

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072454.D
 Acq On : 28 Mar 2022 19:47
 Operator : VA/SY
 Sample : N2103-05
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200031

Quant Time: Mar 29 01:31:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

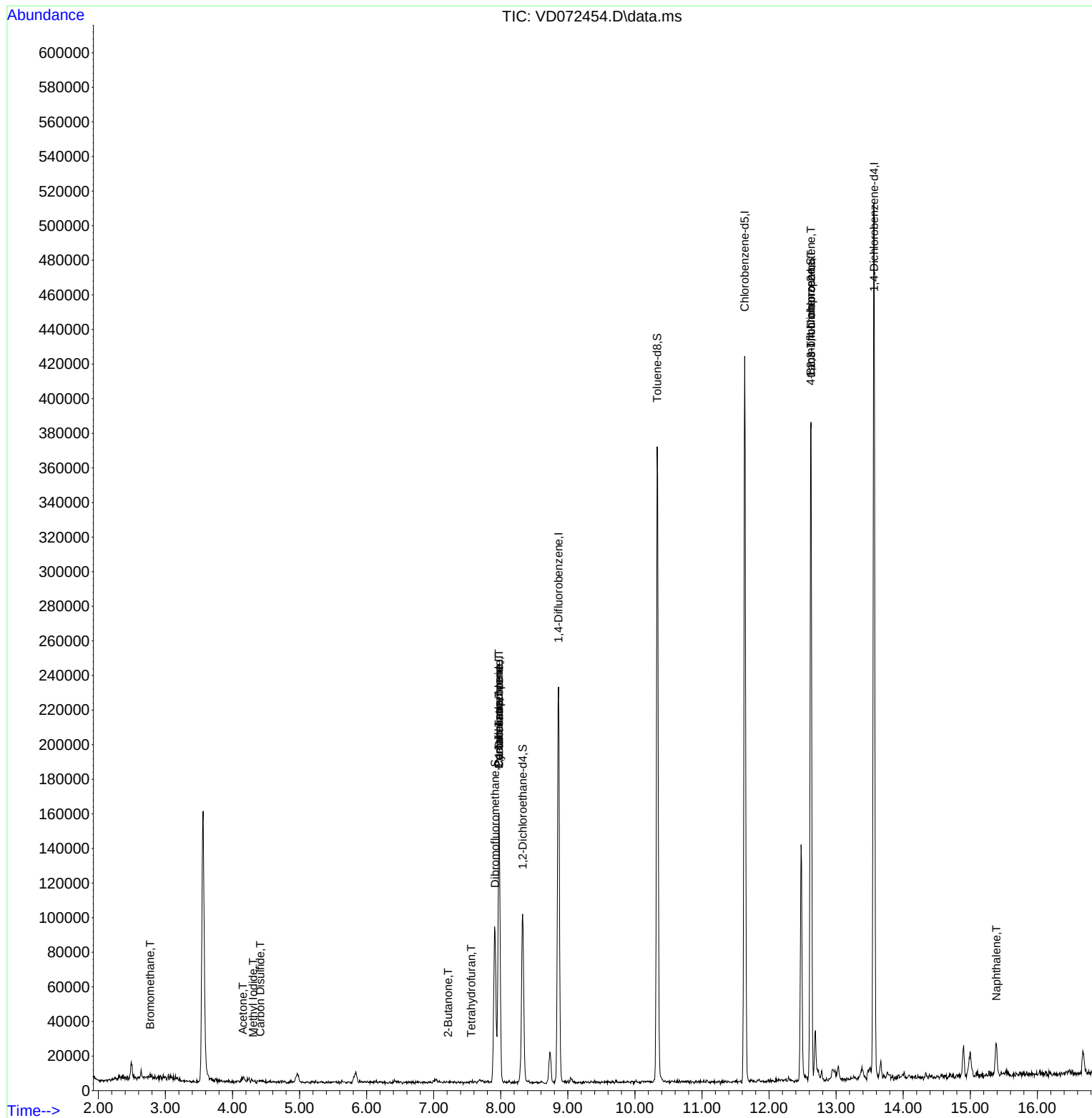
Internal Standards						
1) Pentafluorobenzene	7.973	168	107622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	195349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	240029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	135737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	75861	63.250	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.500%			
35) Dibromofluoromethane	7.914	113	63952	46.521	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.040%			
50) Toluene-d8	10.332	98	240830	47.912	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.620	95	131522	67.340	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 134.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	872	1.568	ug/l #	75
10) Methyl Iodide	4.309	142	1017	3.109	ug/l #	63
16) Acetone	4.156	43	5753	22.092	ug/l #	86
17) Carbon Disulfide	4.414	76	1216	2.012	ug/l #	74
20) Methylene Chloride	4.967	84	3886	Below Cal	#	64
25) 2-Butanone	7.214	43	600	1.728	ug/l #	52
29) Tetrahydrofuran	7.561	42	275	1.347	ug/l #	38
31) Cyclohexane	7.973	56	2629	1.403	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	9229	4.786	ug/l #	55
38) Carbon Tetrachloride	7.973	117	11966	5.459	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	68402	45.684	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	68402	113.346	ug/l #	7
95) Naphthalene	15.390	128	16906	3.349	ug/l	95

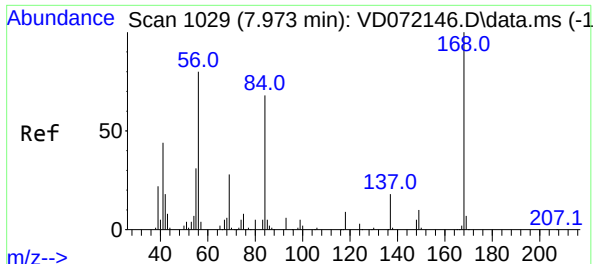
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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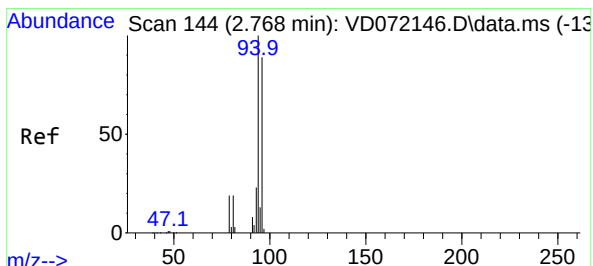
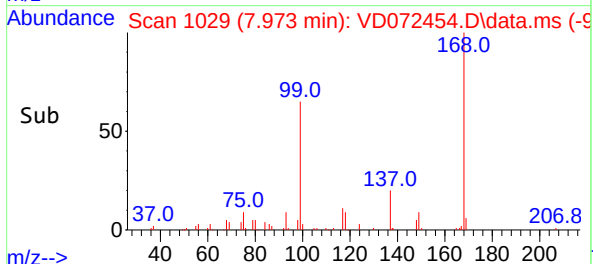
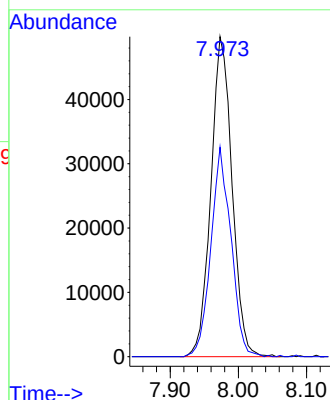
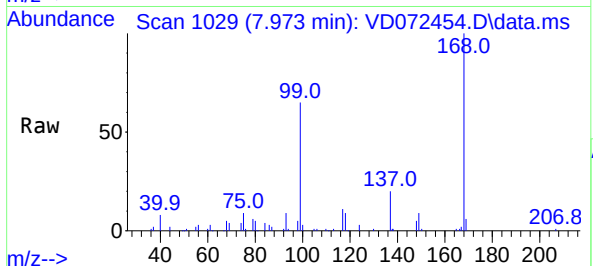




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

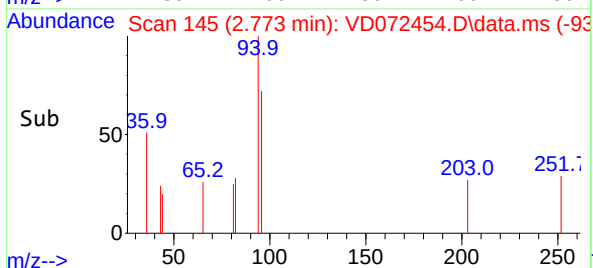
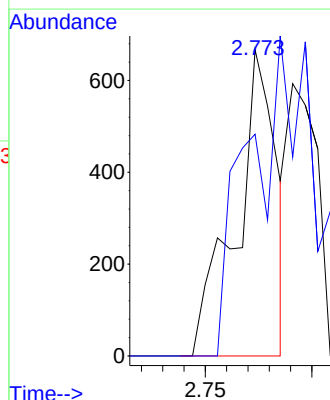
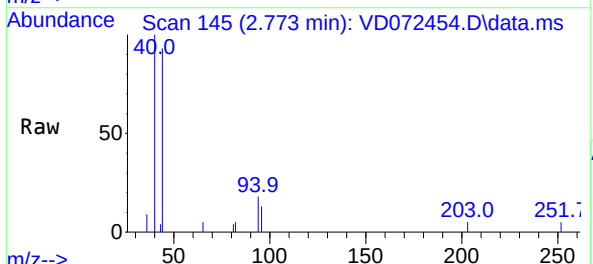
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

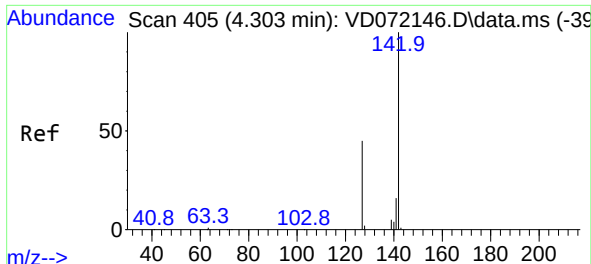
Tgt Ion:168 Resp: 107622
Ion Ratio Lower Upper
168 100
99 65.4 49.8 74.6



#5
Bromomethane
Concen: 1.568 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Tgt Ion: 94 Resp: 872
Ion Ratio Lower Upper
94 100
96 72.4 77.6 116.4#

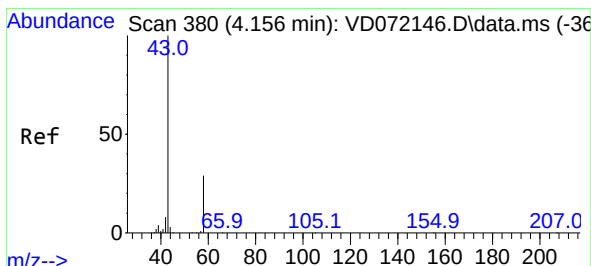
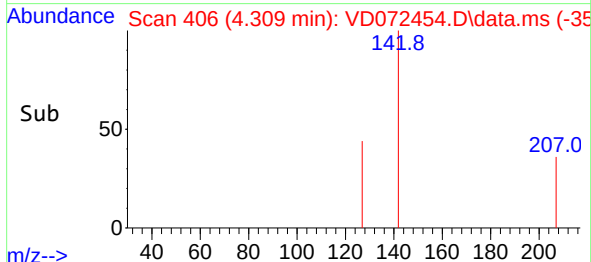
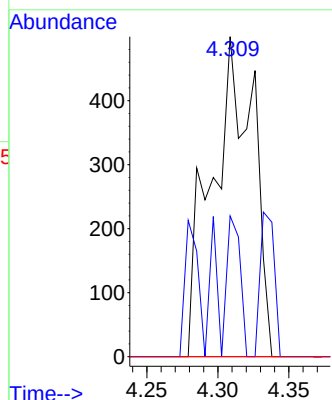
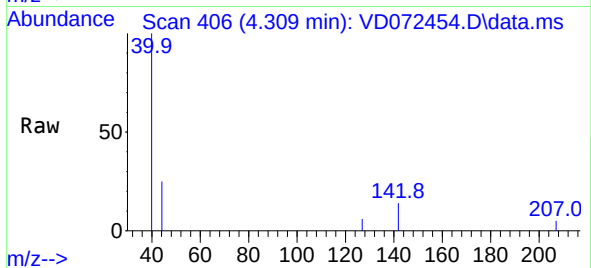




#10
Methyl Iodide
Concen: 3.109 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

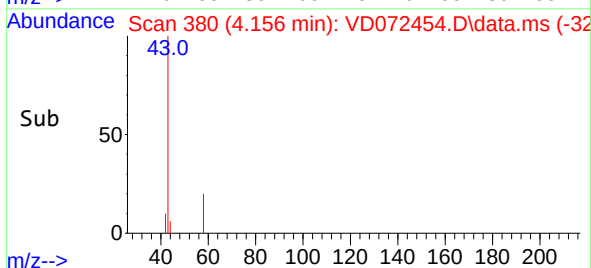
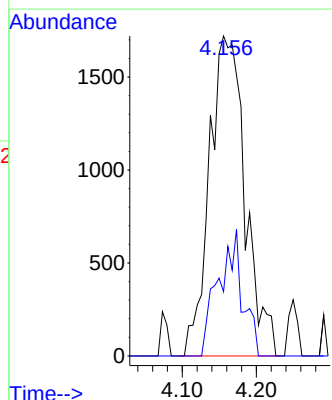
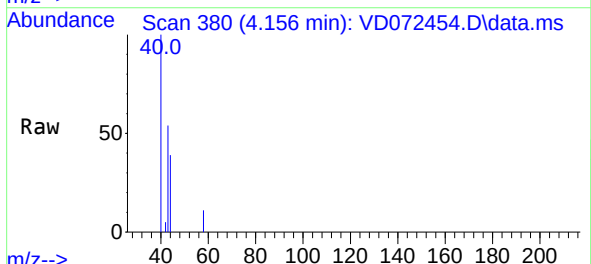
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

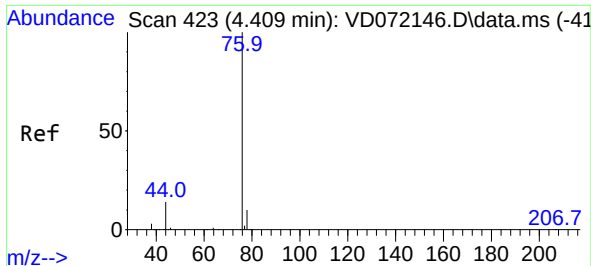
Tgt Ion:142 Resp: 1017
Ion Ratio Lower Upper
142 100
127 21.7 37.3 55.9#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 22.092 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Tgt Ion: 43 Resp: 5753
Ion Ratio Lower Upper
43 100
58 20.1 22.1 33.1#





#17

Carbon Disulfide

Concen: 2.012 ug/l

RT: 4.414 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD072454.D

Acq: 28 Mar 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

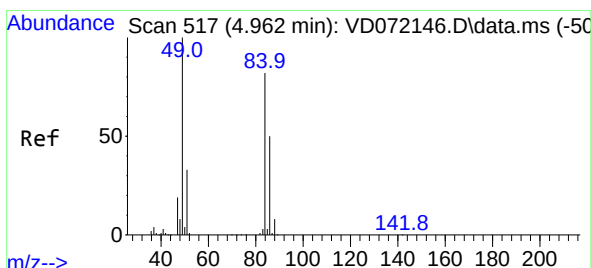
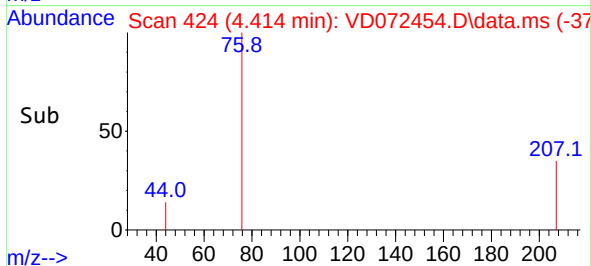
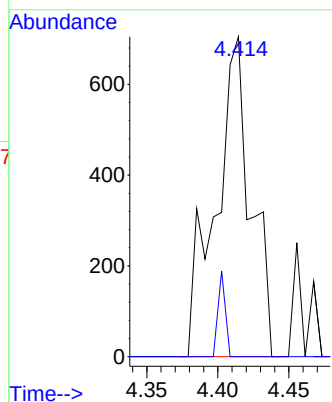
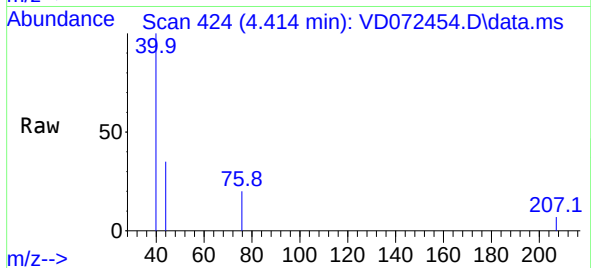
RBR-200031

Tgt Ion: 76 Resp: 1216

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD072454.D

Acq: 28 Mar 2022 19:47

Tgt Ion: 84 Resp: 3886

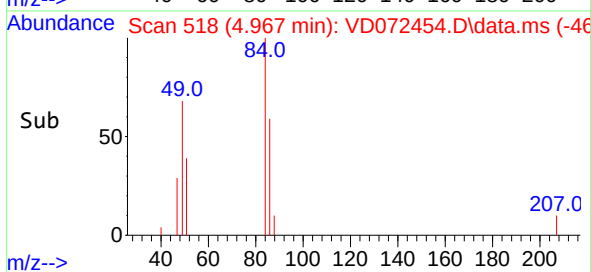
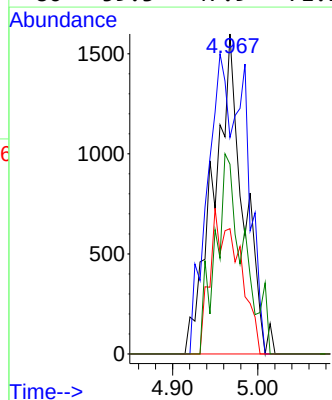
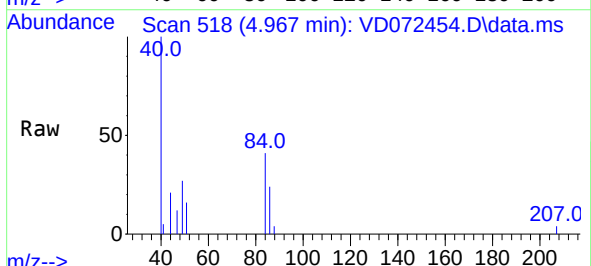
Ion Ratio Lower Upper

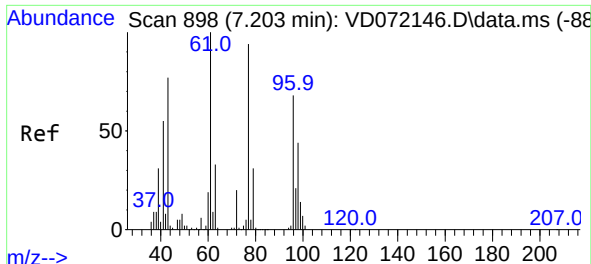
84 100

49 67.7 112.8 169.2#

51 39.1 32.6 48.8

86 59.3 47.9 71.9

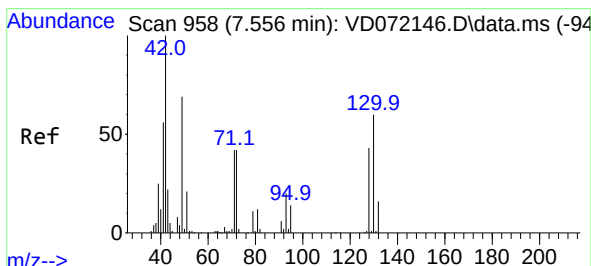
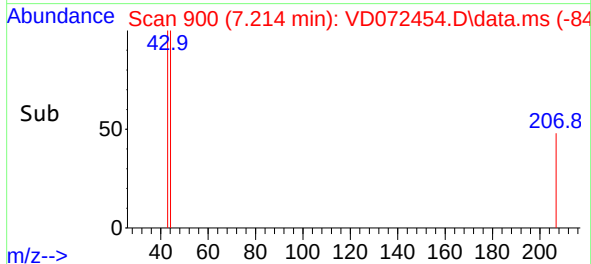
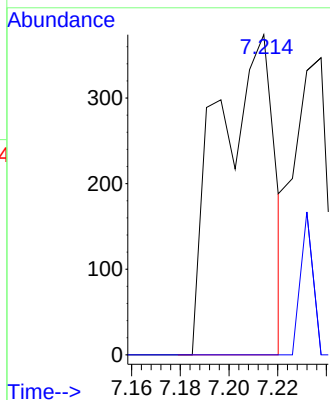
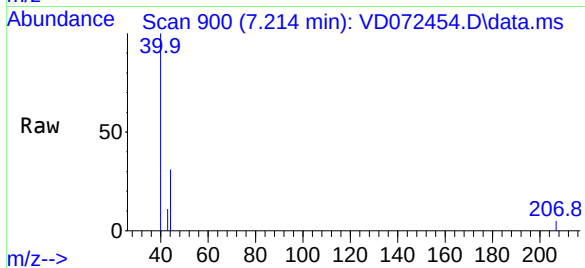




#25
2-Butanone
Concen: 1.728 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

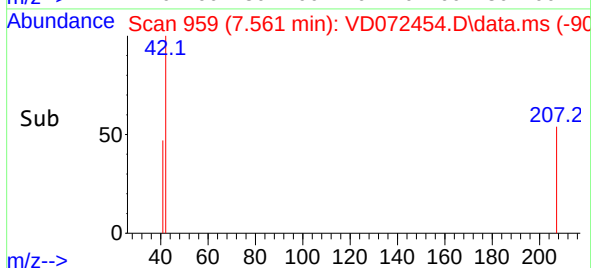
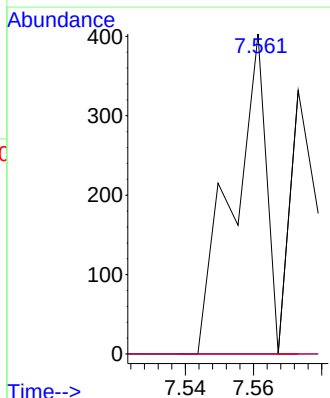
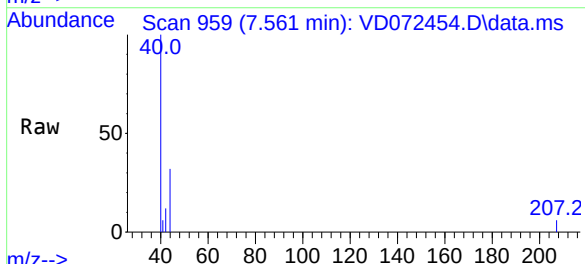
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

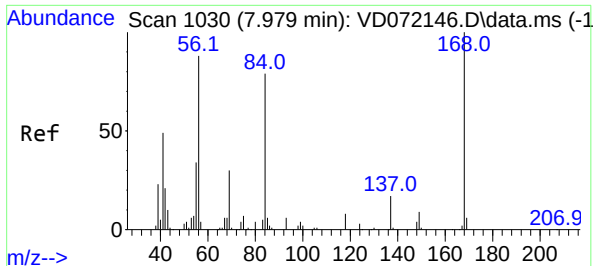
Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.347 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

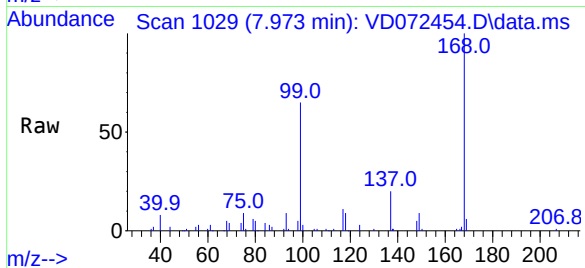
Tgt Ion: 42 Resp: 275
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





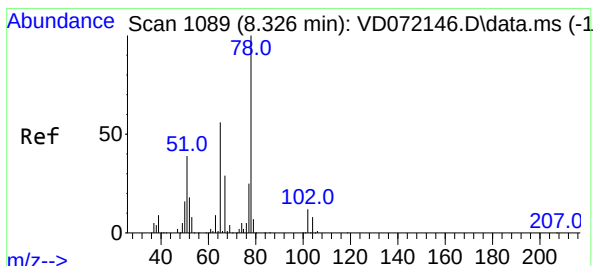
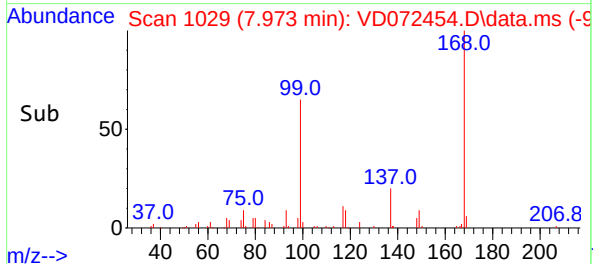
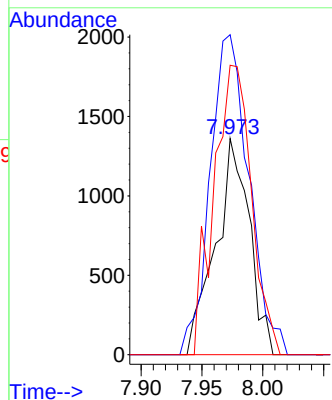
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
RBR-200031



Tgt Ion: 56 Resp: 2629

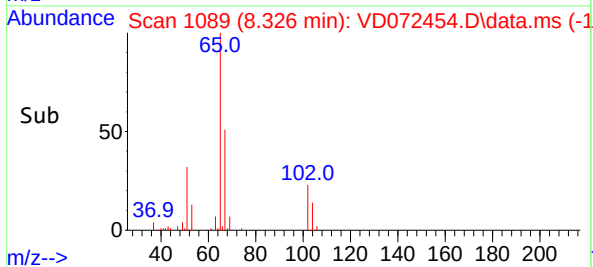
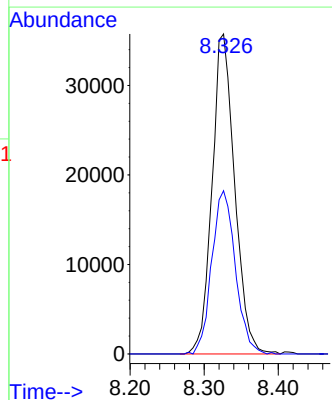
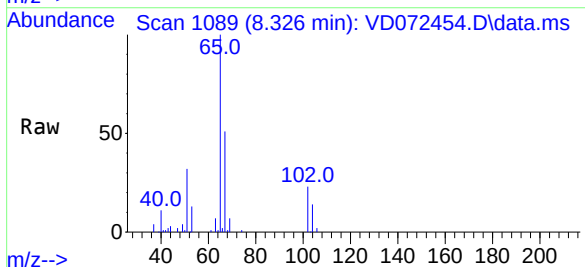
Ion	Ratio	Lower	Upper
56	100		
69	148.1	25.4	38.2#
84	133.9	63.0	94.4#

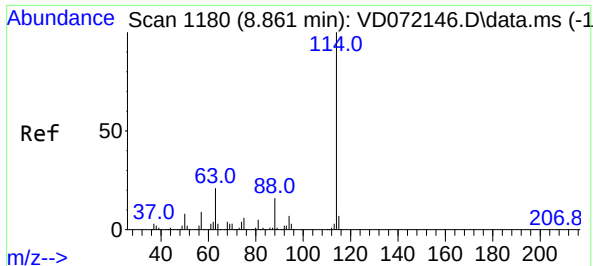


#33
1,2-Dichloroethane-d4
Concen: 63.250 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Tgt Ion: 65 Resp: 75861

Ion	Ratio	Lower	Upper
65	100		
67	53.3	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: VD072454.D

Acq: 28 Mar 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

RBR-200031

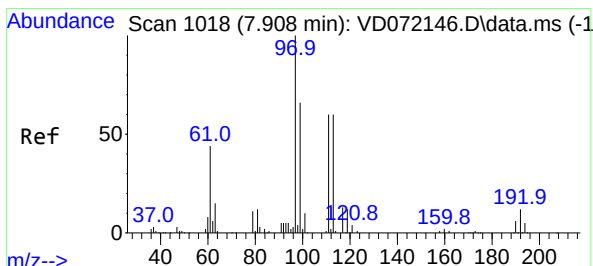
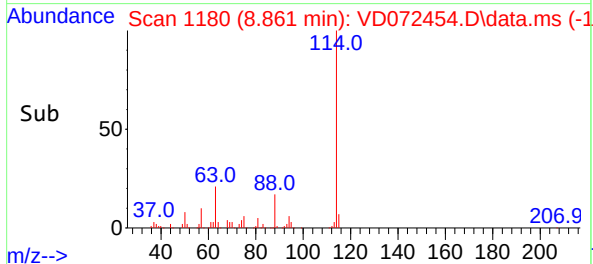
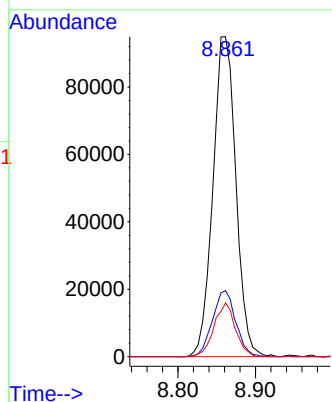
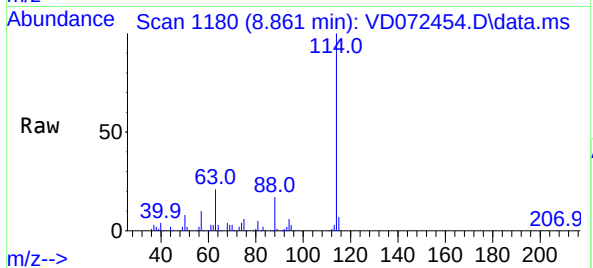
Tgt Ion:114 Resp: 195349

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.521 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072454.D

Acq: 28 Mar 2022 19:47

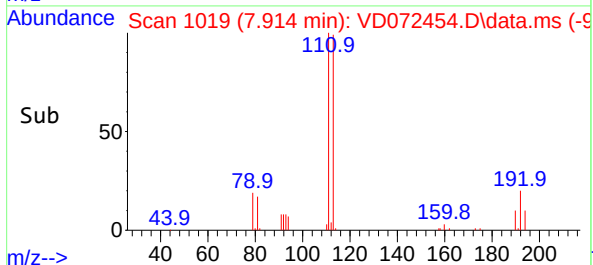
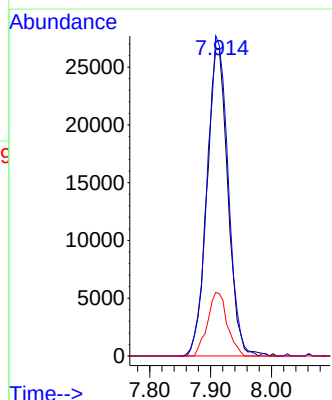
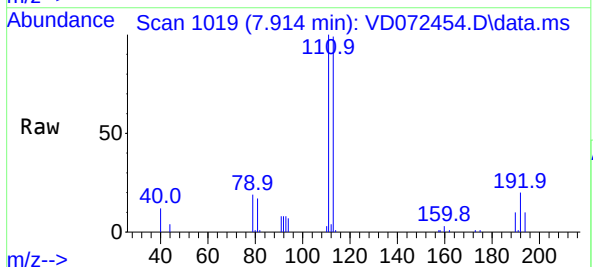
Tgt Ion:113 Resp: 63952

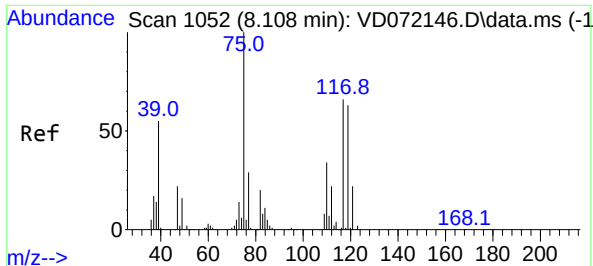
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 19.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.786 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072454.D

Acq: 28 Mar 2022 19:47

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RBR-200031

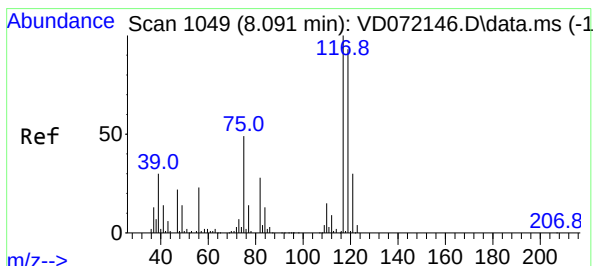
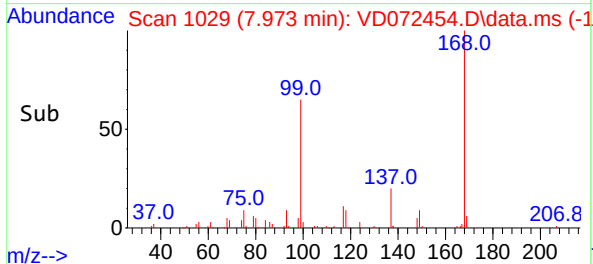
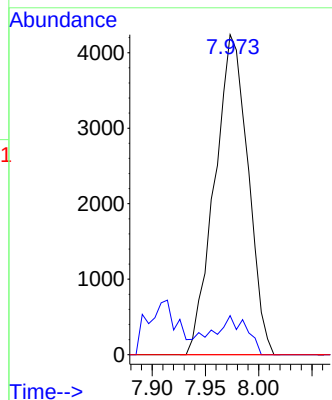
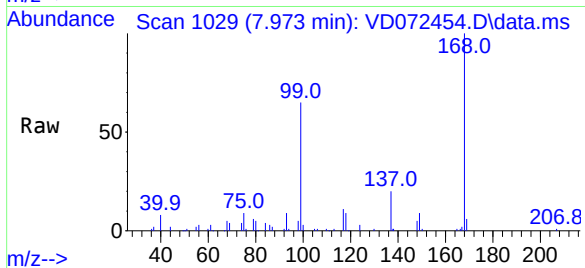
Tgt Ion: 75 Resp: 9229

Ion Ratio Lower Upper

75 100

110 12.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072454.D

Acq: 28 Mar 2022 19:47

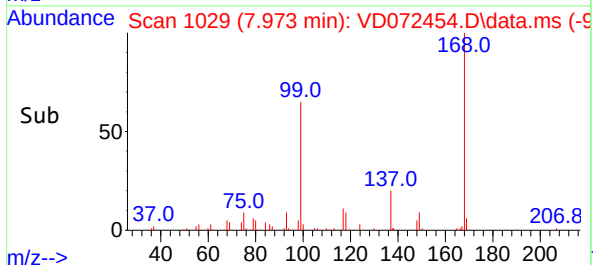
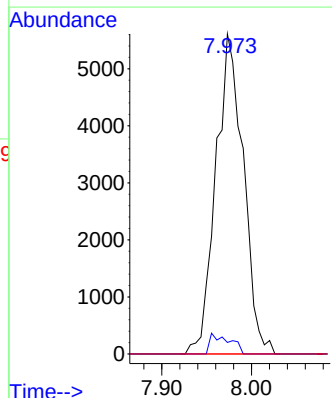
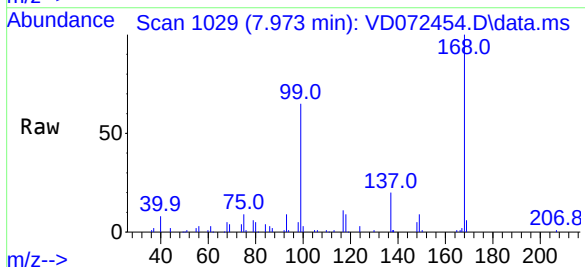
Tgt Ion: 117 Resp: 11966

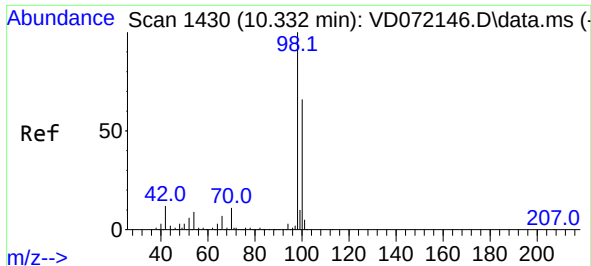
Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.6#

121 0.0 24.5 36.7#

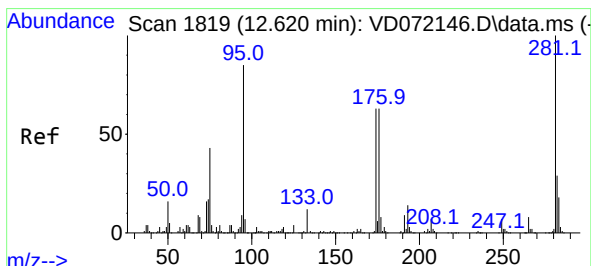
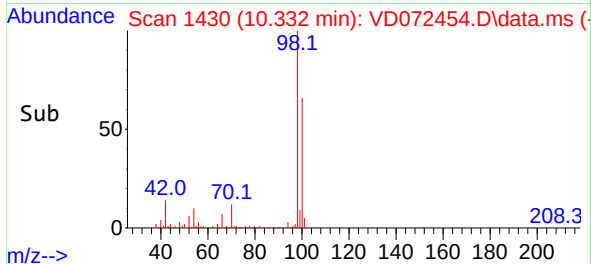
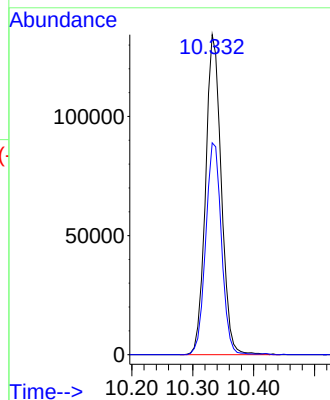
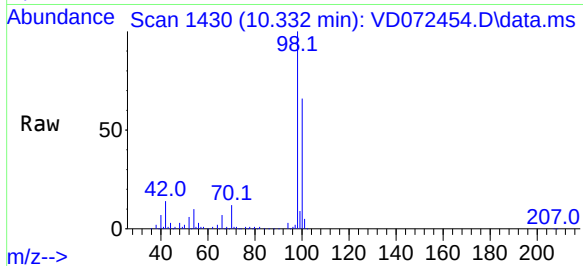




#50
Toluene-d8
Concen: 47.912 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

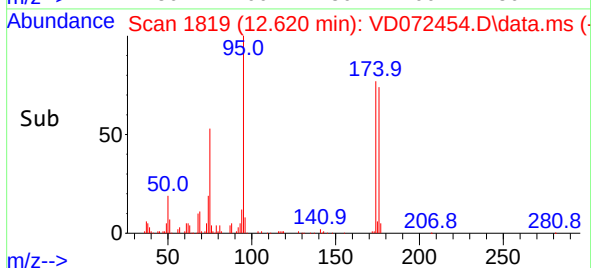
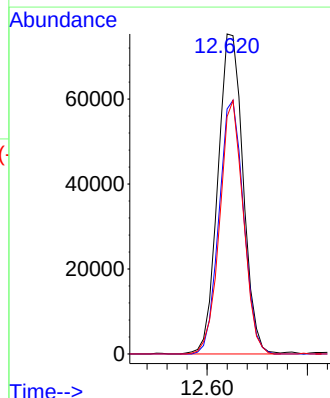
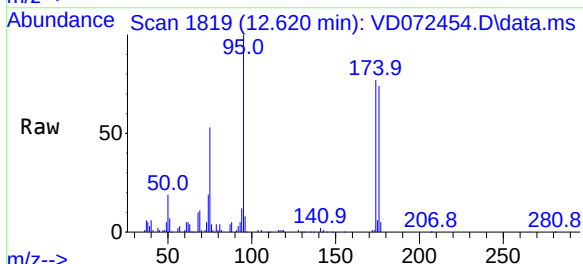
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

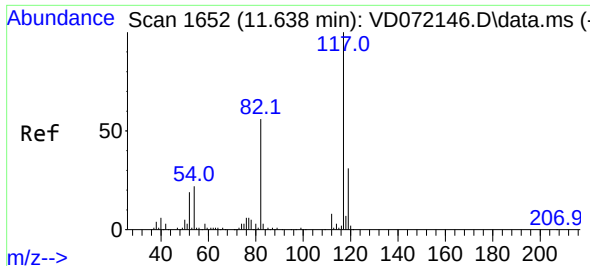
Tgt Ion: 98 Resp: 240830
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 67.340 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Tgt Ion: 95 Resp: 131522
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 73.7 0.0 145.4

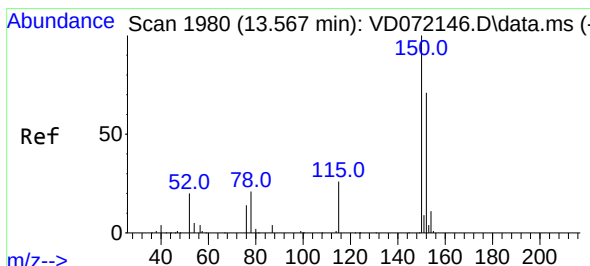
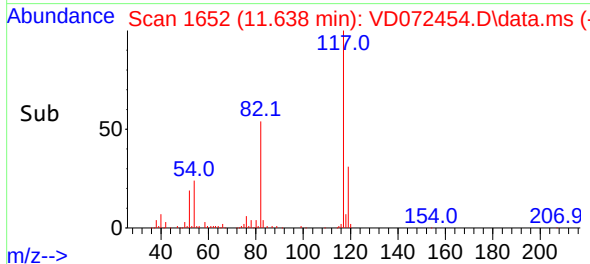
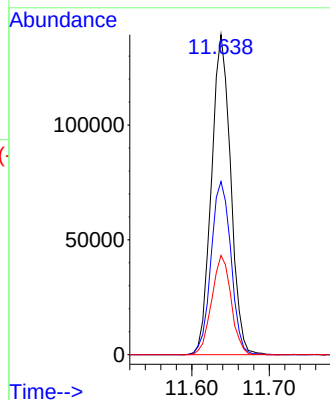
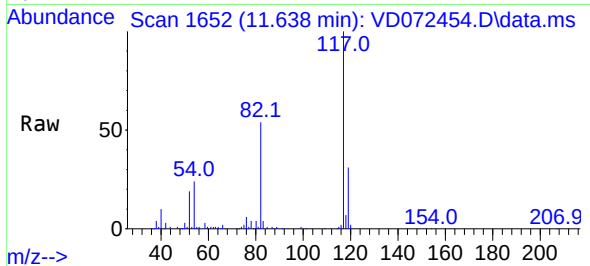




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

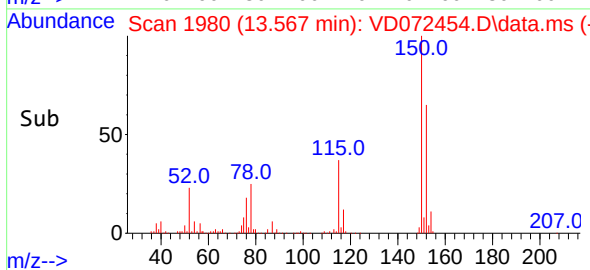
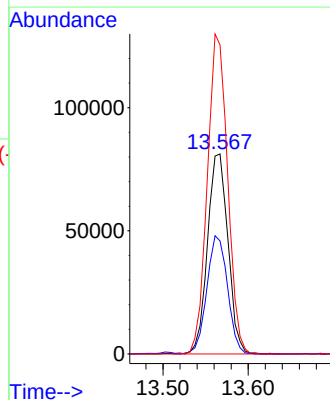
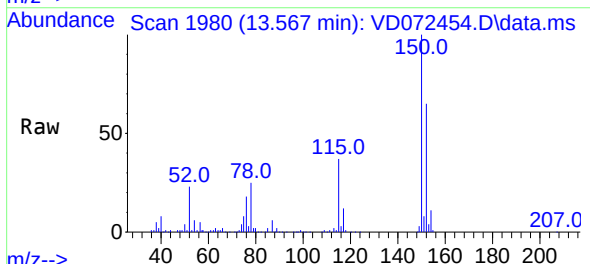
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

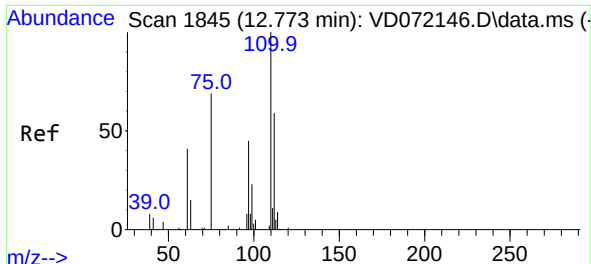
Tgt Ion:117 Resp: 240029
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Tgt Ion:152 Resp: 135737
Ion Ratio Lower Upper
152 100
115 59.4 31.3 93.8
150 158.2 0.0 348.6

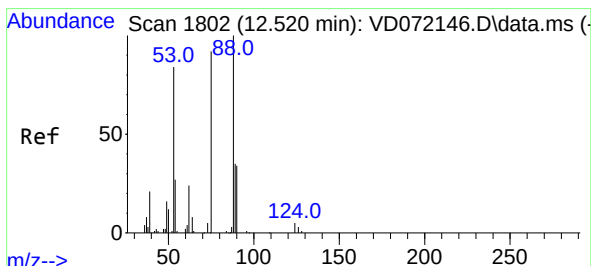
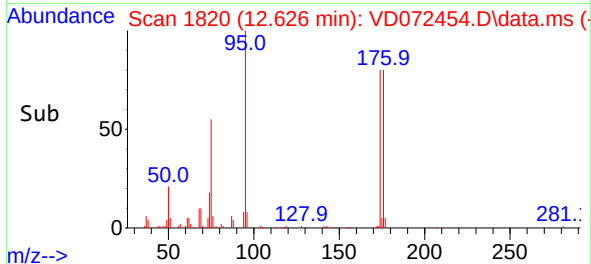
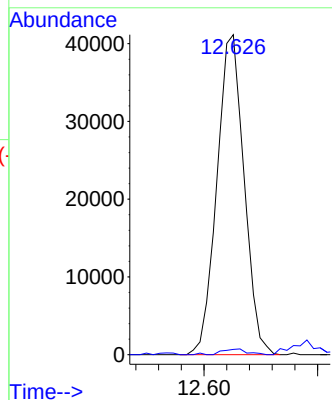
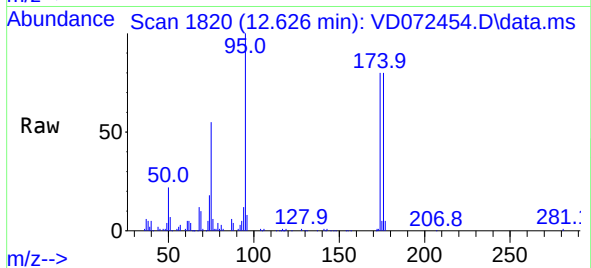




#76
1,2,3-Trichloropropane
Concen: 45.684 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

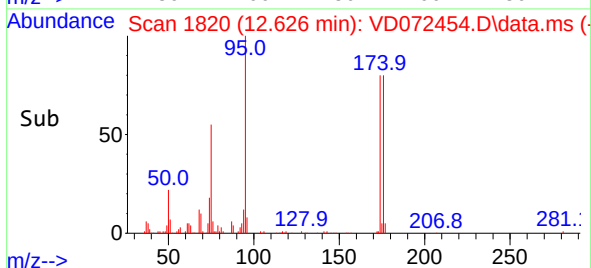
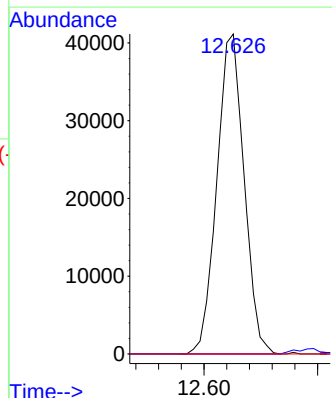
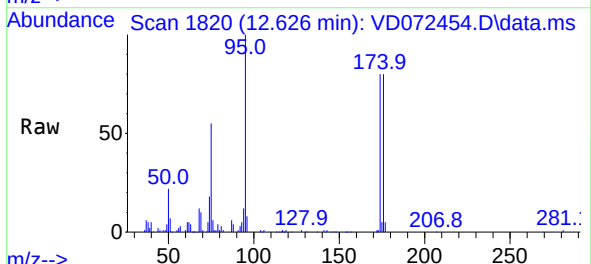
Instrument :
MSVOA_D
ClientSampleId :
RBR-200031

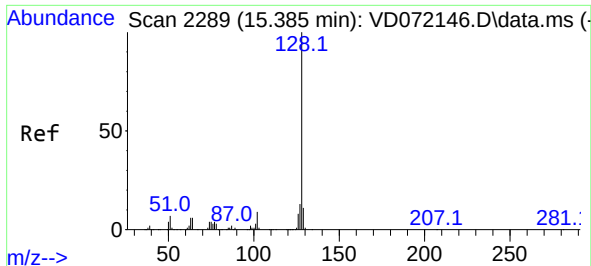
Tgt Ion: 75 Resp: 68402
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.346 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

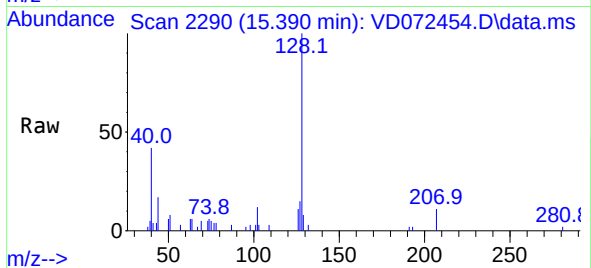
Tgt Ion: 75 Resp: 68402
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.349 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD072454.D
Acq: 28 Mar 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
RBR-200031



Tgt Ion:	128	Resp:	16906
Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.3	15.5
129	12.0	8.4	12.6

