

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076861.D
 Acq On : 28 Jul 2023 18:18
 Operator : KP/SY
 Sample : 03810-08
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P1A

Quant Time: Jul 28 23:06:52 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)

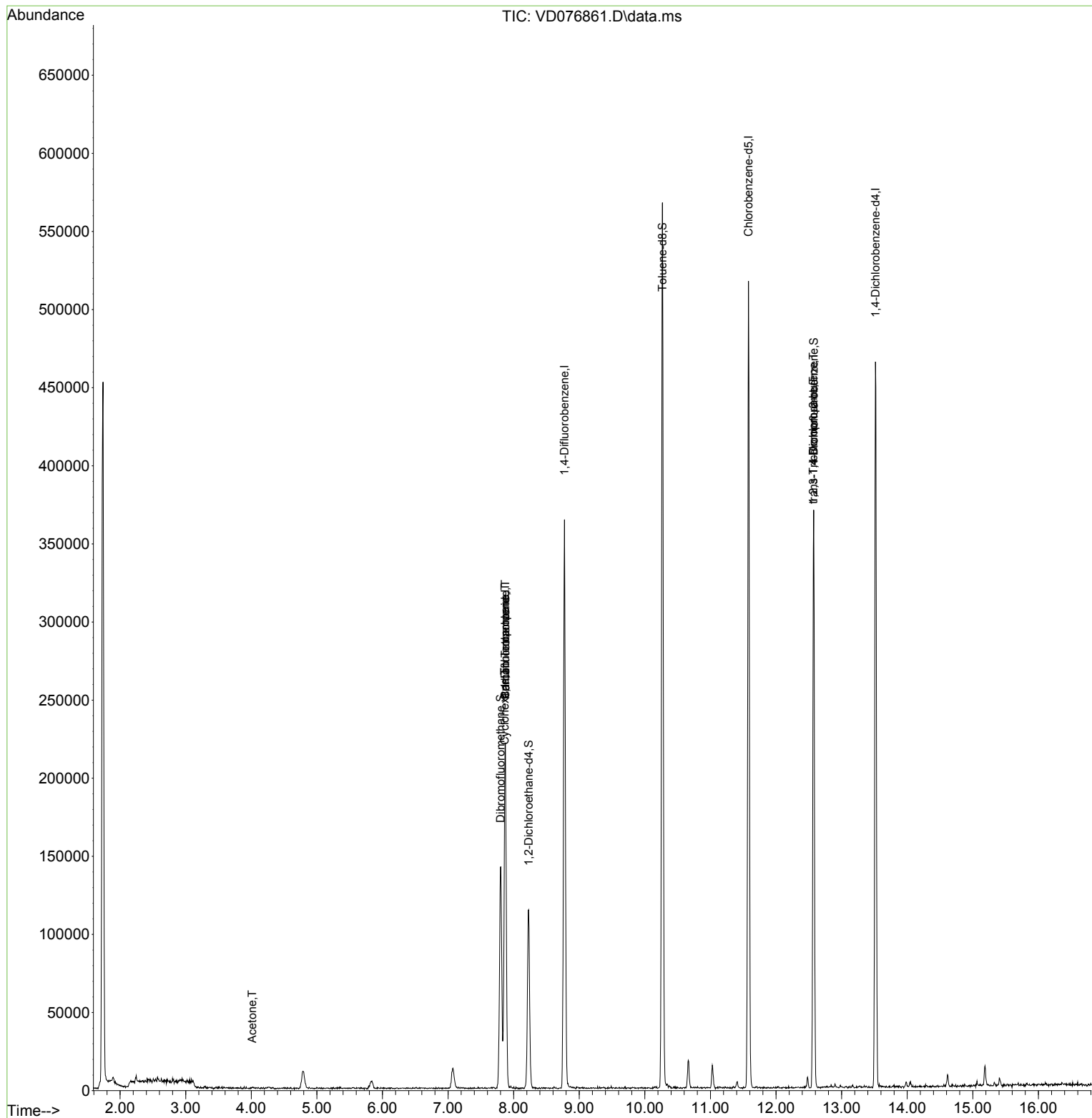
Internal Standards						
1) Pentafluorobenzene	7.875	168	169544	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	320721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	300316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	88516	52.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.840%	
35) Dibromofluoromethane	7.799	113	103323	51.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.540%	
50) Toluene-d8	10.269	98	395357	54.835	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.660%	
62) 4-Bromofluorobenzene	12.575	95	112183	48.097	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.200%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	433	1.074	ug/l	# 32
20) Methylene Chloride	4.781	84	9484	Below Cal	#	88
31) Cyclohexane	7.863	56	4077	1.640	ug/l	# 52
36) 1,1-Dichloropropene	7.869	75	15072	5.723	ug/l	# 46
38) Carbon Tetrachloride	7.875	117	17832	7.071	ug/l	# 16
76) 1,2,3-Trichloropropane	12.569	75	59629	48.959	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	59629	104.198	ug/l	# 17

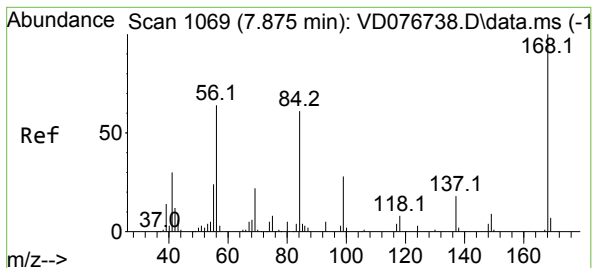
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076861.D

Acq: 28 Jul 2023 18:18

Instrument :

MSVOA_D

ClientSampleId :

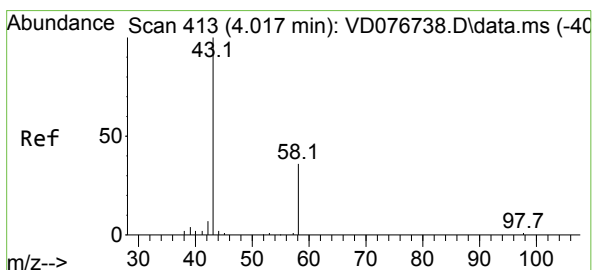
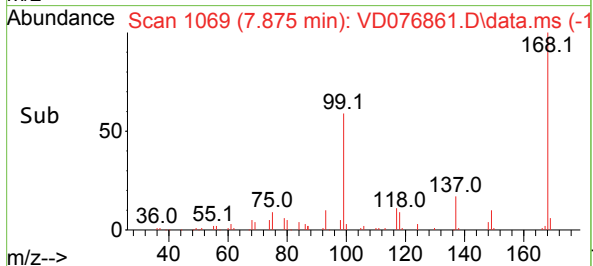
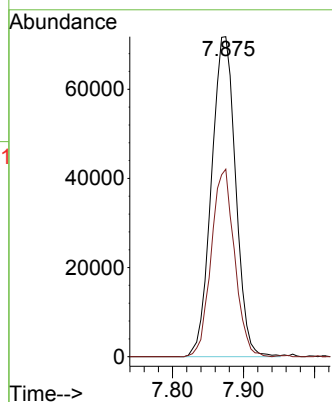
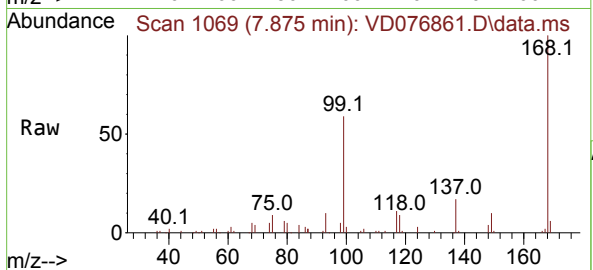
B-P1A

Tgt Ion:168 Resp: 169544

Ion Ratio Lower Upper

168 100

99 58.6 36.7 55.1#



#16

Acetone

Concen: 1.074 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.001 min

Lab File: VD076861.D

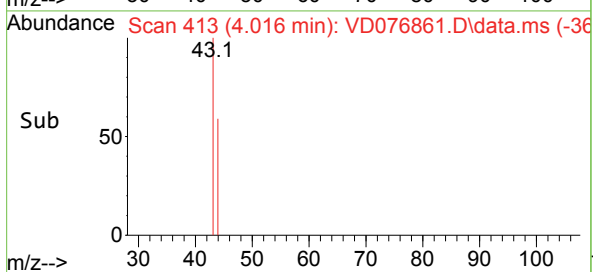
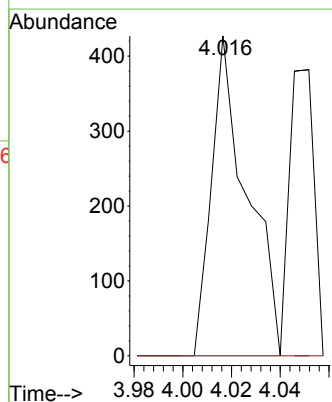
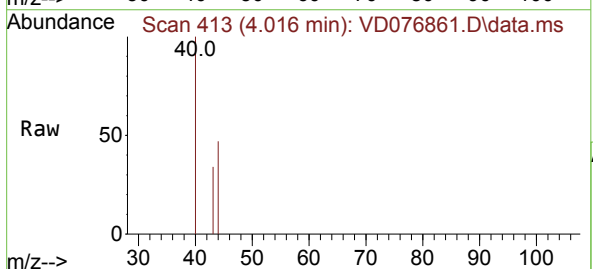
Acq: 28 Jul 2023 18:18

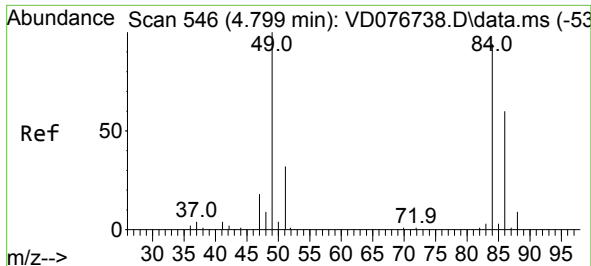
Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

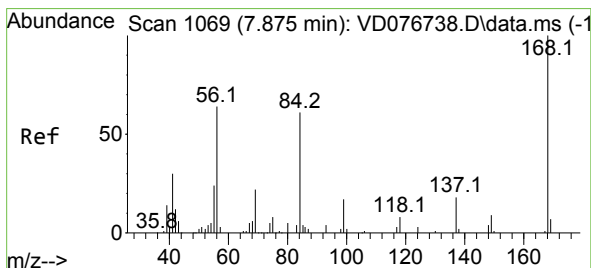
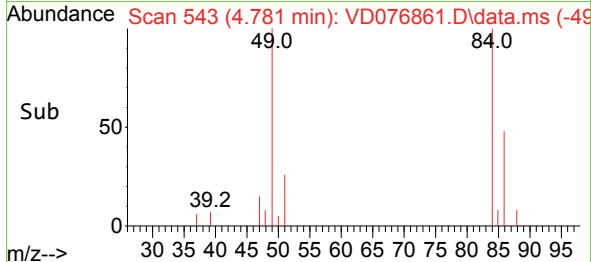
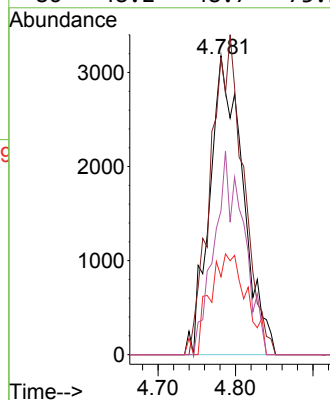
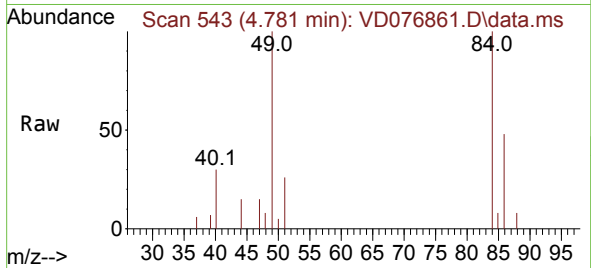




#20
Methylene Chloride
Concen: Below Cal
RT: 4.781 min Scan# 546
Delta R.T. -0.018 min
Lab File: VD076861.D
Acq: 28 Jul 2023 18:18

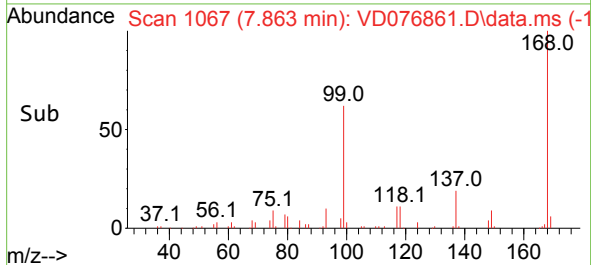
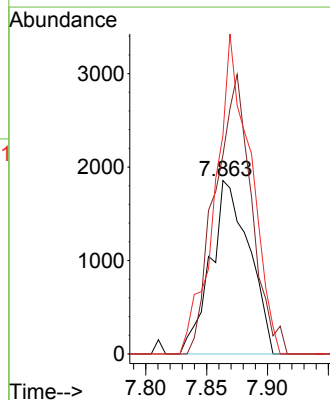
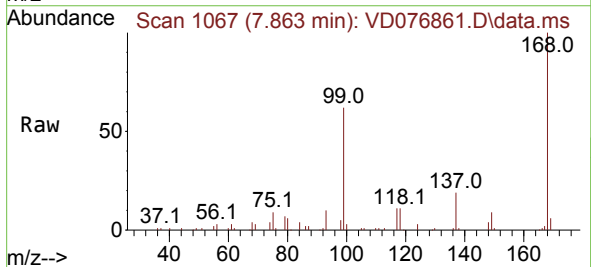
Instrument :
MSVOA_D
ClientSampleId :
B-P1A

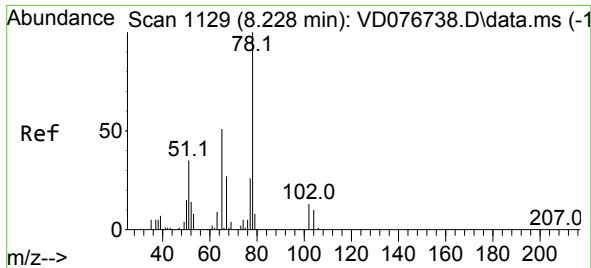
Tgt Ion: 84	Resp: 9484
Ion Ratio	Lower Upper
84 100	
49 99.6	71.4 107.2
51 26.1	24.5 36.7
86 48.2	48.7 73.1#



#31
Cyclohexane
Concen: 1.640 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD076861.D
Acq: 28 Jul 2023 18:18

Tgt Ion: 56	Resp:	4077	
Ion	Ratio	Lower	Upper
56	100		
69	114.6	28.6	43.0#
84	126.1	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 52.416 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076861.D

Acq: 28 Jul 2023 18:18

Instrument :

MSVOA_D

ClientSampleId :

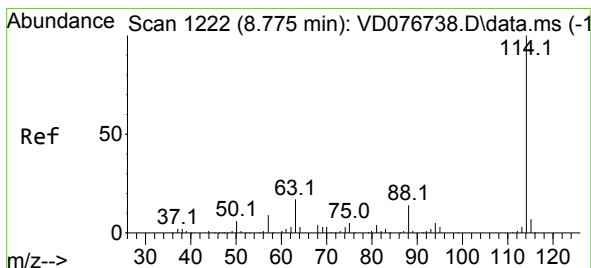
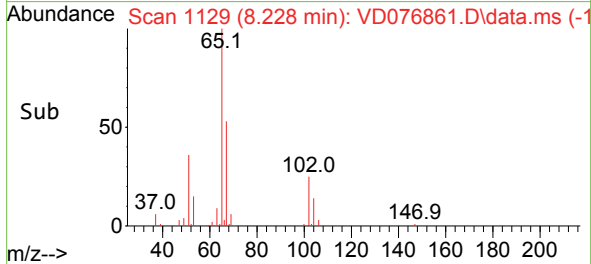
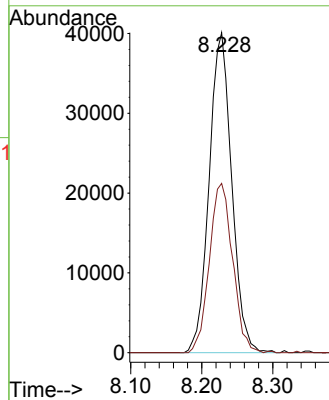
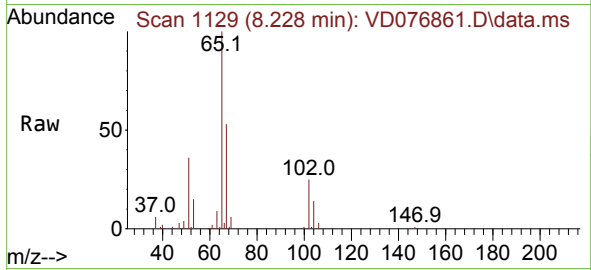
B-P1A

Tgt Ion: 65 Resp: 88516

Ion Ratio Lower Upper

65 100

67 54.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076861.D

Acq: 28 Jul 2023 18:18

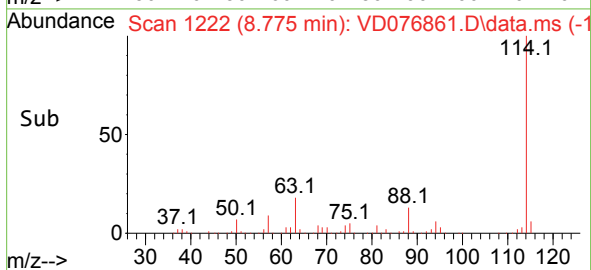
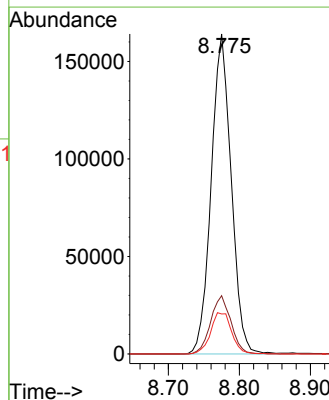
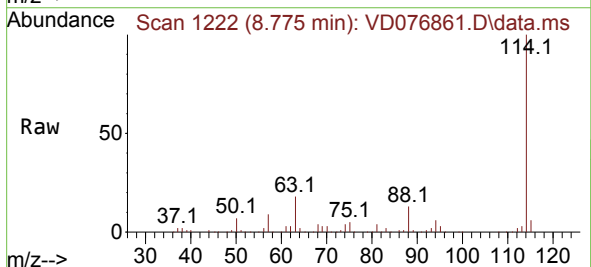
Tgt Ion: 114 Resp: 320721

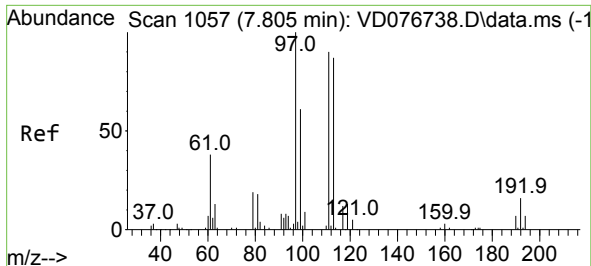
Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

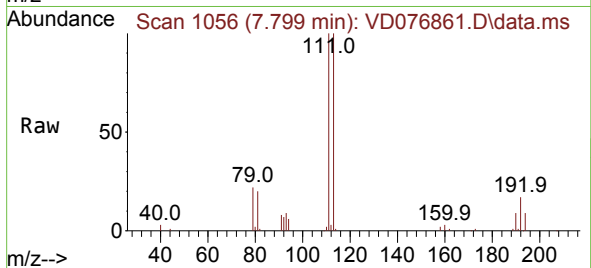
88 12.5 0.0 26.2



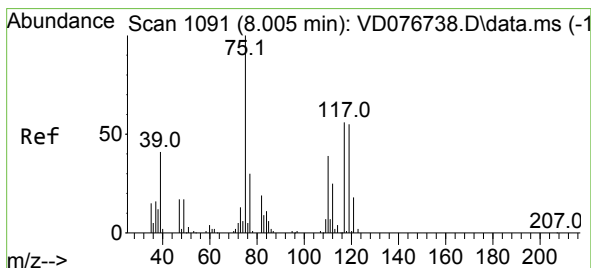
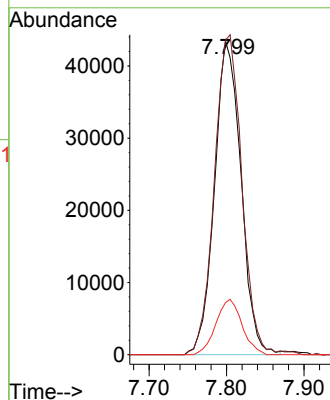
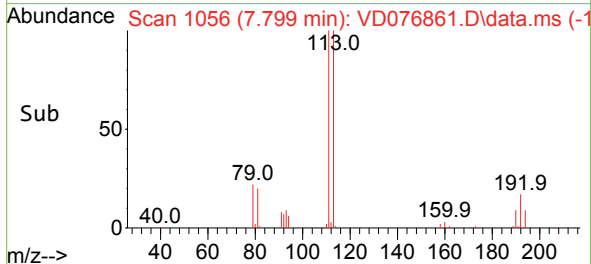


#35
 Dibromofluoromethane
 Concen: 51.266 ug/l
 RT: 7.799 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VD076861.D
 Acq: 28 Jul 2023 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P1A

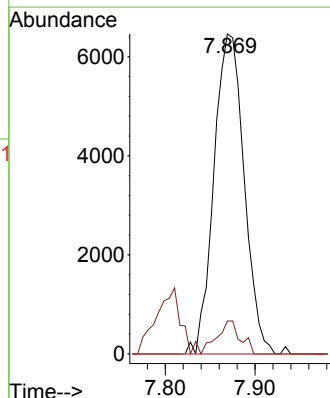
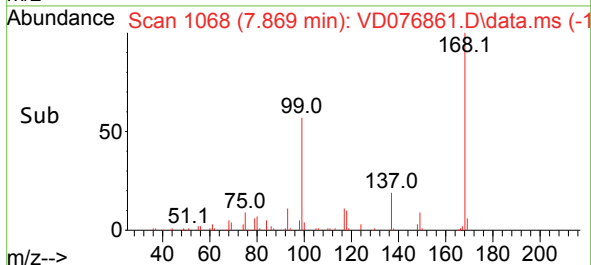
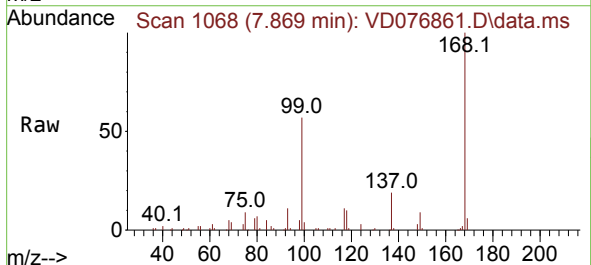


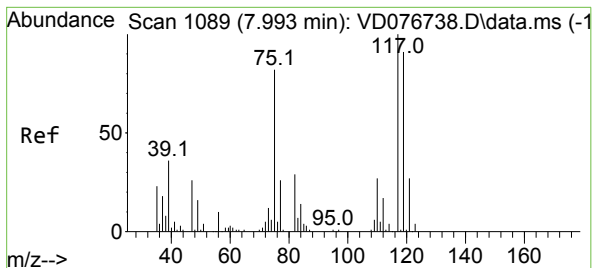
Tgt Ion:113 Resp: 103323
 Ion Ratio Lower Upper
 113 100
 111 105.6 84.7 127.1
 192 17.4 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 5.723 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.136 min
 Lab File: VD076861.D
 Acq: 28 Jul 2023 18:18

Tgt Ion: 75 Resp: 15072
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.9 59.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.071 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076861.D

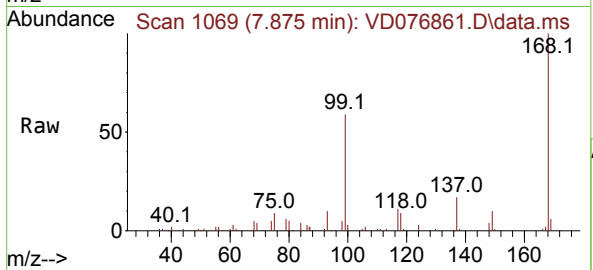
Acq: 28 Jul 2023 18:18

Instrument :

MSVOA_D

ClientSampleId :

B-P1A



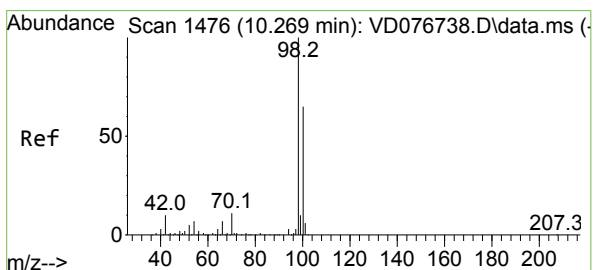
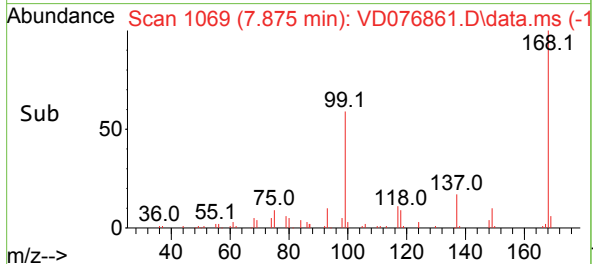
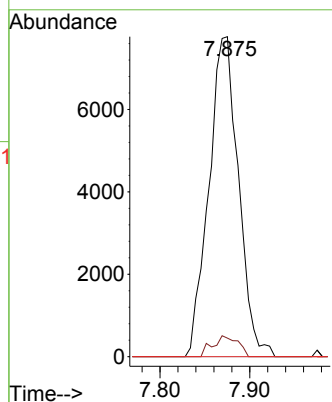
Tgt Ion:117 Resp: 17832

Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.835 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076861.D

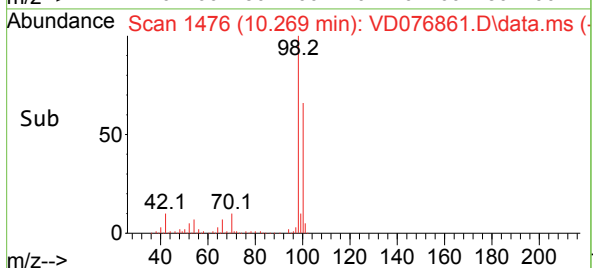
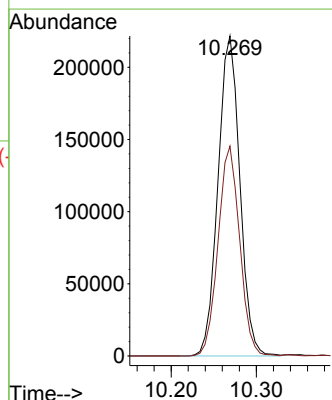
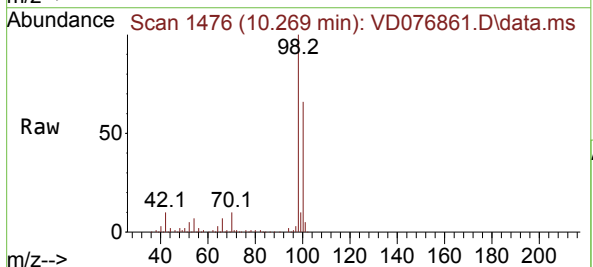
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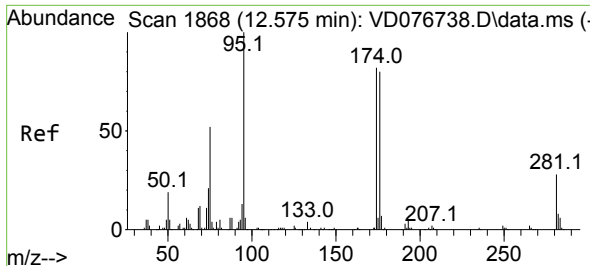
Tgt Ion: 98 Resp: 395357

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

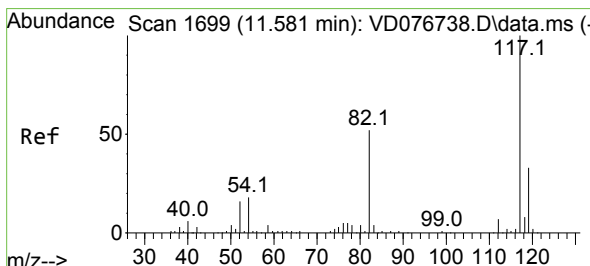
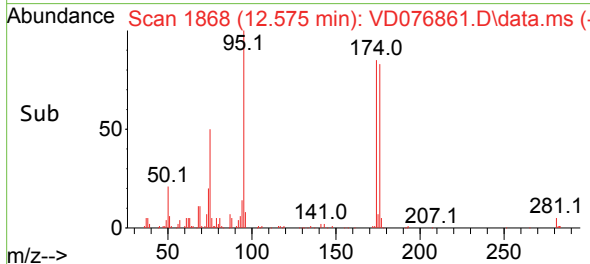
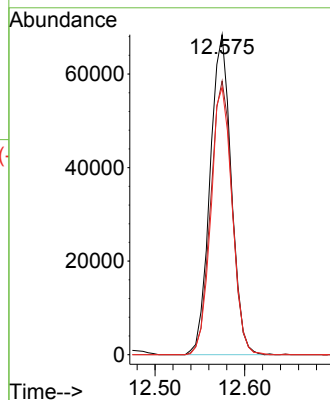
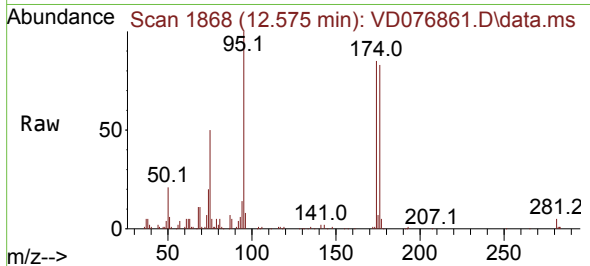




#62
4-Bromofluorobenzene
Concen: 48.097 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076861.D
Acq: 28 Jul 2023 18:18

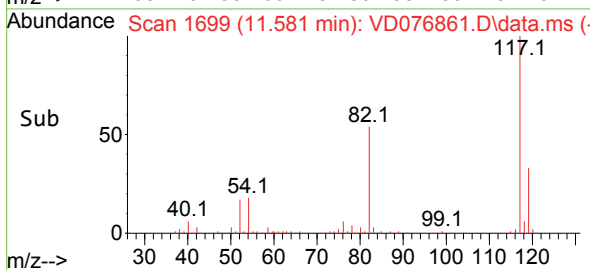
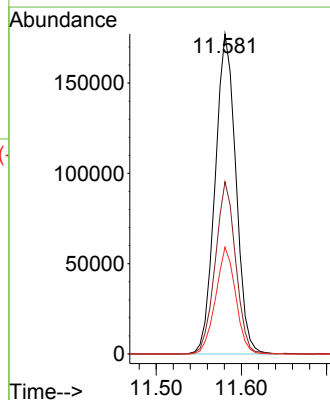
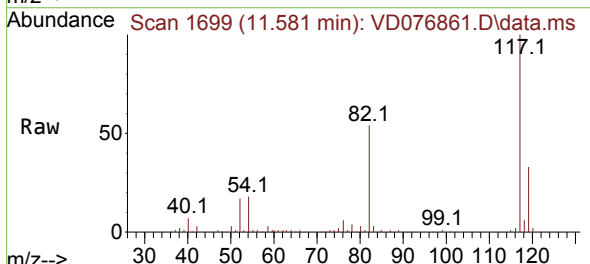
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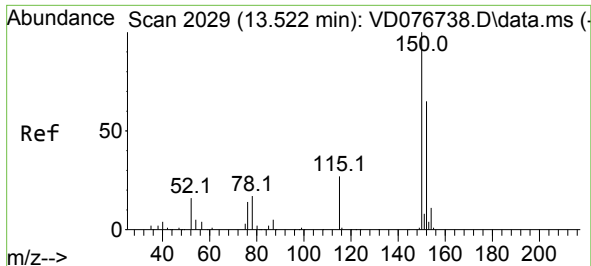
Tgt Ion: 95 Resp: 112183
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 83.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076861.D
Acq: 28 Jul 2023 18:18

Tgt Ion: 117 Resp: 300316
Ion Ratio Lower Upper
117 100
82 53.8 38.3 57.5
119 33.4 25.0 37.4

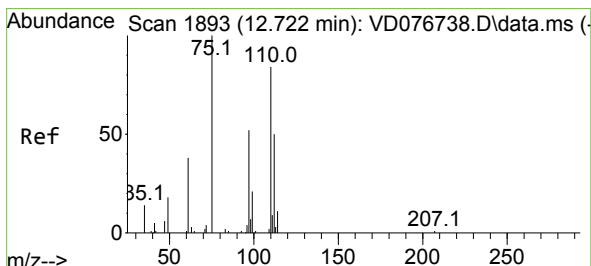
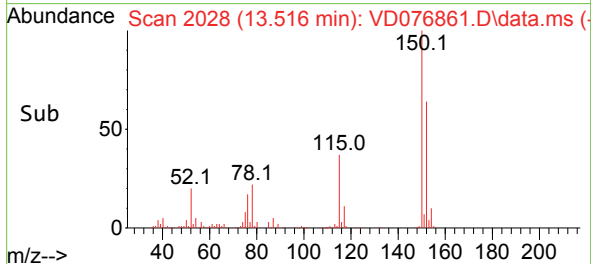
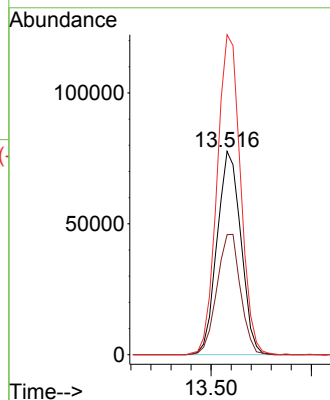
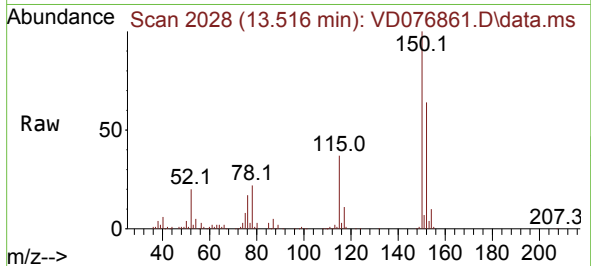




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076861.D
 Acq: 28 Jul 2023 18:18

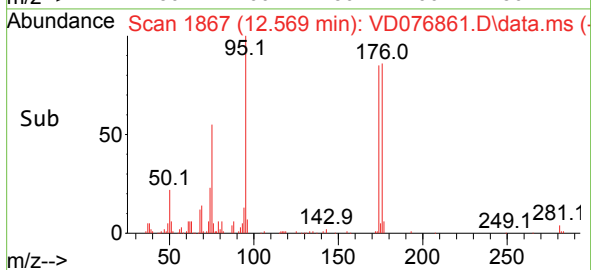
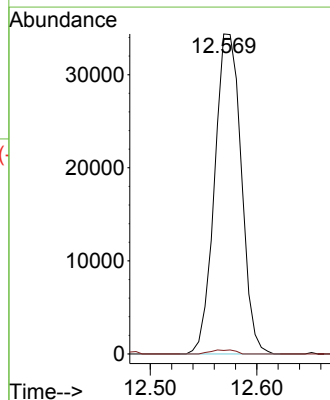
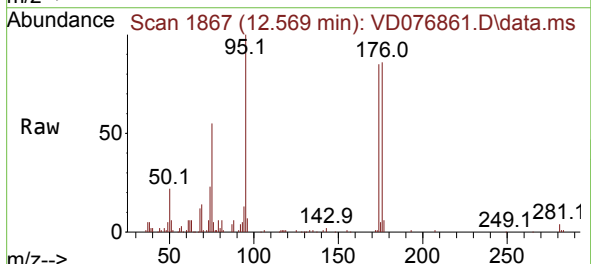
Instrument :
 MSVOA_D
 ClientSampleId :
 B-P1A

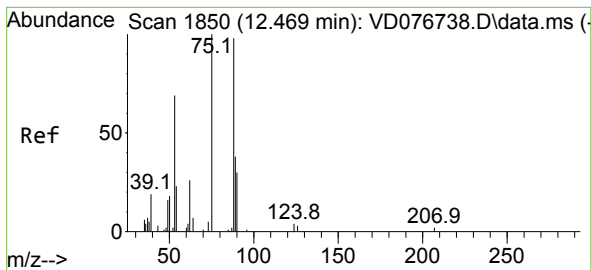
Tgt Ion:152 Resp: 128070
 Ion Ratio Lower Upper
 152 100
 115 58.8 27.1 81.3
 150 155.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 48.959 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD076861.D
 Acq: 28 Jul 2023 18:18

Tgt Ion: 75 Resp: 59629
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.198 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076861.D
 Acq: 28 Jul 2023 18:18

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P1A

Tgt Ion:	75	Resp:	59629
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

