

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076797.D
 Acq On : 19 Jul 2023 18:13
 Operator : KP/SY
 Sample : 03625-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR200018

Quant Time: Jul 20 05:01:35 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)

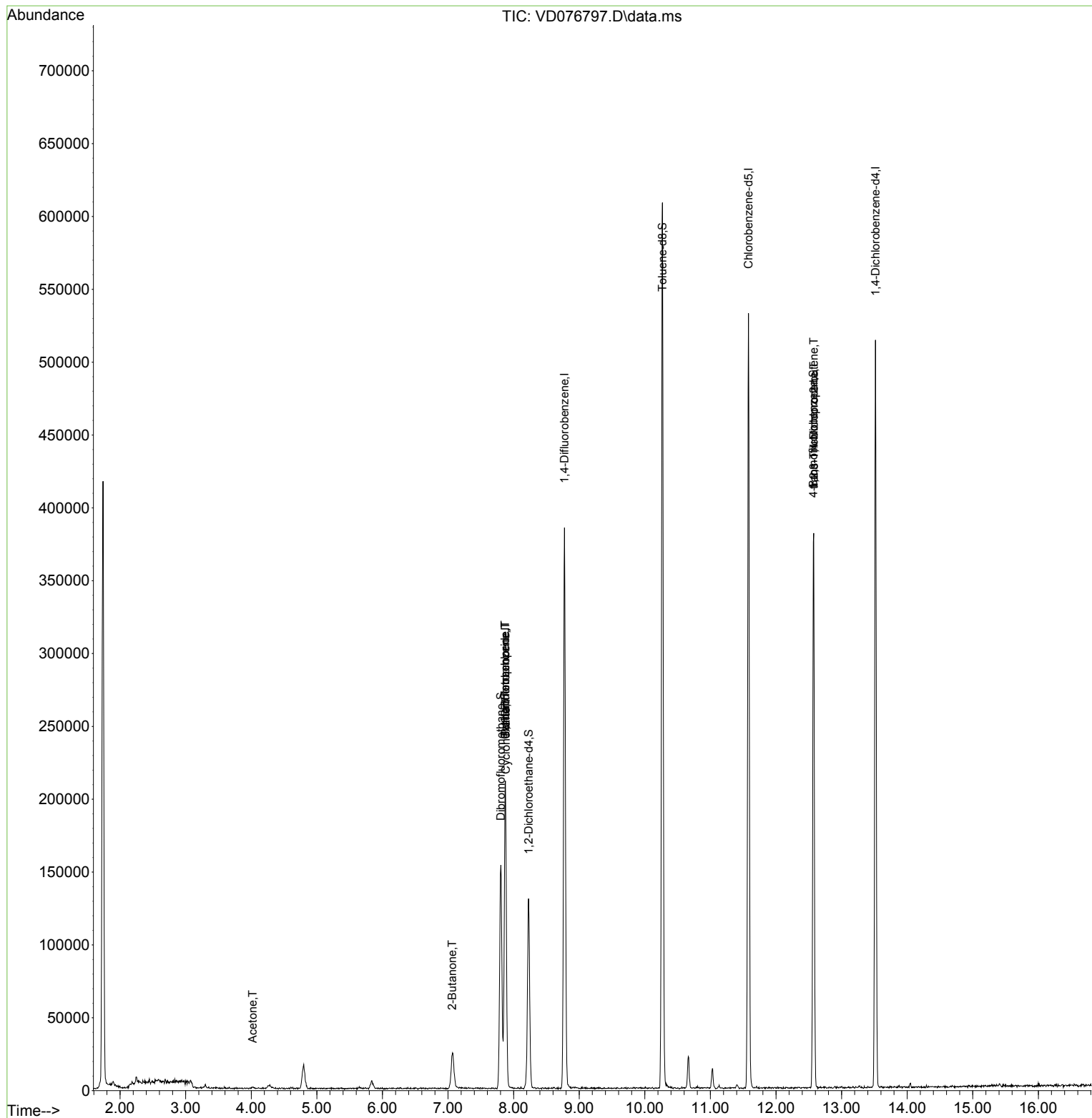
Internal Standards						
1) Pentafluorobenzene	7.875	168	162071	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	346287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	314581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99736	61.784	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	123.560%	
35) Dibromofluoromethane	7.805	113	113981	52.379	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	104.760%	
50) Toluene-d8	10.269	98	426216	54.750	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	109.500%	
62) 4-Bromofluorobenzene	12.569	95	120241	47.746	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	95.500%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	1558	4.041	ug/l	# 86
20) Methylene Chloride	4.793	84	12571	Below Cal		96
25) 2-Butanone	7.063	43	576	1.116	ug/l	# 37
31) Cyclohexane	7.881	56	3169	1.334	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	13514	4.753	ug/l	# 47
38) Carbon Tetrachloride	7.869	117	16657	6.118	ug/l	# 15
76) 1,2,3-Trichloropropane	12.575	75	62245	48.575	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	62245	103.381	ug/l	# 17

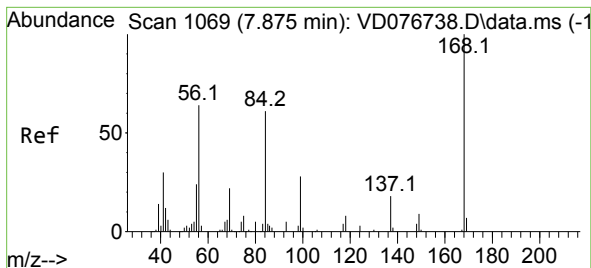
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076797.D

Acq: 19 Jul 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

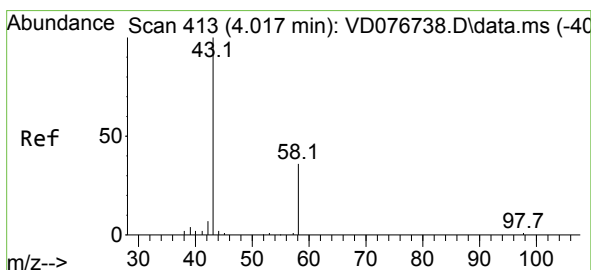
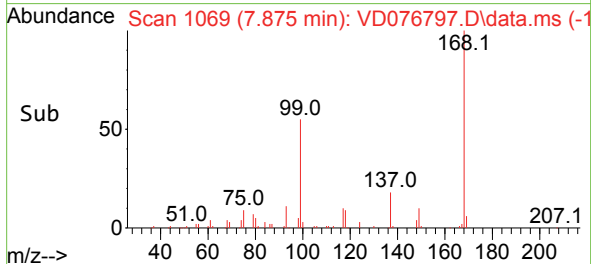
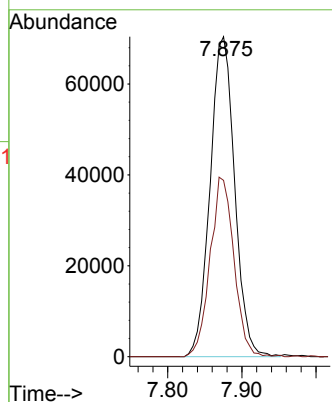
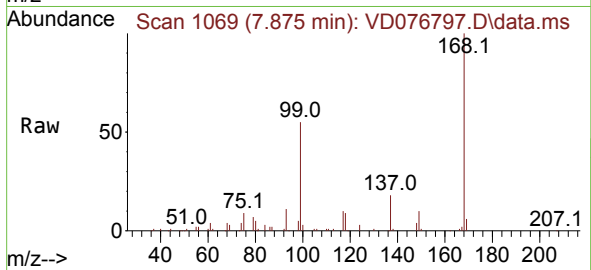
RBR200018

Tgt Ion:168 Resp: 162071

Ion Ratio Lower Upper

168 100

99 55.1 36.7 55.1#



#16

Acetone

Concen: 4.041 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076797.D

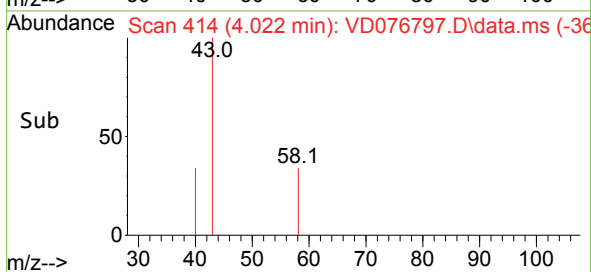
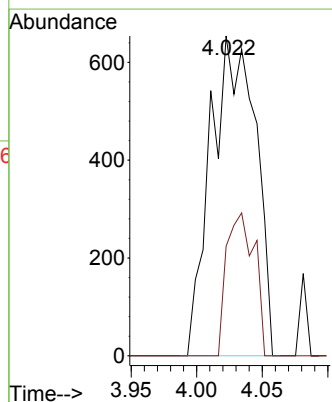
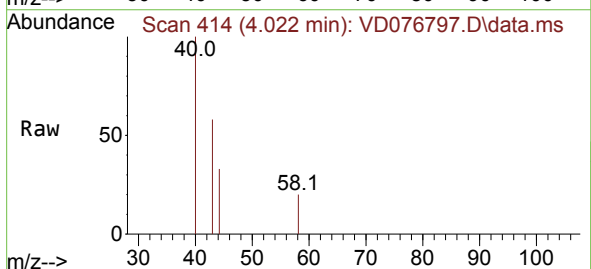
Acq: 19 Jul 2023 18:13

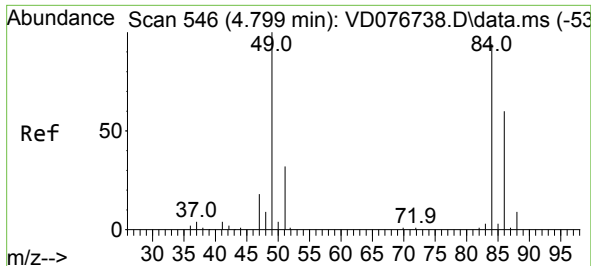
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

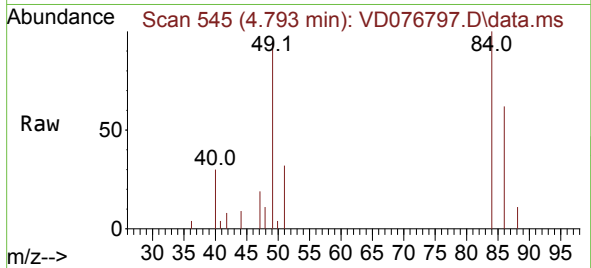
58 34.3 34.7 52.1#





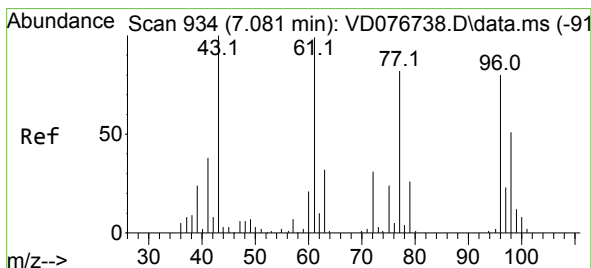
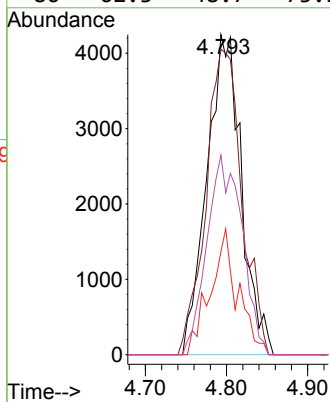
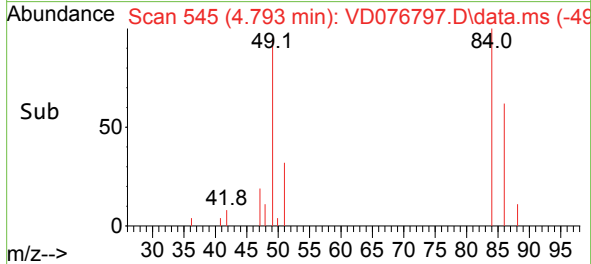
#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :
RBR200018



Tgt Ion: 84 Resp: 12571

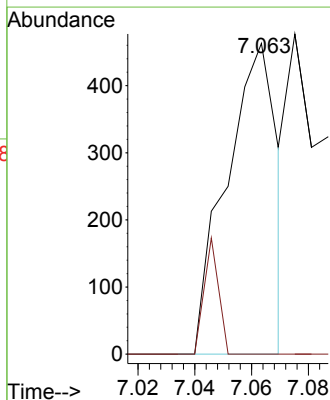
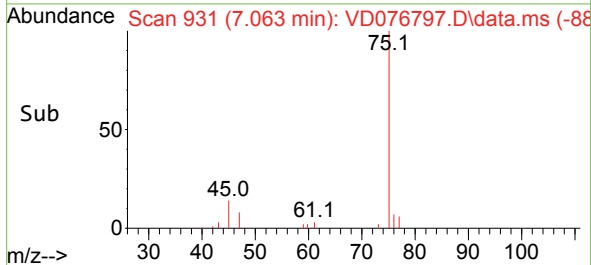
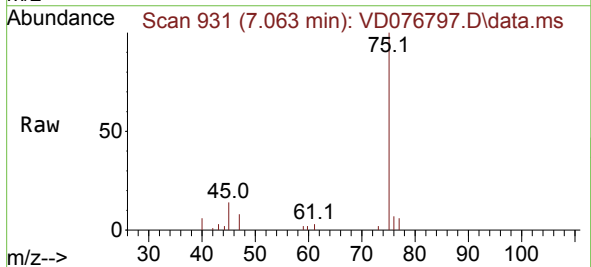
Ion	Ratio	Lower	Upper
84	100		
49	95.4	71.4	107.2
51	32.2	24.5	36.7
86	62.3	48.7	73.1

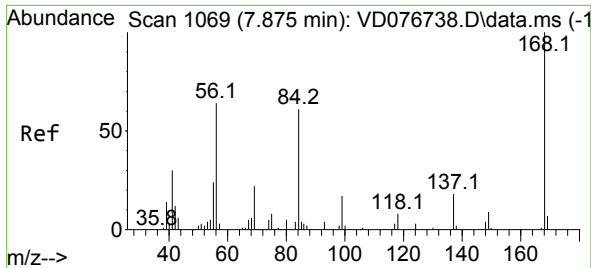


#25
2-Butanone
Concen: 1.116 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 43 Resp: 576

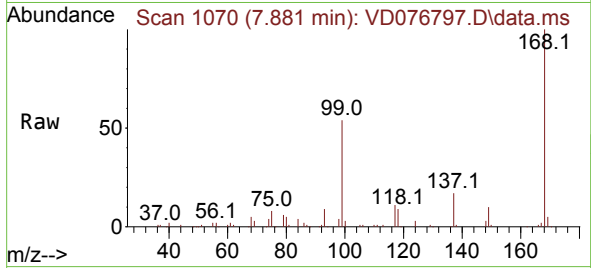
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



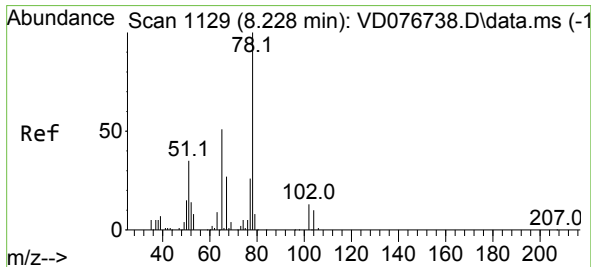
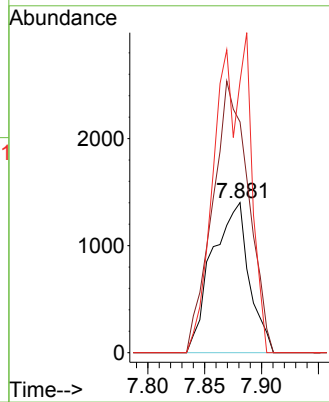
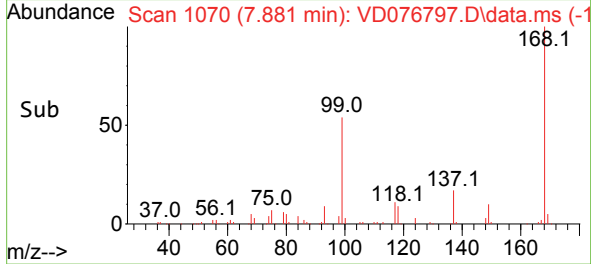


#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :
RBR200018

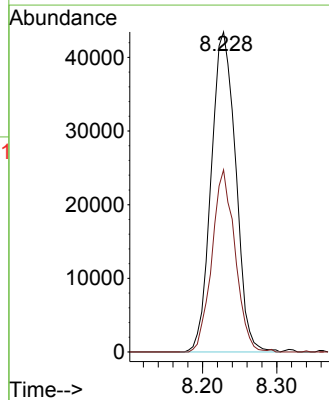
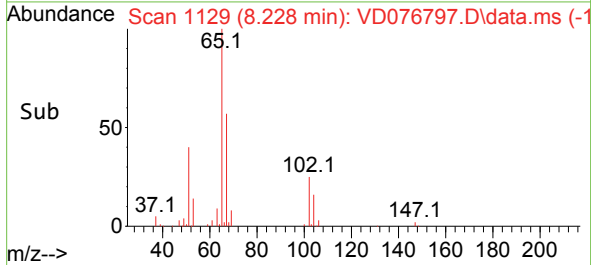
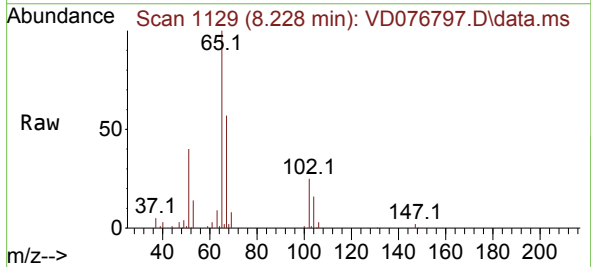


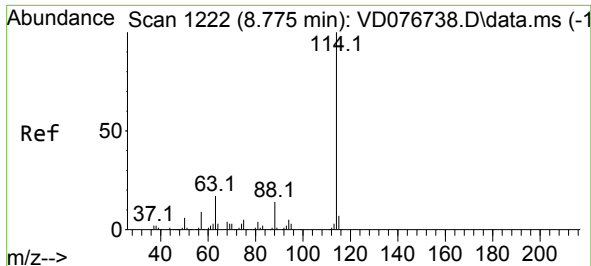
Tgt Ion: 56 Resp: 3169
Ion Ratio Lower Upper
56 100
69 153.7 28.6 43.0#
84 180.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 61.784 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 65 Resp: 99736
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0

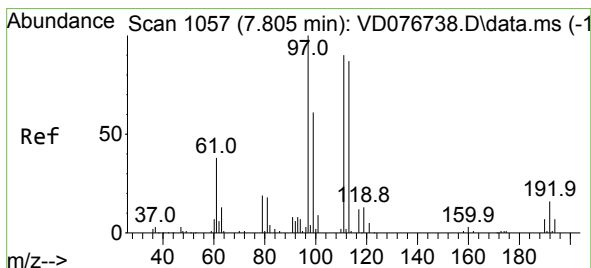
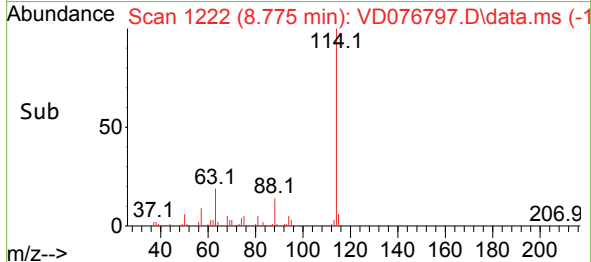
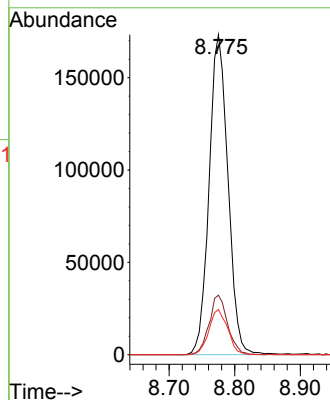
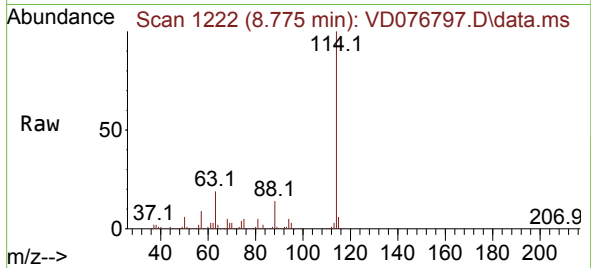




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

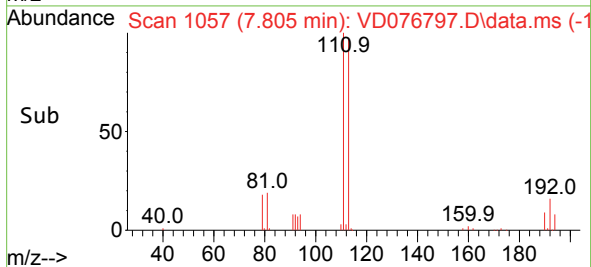
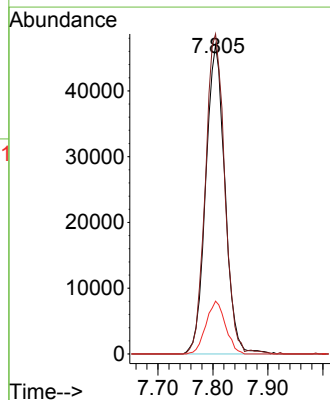
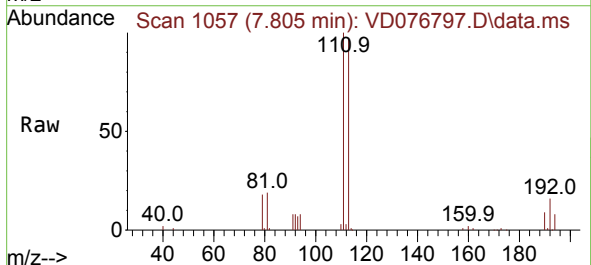
Instrument :
MSVOA_D
ClientSampleId :
RBR200018

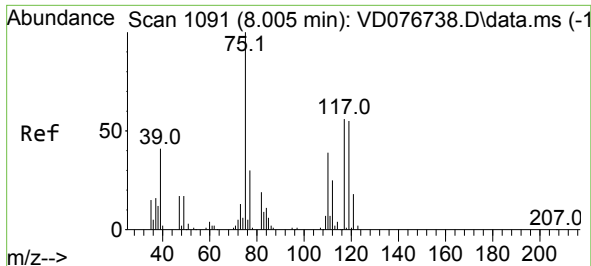
Tgt Ion:114 Resp: 346287
Ion Ratio Lower Upper
114 100
63 18.6 0.0 33.4
88 14.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 52.379 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion:113 Resp: 113981
Ion Ratio Lower Upper
113 100
111 103.5 84.7 127.1
192 17.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076797.D

Acq: 19 Jul 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

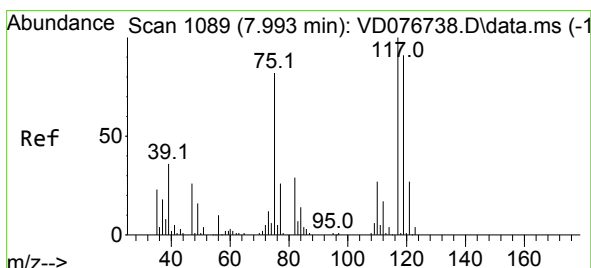
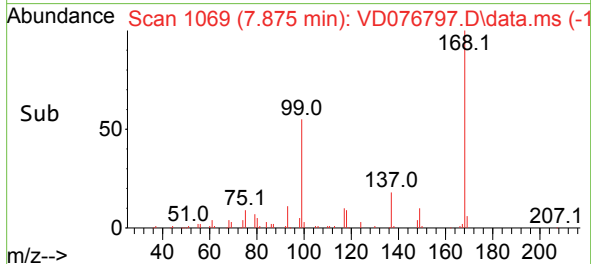
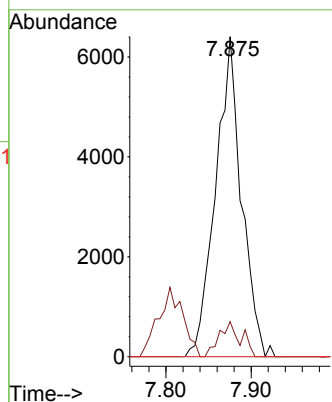
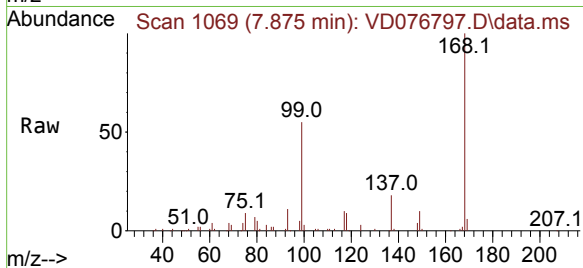
Tgt Ion: 75 Resp: 13514

Ion Ratio Lower Upper

75 100

110 9.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076797.D

Acq: 19 Jul 2023 18:13

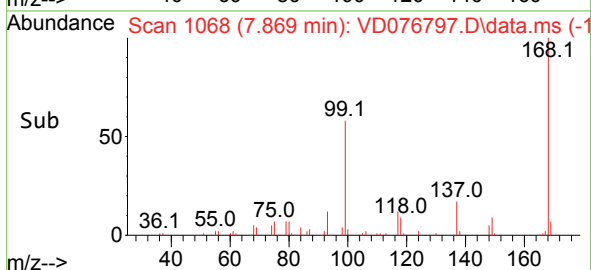
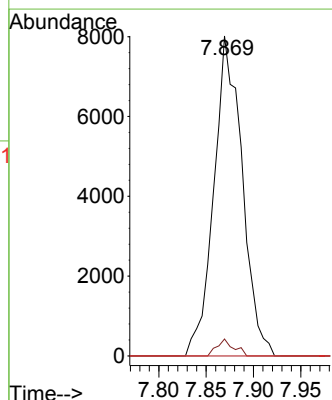
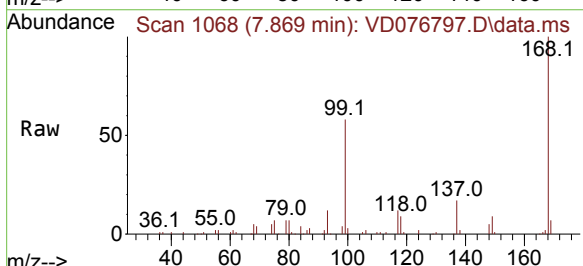
Tgt Ion: 117 Resp: 16657

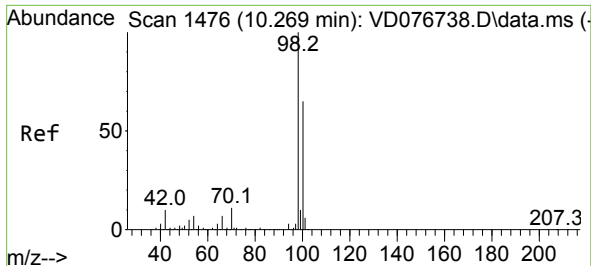
Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

121 0.0 24.2 36.2#

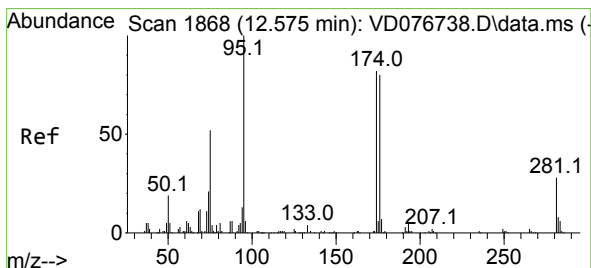
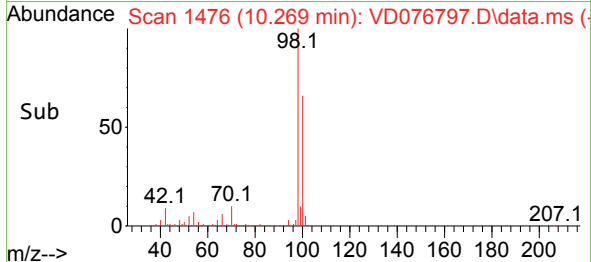
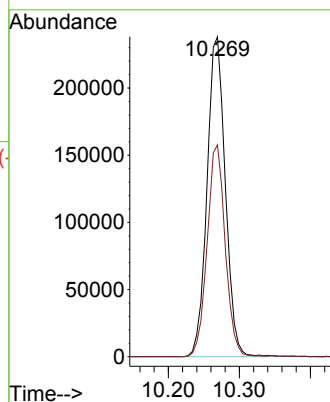
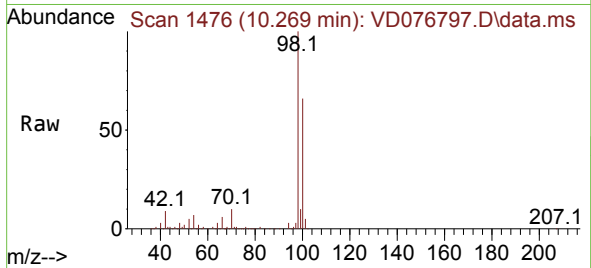




#50
Toluene-d8
Concen: 54.750 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

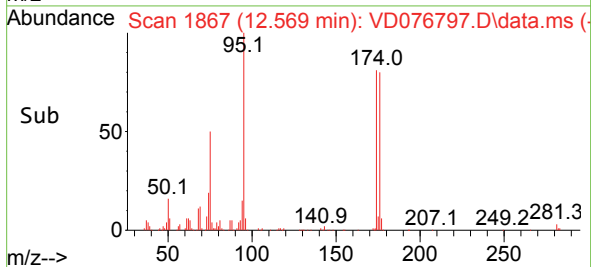
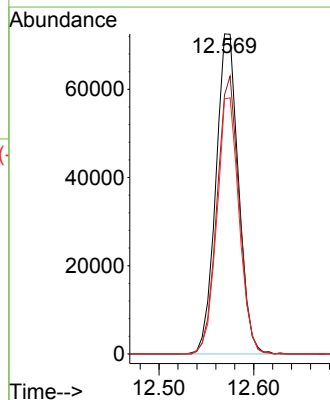
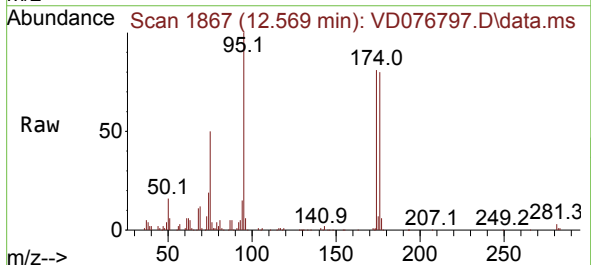
Instrument :
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RBR200018

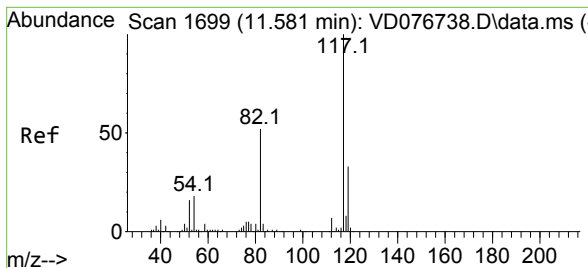
Tgt Ion: 98 Resp: 426216
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.746 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 95 Resp: 120241
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 78.9 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: VD076797.D

Acq: 19 Jul 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

RBR200018

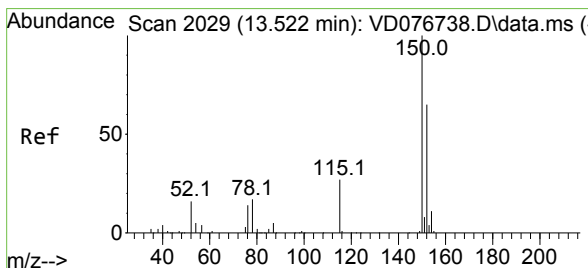
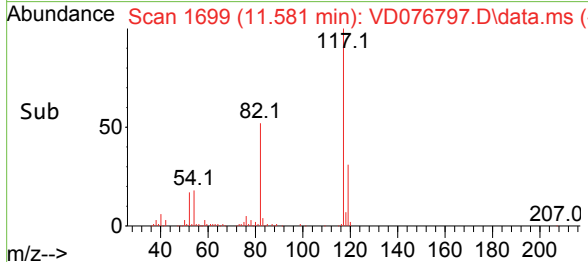
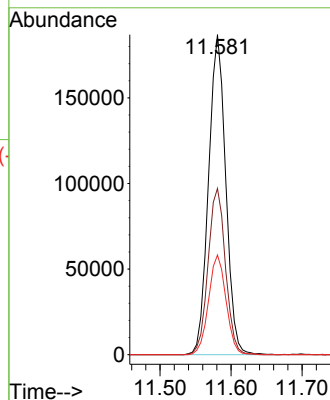
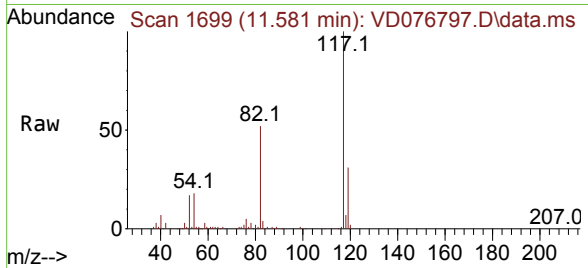
Tgt Ion:117 Resp: 314581

Ion Ratio Lower Upper

117 100

82 51.9 38.3 57.5

119 31.2 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: VD076797.D

Acq: 19 Jul 2023 18:13

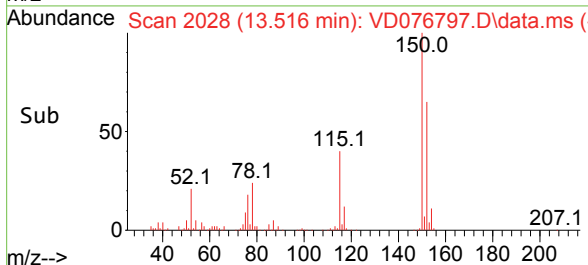
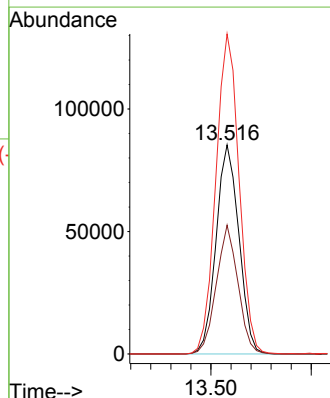
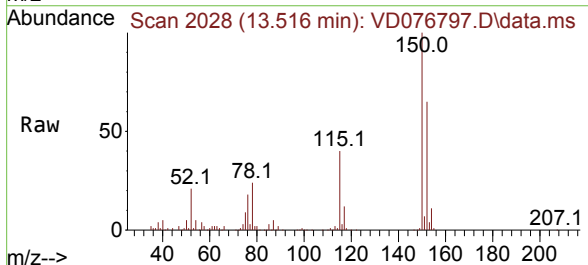
Tgt Ion:152 Resp: 134745

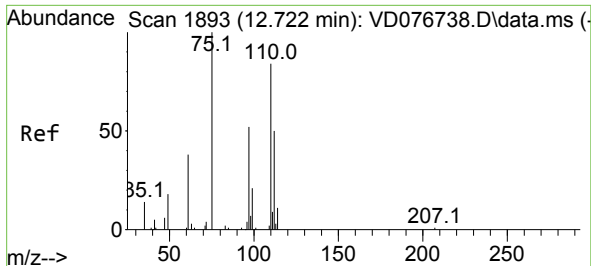
Ion Ratio Lower Upper

152 100

115 58.5 27.1 81.3

150 155.4 0.0 353.6

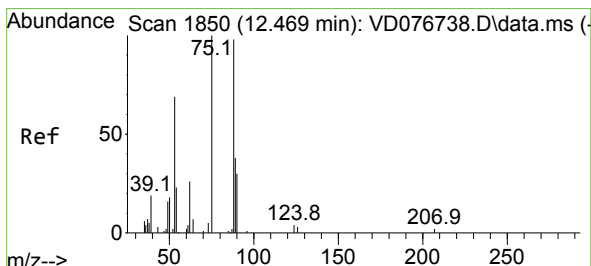
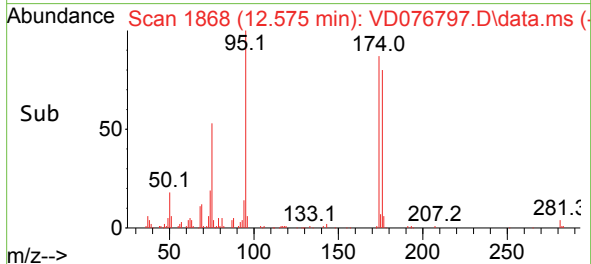
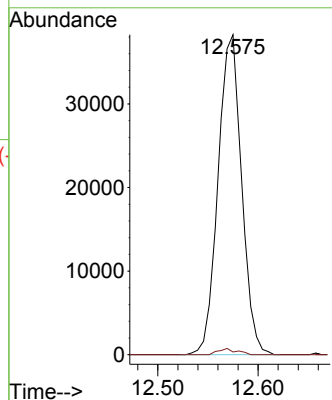
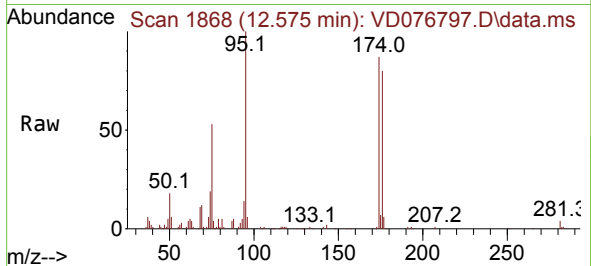




#76
1,2,3-Trichloropropane
Concen: 48.575 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :
RBR200018

Tgt Ion: 75 Resp: 62245
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.381 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076797.D
Acq: 19 Jul 2023 18:13

Tgt Ion: 75 Resp: 62245
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

