

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076789.D
 Acq On : 19 Jul 2023 14:30
 Operator : KP/SY
 Sample : 03625-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200018

Quant Time: Jul 20 04:59:12 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)

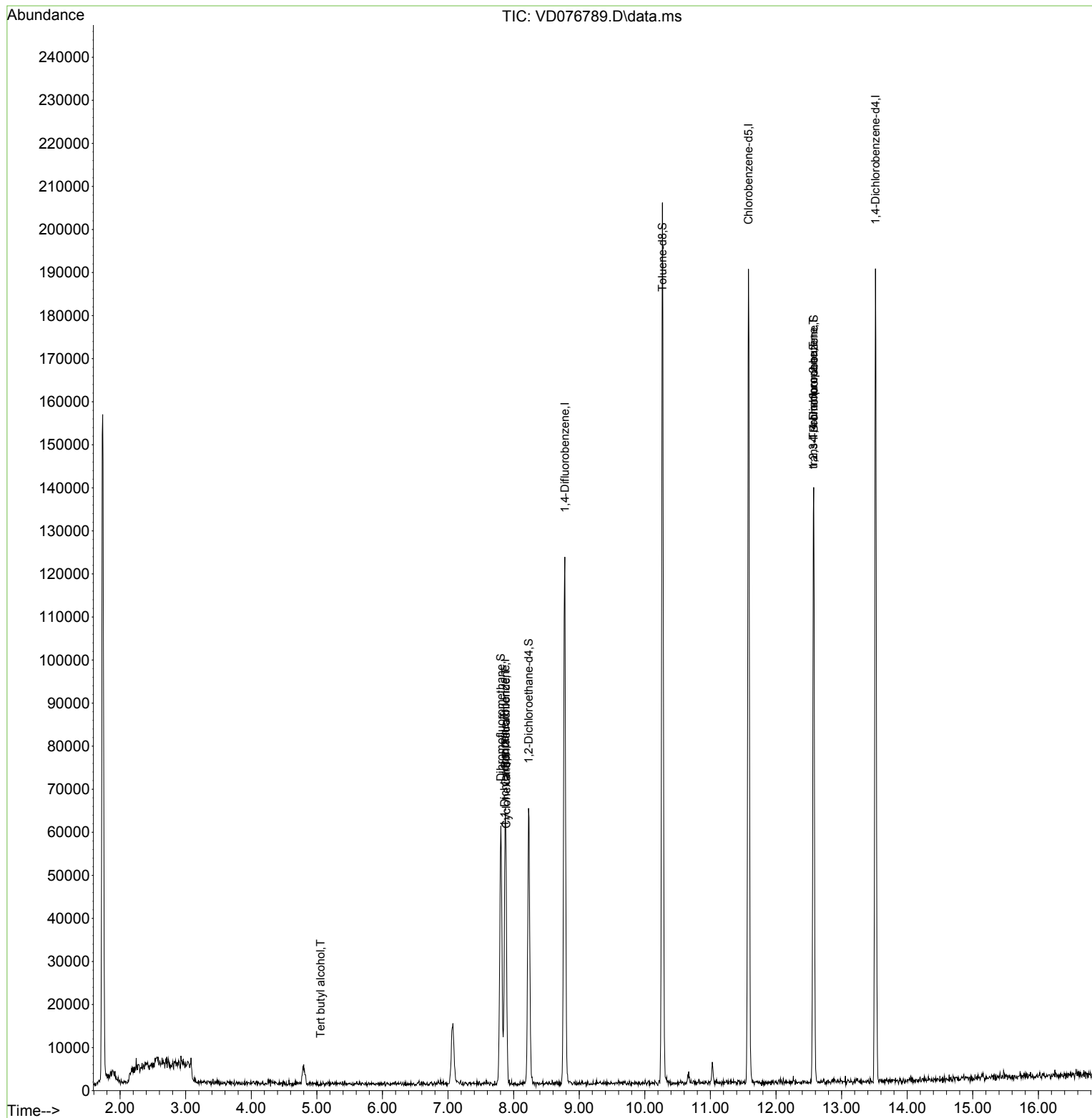
Internal Standards						
1) Pentafluorobenzene	7.875	168	50166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	115209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	114260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	51345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	47982	96.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 192.060%#	
35) Dibromofluoromethane	7.805	113	43078	59.501	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.000%	
50) Toluene-d8	10.269	98	142793	55.133	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.260%	
62) 4-Bromofluorobenzene	12.575	95	44403	52.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	58	1.556	ug/l #	73
20) Methylene Chloride	4.793	84	3400	Below Cal	#	93
31) Cyclohexane	7.887	56	1047	1.424	ug/l #	45
36) 1,1-Dichloropropene	7.863	75	4326	4.573	ug/l #	39
38) Carbon Tetrachloride	7.881	117	5137	5.671	ug/l #	11
76) 1,2,3-Trichloropropane	12.569	75	22890	46.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	22890	99.769	ug/l #	17

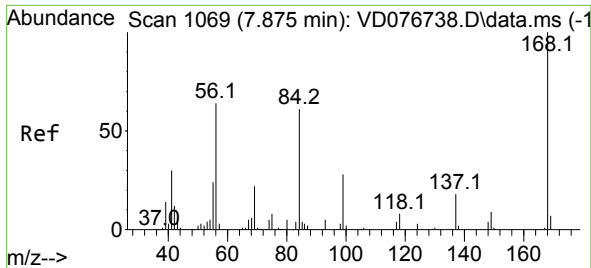
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

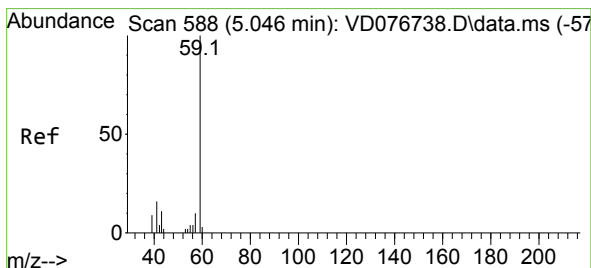
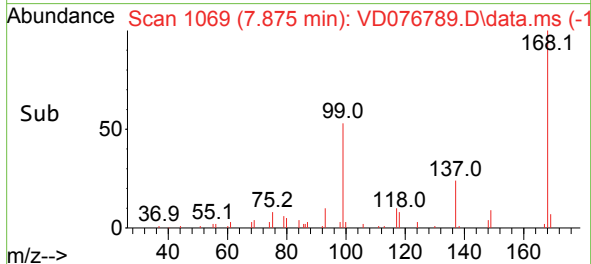
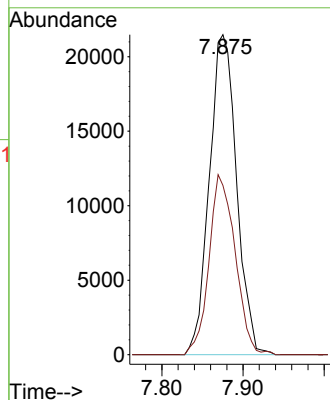
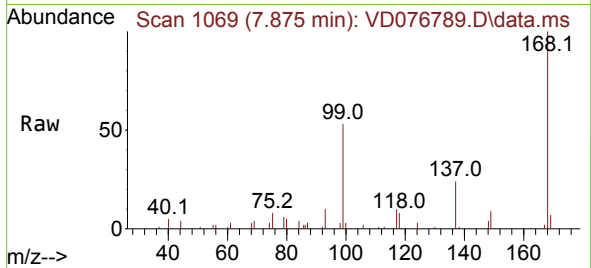




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

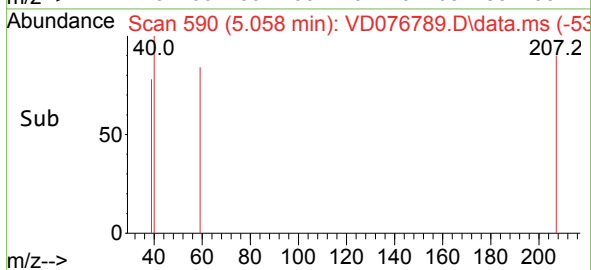
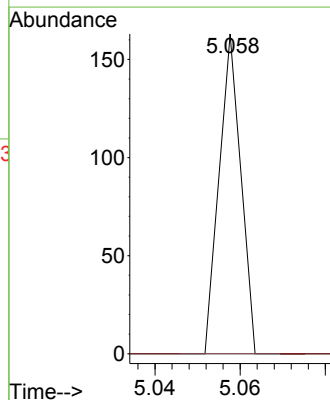
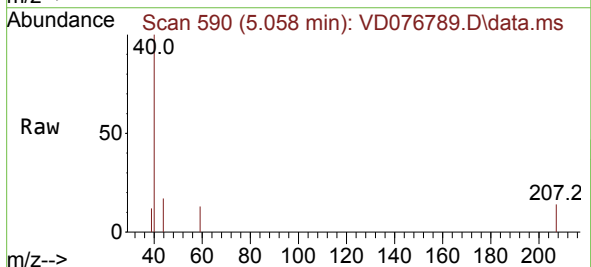
Instrument :
MSVOA_D
ClientSampleId :
RBR200018

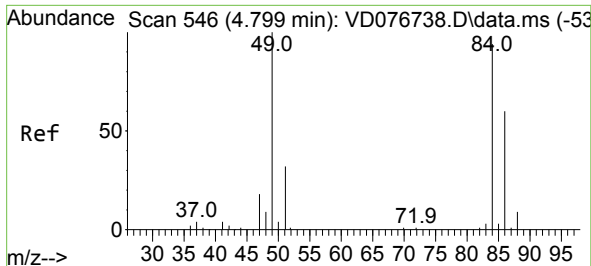
Tgt Ion:168 Resp: 50166
Ion Ratio Lower Upper
168 100
99 52.9 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.556 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

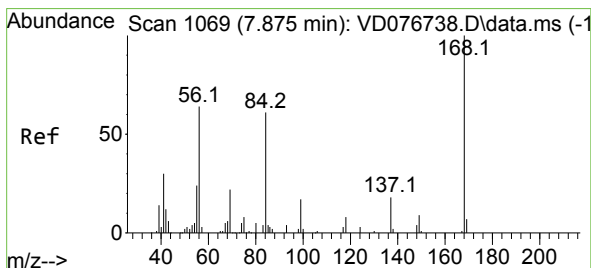
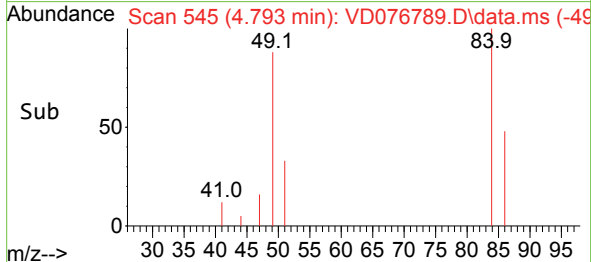
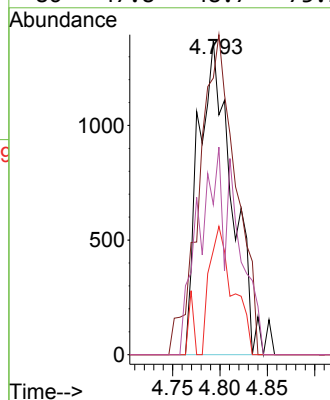
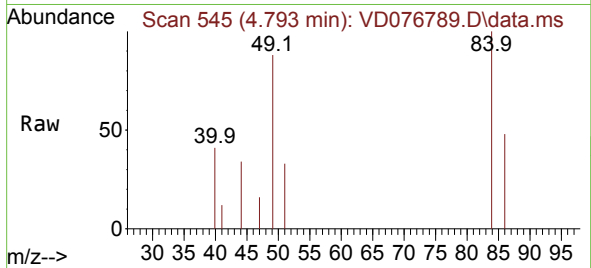




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

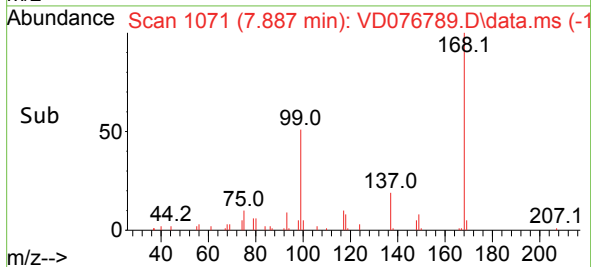
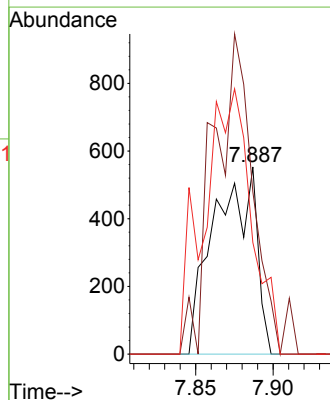
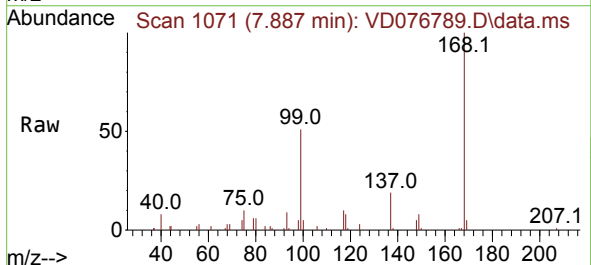
Instrument :
MSVOA_D
ClientSampleId :
RBR200018

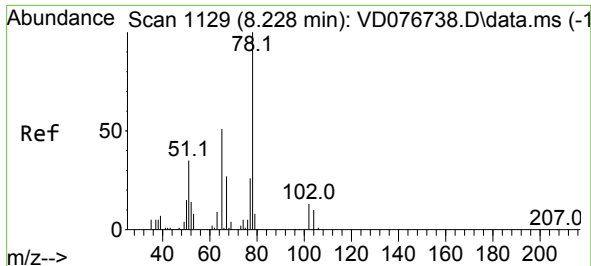
Tgt Ion:	84	Resp:	3400
Ion	Ratio	Lower	Upper
84	100		
49	88.2	71.4	107.2
51	33.2	24.5	36.7
86	47.8	48.7	73.1#



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

Tgt Ion:	56	Resp:	1047
Ion	Ratio	Lower	Upper
56	100		
69	86.8	28.6	43.0#
84	59.7	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 96.028 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076789.D

Acq: 19 Jul 2023 14:30

Instrument :

MSVOA_D

ClientSampleId :

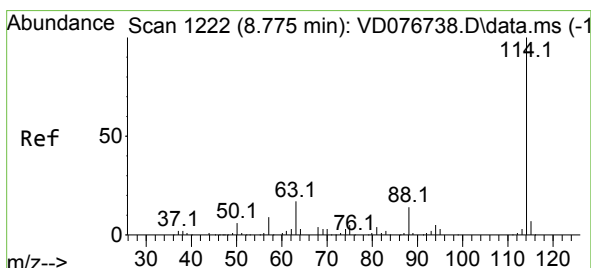
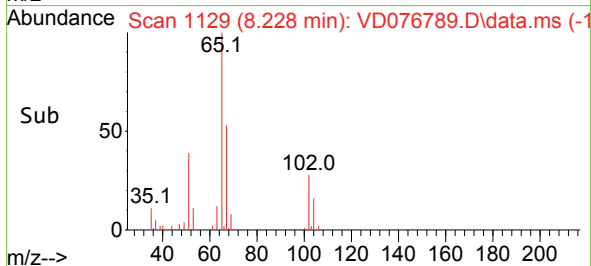
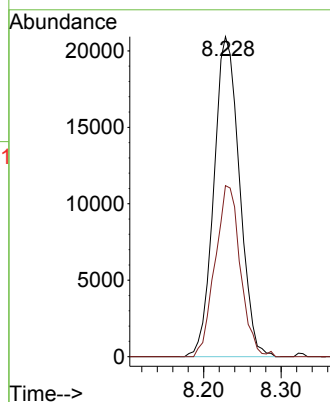
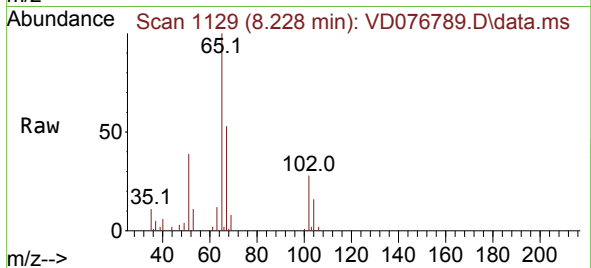
RBR200018

Tgt Ion: 65 Resp: 47982

Ion Ratio Lower Upper

65 100

67 52.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076789.D

Acq: 19 Jul 2023 14:30

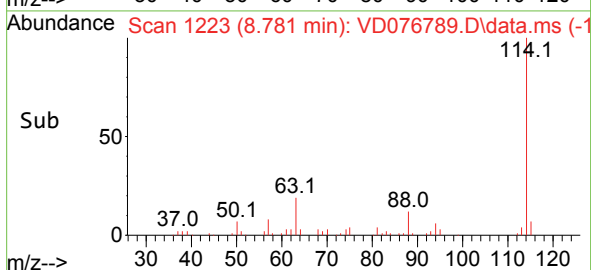
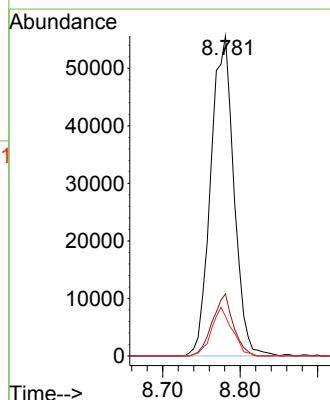
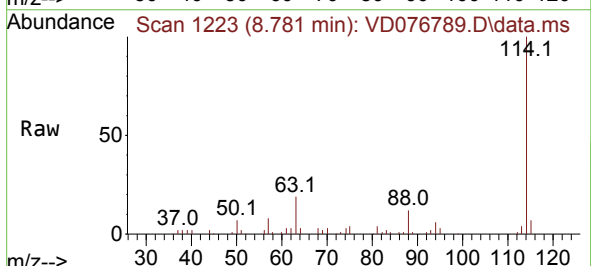
Tgt Ion: 114 Resp: 115209

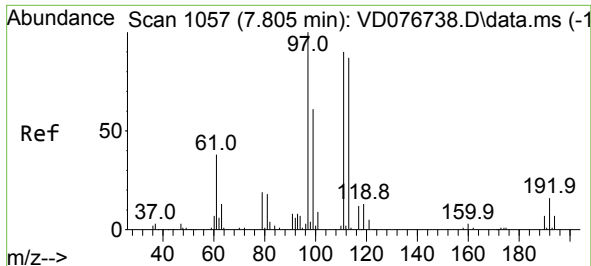
Ion Ratio Lower Upper

114 100

63 19.4 0.0 33.4

88 12.4 0.0 26.2

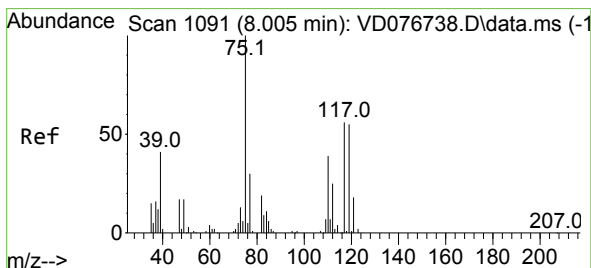
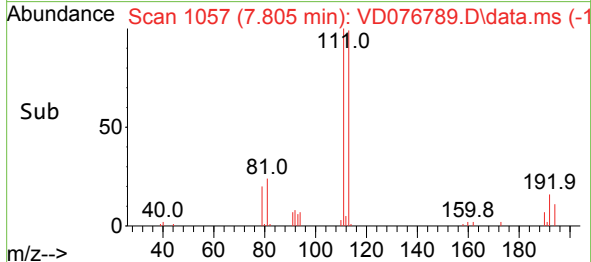
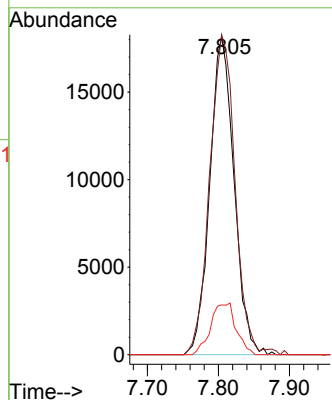
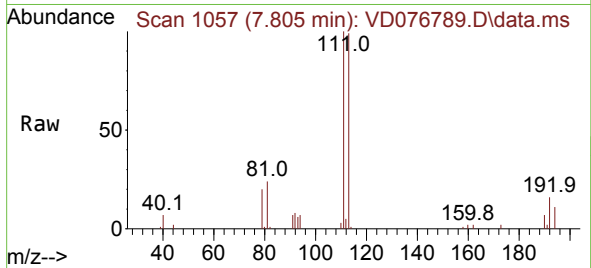




#35
Dibromofluoromethane
Concen: 59.501 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

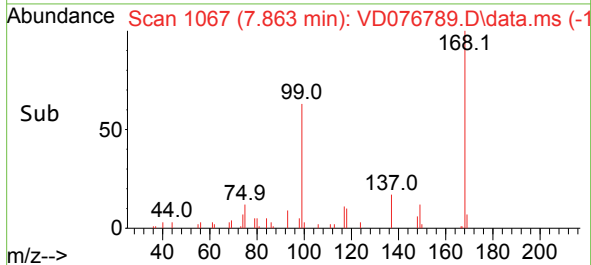
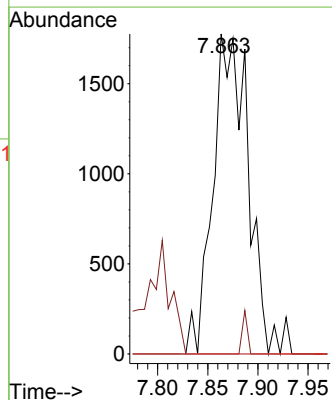
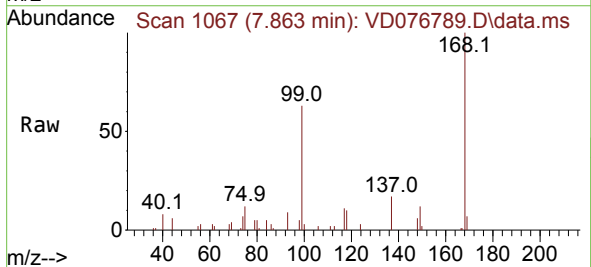
Instrument :
MSVOA_D
ClientSampleId :
RBR200018

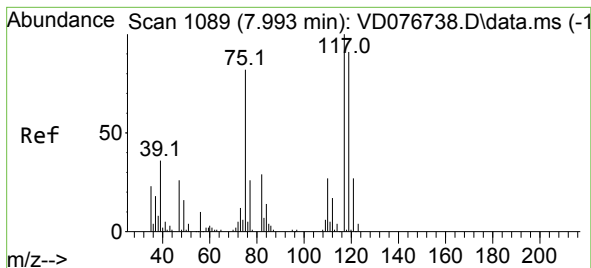
Tgt Ion:113 Resp: 43078
Ion Ratio Lower Upper
113 100
111 104.3 84.7 127.1
192 16.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

Tgt Ion: 75 Resp: 4326
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.671 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD076789.D

Acq: 19 Jul 2023 14:30

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

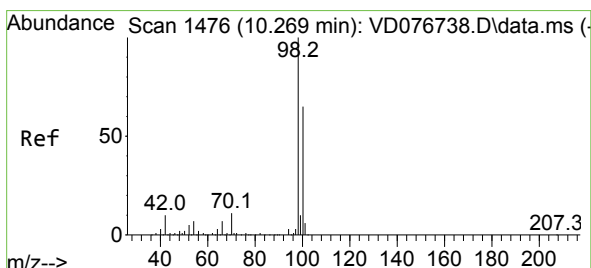
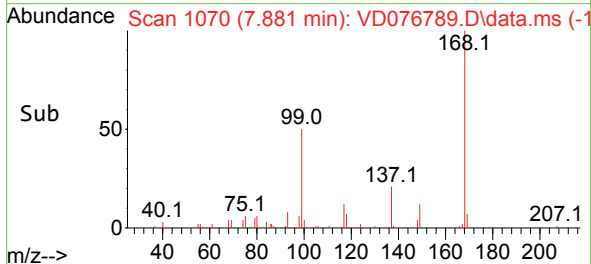
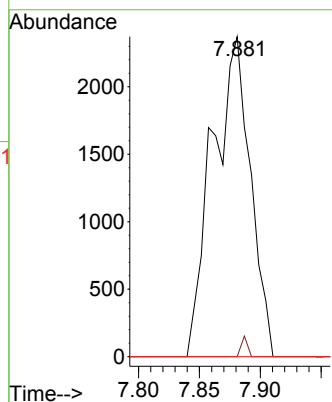
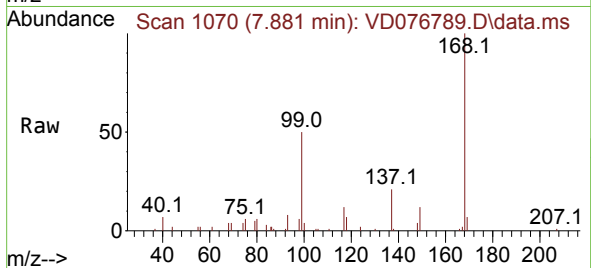
Tgt Ion:117 Resp: 5137

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.133 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076789.D

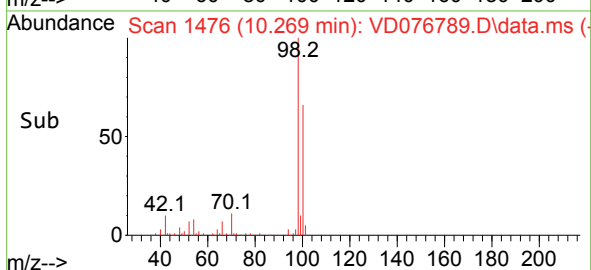
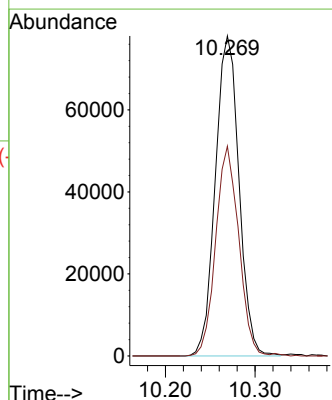
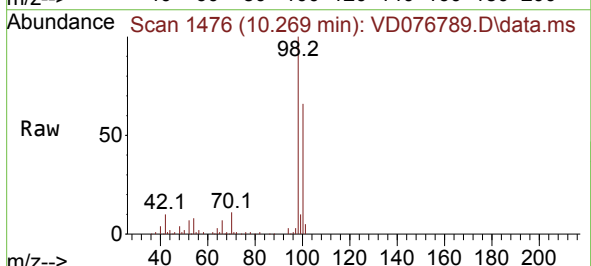
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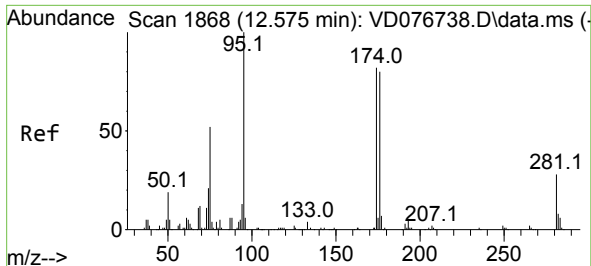
Tgt Ion: 98 Resp: 142793

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

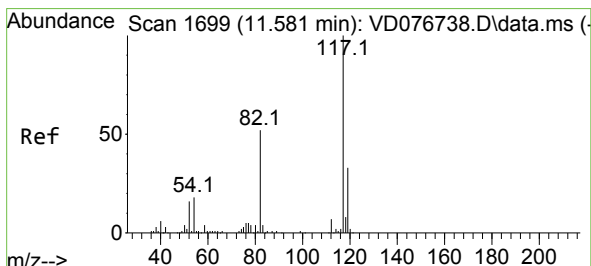
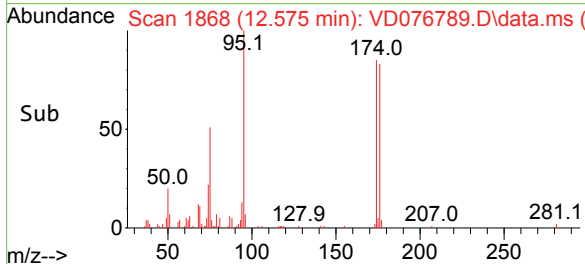
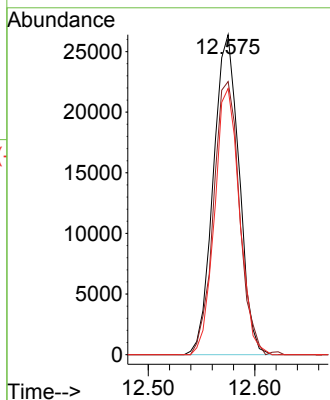
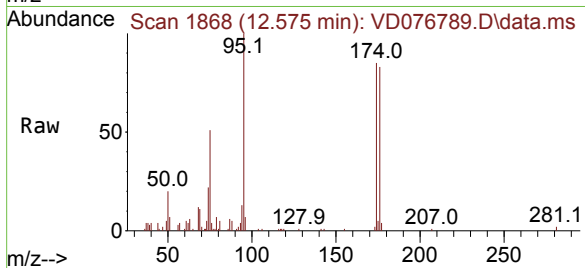




#62
4-Bromofluorobenzene
Concen: 52.996 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

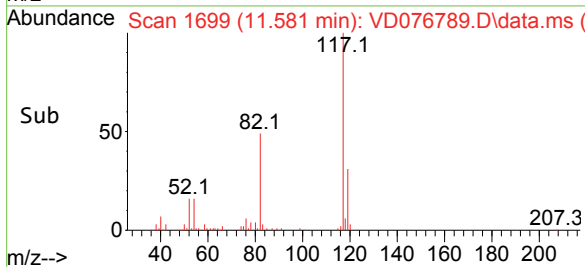
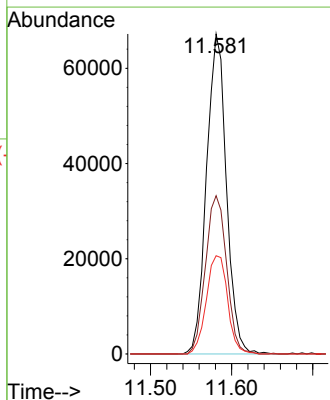
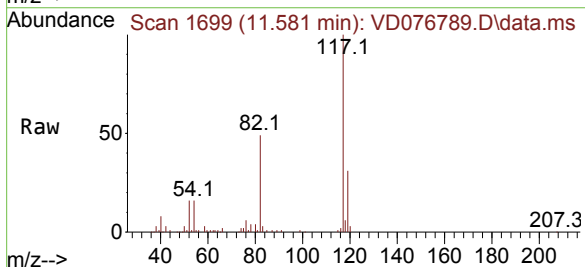
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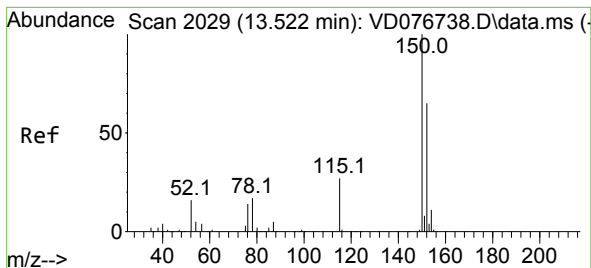
Tgt Ion:	95	Resp:	44403
Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	201.8
176	80.1	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076789.D
Acq: 19 Jul 2023 14:30

Tgt Ion:	117	Resp:	114260
Ion	Ratio	Lower	Upper
117	100		
82	49.5	38.3	57.5
119	30.7	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: VD076789.D

Acq: 19 Jul 2023 14:30

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

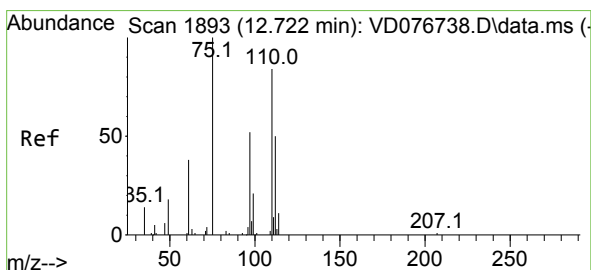
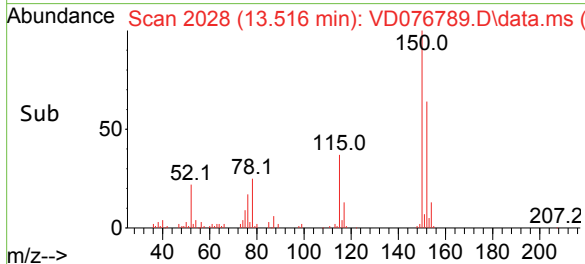
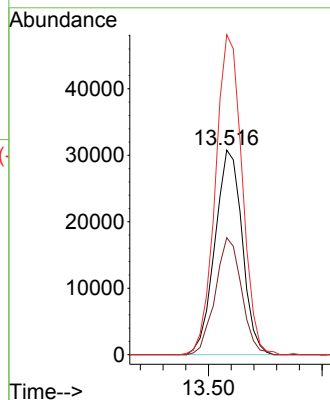
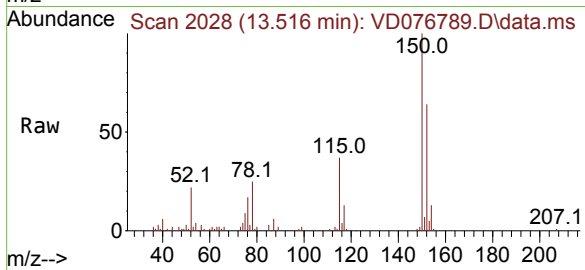
Tgt Ion:152 Resp: 51345

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.3

150 153.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.878 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD076789.D

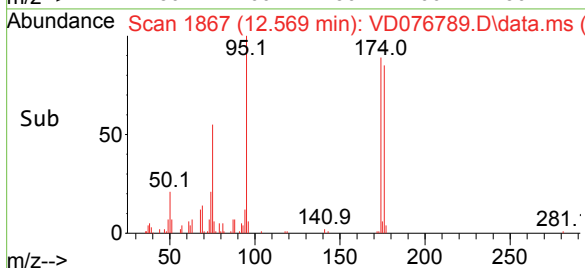
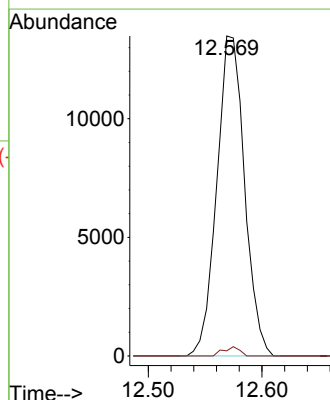
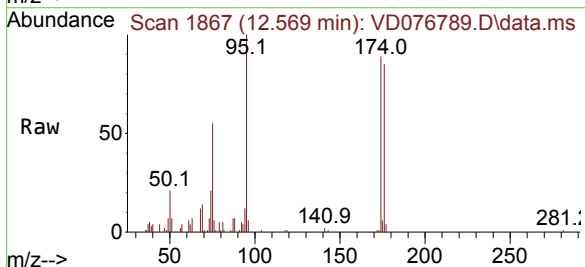
Acq: 19 Jul 2023 14:30

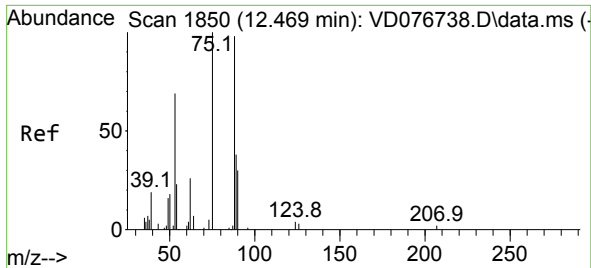
Tgt Ion: 75 Resp: 22890

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.769 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076789.D
 Acq: 19 Jul 2023 14:30

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200018

Tgt Ion: 75 Resp: 22890
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

