

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076878.D
 Acq On : 31 Jul 2023 16:56
 Operator : KP/SY
 Sample : 03848-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-073123

Quant Time: Aug 01 02:12:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

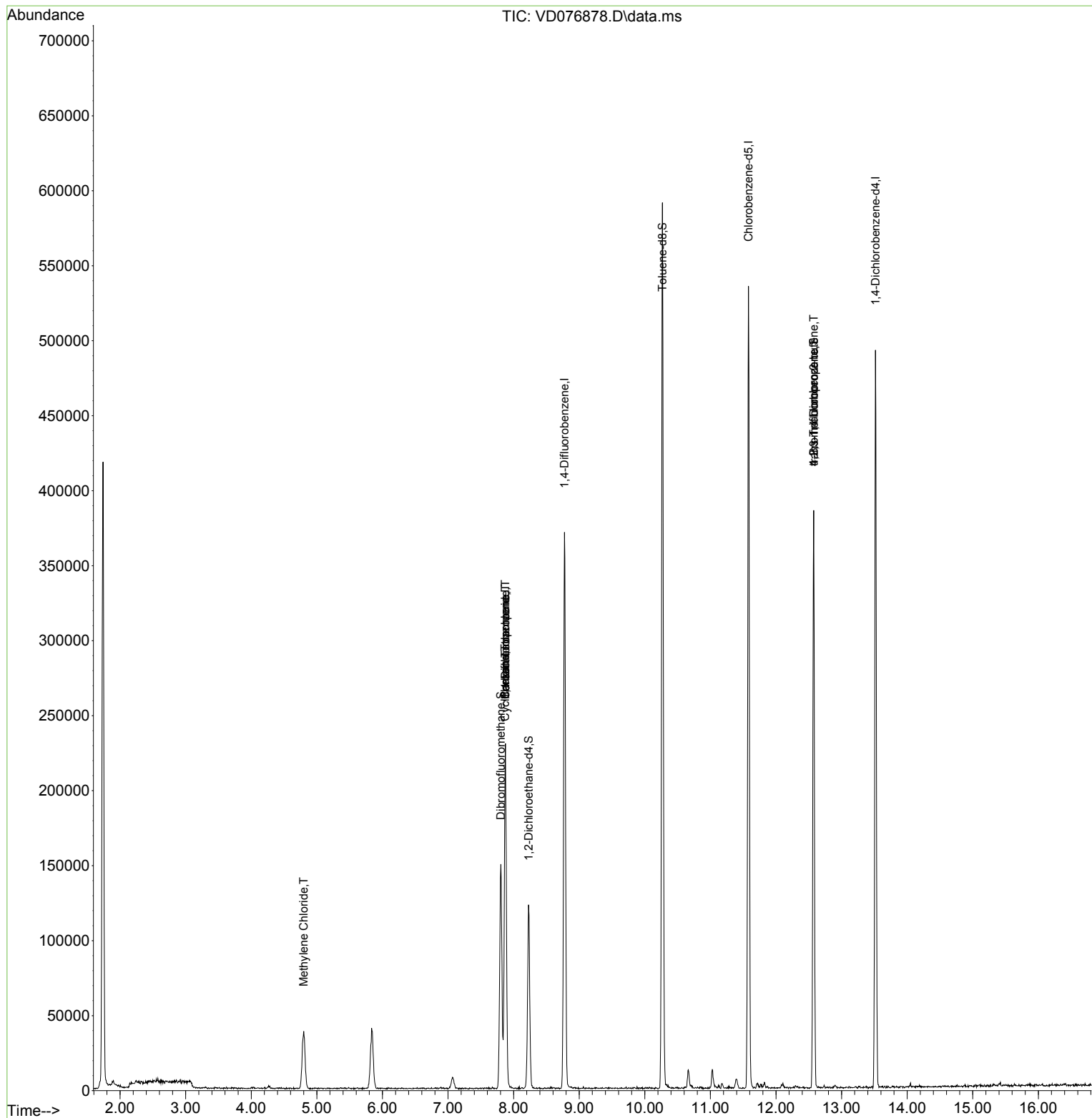
Internal Standards						
1) Pentafluorobenzene	7.875	168	172751	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	343102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	317469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92882	53.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.960%	
35) Dibromofluoromethane	7.805	113	111041	51.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.269	98	413787	53.647	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.300%	
62) 4-Bromofluorobenzene	12.575	95	117424	47.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	29862	2.399	ug/l	# 86
31) Cyclohexane	7.869	56	4494	1.775	ug/l	# 57
36) 1,1-Dichloropropene	7.875	75	14285	5.070	ug/l	# 42
38) Carbon Tetrachloride	7.875	117	17402	6.451	ug/l	# 17
76) 1,2,3-Trichloropropane	12.575	75	61477	50.437	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	61477	107.343	ug/l	# 17

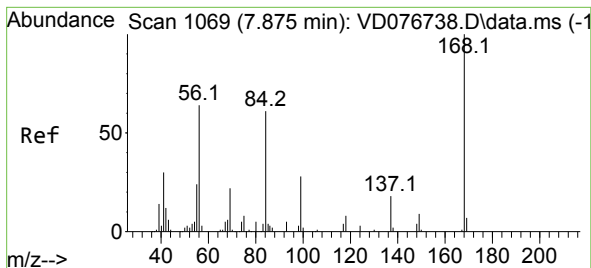
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
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: VD076878.D

Acq: 31 Jul 2023 16:56

Instrument :

MSVOA_D

ClientSampleId :

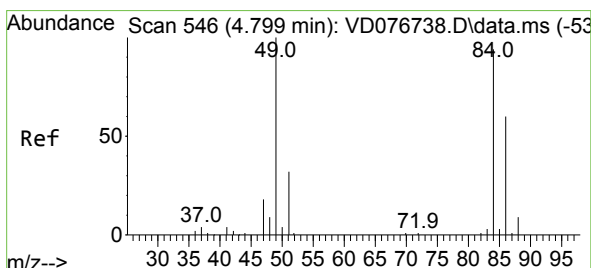
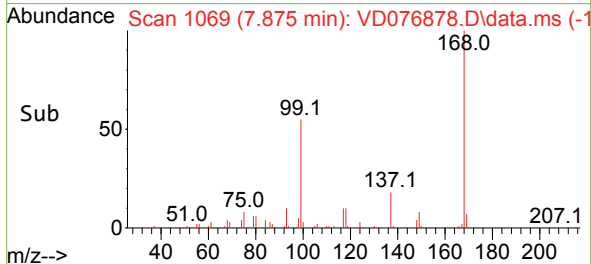
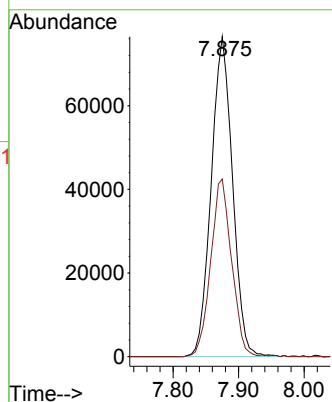
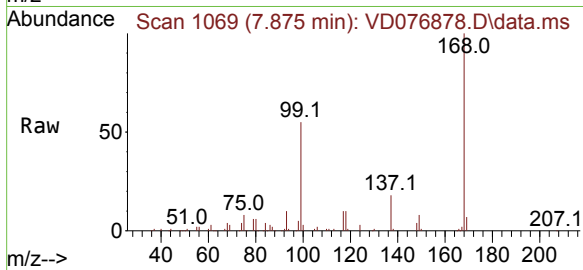
SU-02-073123

Tgt Ion:168 Resp: 172751

Ion Ratio Lower Upper

168 100

99 55.5 36.7 55.1#



#20

Methylene Chloride

Concen: 2.399 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

Tgt Ion: 84 Resp: 29862

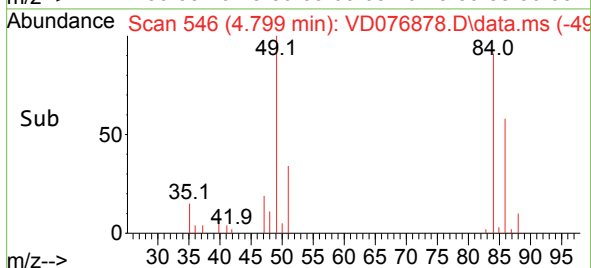
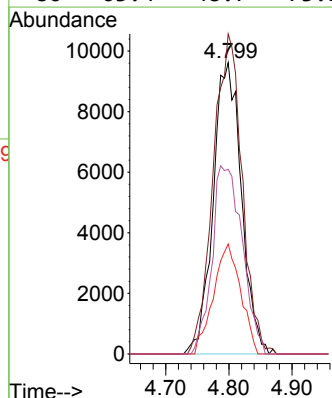
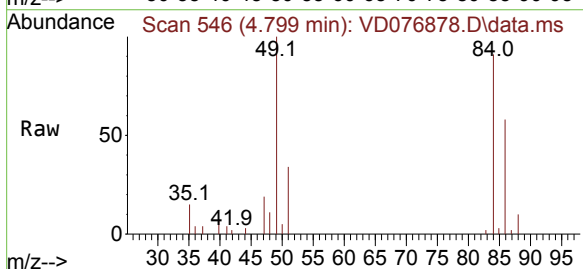
Ion Ratio Lower Upper

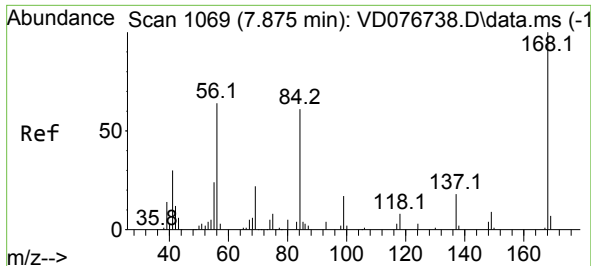
84 100

49 109.8 71.4 107.2#

51 37.7 24.5 36.7#

86 63.4 48.7 73.1

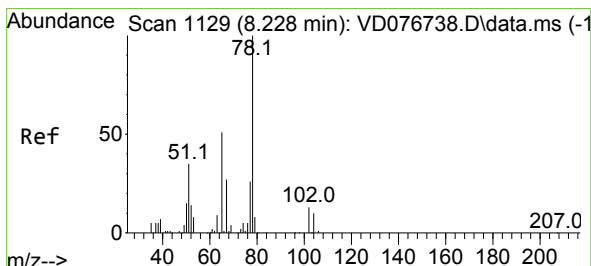
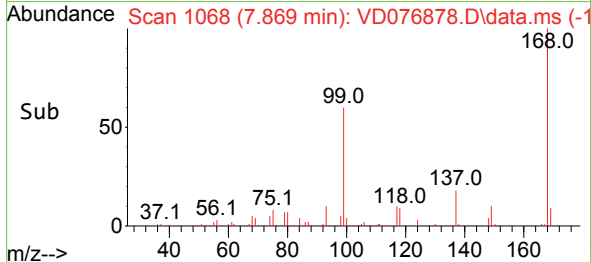
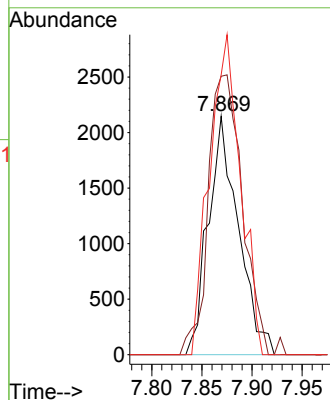
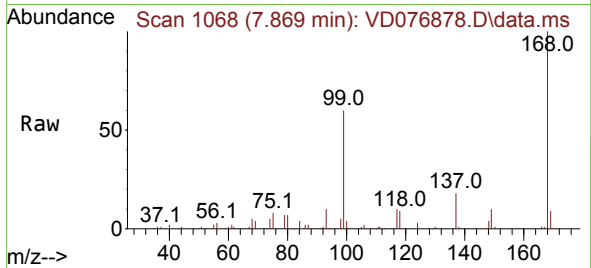




#31
Cyclohexane
Concen: 1.775 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

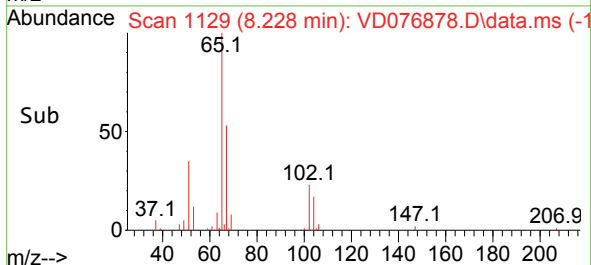
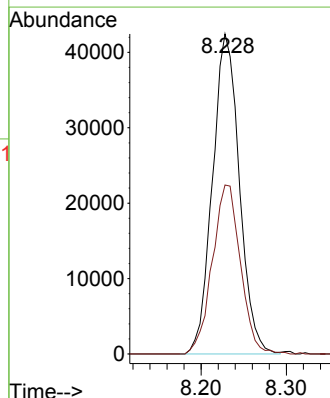
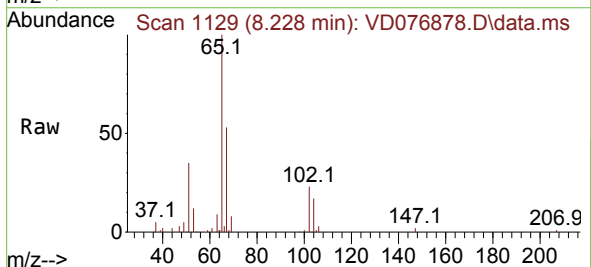
Instrument :
MSVOA_D
ClientSampleId :
SU-02-073123

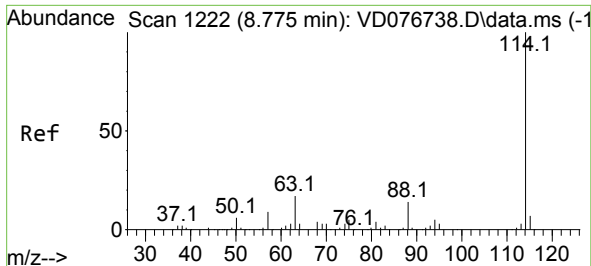
Tgt Ion: 56 Resp: 4494
Ion Ratio Lower Upper
56 100
69 116.8 28.6 43.0#
84 117.4 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 53.981 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

Tgt Ion: 65 Resp: 92882
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-073123

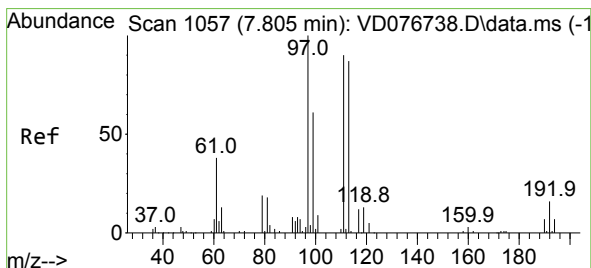
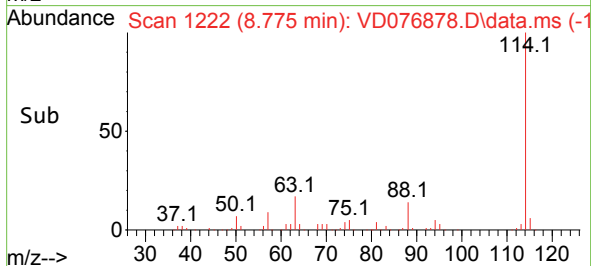
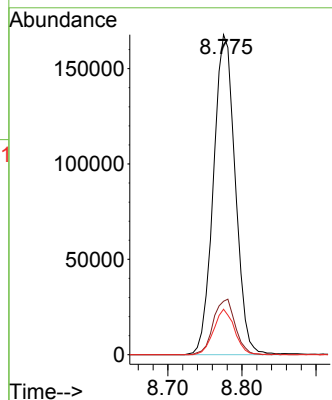
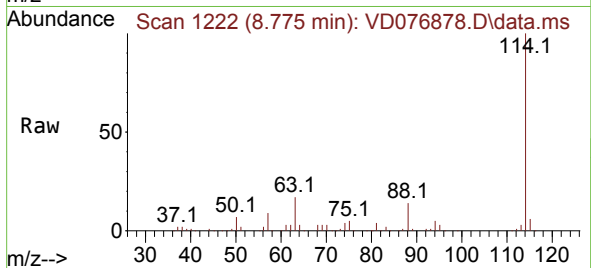
Tgt Ion:114 Resp: 343102

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.501 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

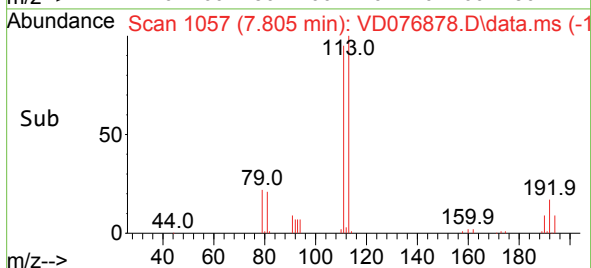
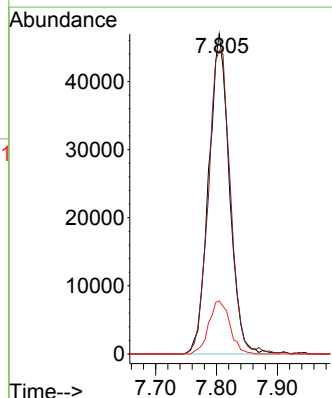
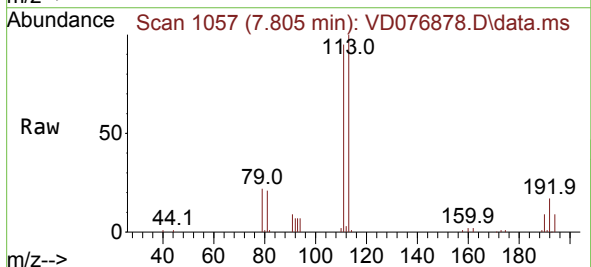
Tgt Ion:113 Resp: 111041

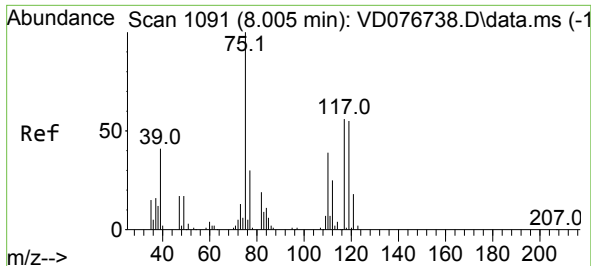
Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 16.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-073123

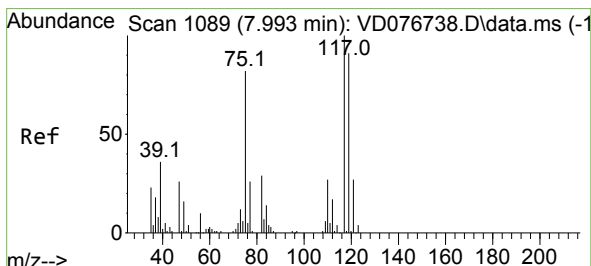
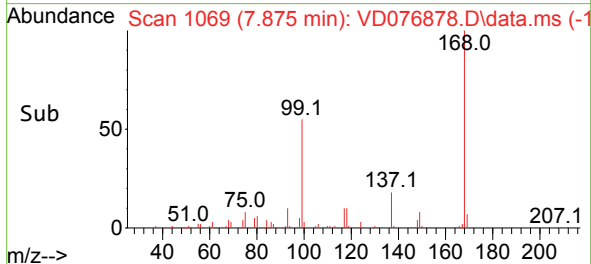
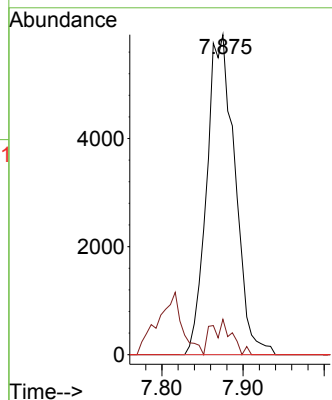
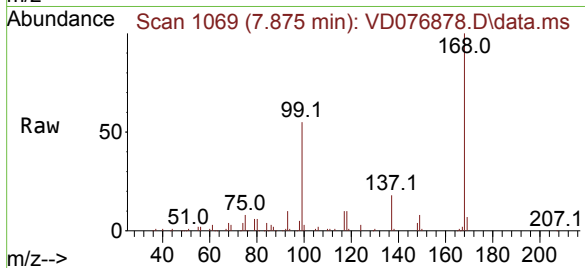
Tgt Ion: 75 Resp: 14285

Ion Ratio Lower Upper

75 100

110 3.4 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.451 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

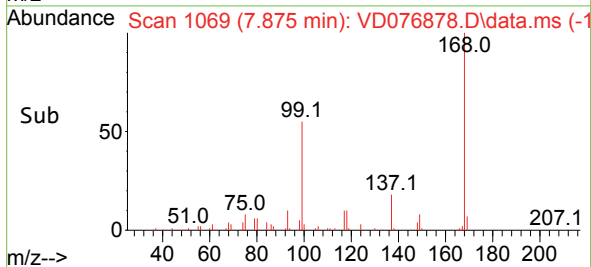
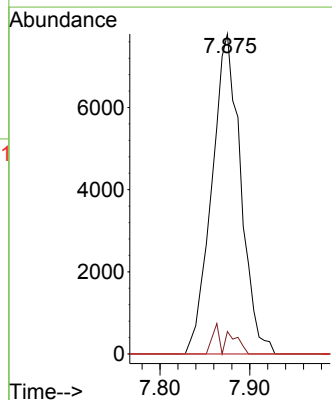
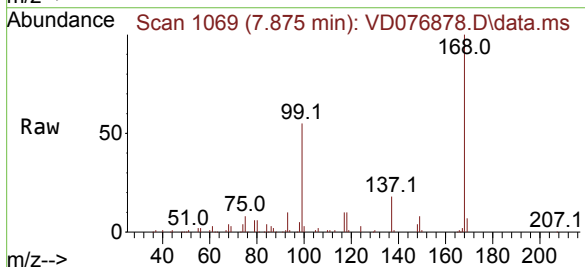
Tgt Ion: 117 Resp: 17402

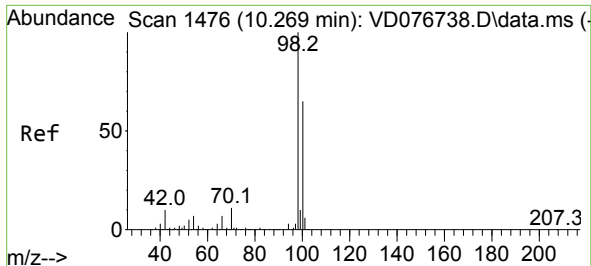
Ion Ratio Lower Upper

117 100

119 7.0 78.0 117.0#

121 0.0 24.2 36.2#

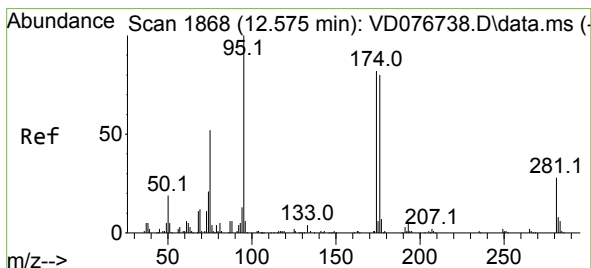
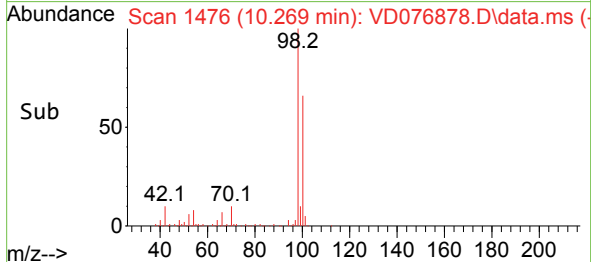
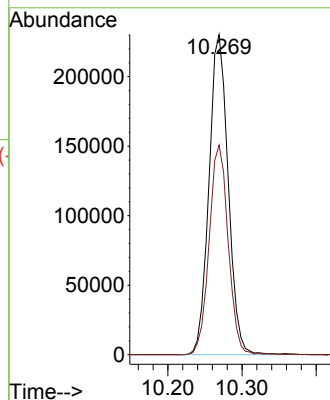
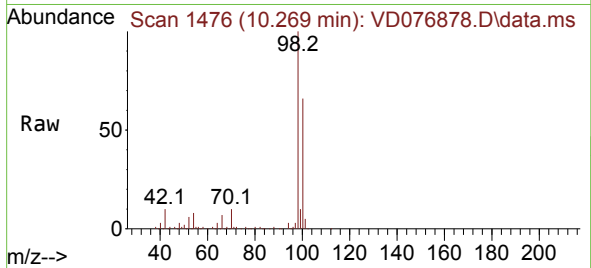




#50
Toluene-d8
Concen: 53.647 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

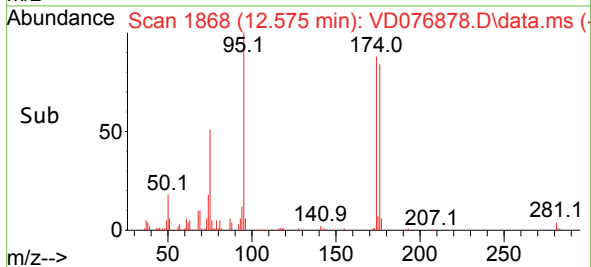
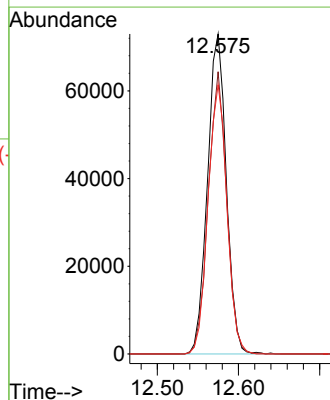
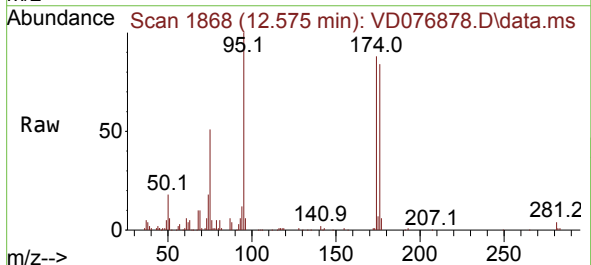
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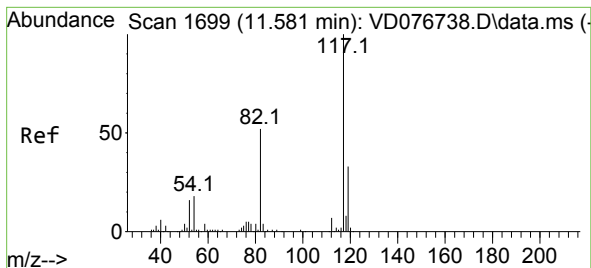
Tgt Ion: 98 Resp: 413787
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.060 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

Tgt Ion: 95 Resp: 117424
Ion Ratio Lower Upper
95 100
174 86.0 0.0 201.8
176 84.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

Instrument :

MSVOA_D

ClientSampleId :

SU-02-073123

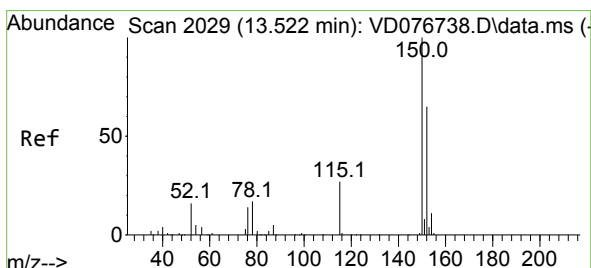
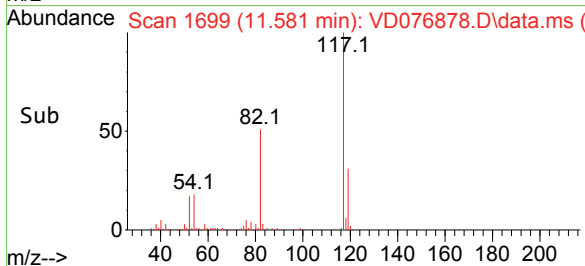
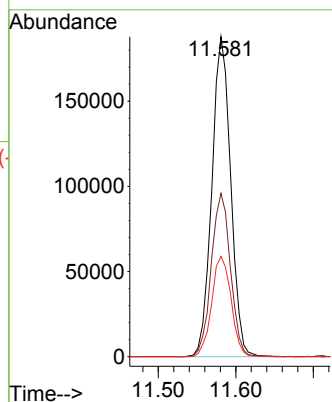
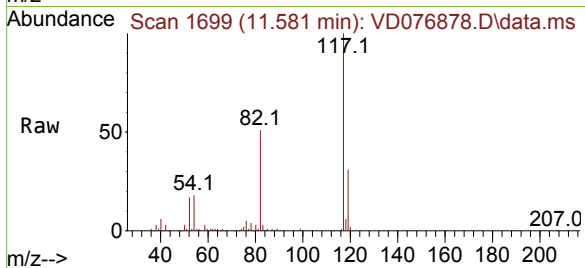
Tgt Ion:117 Resp: 317469

Ion Ratio Lower Upper

117 100

82 51.0 38.3 57.5

119 31.4 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076878.D

Acq: 31 Jul 2023 16:56

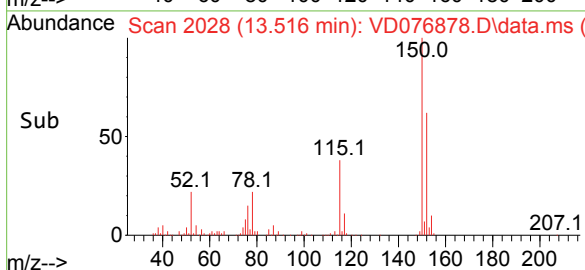
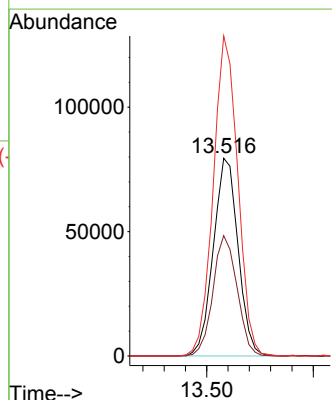
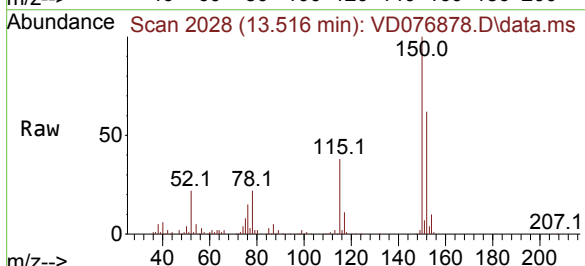
Tgt Ion:152 Resp: 128171

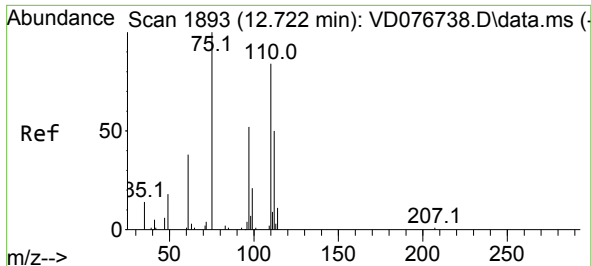
Ion Ratio Lower Upper

152 100

115 59.2 27.1 81.3

150 160.2 0.0 353.6

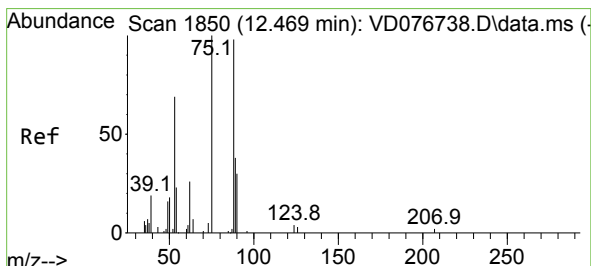
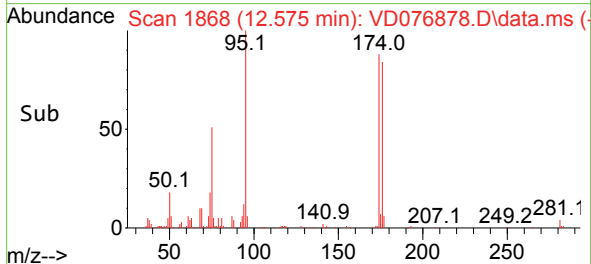
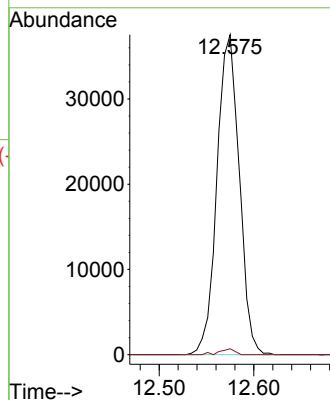
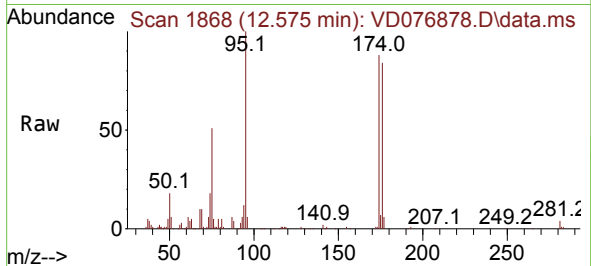




#76
1,2,3-Trichloropropane
Concen: 50.437 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

Instrument :
MSVOA_D
ClientSampleId :
SU-02-073123

Tgt Ion: 75 Resp: 61477
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.343 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076878.D
Acq: 31 Jul 2023 16:56

Tgt Ion: 75 Resp: 61477
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

