

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
 Data File : VD080073.D
 Acq On : 18 Nov 2024 17:06
 Operator : RP/MD
 Sample : P4860-02
 Misc : 6.44G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:49:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 15 16:25:47 2024
 Response via : Initial Calibration

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

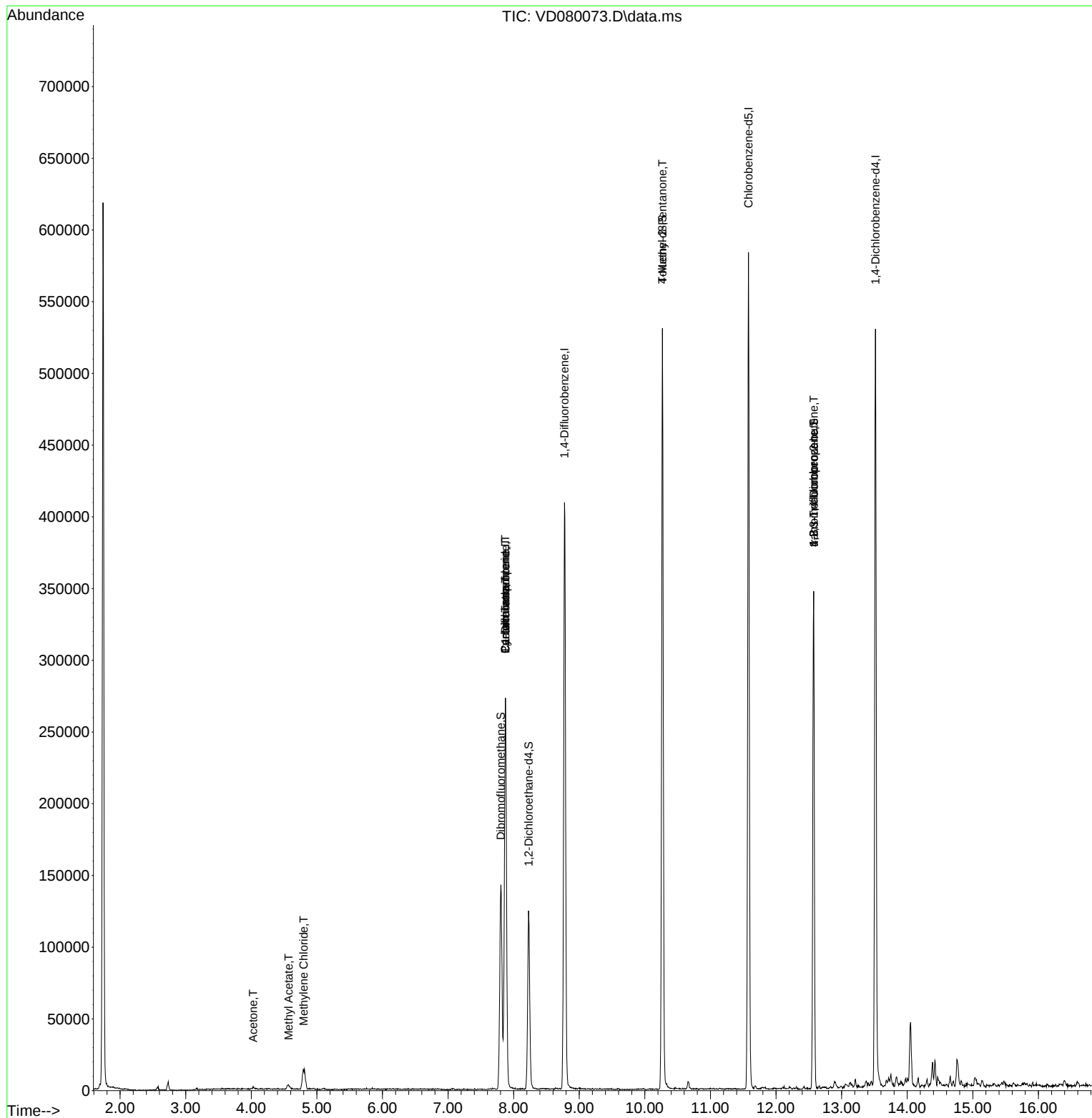
Internal Standards						
1) Pentafluorobenzene	7.875	168	219259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	366320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	329102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97508	43.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.380%
35) Dibromofluoromethane	7.804	113	102655	42.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.220%
50) Toluene-d8	10.269	98	362809	39.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.960%
62) 4-Bromofluorobenzene	12.575	95	107667	35.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.420%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	1700	3.471	ug/l #	82
18) Methyl Acetate	4.569	43	5483	5.047	ug/l	98
20) Methylene Chloride	4.799	84	11553	4.398	ug/l #	83
31) Cyclohexane	7.875	56	4452	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	16313	4.893	ug/l #	47
38) Carbon Tetrachloride	7.875	117	20647	5.669	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	1427	1.083	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	51247	39.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	51247	81.101	ug/l #	15

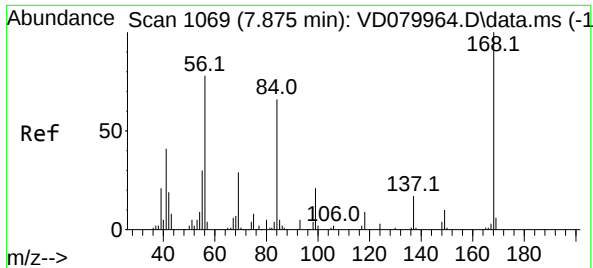
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

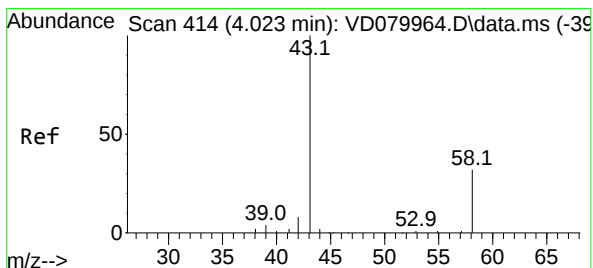
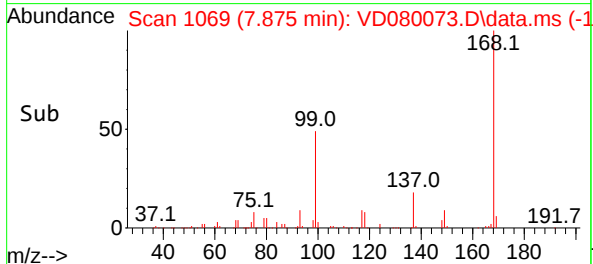
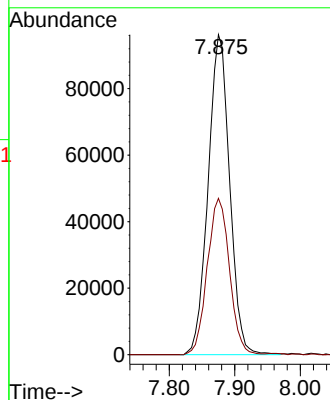
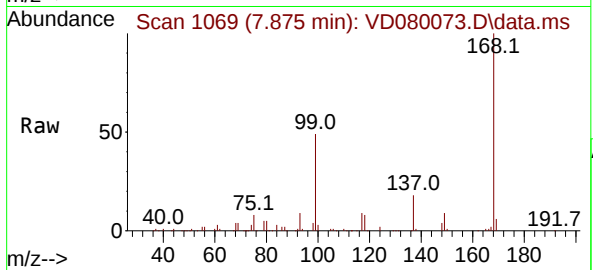




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

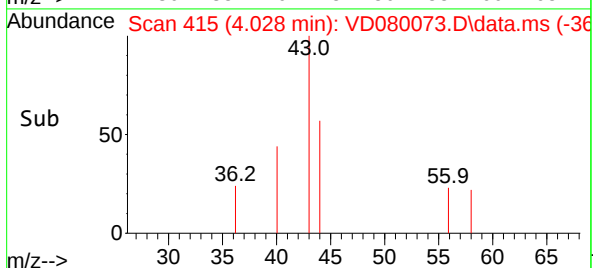
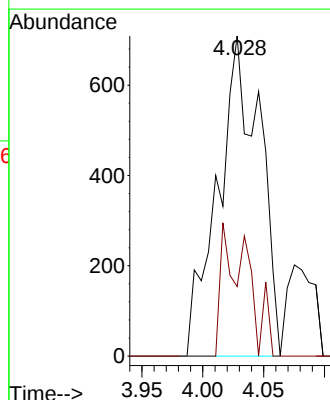
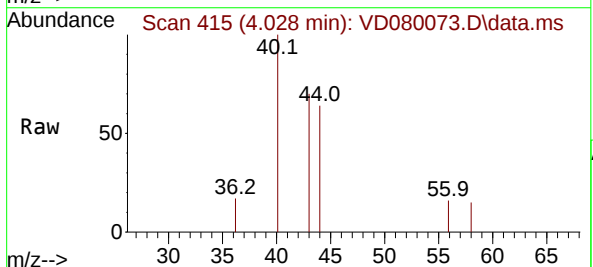
Instrument :
MSVOA_D
ClientSampleId :

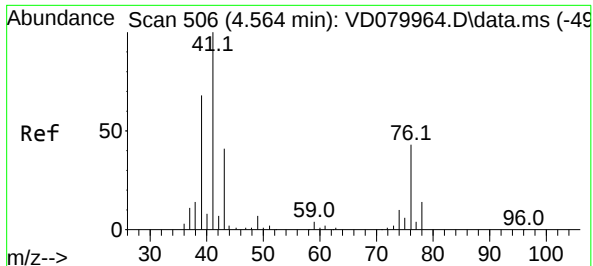
Tgt Ion:168 Resp: 219259
Ion Ratio Lower Upper
168 100
99 48.9 46.0 69.0



#16
Acetone
Concen: 3.471 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.005 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
58 21.7 25.4 38.2#

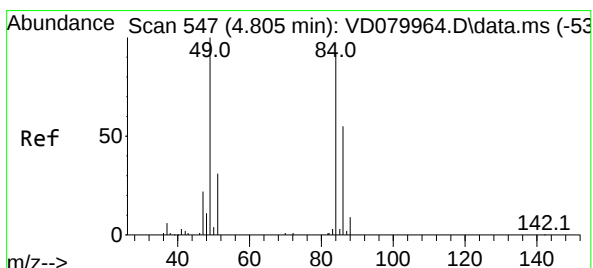
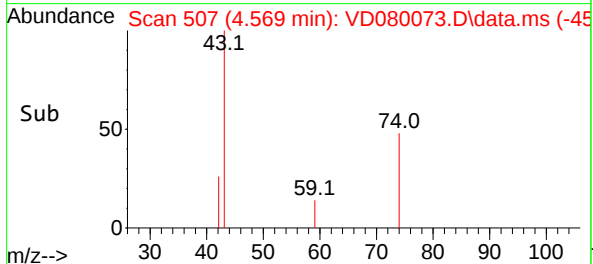
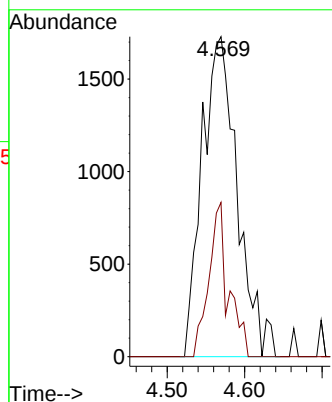
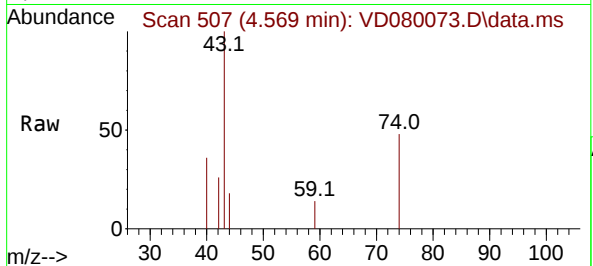




#18
Methyl Acetate
Concen: 5.047 ug/l
RT: 4.569 min Scan# 506
Delta R.T. 0.005 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

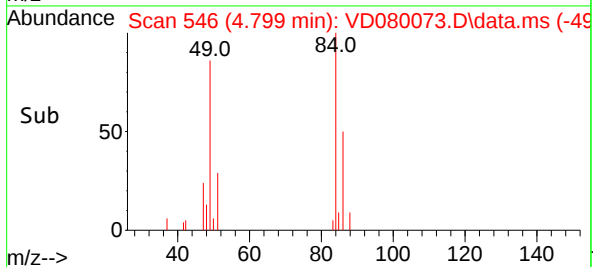
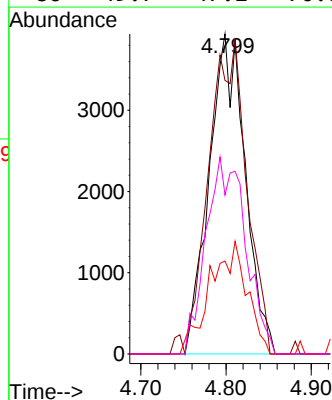
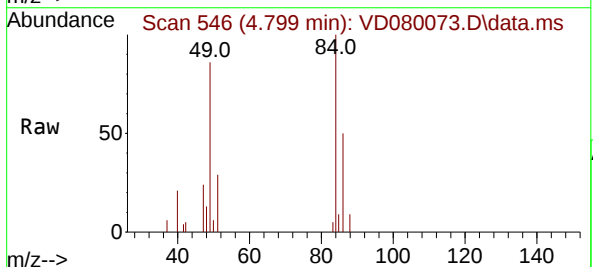
Instrument :
MSVOA_D
ClientSampleId :

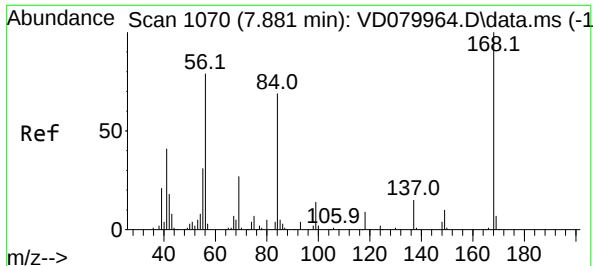
Tgt Ion: 43 Resp: 5483
Ion Ratio Lower Upper
43 100
74 26.4 20.5 30.7



#20
Methylene Chloride
Concen: 4.398 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 84 Resp: 11553
Ion Ratio Lower Upper
84 100
49 85.5 86.5 129.7#
51 29.0 26.9 40.3
86 49.7 47.2 70.8





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD080073.D

Acq: 18 Nov 2024 17:06

Instrument :

MSVOA_D

ClientSampleId :

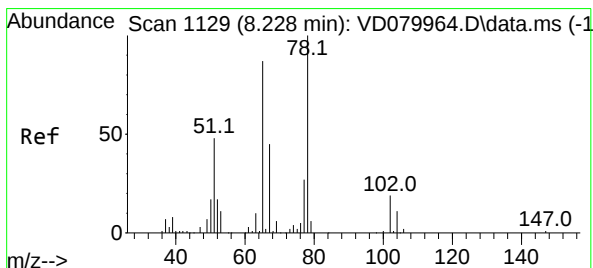
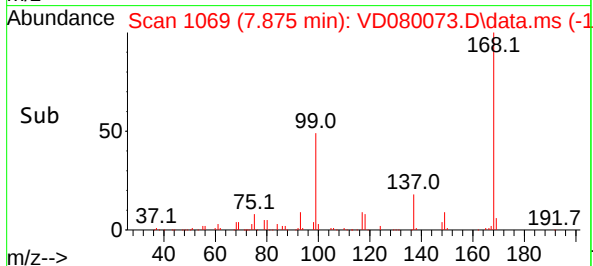
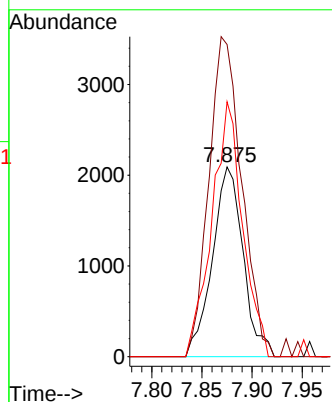
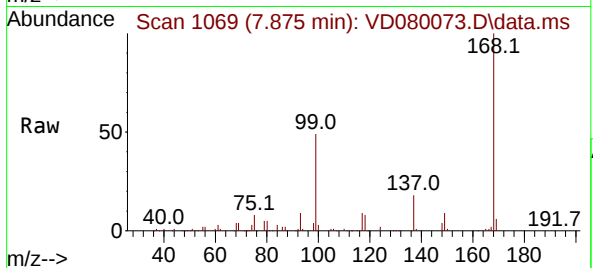
Tgt Ion: 56 Resp: 4452

Ion Ratio Lower Upper

56 100

69 164.5 27.3 40.9#

84 134.3 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 43.193 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD080073.D

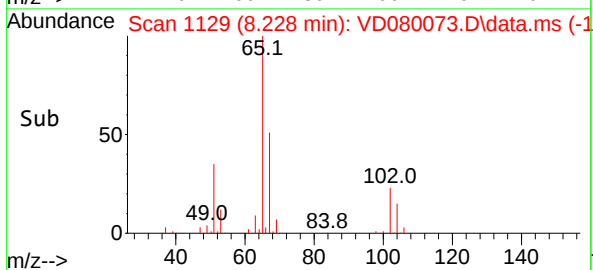
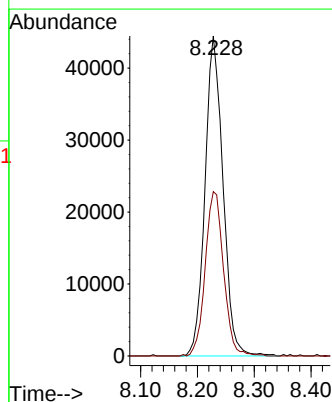
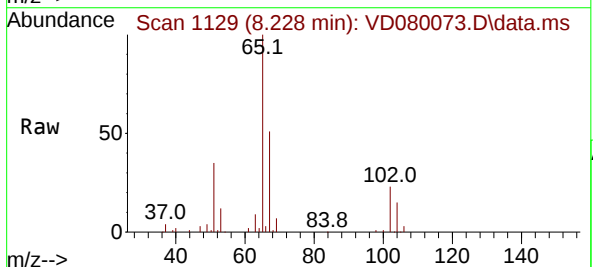
Acq: 18 Nov 2024 17:06

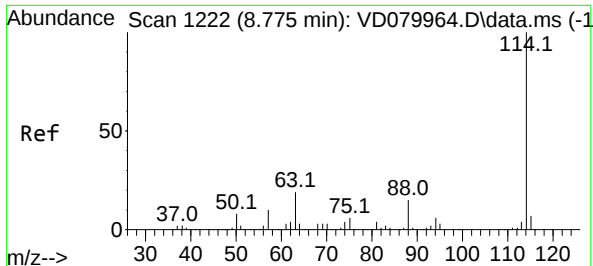
Tgt Ion: 65 Resp: 97508

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080073.D

Acq: 18 Nov 2024 17:06

Instrument :

MSVOA_D

ClientSampleId :

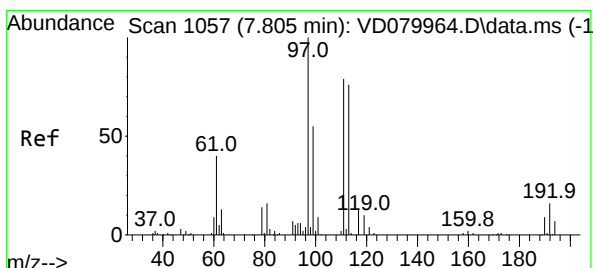
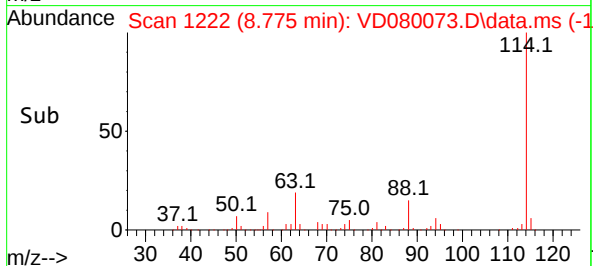
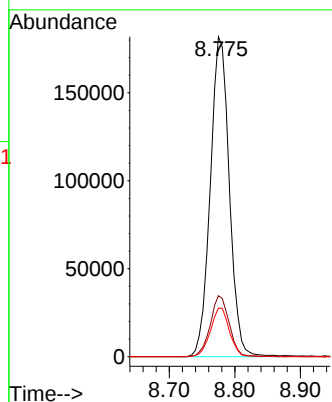
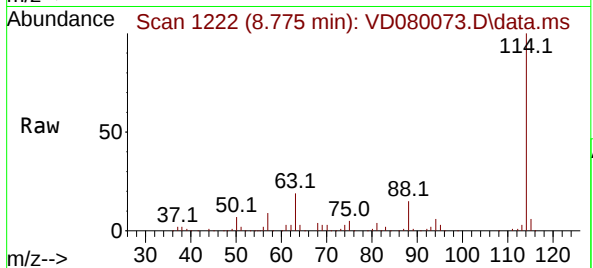
Tgt Ion:114 Resp: 366320

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 42.107 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD080073.D

Acq: 18 Nov 2024 17:06

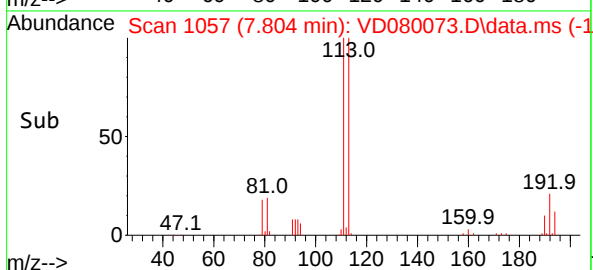
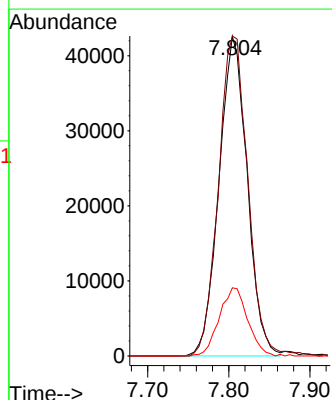
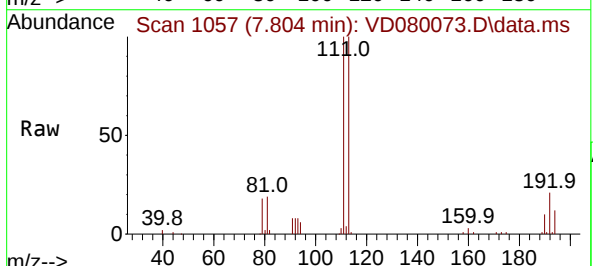
Tgt Ion:113 Resp: 102655

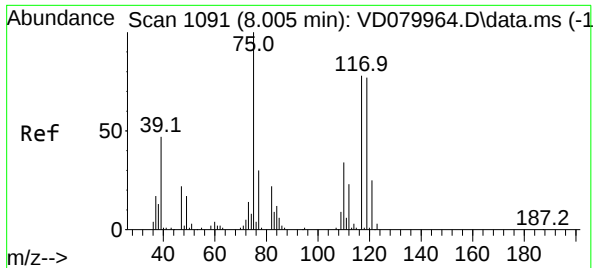
Ion Ratio Lower Upper

113 100

111 104.4 82.5 123.7

192 21.6 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD080073.D

Acq: 18 Nov 2024 17:06

Instrument :

MSVOA_D

ClientSampleId :

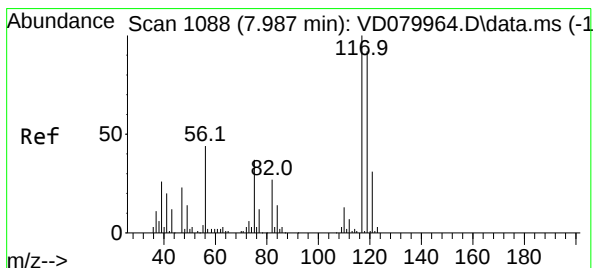
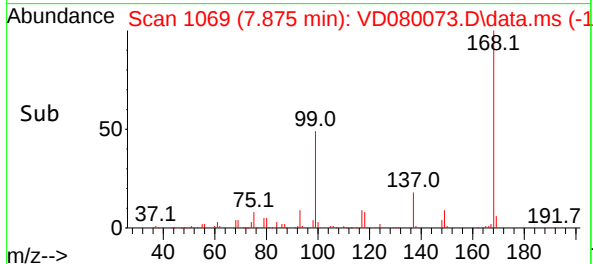
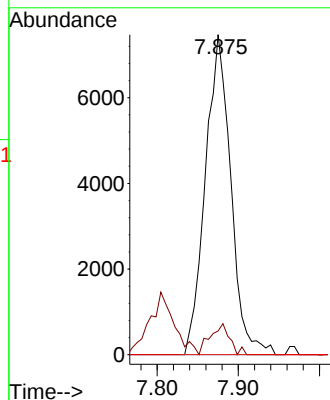
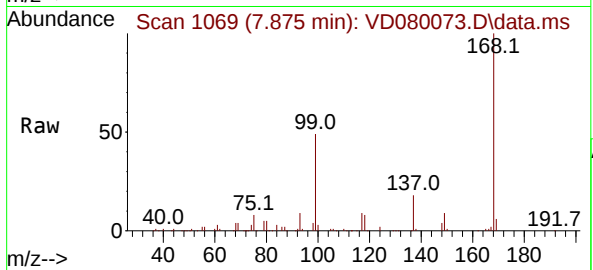
Tgt Ion: 75 Resp: 16313

Ion Ratio Lower Upper

75 100

110 7.5 18.4 55.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 5.669 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD080073.D

Acq: 18 Nov 2024 17:06

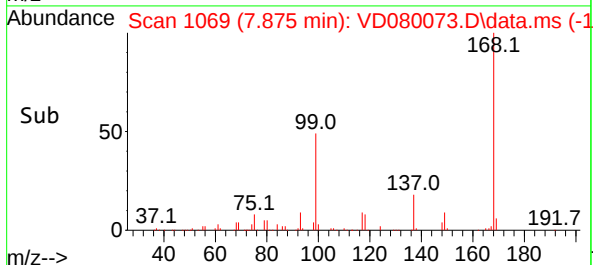
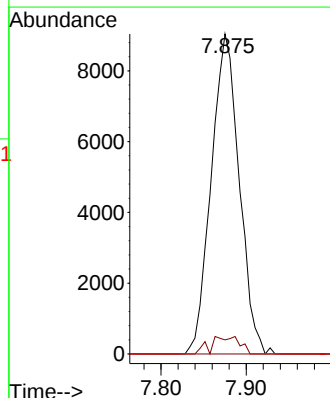
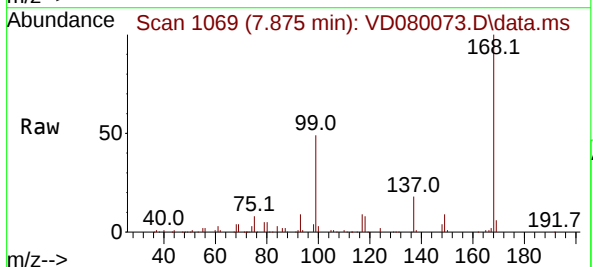
Tgt Ion: 117 Resp: 20647

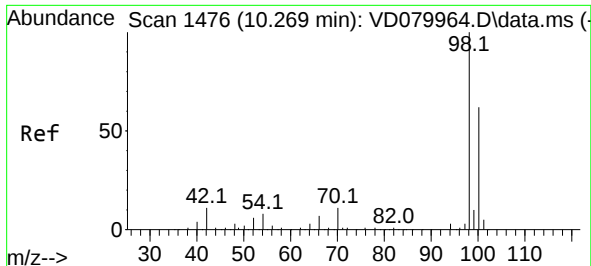
Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.0#

121 0.0 24.5 36.7#

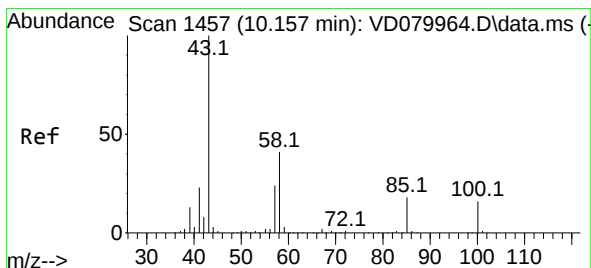
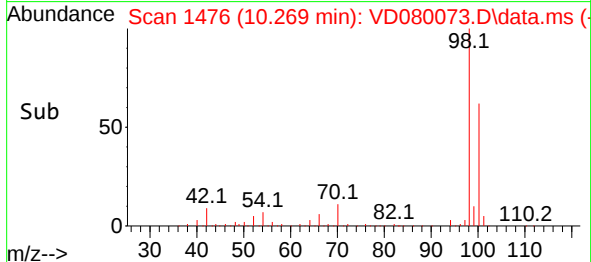
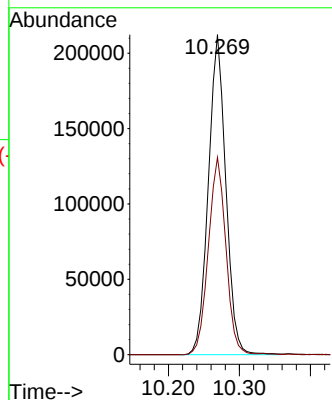
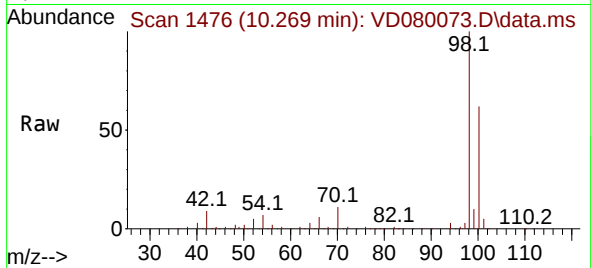




#50
Toluene-d8
Concen: 39.484 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

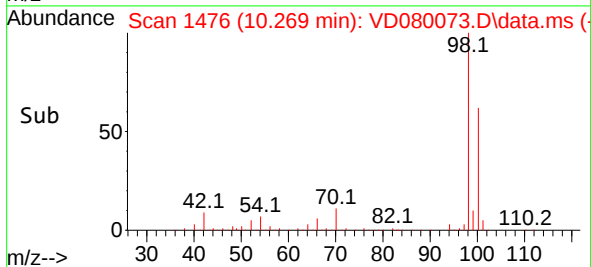
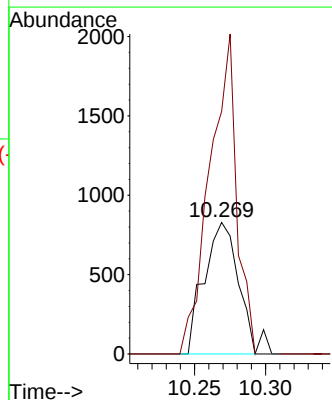
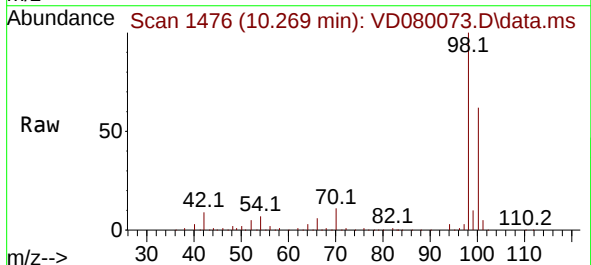
Instrument :
MSVOA_D
ClientSampleId :

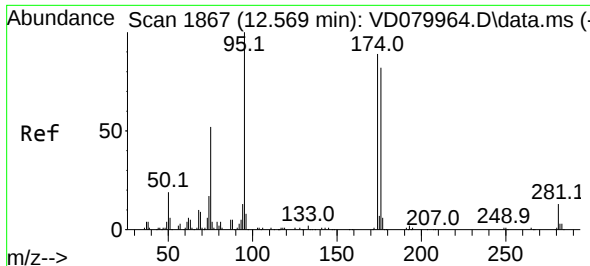
Tgt Ion: 98 Resp: 362809
Ion Ratio Lower Upper
98 100
100 62.2 50.2 75.4



#51
4-Methyl-2-Pentanone
Concen: 1.083 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
58 186.3 32.8 49.2#

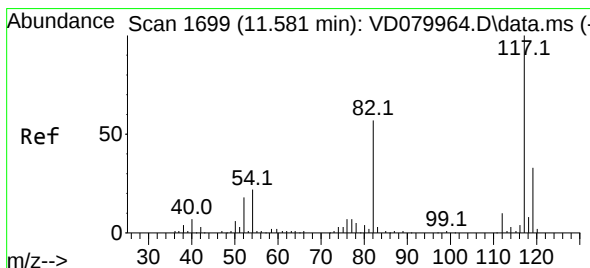
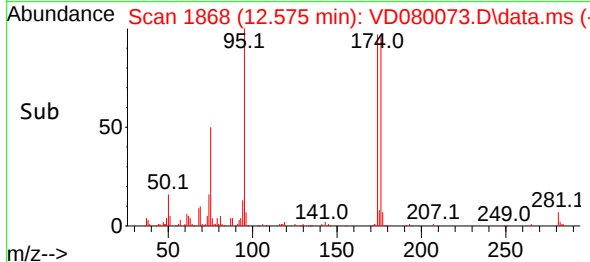
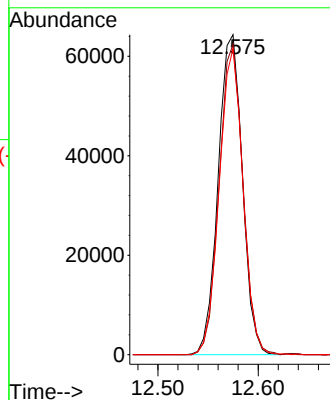
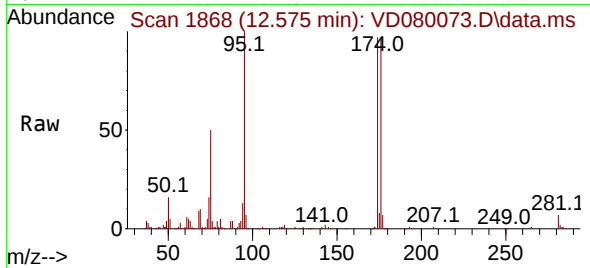




#62
4-Bromofluorobenzene
Concen: 35.714 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

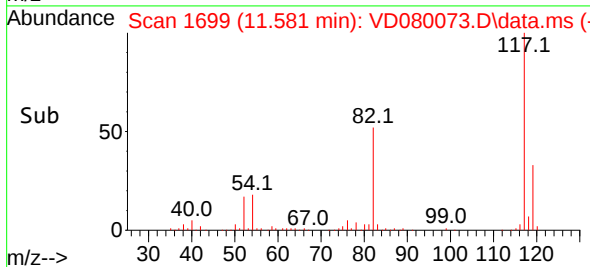
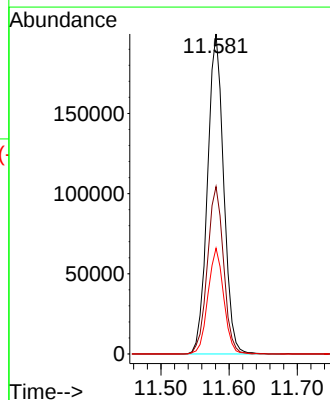
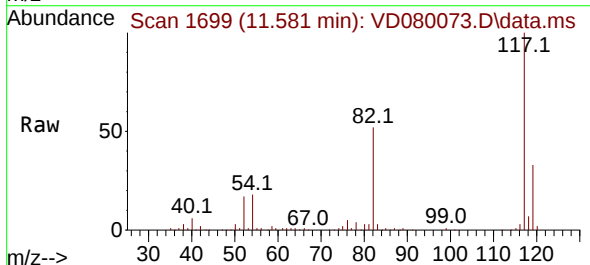
Instrument :
MSVOA_D
ClientSampleId :

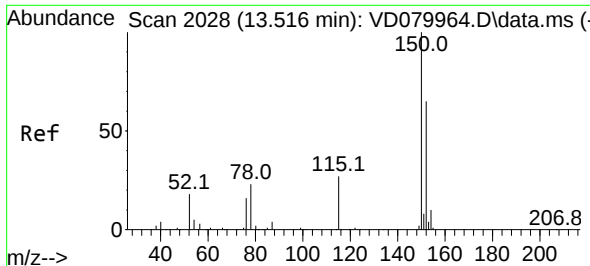
Tgt Ion: 95 Resp: 107667
Ion Ratio Lower Upper
95 100
174 95.6 0.0 173.4
176 93.6 0.0 166.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

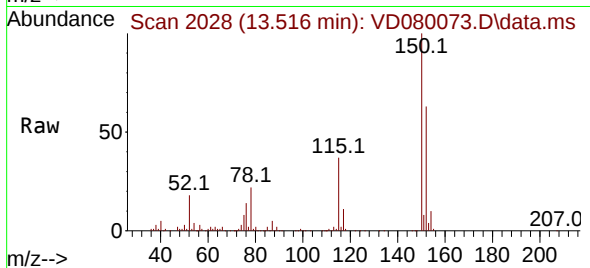
Tgt Ion: 117 Resp: 329102
Ion Ratio Lower Upper
117 100
82 52.3 45.8 68.6
119 33.1 26.2 39.2



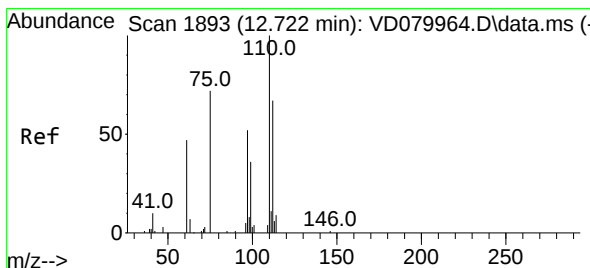
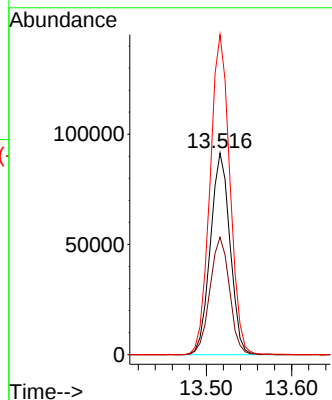
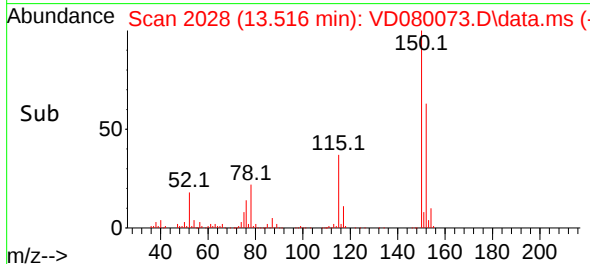


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :

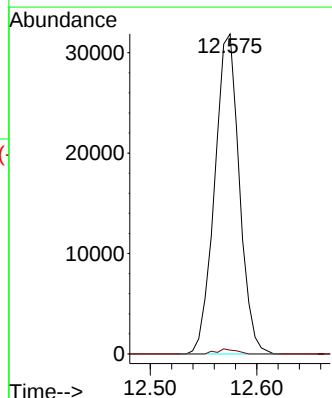
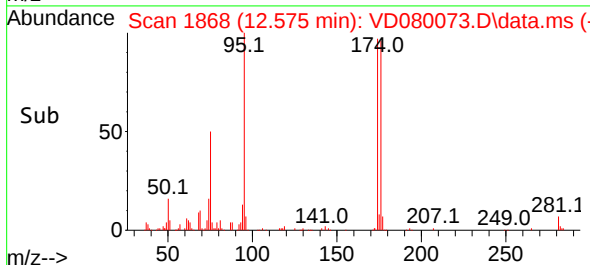
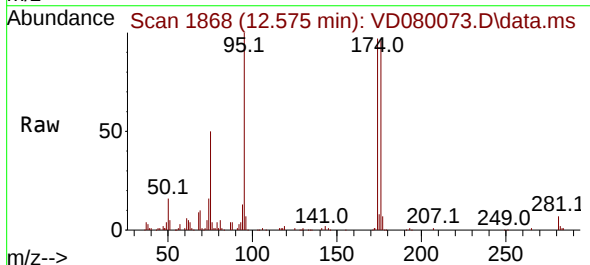


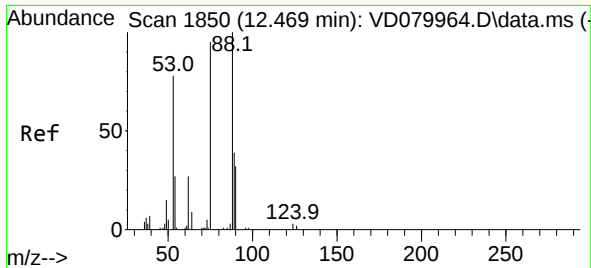
Tgt Ion:152 Resp: 146457
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 160.2 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 39.627 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

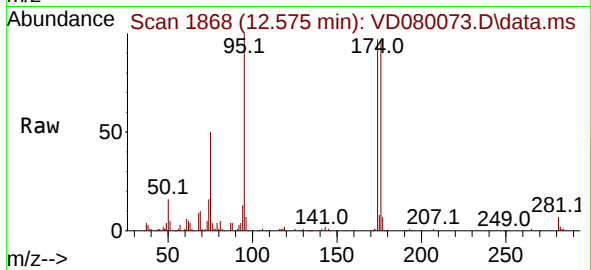
Tgt Ion: 75 Resp: 51247
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.101 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	51247
Ion	Ratio	Lower	Upper
75	100		
53	0.1	68.7	103.1#
89	0.0	36.1	54.1#

