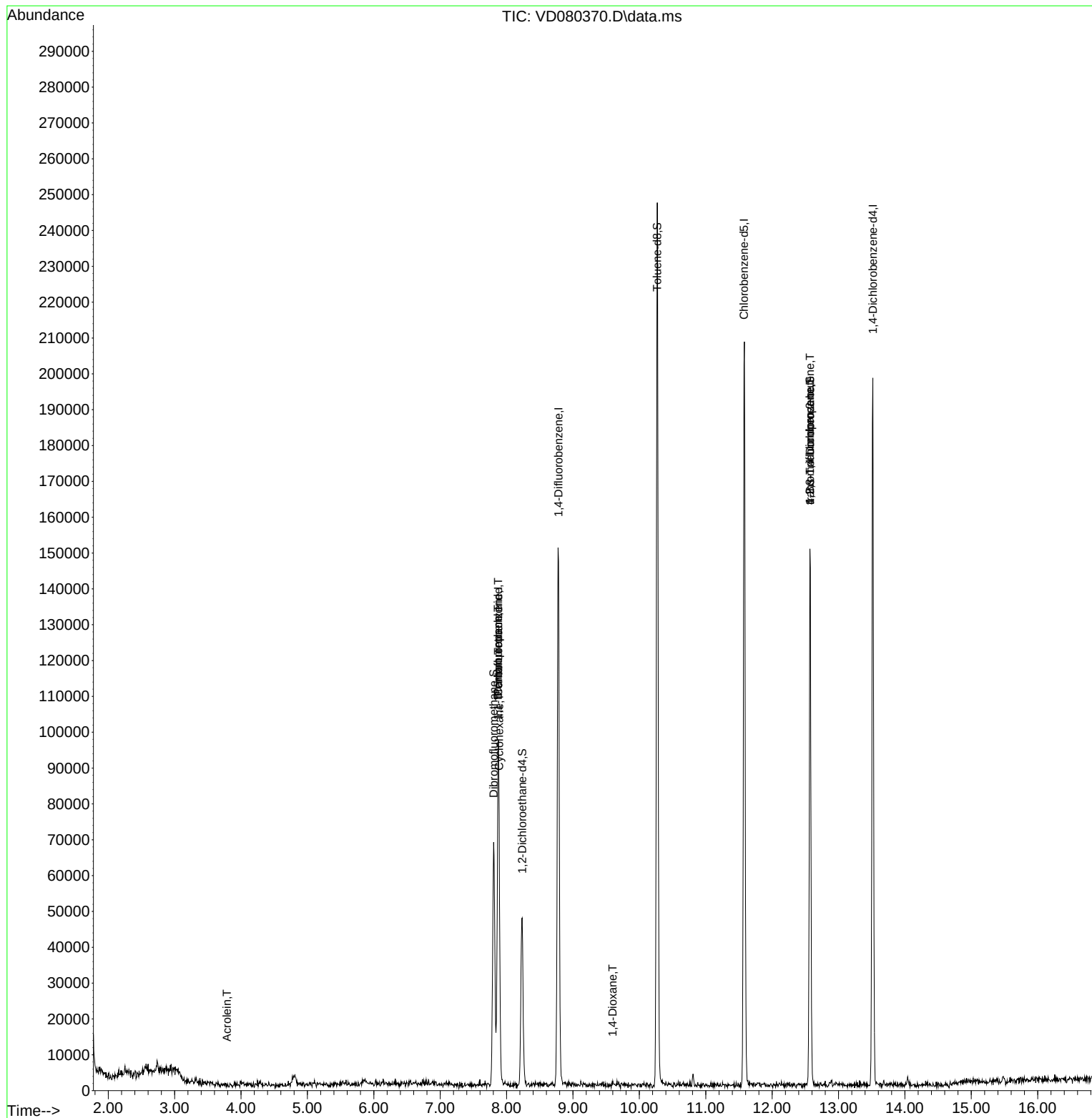
Target Compounds					Qvalue	
3) Chloromethane	2.153	50	198	Below Cal	#	39
13) Acrolein	3.788	56	121	1.227	ug/l #	13
16) Acetone	4.029	43	470	Below Cal	#	43
20) Methylene Chloride	4.800	84	1960	Below Cal	#	61
31) Cyclohexane	7.888	56	2168	1.445	ug/l #	13
36) 1,1-Dichloropropene	7.870	75	6523	5.021	ug/l #	47
38) Carbon Tetrachloride	7.876	117	7496	5.532	ug/l #	14
49) 1,4-Dioxane	9.599	88	55	8.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.570	75	23834	47.261	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.570	75	23834	89.709	ug/l #	15

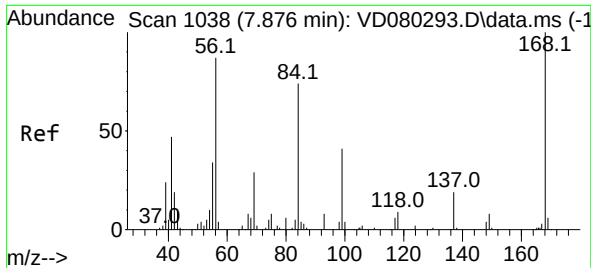
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

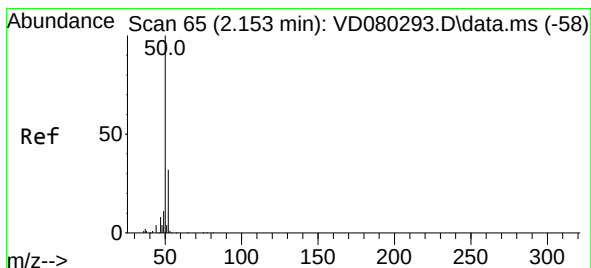
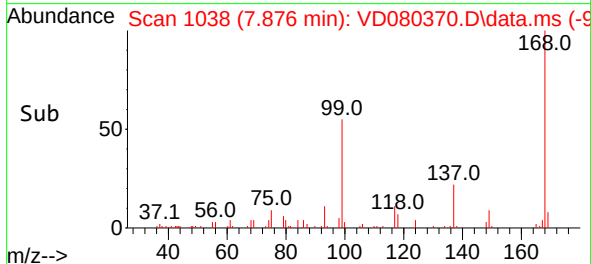
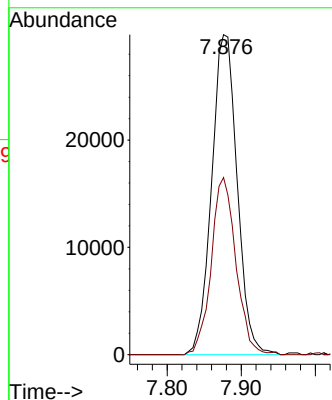
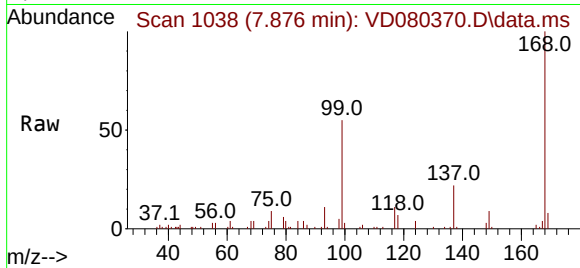




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 10
Delta R.T. 0.001 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

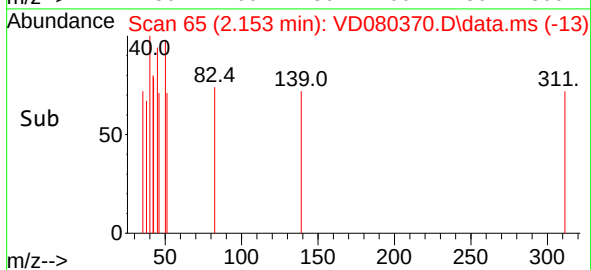
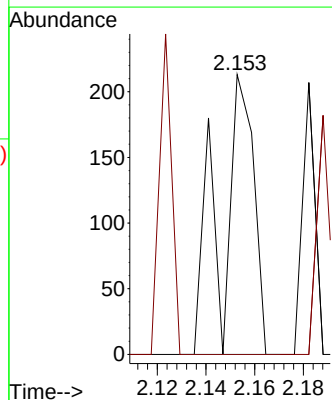
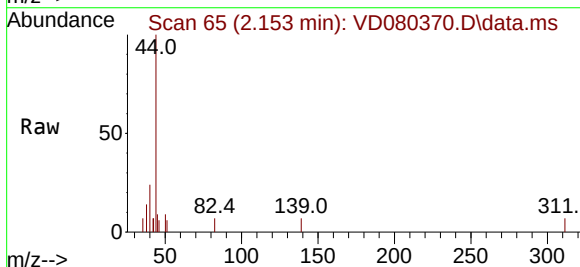
Instrument :
MSVOA_D
ClientSampleId :
L2-WC-3-VOC

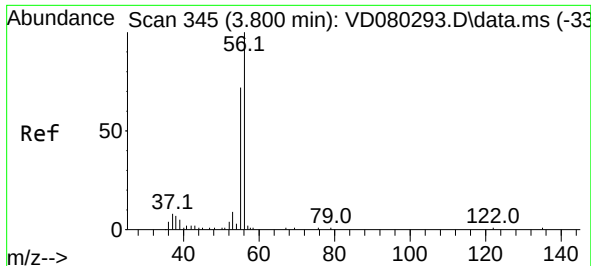
Tgt Ion:168 Resp: 71437
Ion Ratio Lower Upper
168 100
99 55.3 46.0 69.0



#3
Chloromethane
Concen: Below Cal
RT: 2.153 min Scan# 65
Delta R.T. 0.007 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#





#13

Acrolein

Concen: 1.227 ug/l

RT: 3.788 min Scan# 345

Delta R.T. -0.005 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Instrument :

MSVOA_D

ClientSampleId :

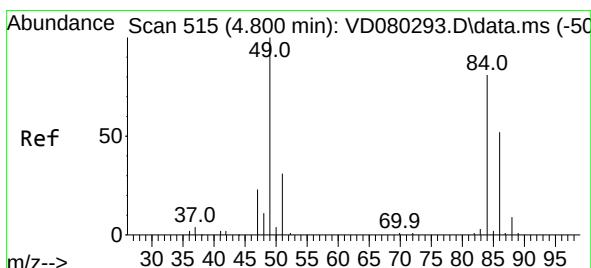
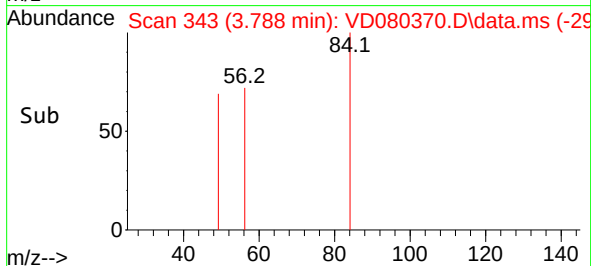
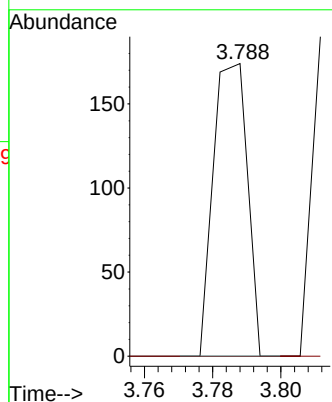
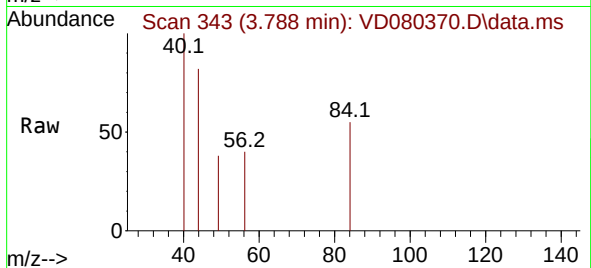
L2-WC-3-VOC

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.800 min Scan# 515

Delta R.T. -0.005 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Tgt Ion: 84 Resp: 1960

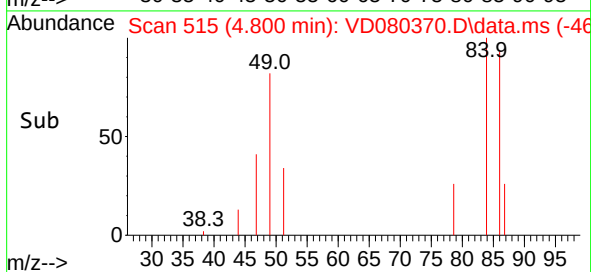
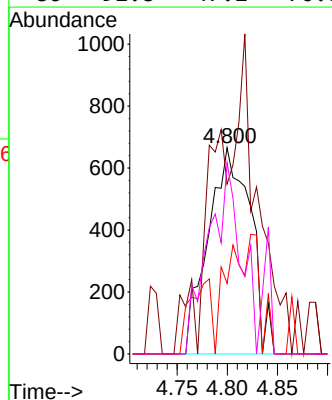
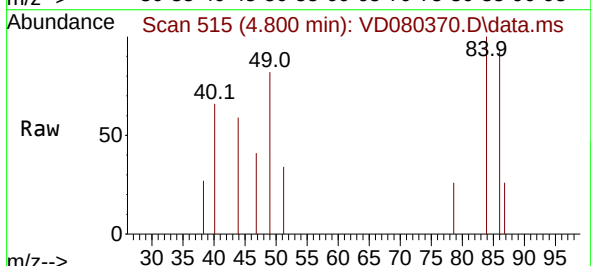
Ion Ratio Lower Upper

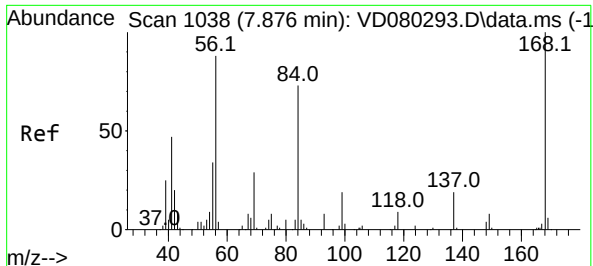
84 100

49 58.6 86.5 129.7#

51 34.2 26.9 40.3

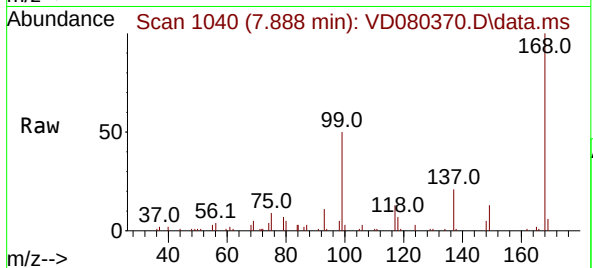
86 92.8 47.2 70.8#



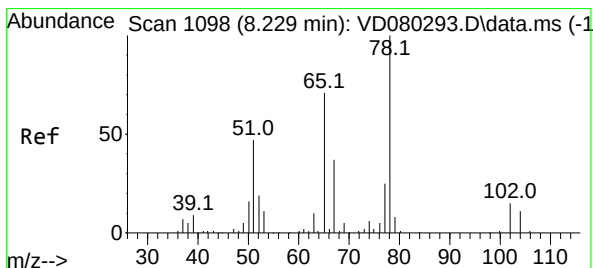
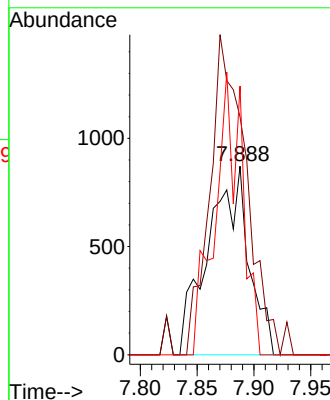
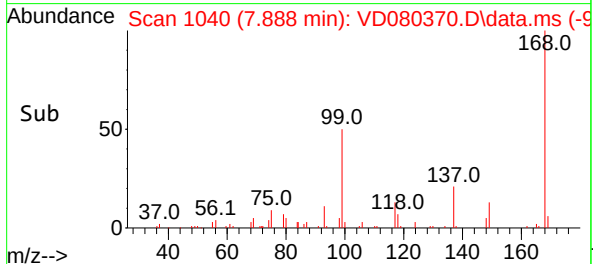


#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.888 min Scan# 1040
Delta R.T. 0.007 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

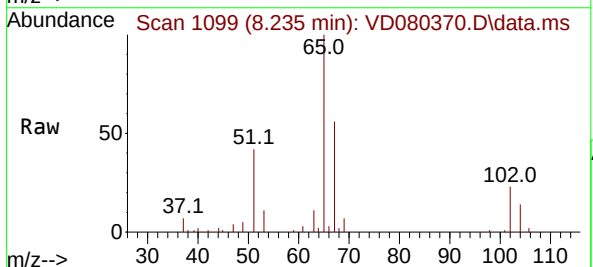
Instrument :
MSVOA_D
ClientSampleId :
L2-WC-3-VOC



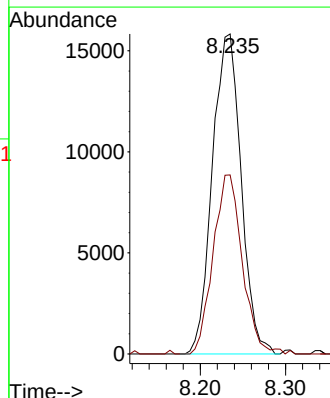
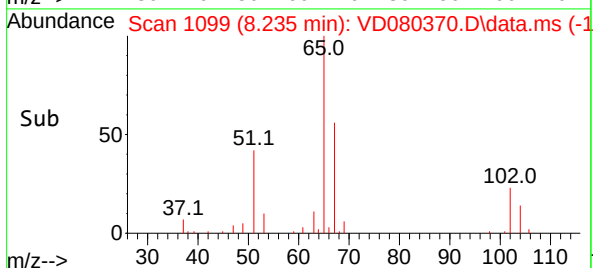
Tgt Ion: 56 Resp: 2168
Ion Ratio Lower Upper
56 100
69 126.2 27.3 40.9#
84 142.6 70.2 105.4#

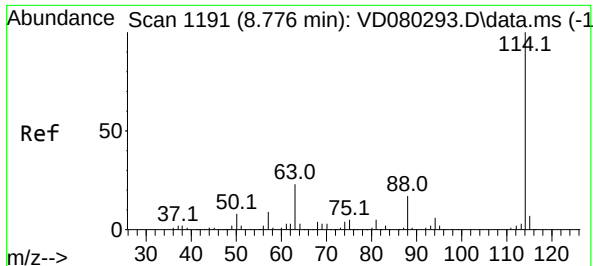


#33
1,2-Dichloroethane-d4
Concen: 40.167 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40



Tgt Ion: 65 Resp: 37106
Ion Ratio Lower Upper
65 100
67 56.8 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Instrument :

MSVOA_D

ClientSampleId :

L2-WC-3-VOC

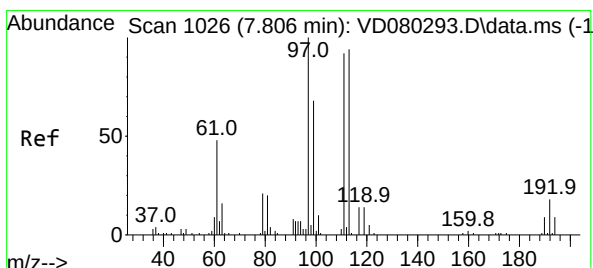
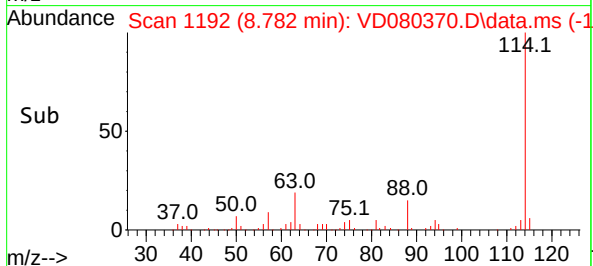
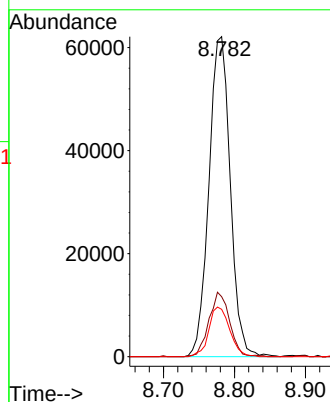
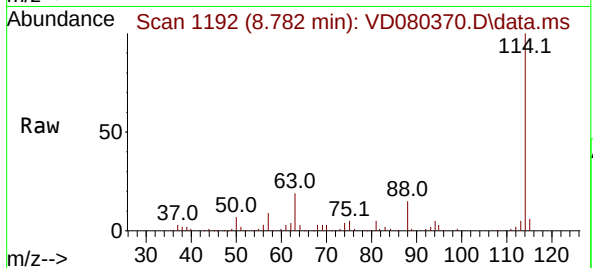
Tgt Ion:114 Resp: 129699

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.704 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

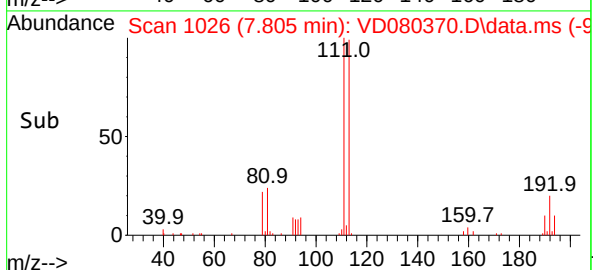
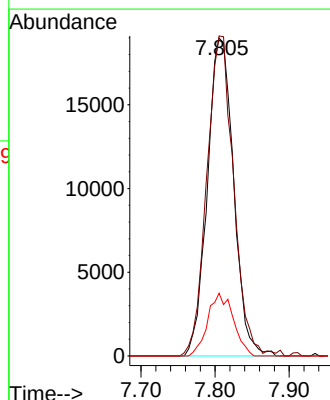
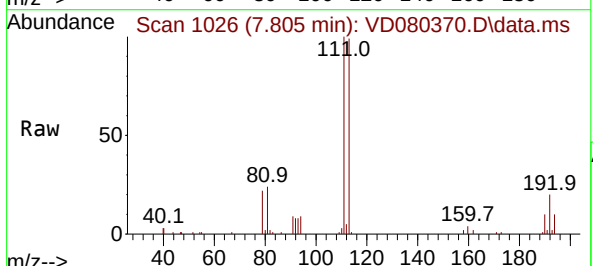
Tgt Ion:113 Resp: 46684

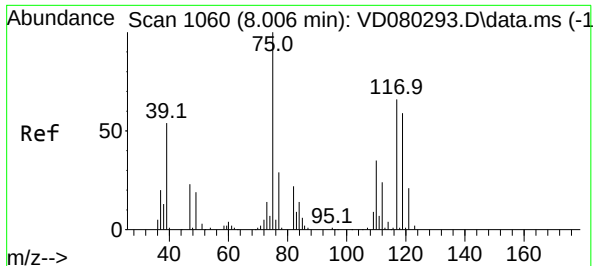
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 19.2 16.6 25.0





#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 7.870 min Scan# 1037

Delta R.T. -0.135 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Instrument :

MSVOA_D

ClientSampleId :

L2-WC-3-VOC

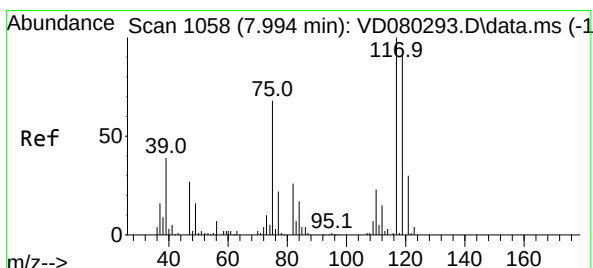
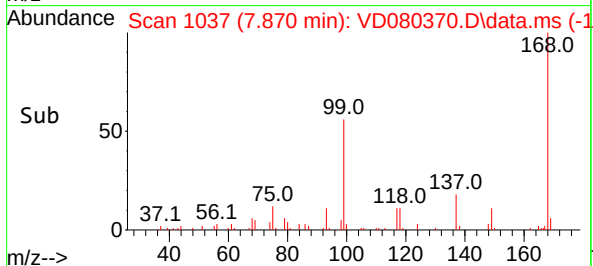
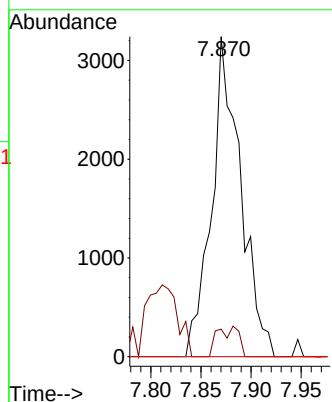
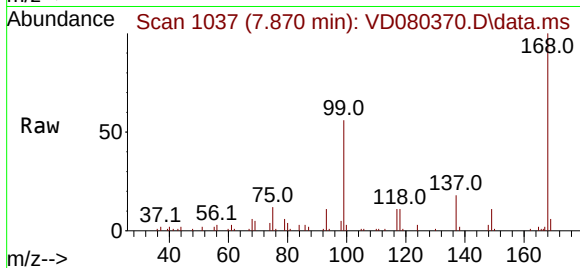
Tgt Ion: 75 Resp: 6523

Ion Ratio Lower Upper

75 100

110 7.0 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.876 min Scan# 1038

Delta R.T. -0.111 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

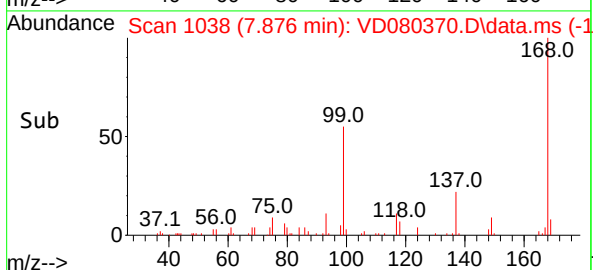
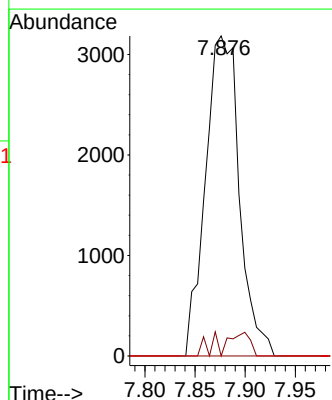
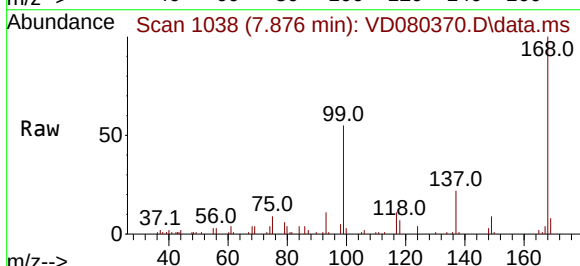
Tgt Ion: 117 Resp: 7496

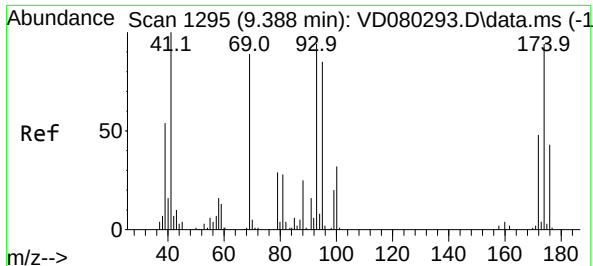
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.0#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 8.139 ug/l

RT: 9.599 min Scan# 11

Delta R.T. 0.212 min

Lab File: VD080370.D

Acq: 16 May 2025 14:40

Instrument :

MSVOA_D

ClientSampleId :

L2-WC-3-VOC

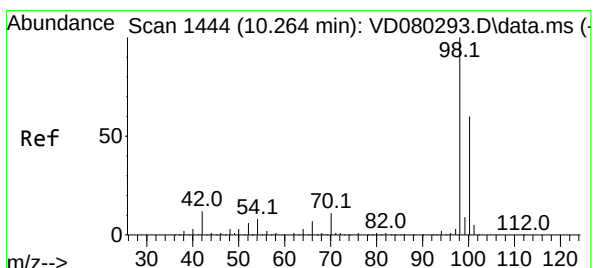
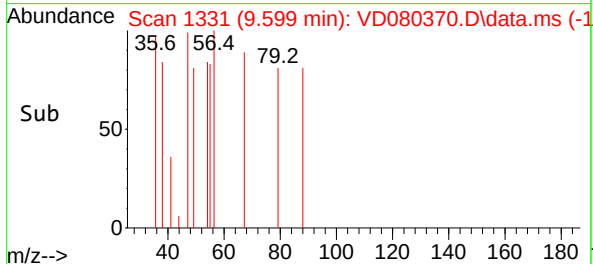
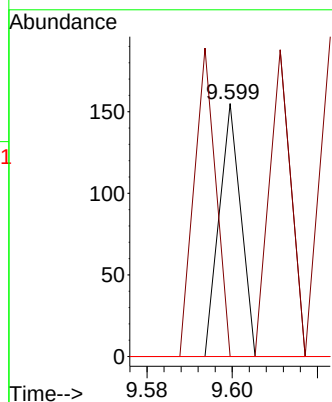
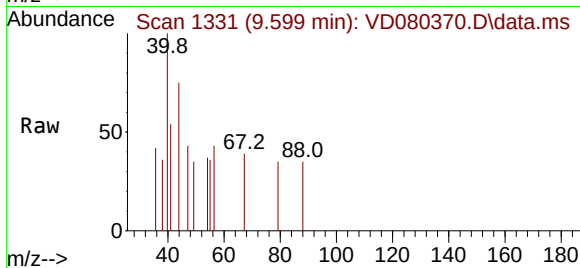
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 121.8 29.1 43.7#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 49.318 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.001 min

Lab File: VD080370.D

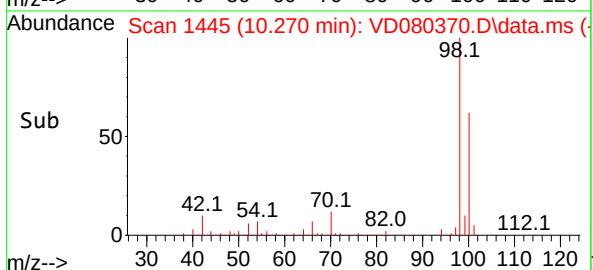
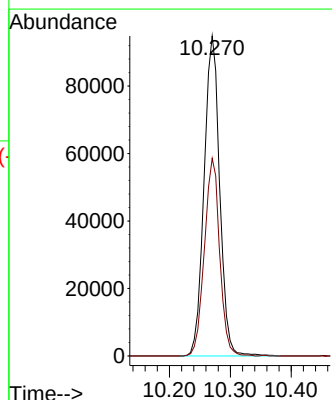
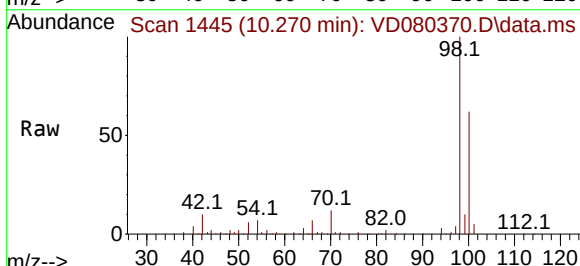
Acq: 16 May 2025 14:40

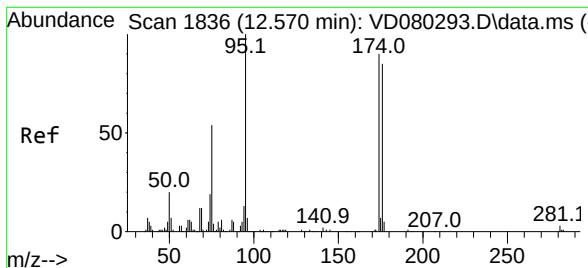
Tgt Ion: 98 Resp: 168921

Ion Ratio Lower Upper

98 100

100 60.3 50.2 75.4

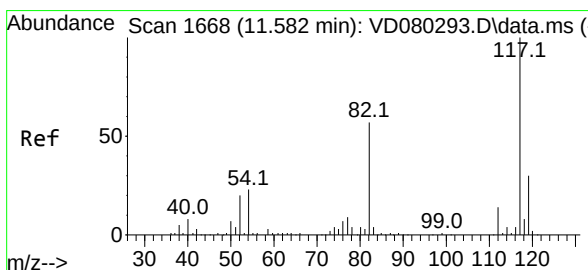
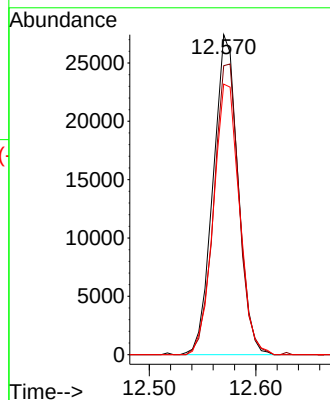
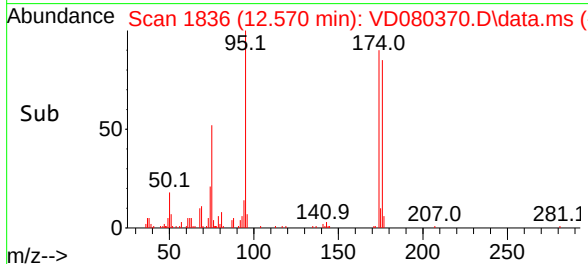
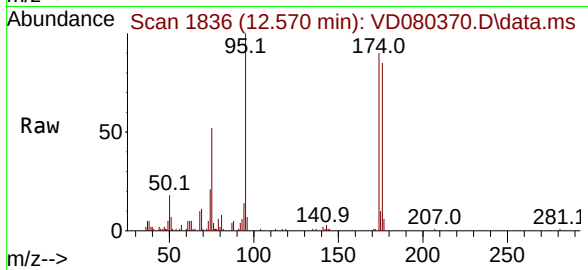




#62
4-Bromofluorobenzene
Concen: 40.542 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

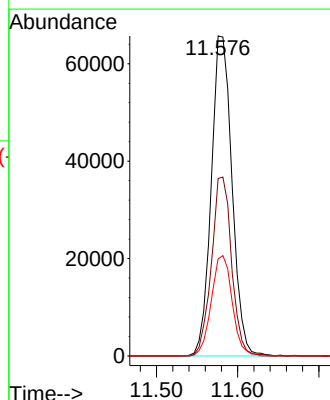
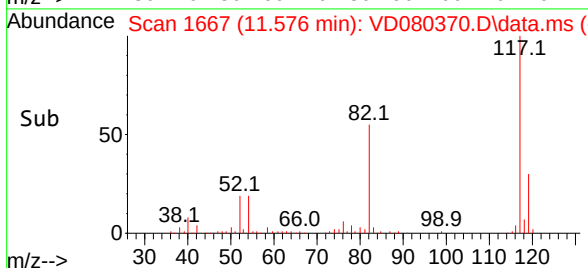
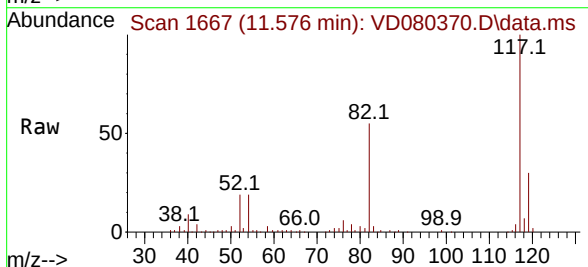
Instrument :
MSVOA_D
ClientSampleId :
L2-WC-3-VOC

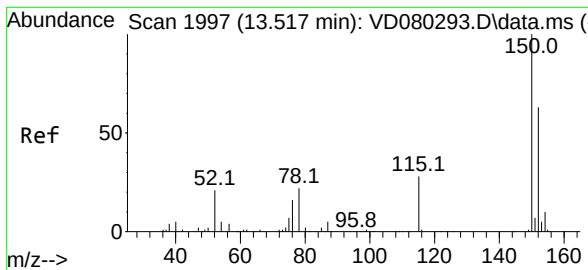
Tgt Ion: 95 Resp: 44570
Ion Ratio Lower Upper
95 100
174 91.3 0.0 173.4
176 87.6 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 1667
Delta R.T. -0.005 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

Tgt Ion: 117 Resp: 116705
Ion Ratio Lower Upper
117 100
82 55.5 45.8 68.6
119 30.4 26.2 39.2

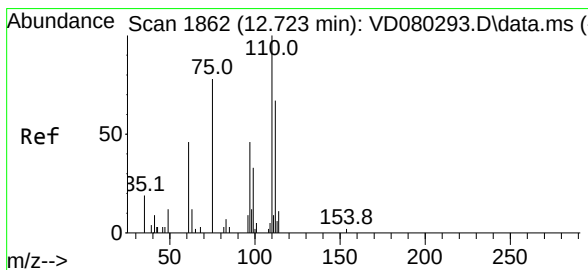
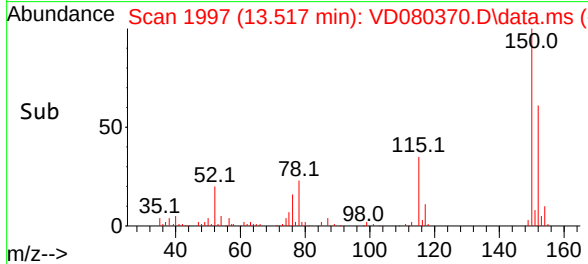
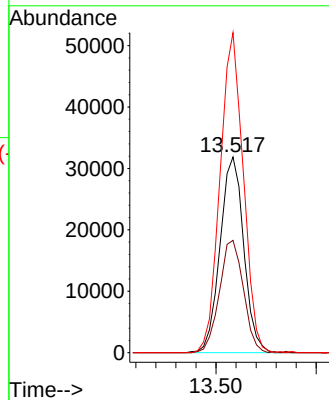
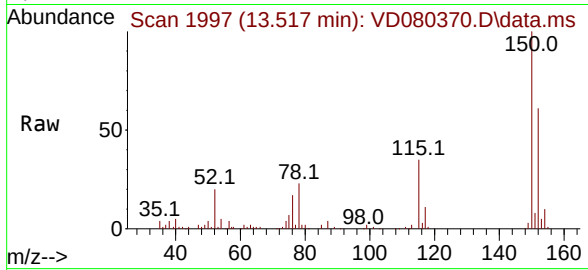




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080370.D
 Acq: 16 May 2025 14:40

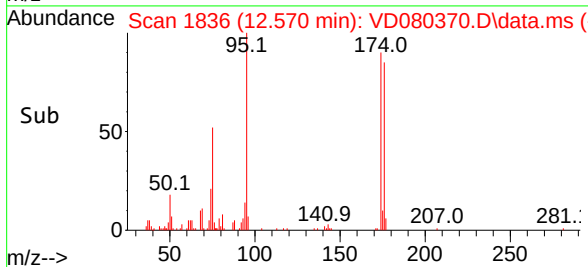
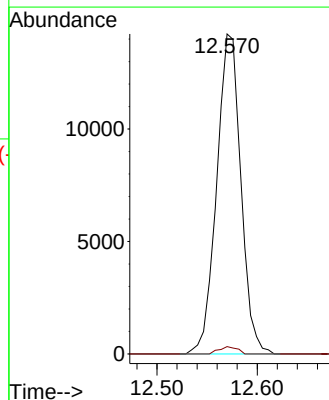
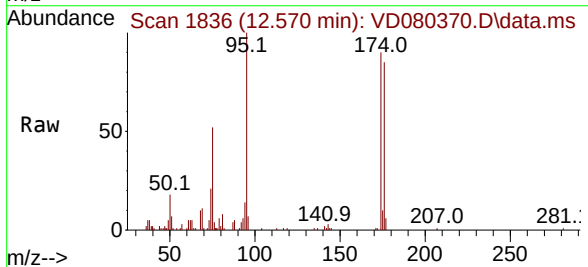
Instrument :
 MSVOA_D
 ClientSampleId :
 L2-WC-3-VOC

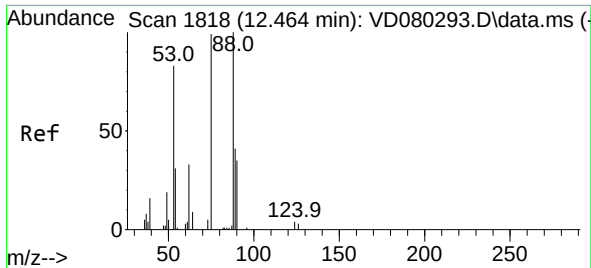
Tgt Ion:152 Resp: 52253
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.9 86.8
 150 160.2 0.0 354.8



#76
 1,2,3-Trichloropropane
 Concen: 47.261 ug/l
 RT: 12.570 min Scan# 1836
 Delta R.T. -0.152 min
 Lab File: VD080370.D
 Acq: 16 May 2025 14:40

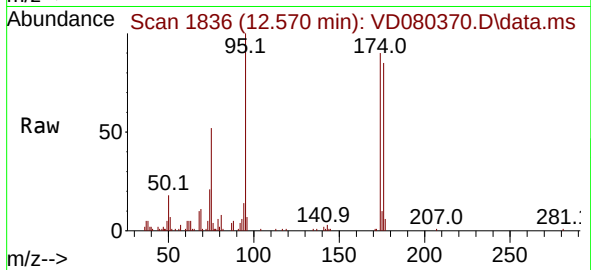
Tgt Ion: 75 Resp: 23834
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 89.709 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.101 min
Lab File: VD080370.D
Acq: 16 May 2025 14:40

Instrument :
MSVOA_D
ClientSampleId :
L2-WC-3-VOC



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	68.7	103.1#
89	0.0	36.1	54.1#

