

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072889.D
 Acq On : 09 May 2022 14:31
 Operator : VA/SY
 Sample : N2648-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-346

Quant Time: May 09 16:12:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

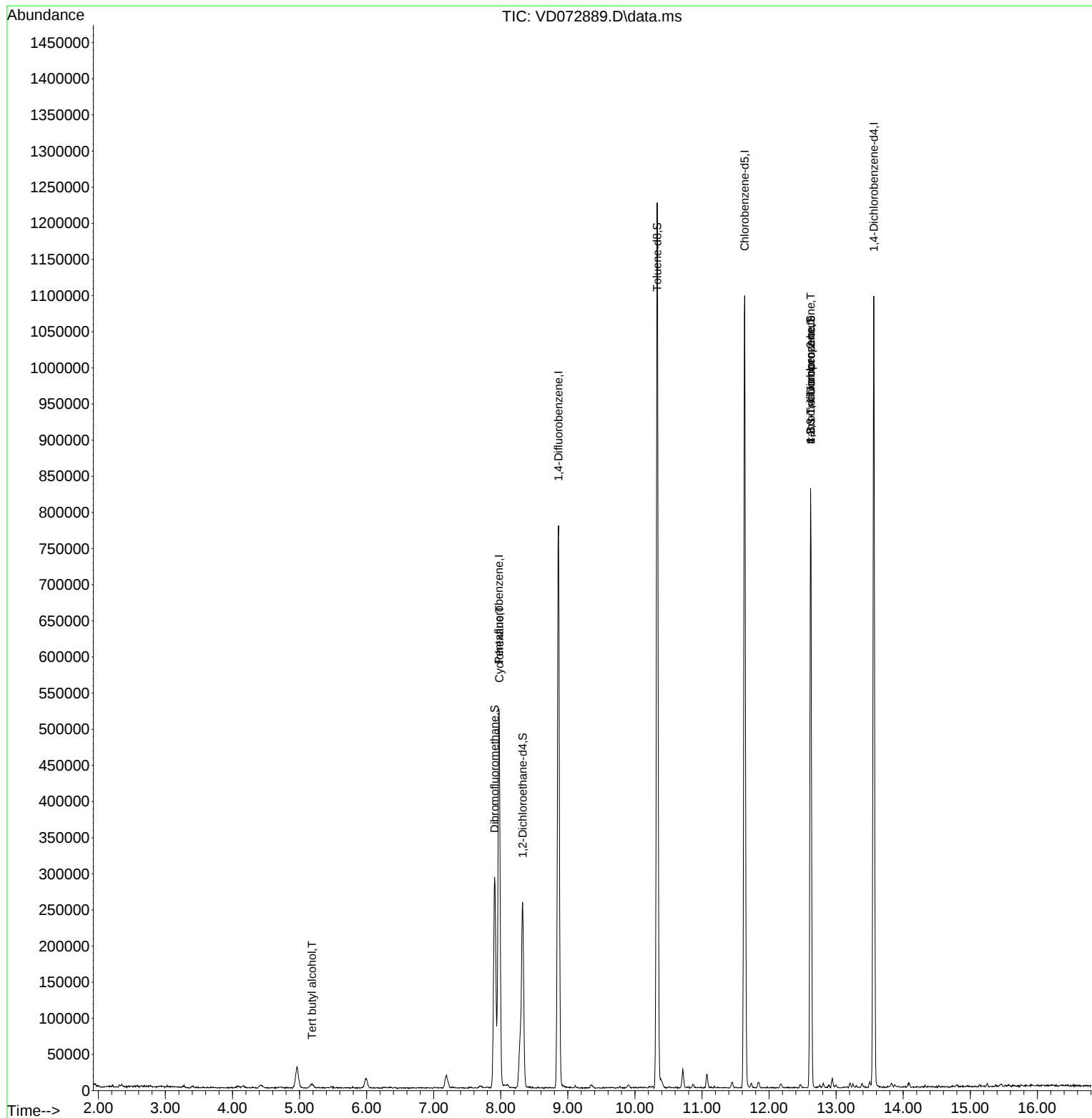
Internal Standards						
1) Pentafluorobenzene	7.973	168	377508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	661701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	629428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197103	40.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.440%
35) Dibromofluoromethane	7.908	113	214694	46.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.400%
50) Toluene-d8	10.332	98	800710	48.033	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.060%
62) 4-Bromofluorobenzene	12.620	95	275369	44.302	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.600%
Target Compounds						
5) Bromomethane	2.773	94	1448	Below Cal		81
11) Tert butyl alcohol	5.185	59	5741	13.541 ug/l #		74
13) Acrolein	3.926	56	66	Below Cal #		14
16) Acetone	4.162	43	4168	Below Cal		97
18) Methyl Acetate	4.656	43	59	Below Cal #		55
20) Methylene Chloride	4.961	84	20953	Below Cal #		85
31) Cyclohexane	7.979	56	9621	1.123 ug/l #		14
76) 1,2,3-Trichloropropane	12.620	75	141936	45.683 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	141936	105.052 ug/l #		7

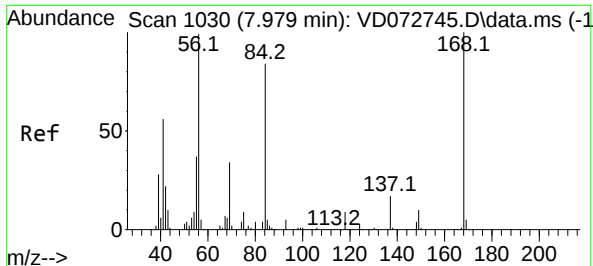
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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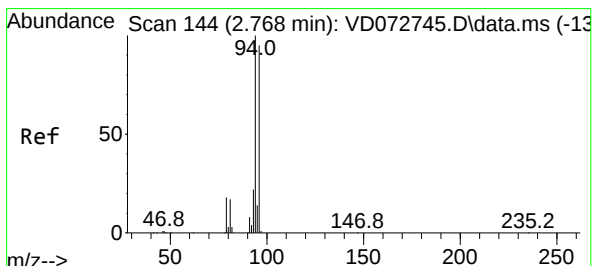
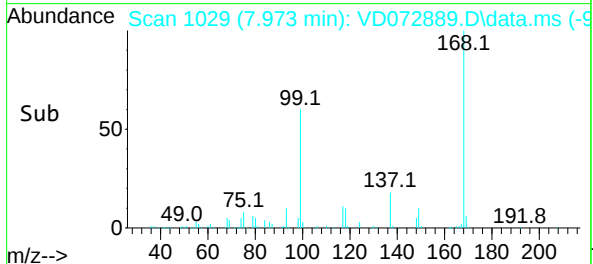
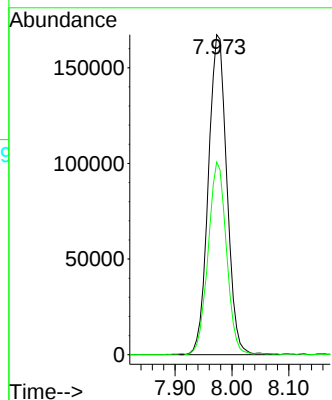
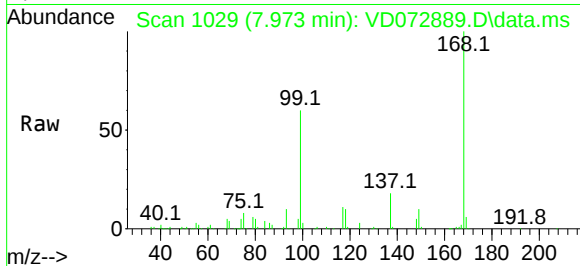




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

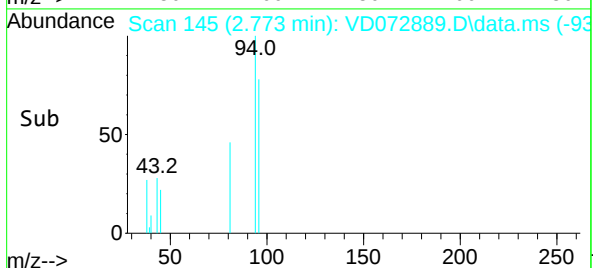
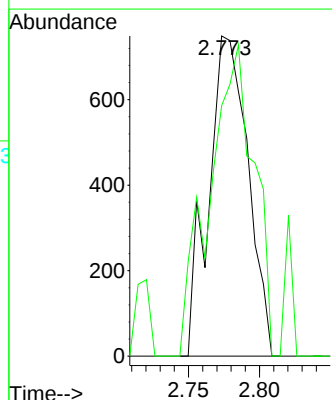
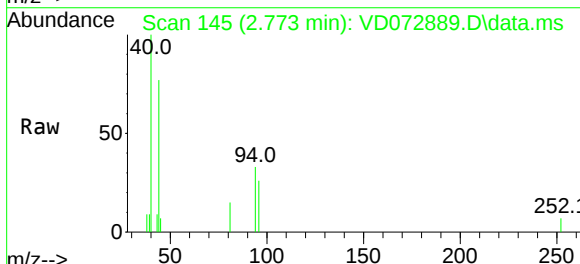
Instrument :
MSVOA_D
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RBR-346

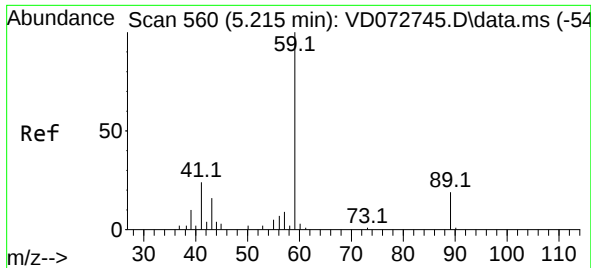
Tgt Ion:168 Resp: 377508
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion: 94 Resp: 1448
Ion Ratio Lower Upper
94 100
96 78.2 77.6 116.4

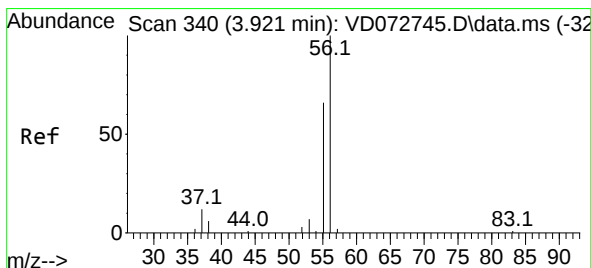
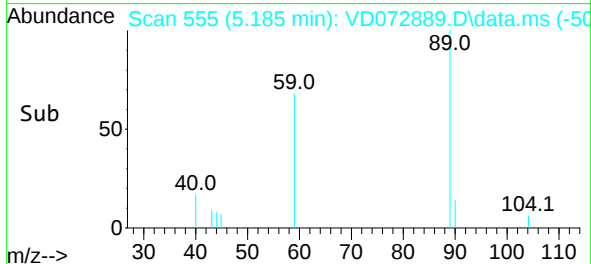
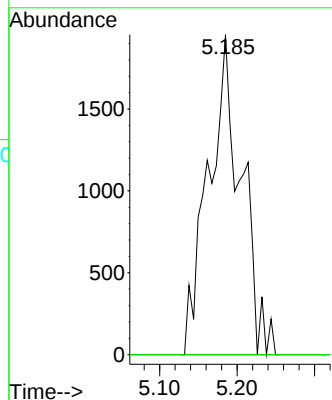
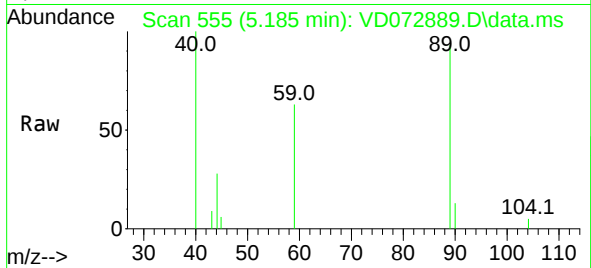




#11
Tert butyl alcohol
Concen: 13.541 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

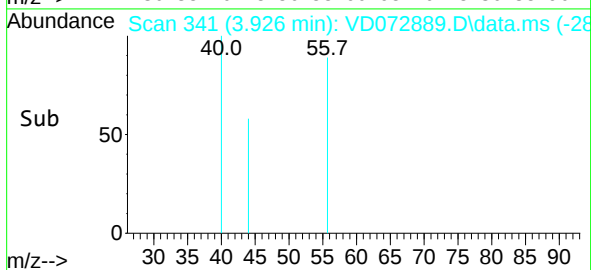
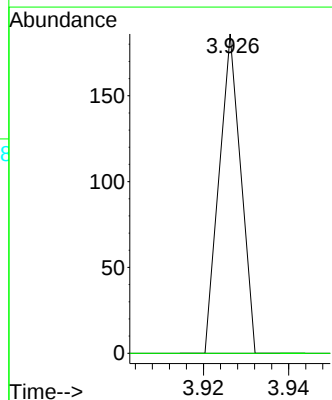
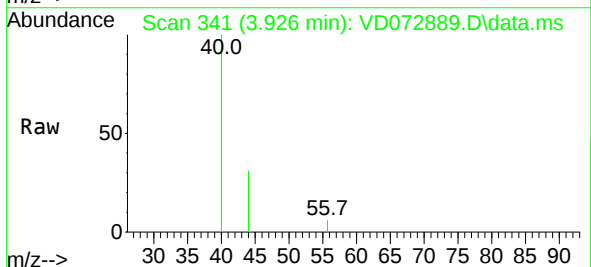
Instrument :
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ClientSampleId :
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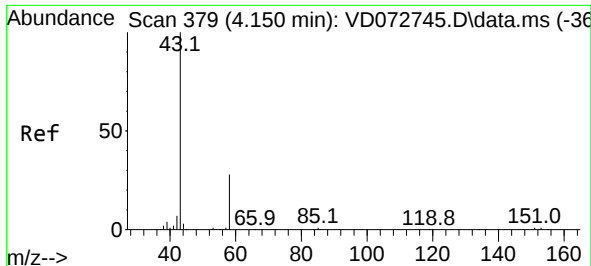
Tgt Ion: 59 Resp: 5741
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.926 min Scan# 341
Delta R.T. 0.005 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

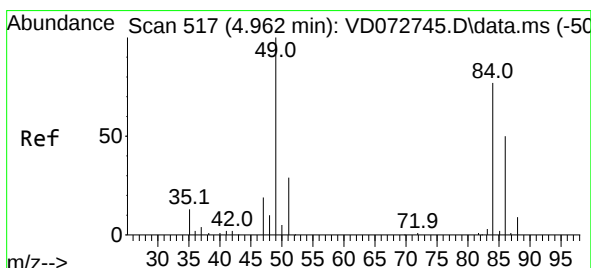
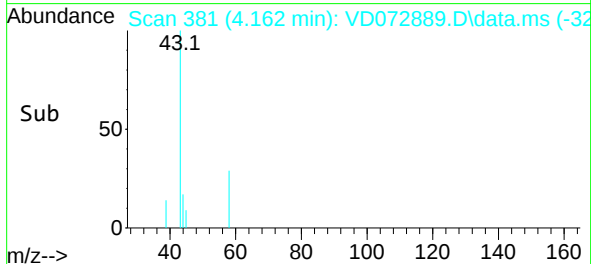
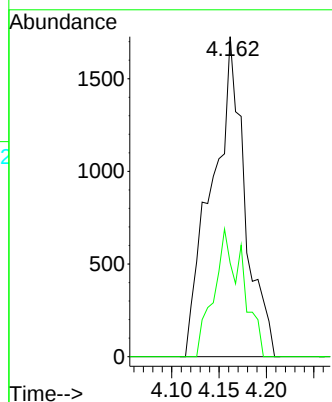
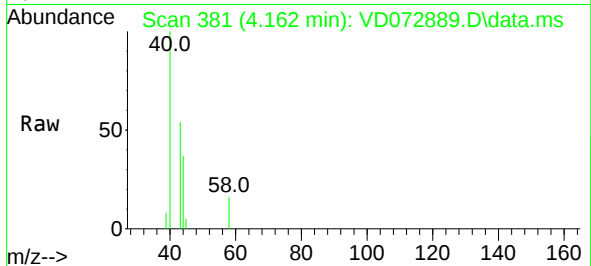




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

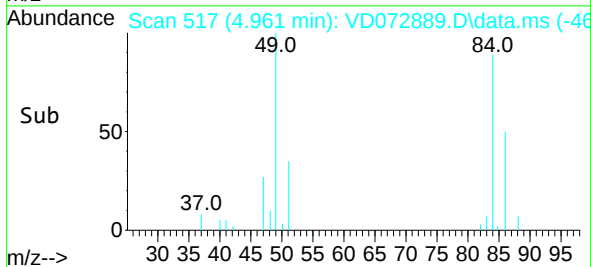
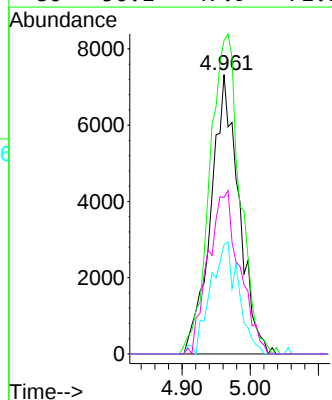
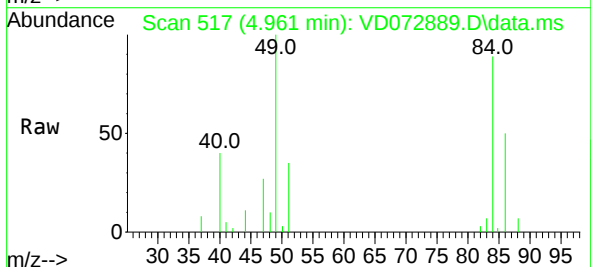
Instrument :
MSVOA_D
ClientSampleId :
RBR-346

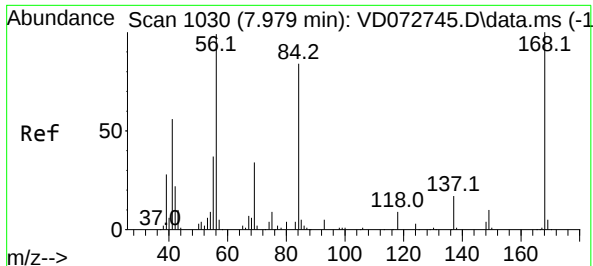
Tgt Ion: 43 Resp: 4168
Ion Ratio Lower Upper
43 100
58 29.3 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

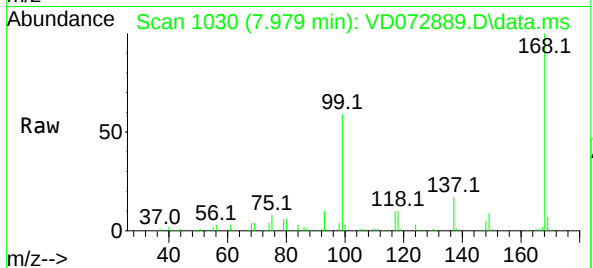
Tgt Ion: 84 Resp: 20953
Ion Ratio Lower Upper
84 100
49 112.2 112.8 169.2#
51 39.2 32.6 48.8
86 56.1 47.9 71.9



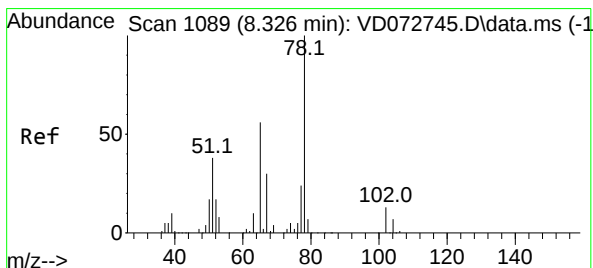
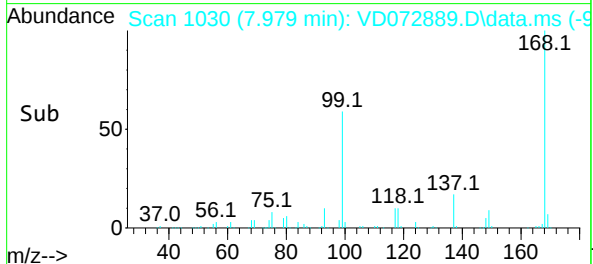
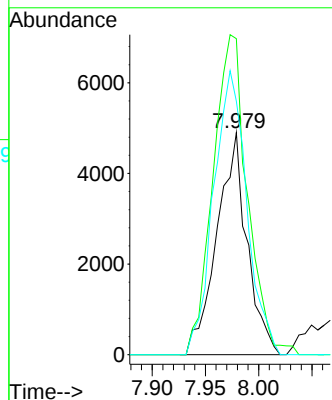


#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
RBR-346

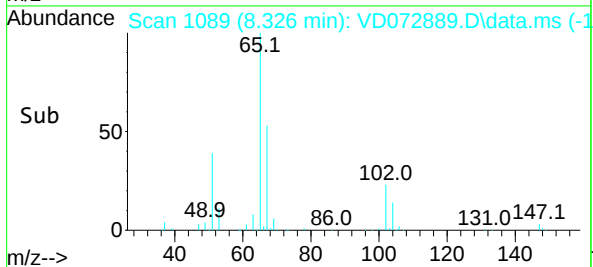
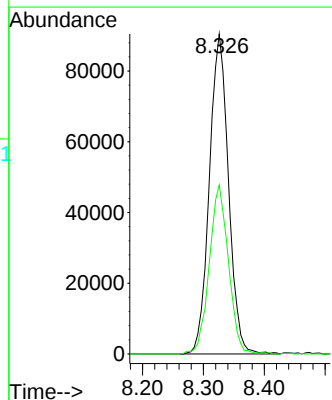
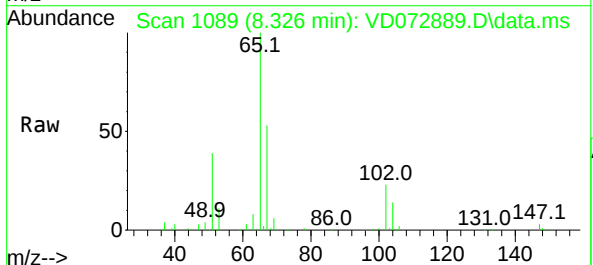


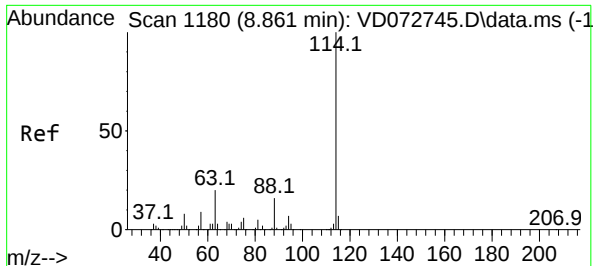
Tgt Ion: 56 Resp: 9621
Ion Ratio Lower Upper
56 100
69 142.3 25.4 38.2#
84 114.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 40.222 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion: 65 Resp: 197103
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072889.D

Acq: 09 May 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

RBR-346

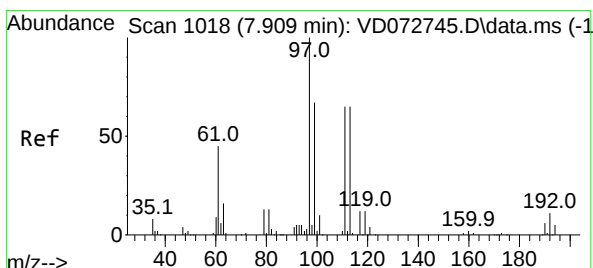
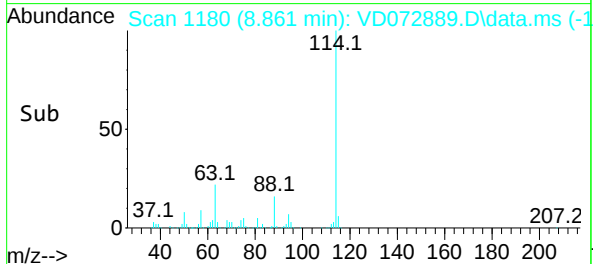
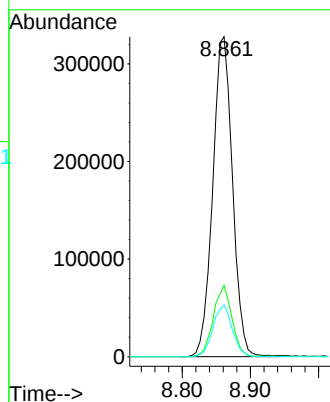
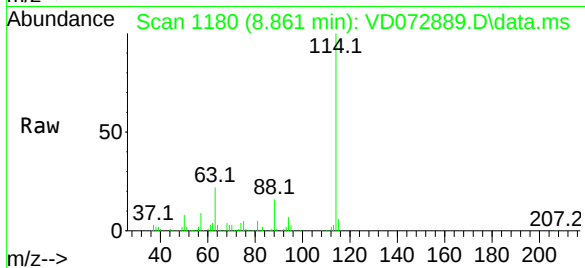
Tgt Ion:114 Resp: 661701

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.199 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072889.D

Acq: 09 May 2022 14:31

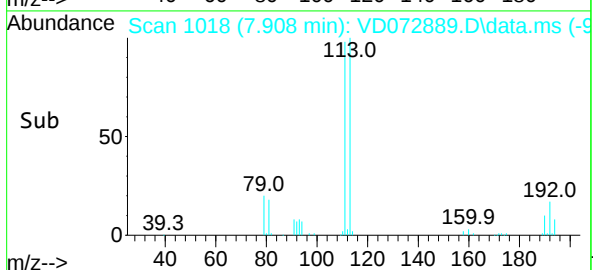
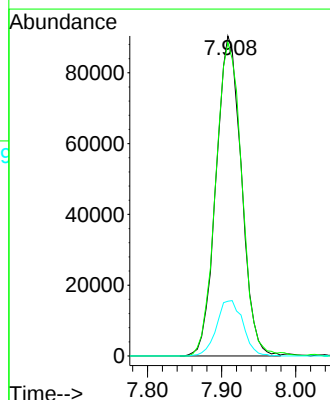
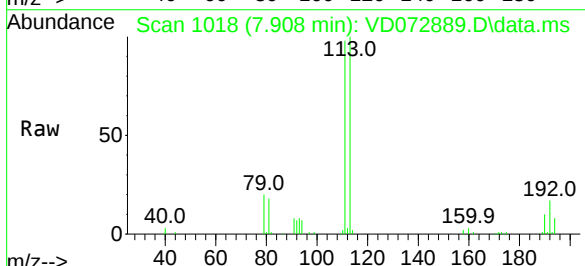
Tgt Ion:113 Resp: 214694

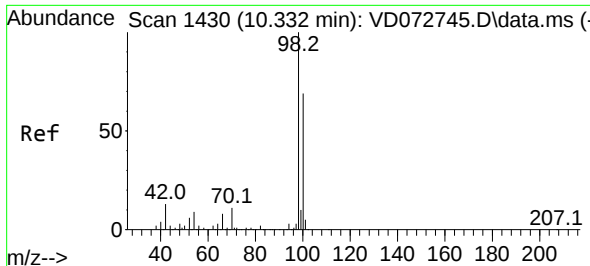
Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 18.0 14.6 21.8

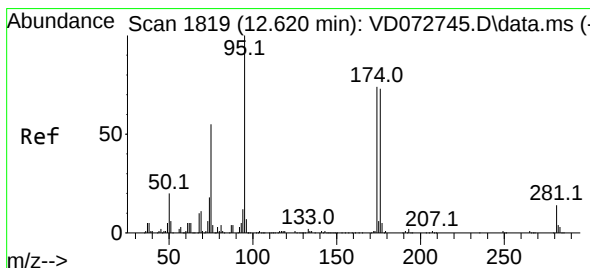
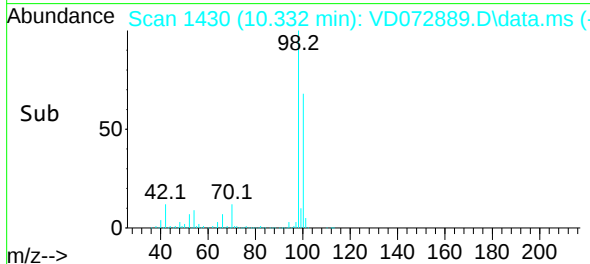
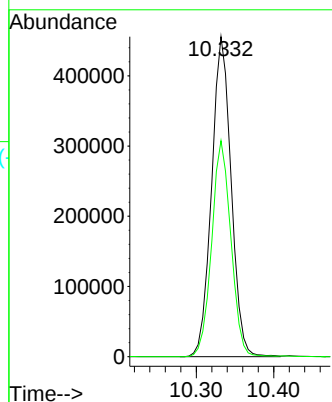
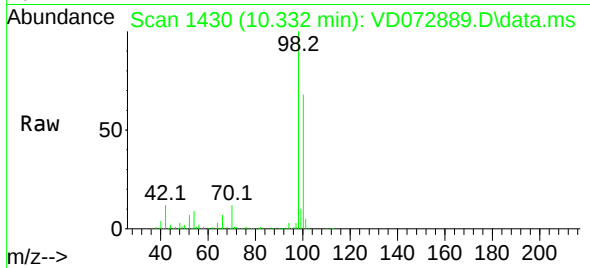




#50
Toluene-d8
Concen: 48.033 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

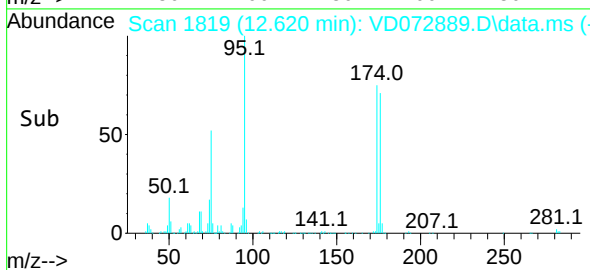
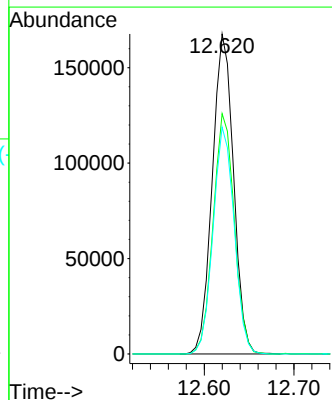
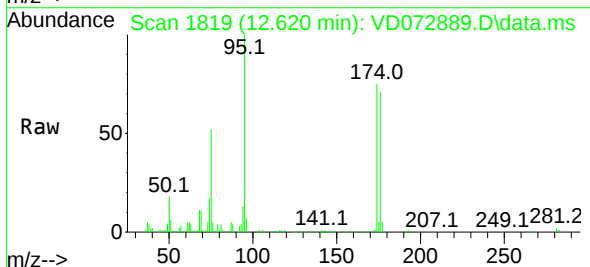
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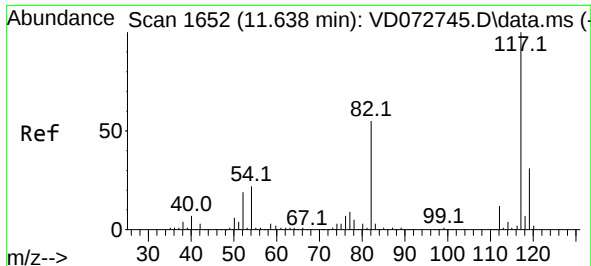
Tgt Ion: 98 Resp: 800710
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.302 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion: 95 Resp: 275369
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.8
176 70.5 0.0 145.4

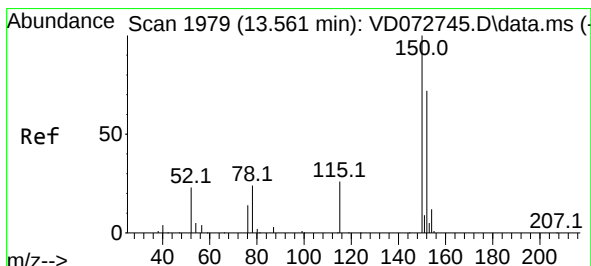
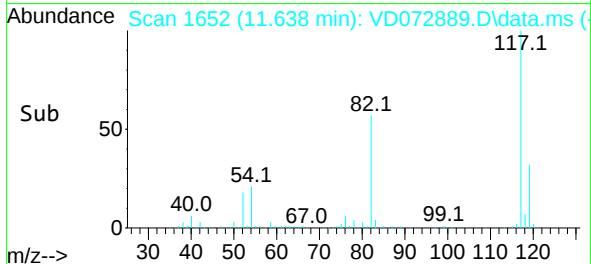
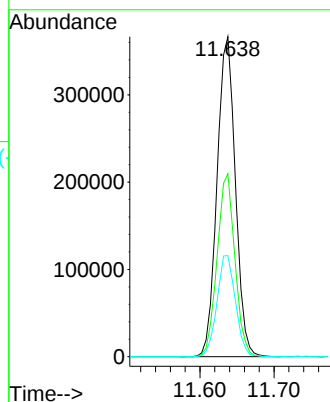
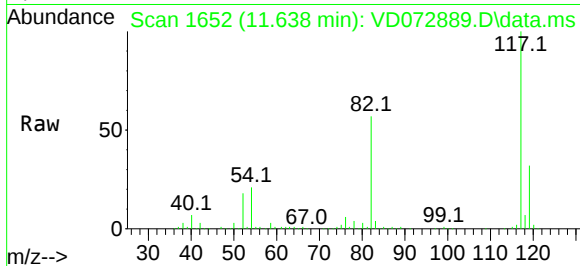




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

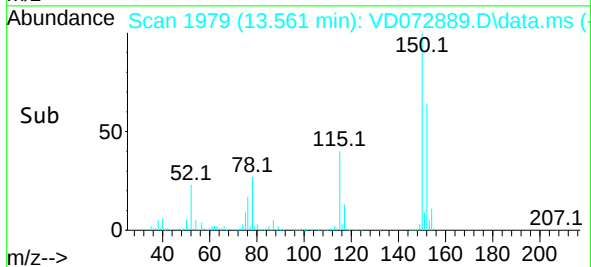
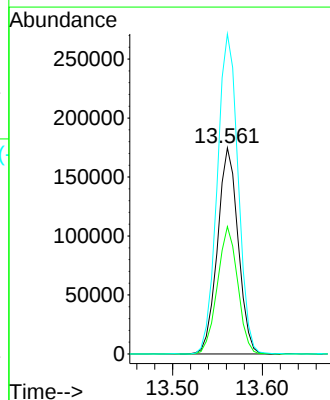
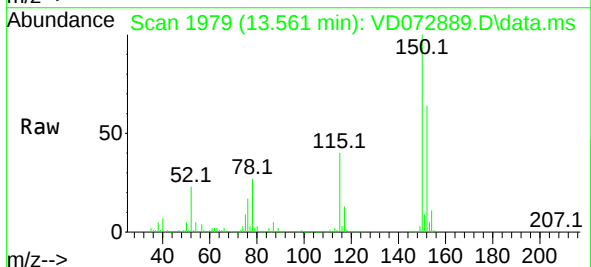
Instrument :
MSVOA_D
ClientSampleId :
RBR-346

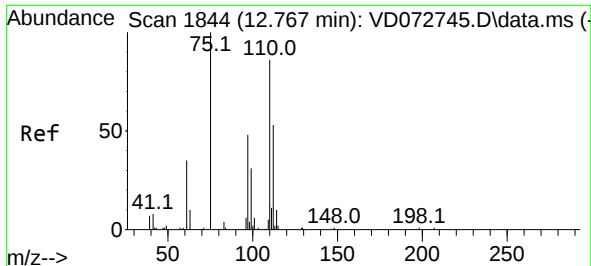
Tgt Ion:117 Resp: 629428
Ion Ratio Lower Upper
117 100
82 57.2 45.3 67.9
119 31.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion:152 Resp: 278638
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.8
150 157.2 0.0 348.6

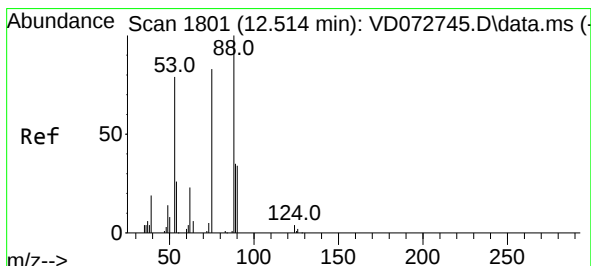
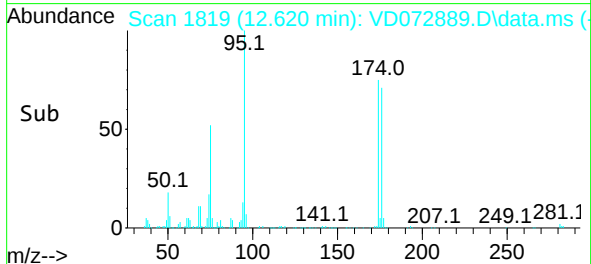
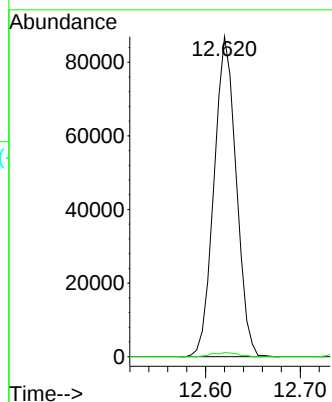
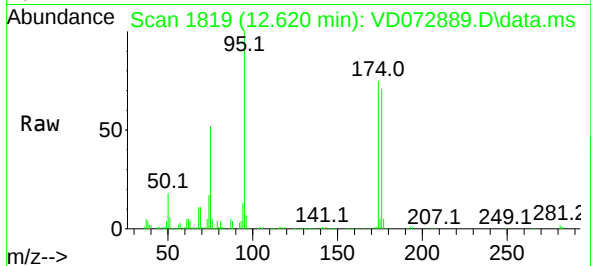




#76
1,2,3-Trichloropropane
Concen: 45.683 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
RBR-346

Tgt Ion: 75 Resp: 141936
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.052 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072889.D
Acq: 09 May 2022 14:31

Tgt Ion: 75 Resp: 141936
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

