

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076855.D
 Acq On : 28 Jul 2023 15:24
 Operator : KP/SY
 Sample : 03810-02
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P3B

Quant Time: Jul 28 23:04:53 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)

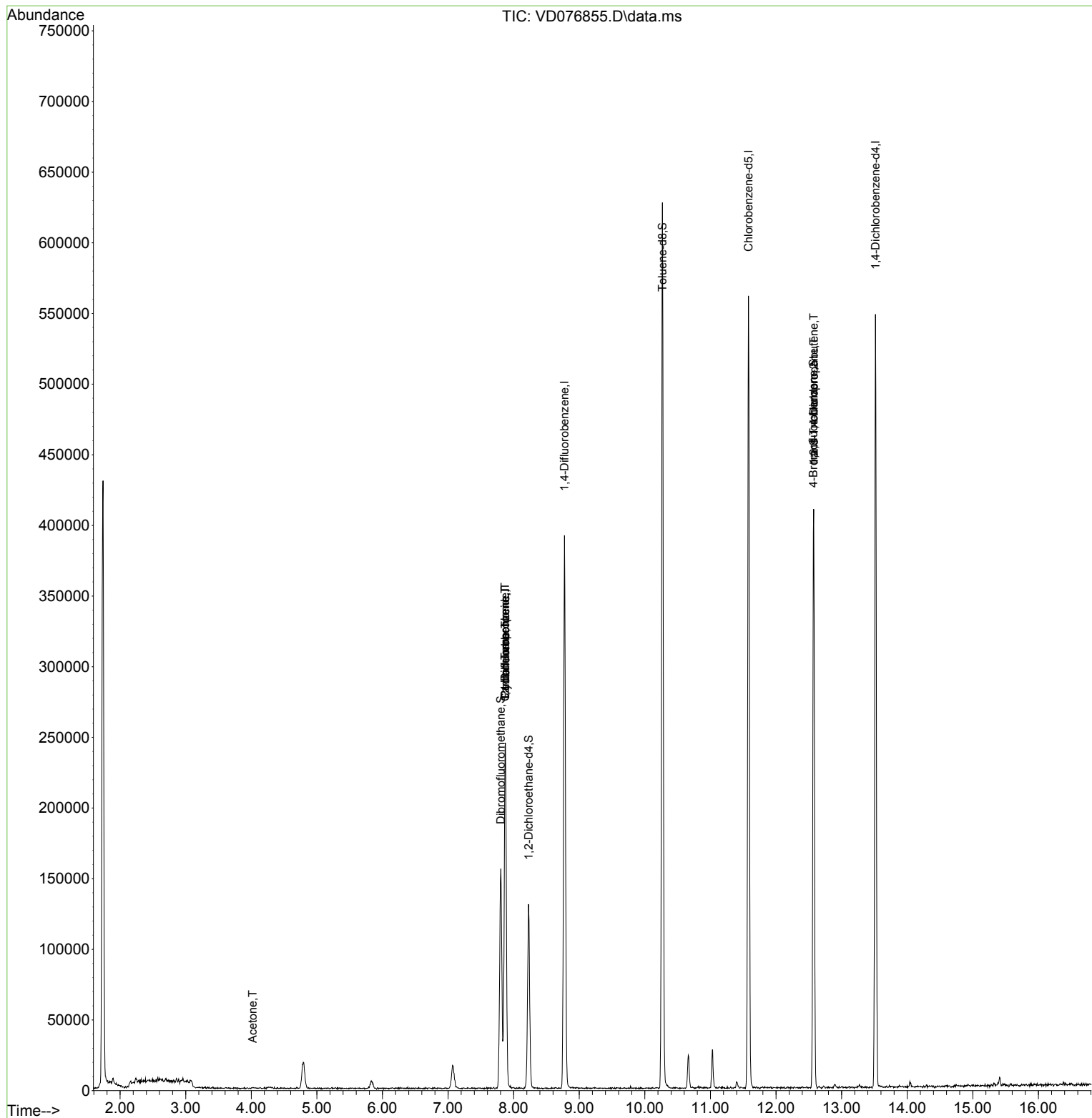
Internal Standards						
1) Pentafluorobenzene	7.875	168	189121	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	356566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93187	49.470	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.940%
35) Dibromofluoromethane	7.804	113	112731	50.311	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.269	98	435832	54.372	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.740%
62) 4-Bromofluorobenzene	12.569	95	123524	47.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.280%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	756	1.680	ug/l	# 32
20) Methylene Chloride	4.793	84	14897	Below Cal	#	90
31) Cyclohexane	7.875	56	3796	1.369	ug/l	# 1
36) 1,1-Dichloropropene	7.869	75	16415	5.606	ug/l	# 48
38) Carbon Tetrachloride	7.869	117	18680	6.663	ug/l	# 16
76) 1,2,3-Trichloropropane	12.575	75	66800	48.021	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	66800	102.202	ug/l	# 17

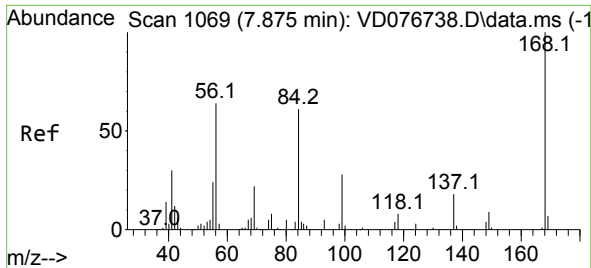
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-P3B

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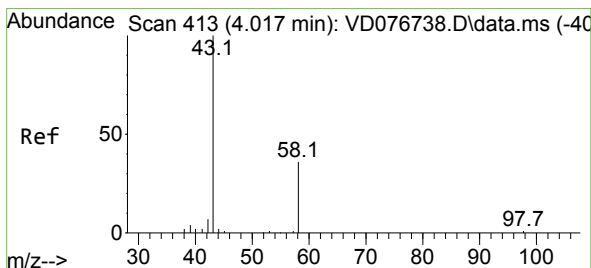
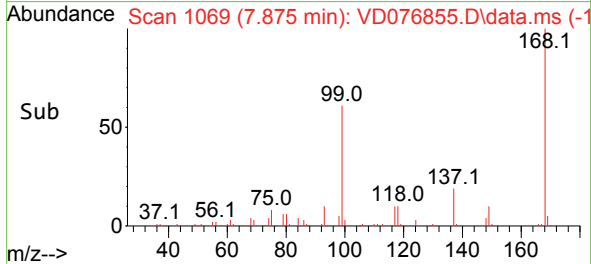
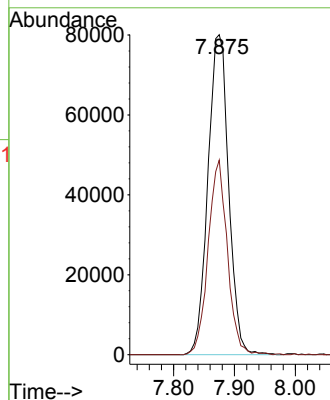
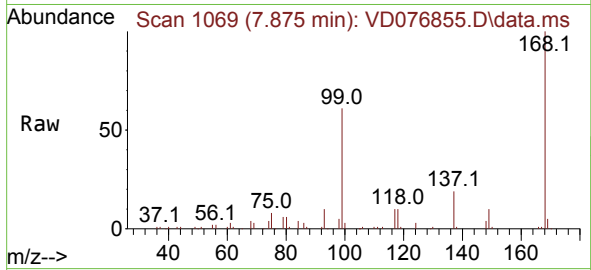




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

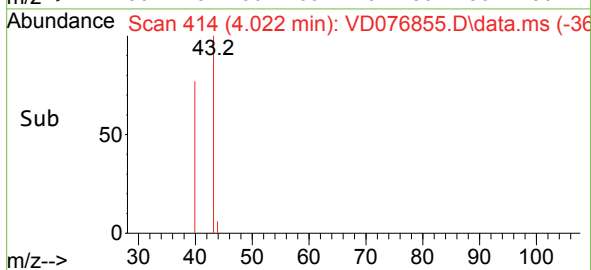
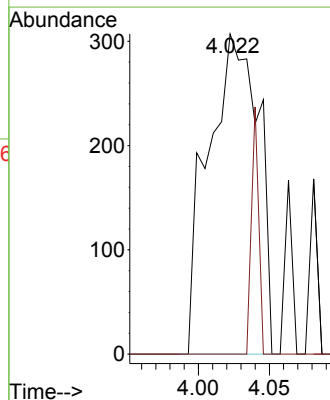
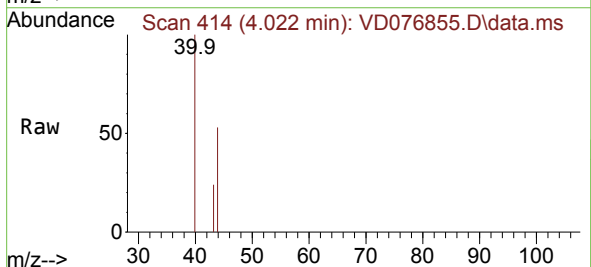
Instrument :
MSVOA_D
ClientSampleId :
B-P3B

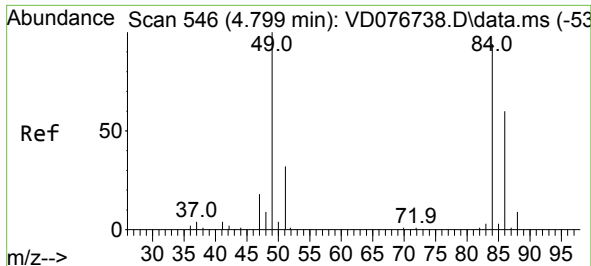
Tgt Ion:168 Resp: 189121
Ion Ratio Lower Upper
168 100
99 60.8 36.7 55.1#



#16
Acetone
Concen: 1.680 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

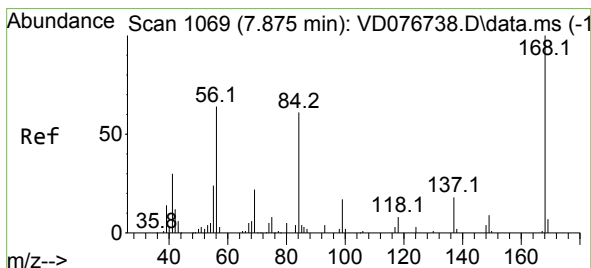
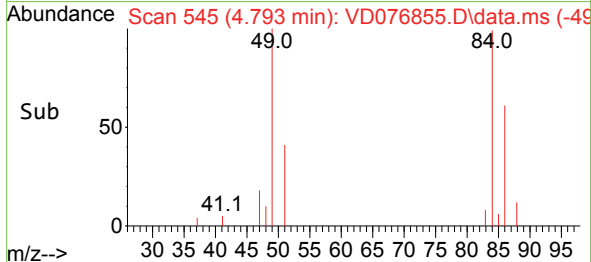
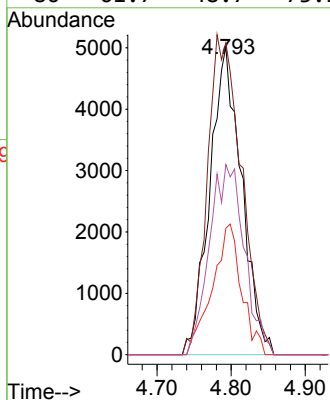
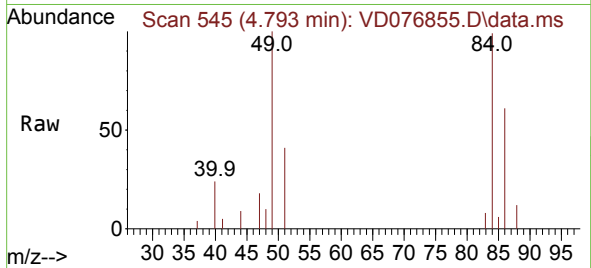




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

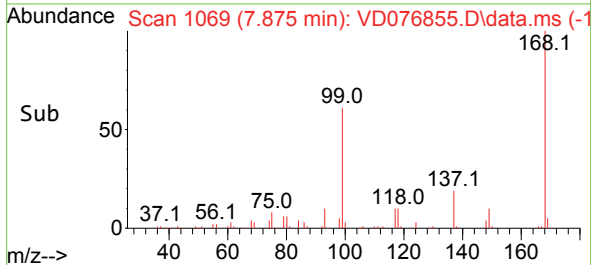
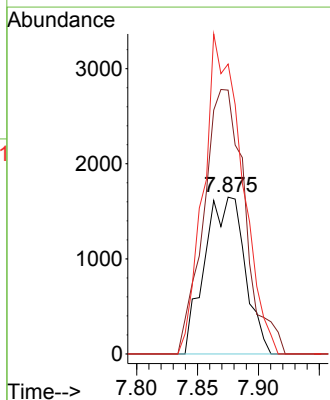
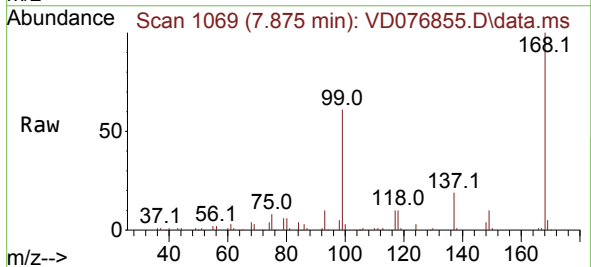
Instrument :
MSVOA_D
ClientSampleId :
B-P3B

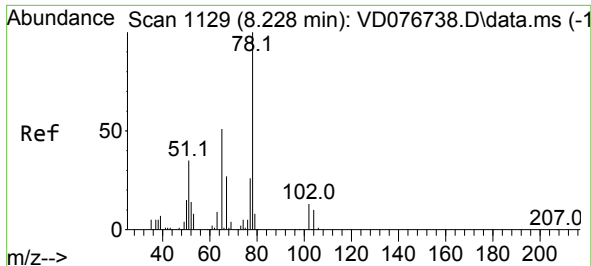
Tgt Ion:	84	Resp:	14897
Ion	Ratio	Lower	Upper
84	100		
49	101.2	71.4	107.2
51	41.0	24.5	36.7#
86	61.7	48.7	73.1



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

Tgt Ion:	56	Resp:	3796
Ion	Ratio	Lower	Upper
56	100		
69	168.3	28.6	43.0#
84	184.9	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 49.470 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076855.D

Acq: 28 Jul 2023 15:24

Instrument :

MSVOA_D

ClientSampleId :

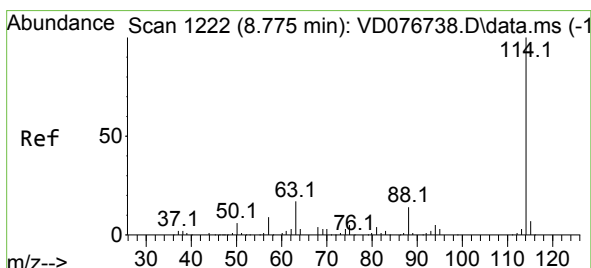
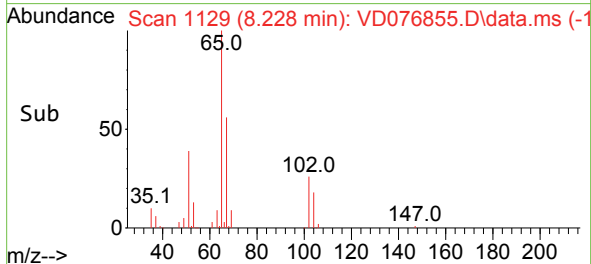
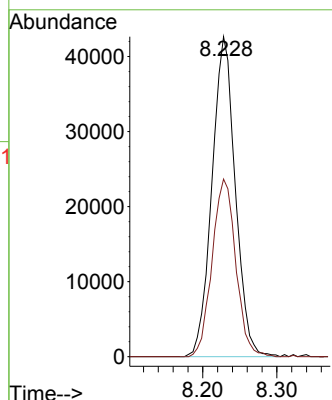
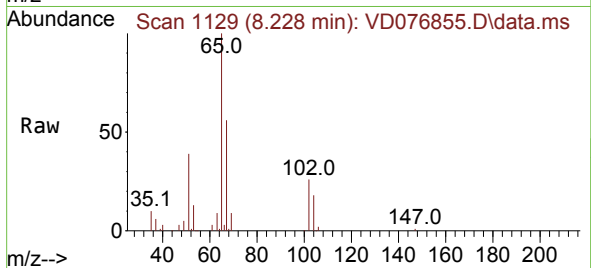
B-P3B

Tgt Ion: 65 Resp: 93187

Ion Ratio Lower Upper

65 100

67 56.3 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: VD076855.D

Acq: 28 Jul 2023 15:24

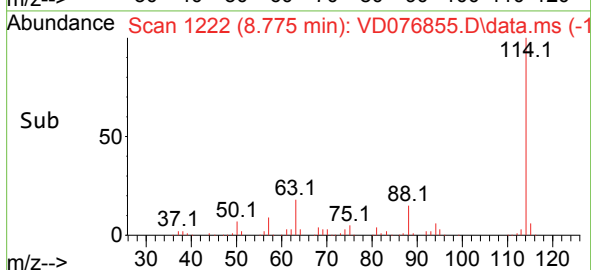
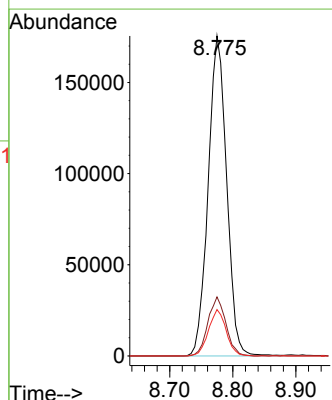
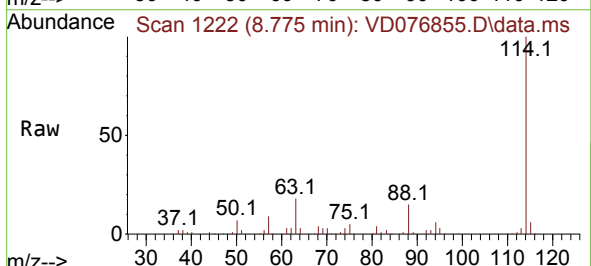
Tgt Ion: 114 Resp: 356566

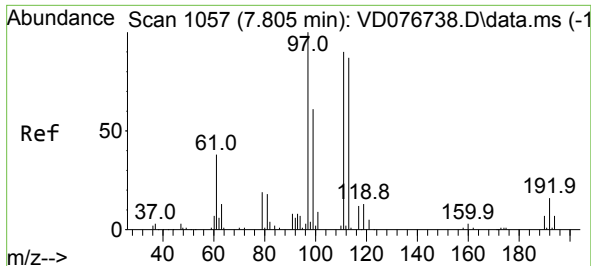
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 14.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.311 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076855.D

Acq: 28 Jul 2023 15:24

Instrument :

MSVOA_D

ClientSampleId :

B-P3B

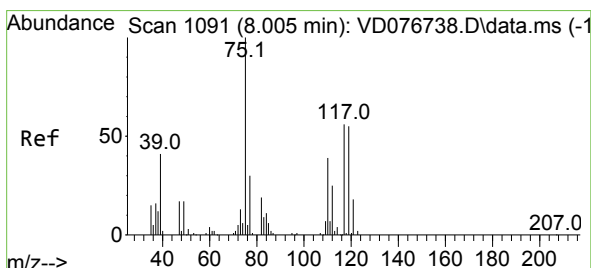
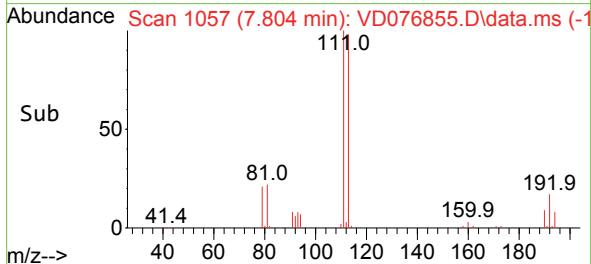
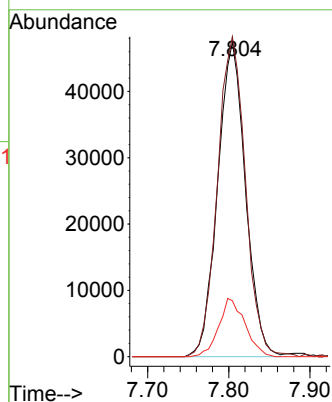
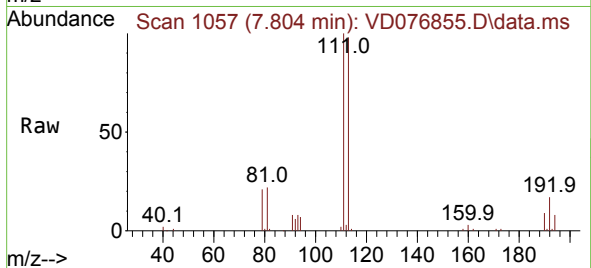
Tgt Ion:113 Resp: 112731

Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 17.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.606 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076855.D

Acq: 28 Jul 2023 15:24

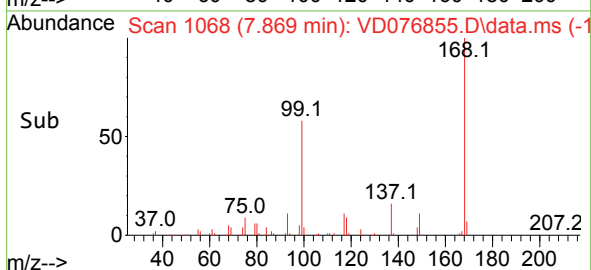
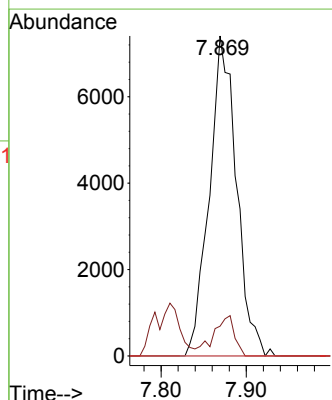
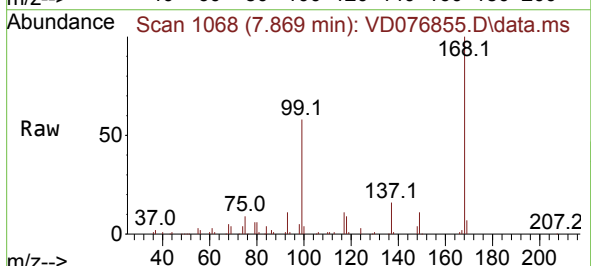
Tgt Ion: 75 Resp: 16415

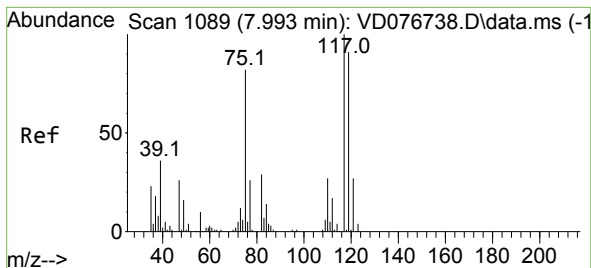
Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.663 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076855.D

Acq: 28 Jul 2023 15:24

Instrument :

MSVOA_D

ClientSampleId :

B-P3B

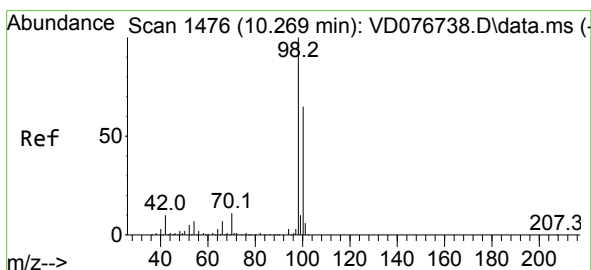
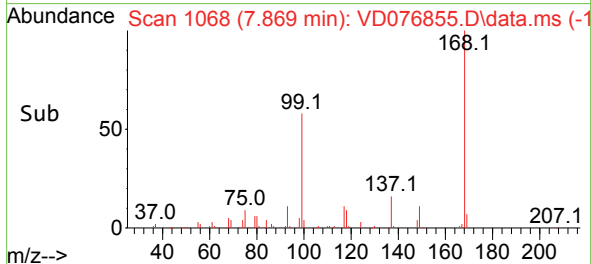
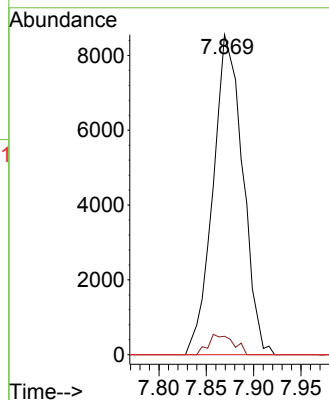
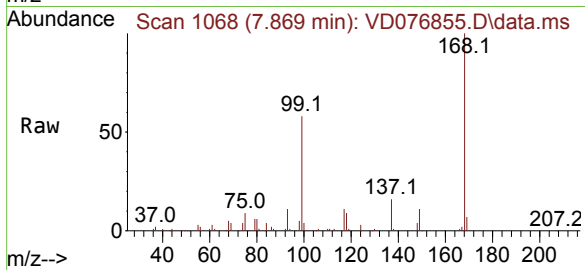
Tgt Ion:117 Resp: 18680

Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.372 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076855.D

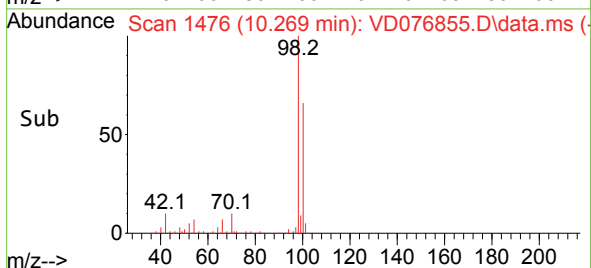
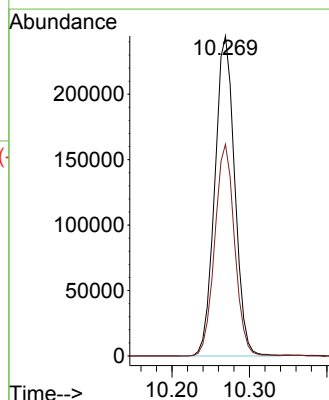
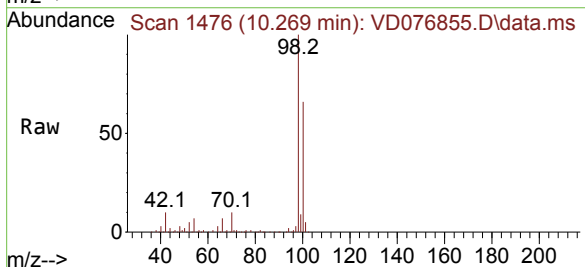
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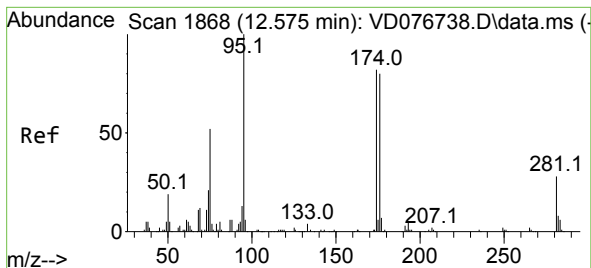
Tgt Ion: 98 Resp: 435832

Ion Ratio Lower Upper

98 100

100 65.9 50.3 75.5

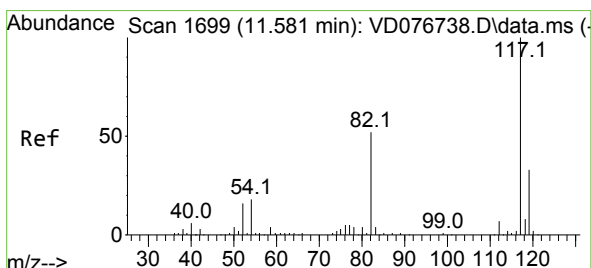
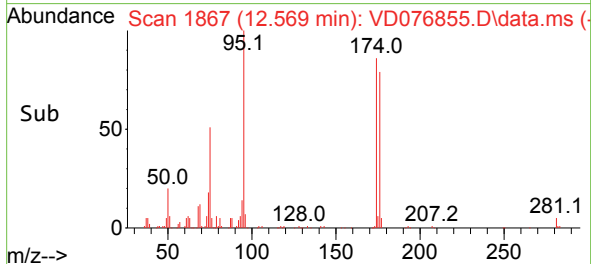
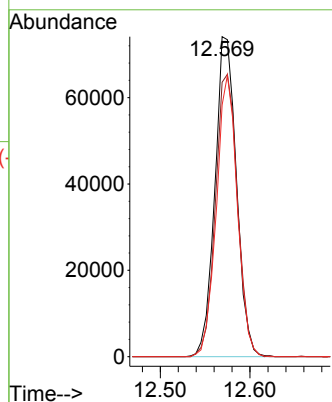
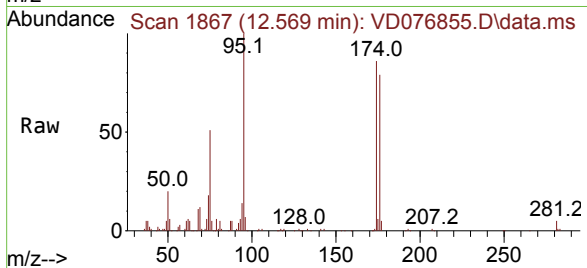




#62
4-Bromofluorobenzene
Concen: 47.635 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

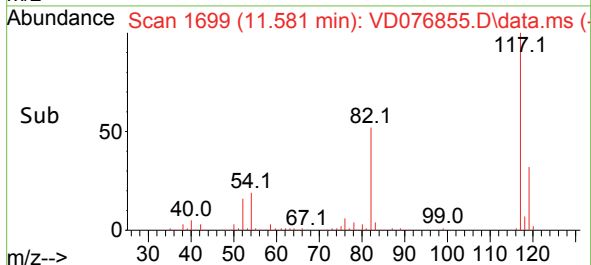
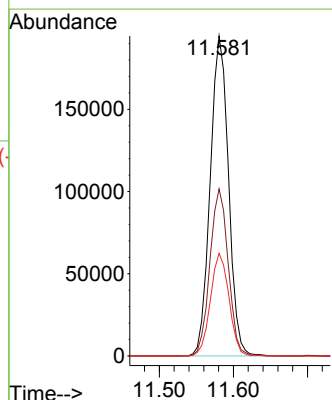
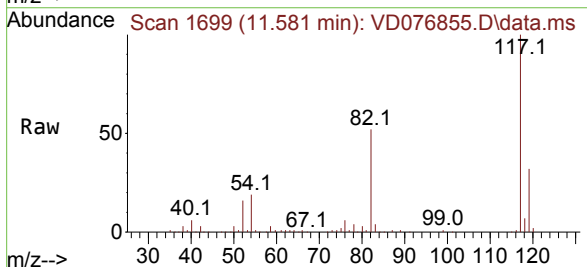
Instrument :
MSVOA_D
ClientSampleId :
B-P3B

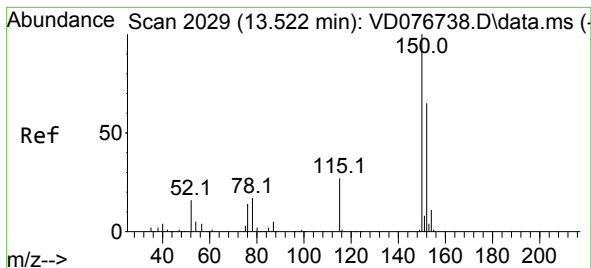
Tgt Ion: 95 Resp: 123524
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 85.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076855.D
Acq: 28 Jul 2023 15:24

Tgt Ion: 117 Resp: 333792
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076855.D

Acq: 28 Jul 2023 15:24

Instrument :

MSVOA_D

ClientSampleId :

B-P3B

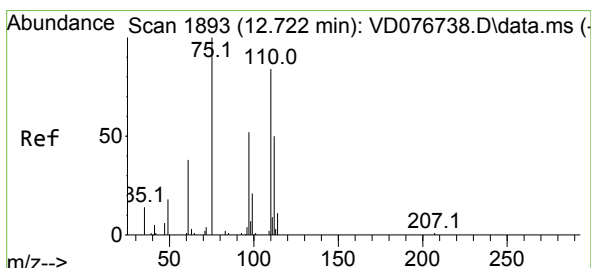
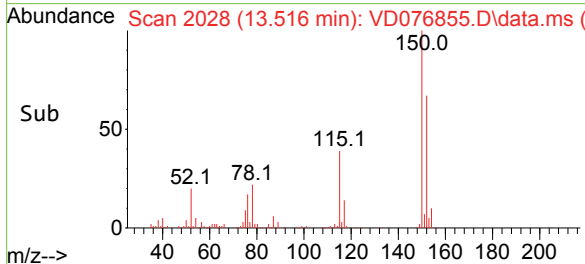
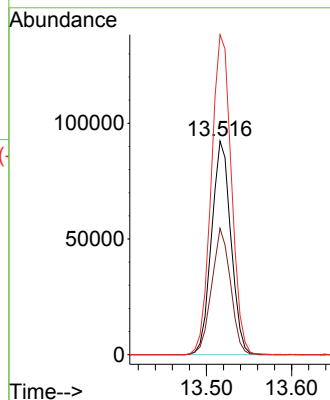
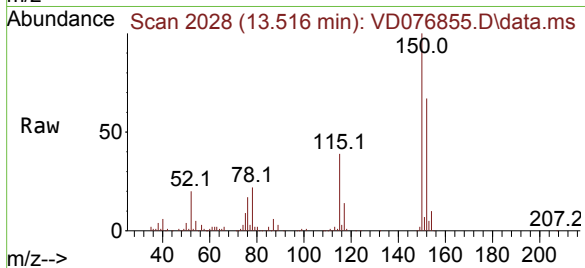
Tgt Ion:152 Resp: 146274

Ion Ratio Lower Upper

152 100

115 57.6 27.1 81.3

150 155.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.021 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076855.D

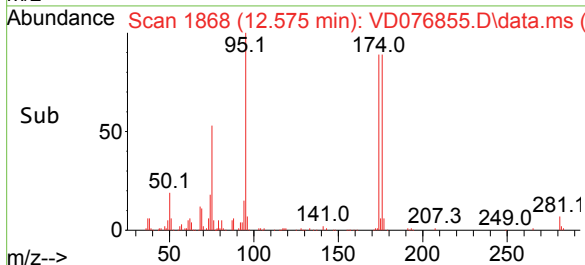
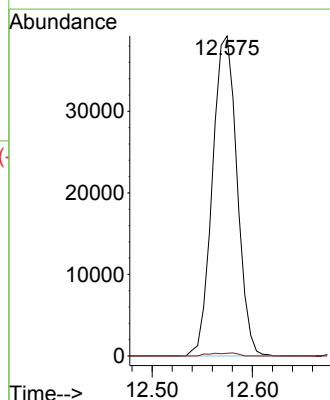
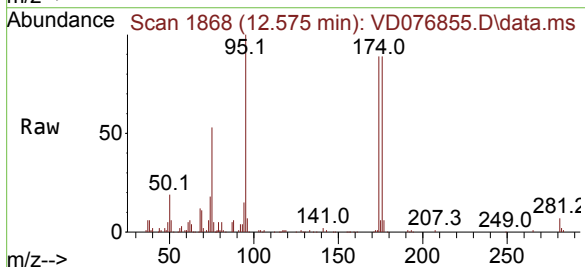
Acq: 28 Jul 2023 15:24

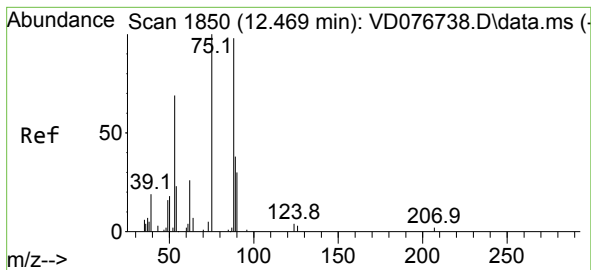
Tgt Ion: 75 Resp: 66800

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.202 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076855.D
 Acq: 28 Jul 2023 15:24

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P3B

Tgt Ion:	75	Resp:	66800
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

