

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077003.D
 Acq On : 14 Aug 2023 16:10
 Operator : JC/SY
 Sample : 03977-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Aug 15 04:48:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

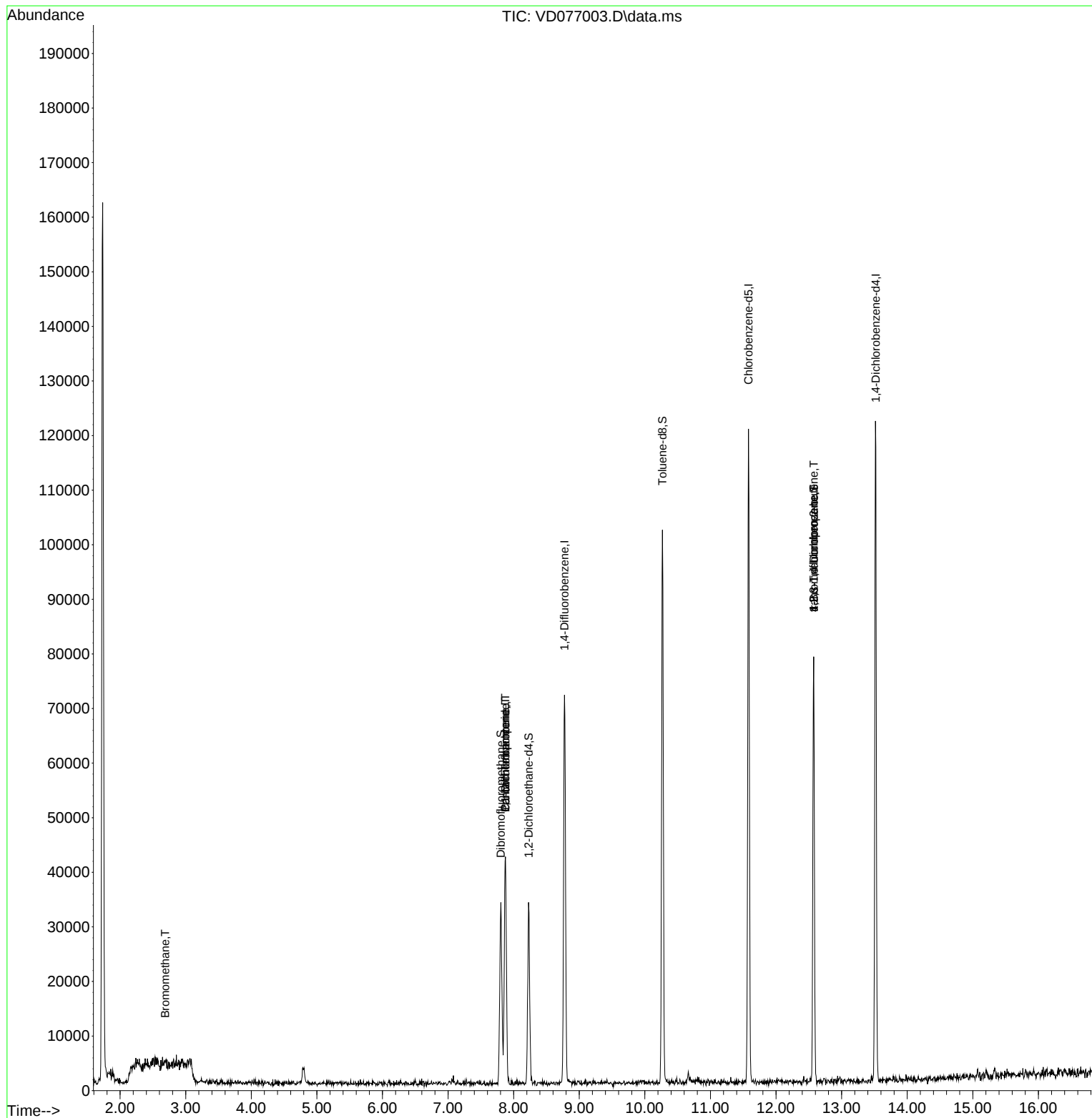
Internal Standards						
1) Pentafluorobenzene	7.875	168	33989	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	66165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	73015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	33438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	24080	89.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.620%#	
35) Dibromofluoromethane	7.804	113	23389	65.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.500%	
50) Toluene-d8	10.269	98	74429	65.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 130.300%	
62) 4-Bromofluorobenzene	12.575	95	24091	60.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 120.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	661	1.720	ug/l	# 78
13) Acrolein	4.046	56	56	Below Cal	#	15
20) Methylene Chloride	4.787	84	1120	Below Cal	#	74
31) Cyclohexane	7.875	56	513	Below Cal	#	84
36) 1,1-Dichloropropene	7.875	75	2583	5.872	ug/l	# 45
38) Carbon Tetrachloride	7.875	117	3389	7.199	ug/l	# 11
76) 1,2,3-Trichloropropane	12.575	75	12104	38.587	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	12104	90.657	ug/l	# 17

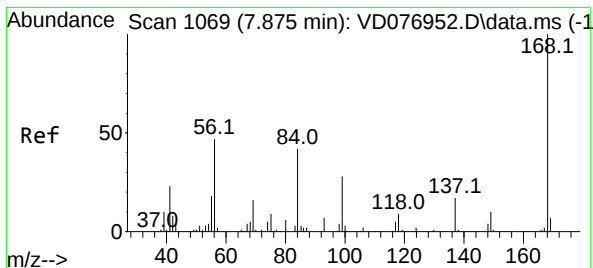
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

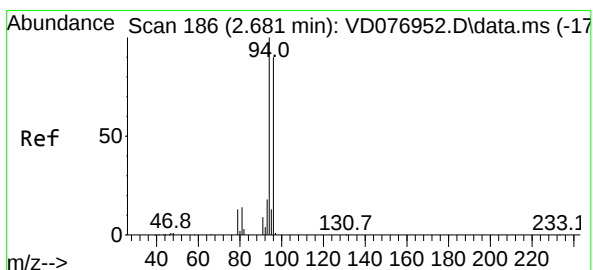
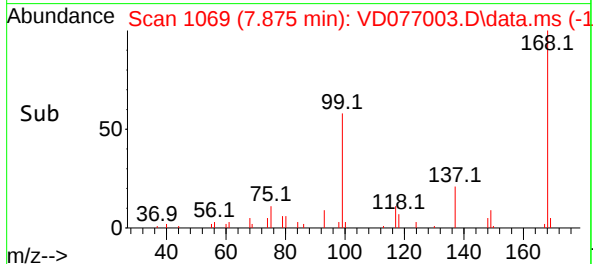
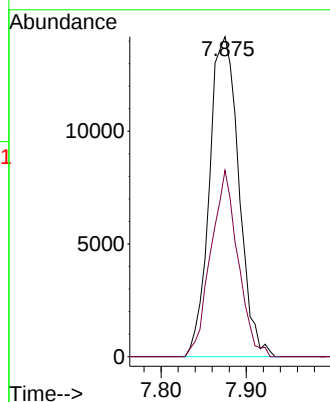
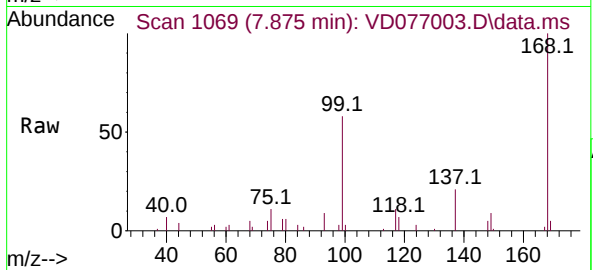
VOC

Tgt Ion:168 Resp: 33989

Ion Ratio Lower Upper

168 100

99 58.2 36.7 55.1#



#5

Bromomethane

Concen: 1.720 ug/l

RT: 2.687 min Scan# 187

Delta R.T. 0.006 min

Lab File: VD077003.D

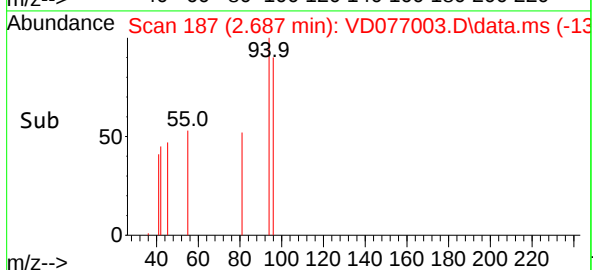
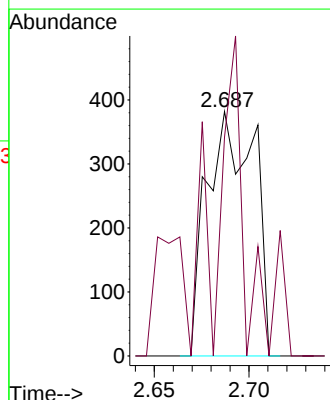
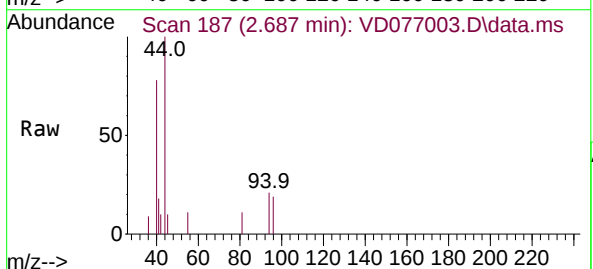
Acq: 14 Aug 2023 16:10

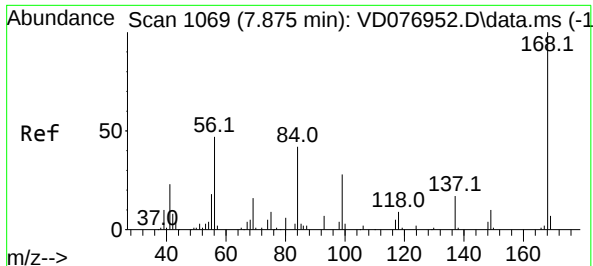
Tgt Ion: 94 Resp: 661

Ion Ratio Lower Upper

94 100

96 73.7 75.8 113.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

VOC

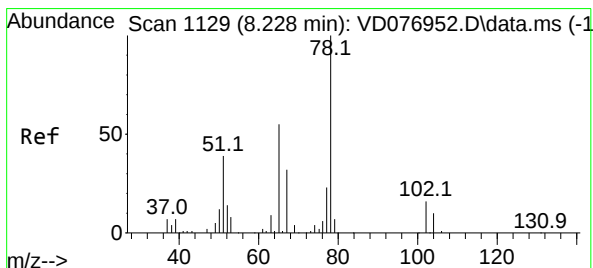
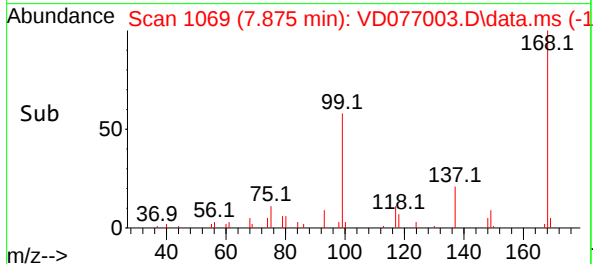
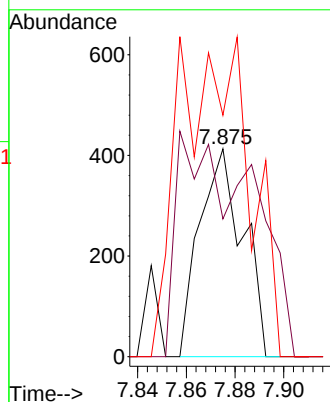
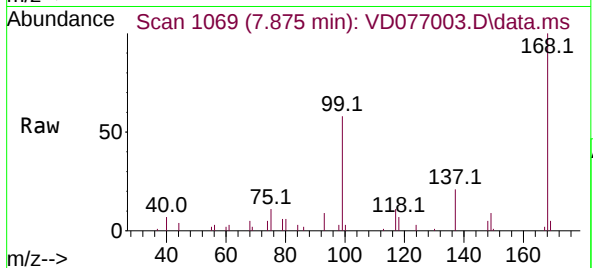
Tgt Ion: 56 Resp: 513

Ion Ratio Lower Upper

56 100

69 16.5 28.6 43.0#

84 116.2 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 89.809 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077003.D

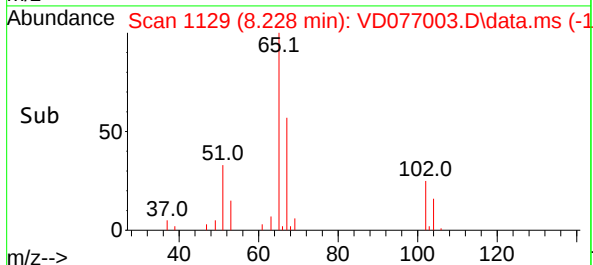
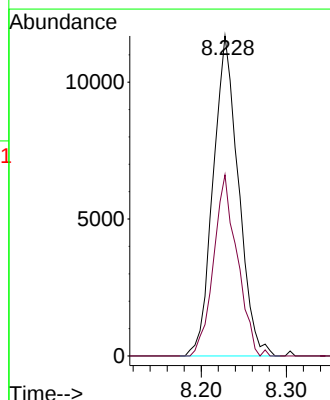
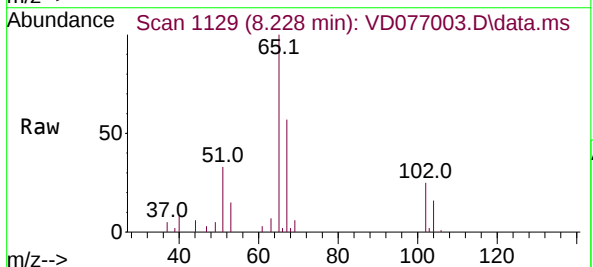
Acq: 14 Aug 2023 16:10

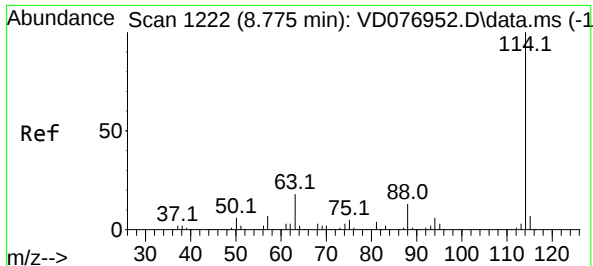
Tgt Ion: 65 Resp: 24080

Ion Ratio Lower Upper

65 100

67 53.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

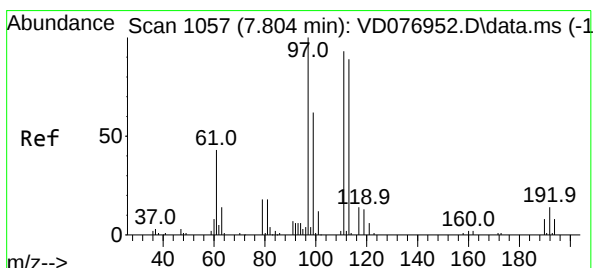
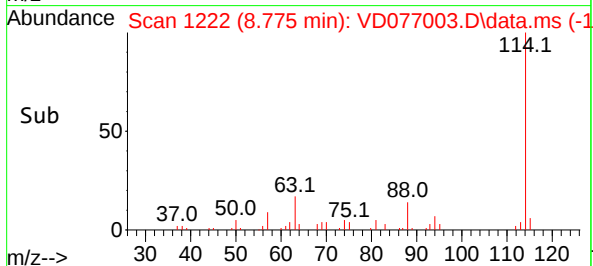
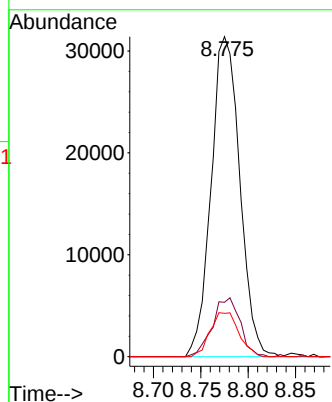
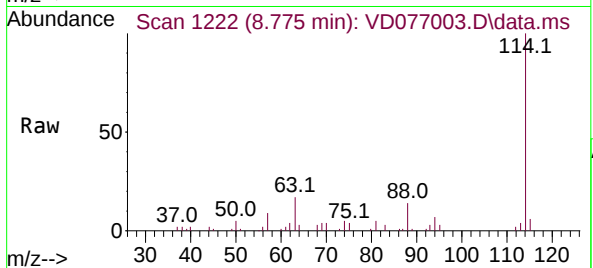
Instrument :

MSVOA_D

ClientSampleId :

VOC

Tgt Ion:114	Resp:	66165
Ion Ratio	Lower	Upper
114	100	
63	17.0	0.0 33.4
88	13.5	0.0 26.2



#35

Dibromofluoromethane

Concen: 65.753 ug/l

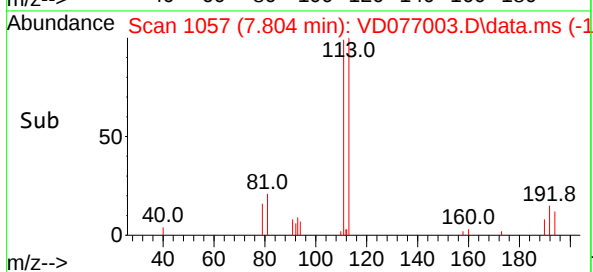
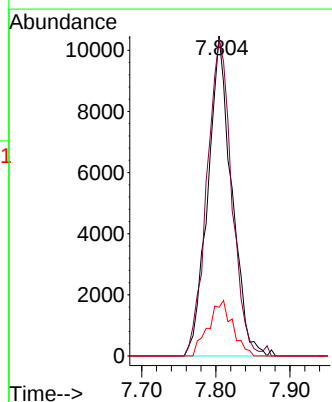
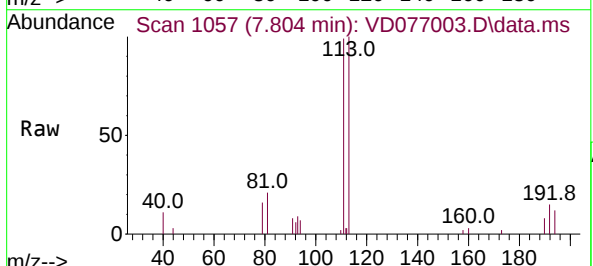
RT: 7.804 min Scan# 1057

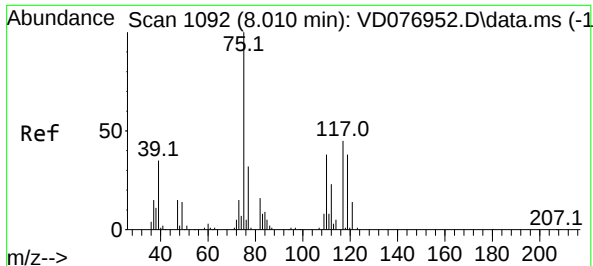
Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

Tgt Ion:113	Resp:	23389
Ion Ratio	Lower	Upper
113	100	
111	103.7	84.7 127.1
192	17.6	16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.872 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

VOC

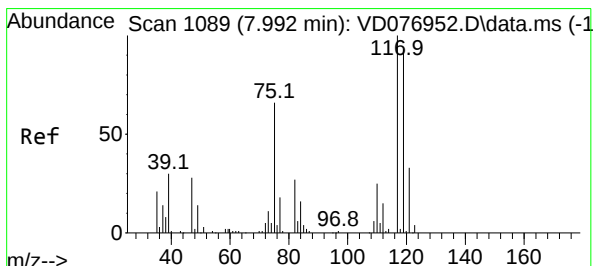
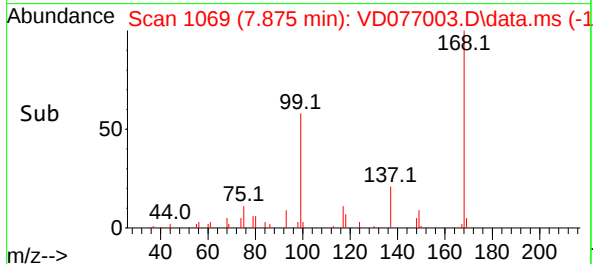
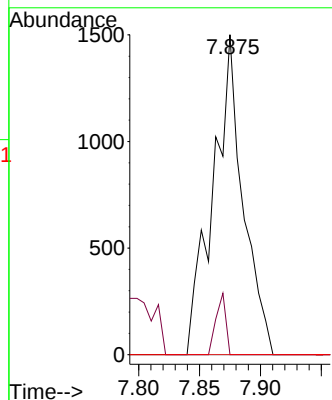
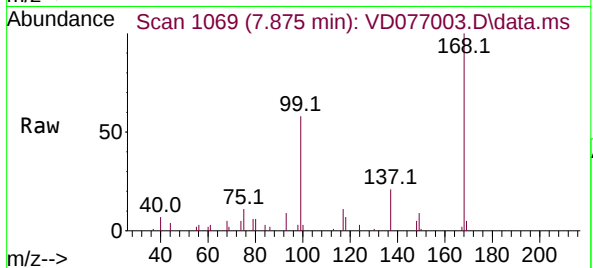
Tgt Ion: 75 Resp: 2583

Ion Ratio Lower Upper

75 100

110 6.2 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.199 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

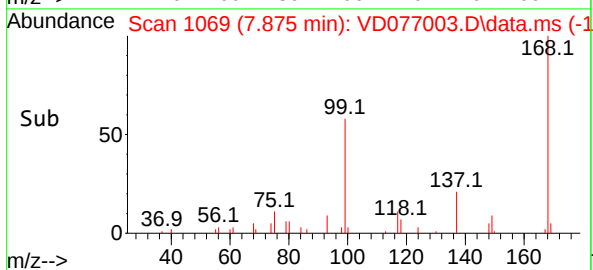
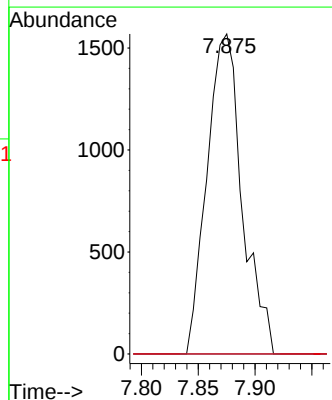
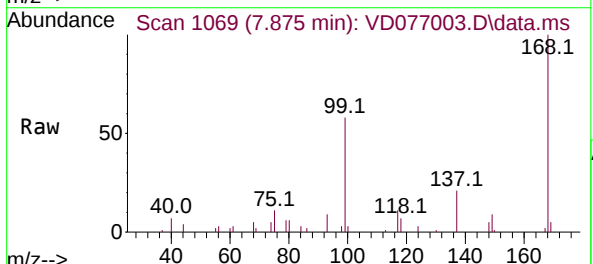
Tgt Ion: 117 Resp: 3389

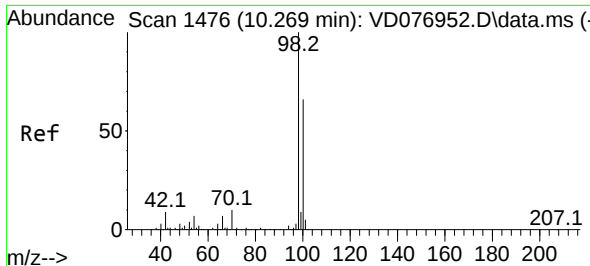
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

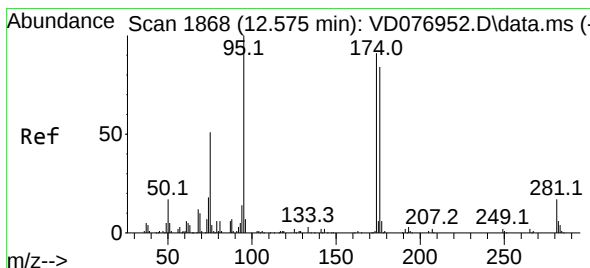
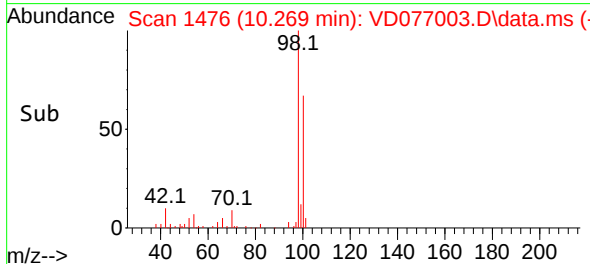
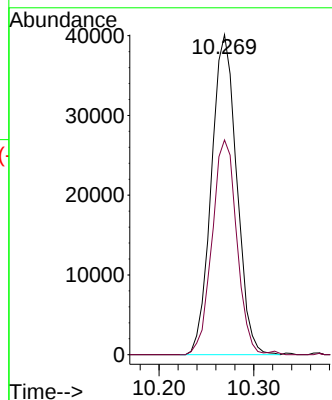
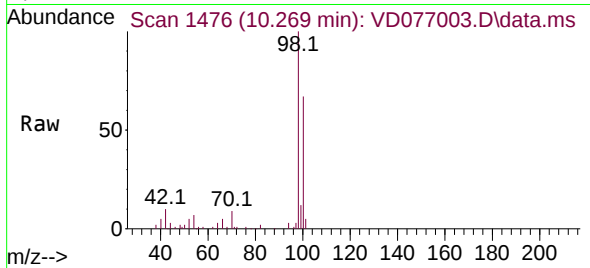




#50
Toluene-d8
Concen: 65.145 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

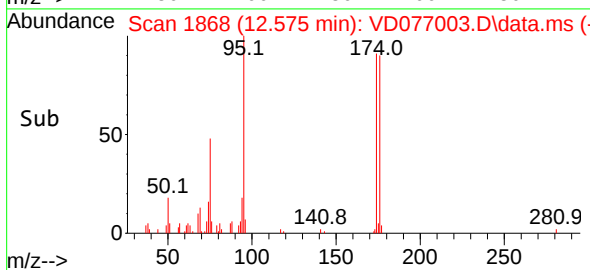
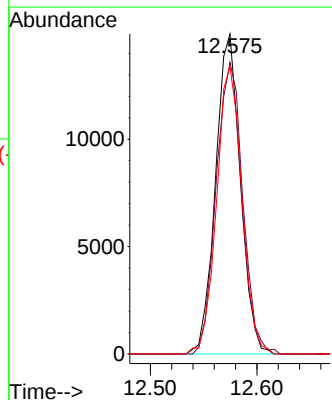
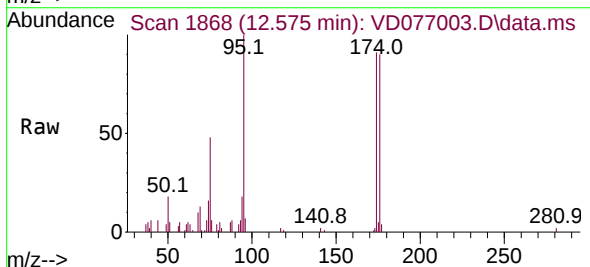
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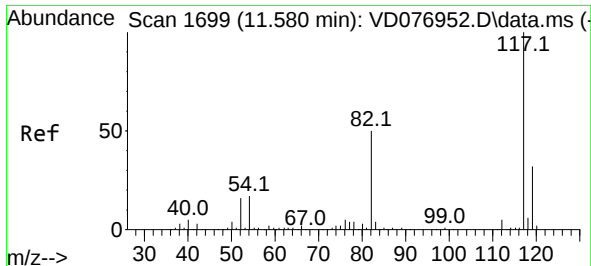
Tgt Ion: 98 Resp: 74429
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 60.317 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion: 95 Resp: 24091
Ion Ratio Lower Upper
95 100
174 97.2 0.0 201.8
176 91.3 0.0 191.8

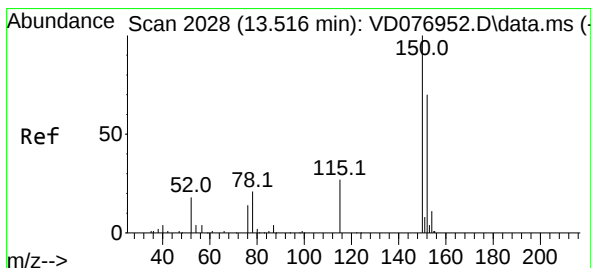
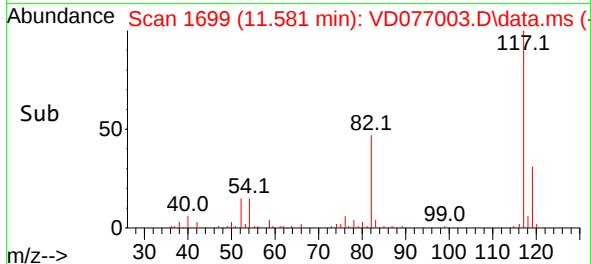
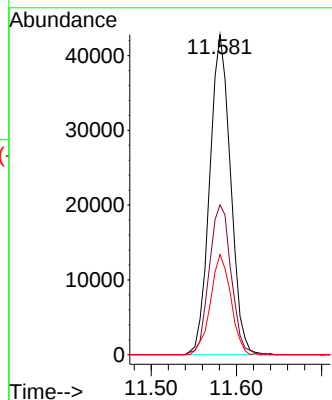
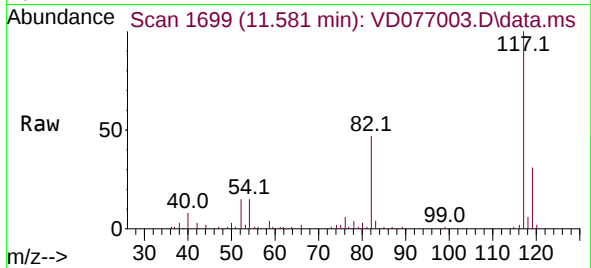




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

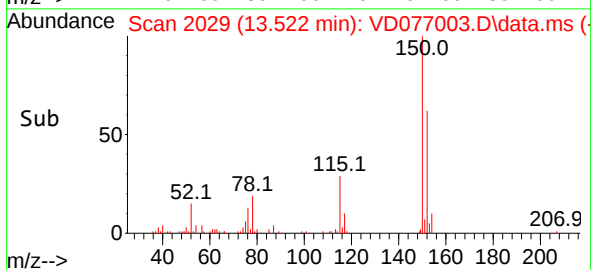
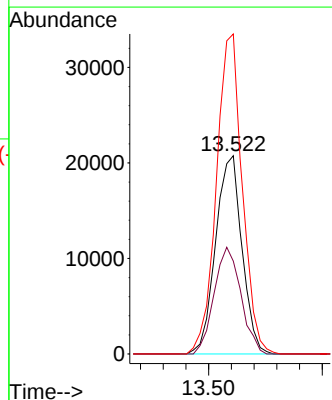
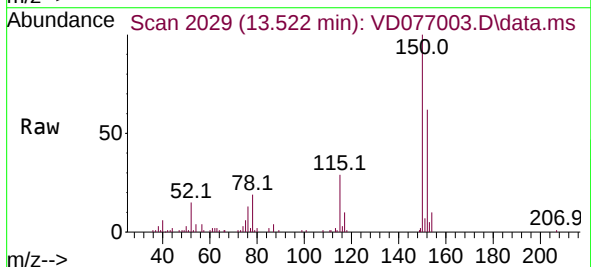
Instrument :
MSVOA_D
ClientSampleId :
VOC

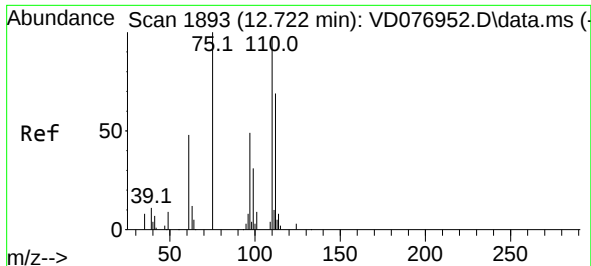
Tgt Ion:117 Resp: 73015
Ion Ratio Lower Upper
117 100
82 46.9 38.3 57.5
119 31.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion:152 Resp: 33438
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.3
150 158.6 0.0 353.6

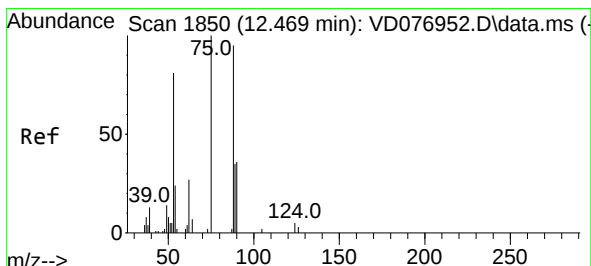
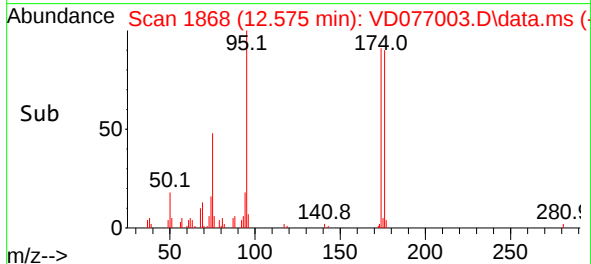
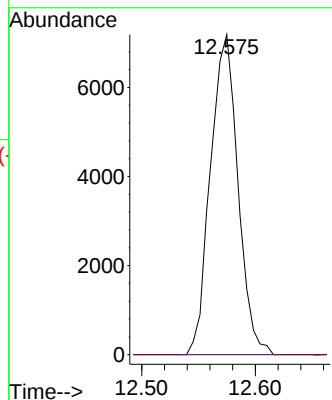
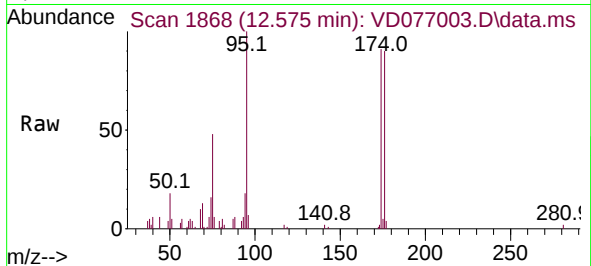




#76
1,2,3-Trichloropropane
Concen: 38.587 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 12104
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 90.657 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion: 75 Resp: 12104
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

