

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072455.D
 Acq On : 28 Mar 2022 20:16
 Operator : VA/SY
 Sample : N2103-07
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200049

Quant Time: Mar 29 01:32:09 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)

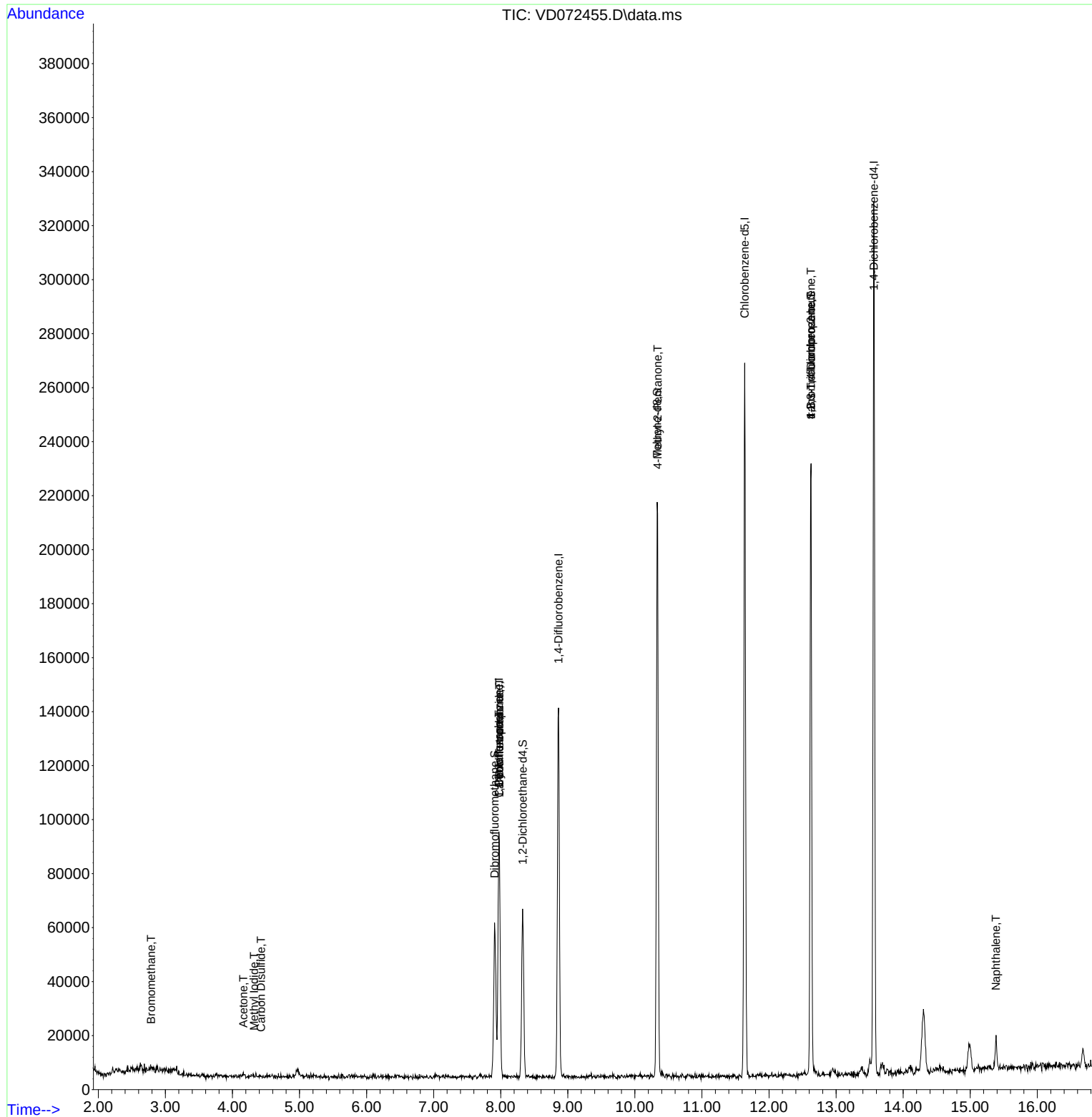
Internal Standards						
1) Pentafluorobenzene	7.973	168	66554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	114516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	146404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	84144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	47956	64.656	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.320%	
35) Dibromofluoromethane	7.908	113	39330	48.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.620%	
50) Toluene-d8	10.332	98	149316	50.673	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.340%	
62) 4-Bromofluorobenzene	12.626	95	78142	68.251	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 136.500%	
Target Compounds						Qvalue
5) Bromomethane	2.785	94	439	1.277	ug/l	97
10) Methyl Iodide	4.320	142	485	2.907	ug/l #	64
16) Acetone	4.162	43	1955	12.140	ug/l	92
17) Carbon Disulfide	4.426	76	120	1.582	ug/l #	74
20) Methylene Chloride	4.962	84	1615	Below Cal	#	64
31) Cyclohexane	7.973	56	1637	1.413	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	6371	5.636	ug/l #	49
38) Carbon Tetrachloride	7.979	117	6742	5.246	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	795	1.575	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	39578	42.640	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	39578	105.795	ug/l #	7
95) Naphthalene	15.385	128	9567	3.057	ug/l #	96

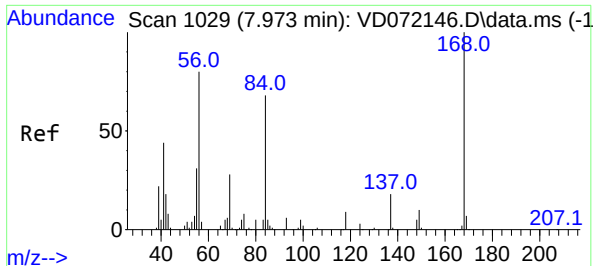
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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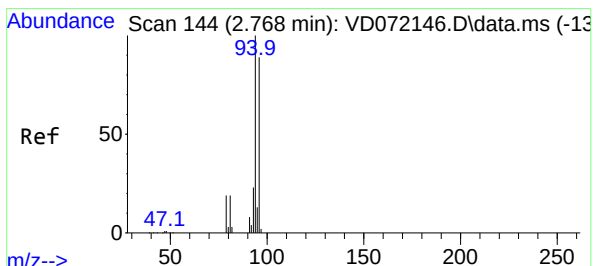
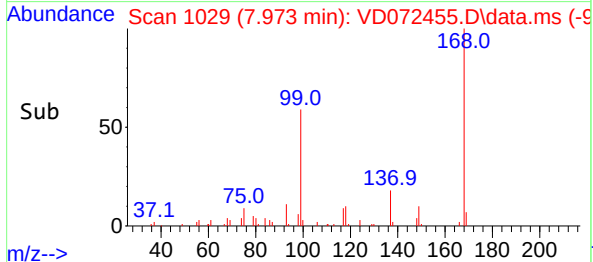
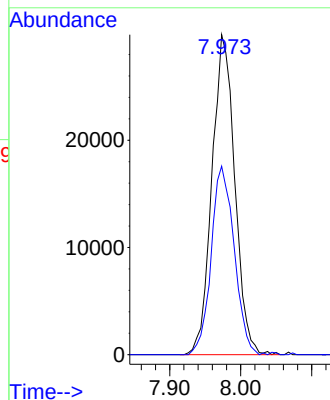
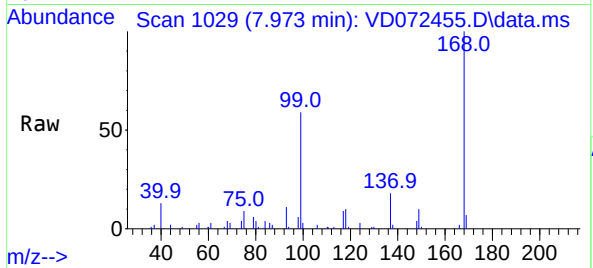




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

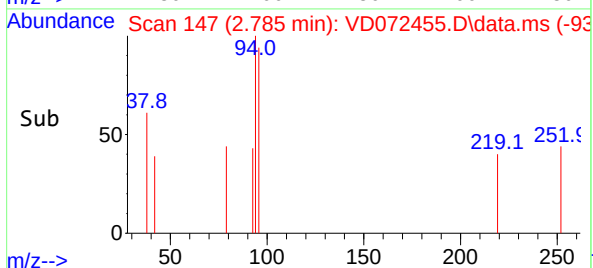
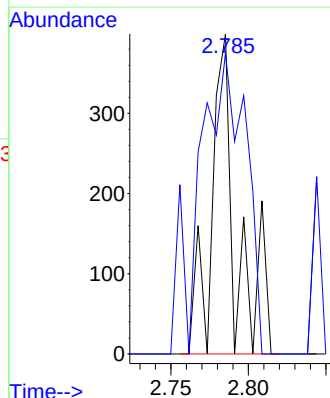
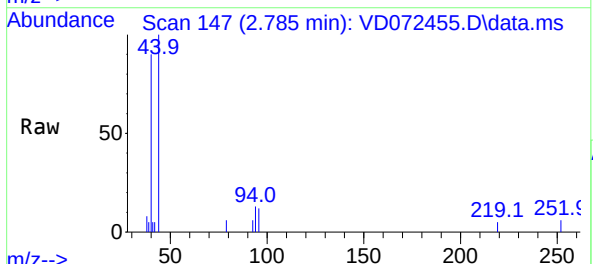
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

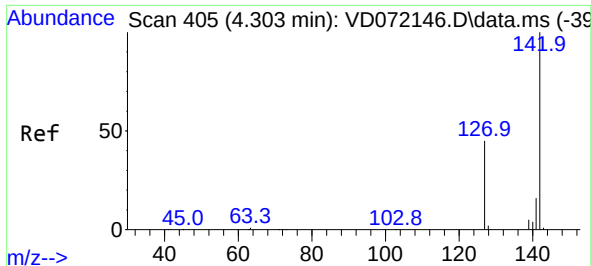
Tgt Ion:168 Resp: 66554
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#5
Bromomethane
Concen: 1.277 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 94.0 77.6 116.4

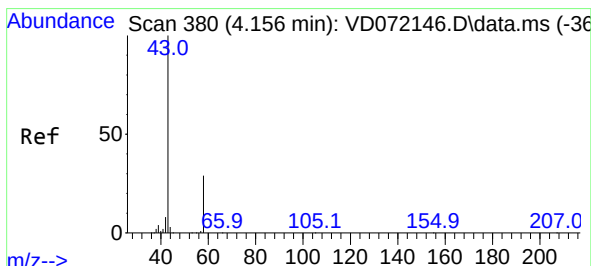
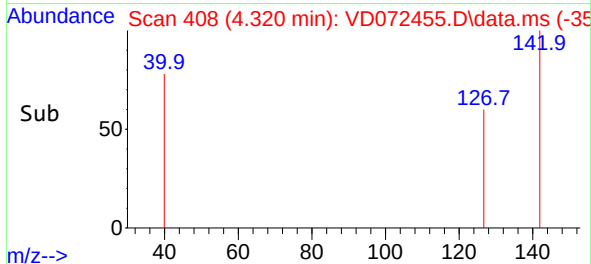
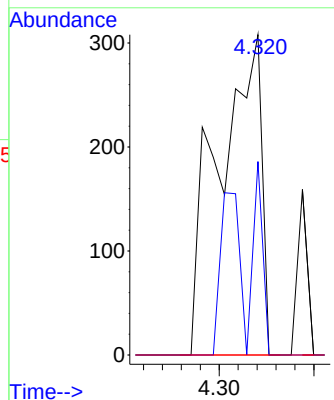
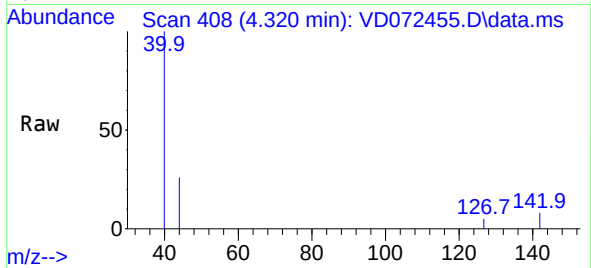




#10
Methyl Iodide
Concen: 2.907 ug/l
RT: 4.320 min Scan# 405
Delta R.T. 0.017 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

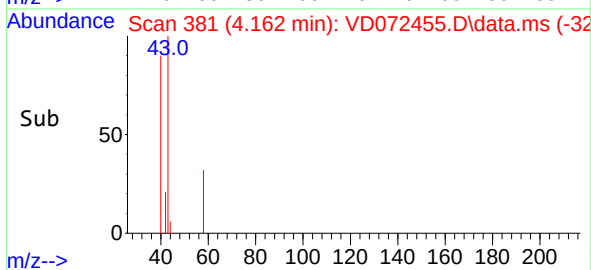
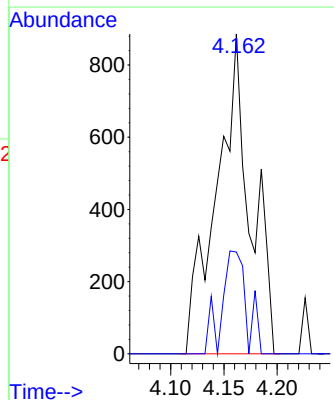
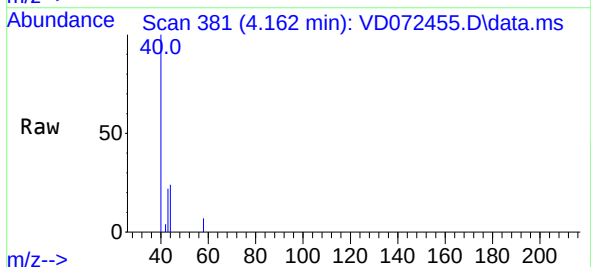
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

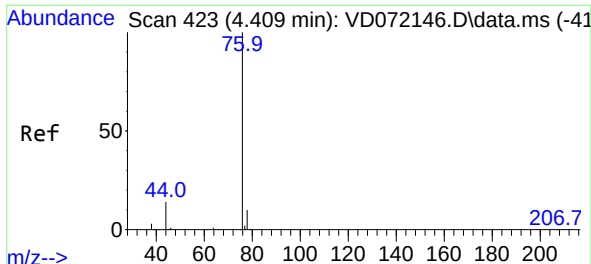
Tgt Ion:142 Resp: 485
Ion Ratio Lower Upper
142 100
127 22.7 37.3 55.9#
141 0.0 11.7 17.5#



#16
Acetone
Concen: 12.140 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 31.8 22.1 33.1

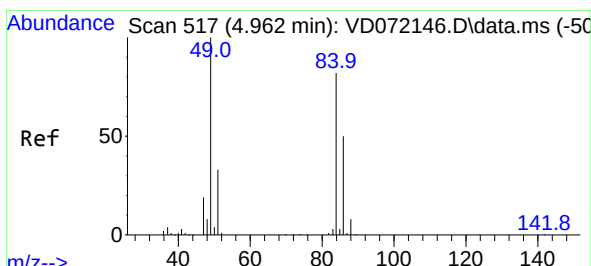
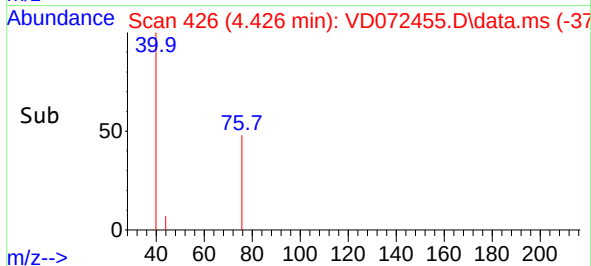
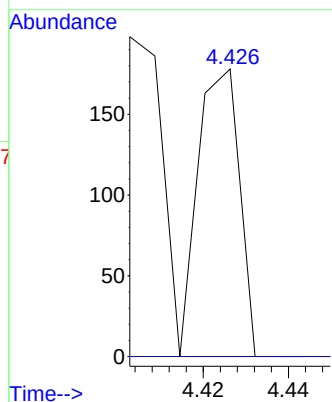
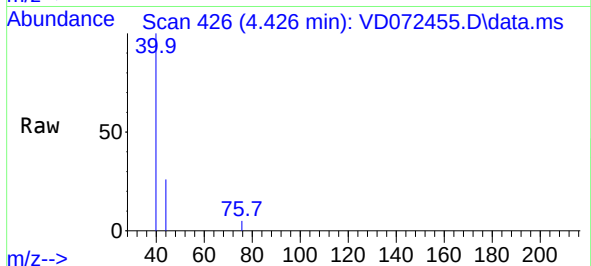




#17
Carbon Disulfide
Concen: 1.582 ug/l
RT: 4.426 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

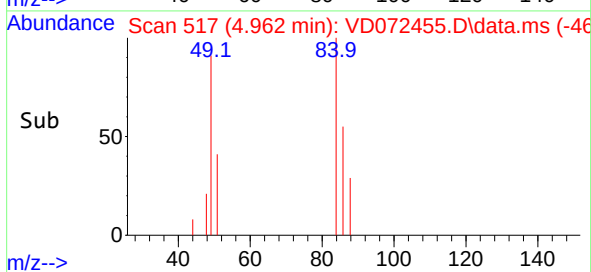
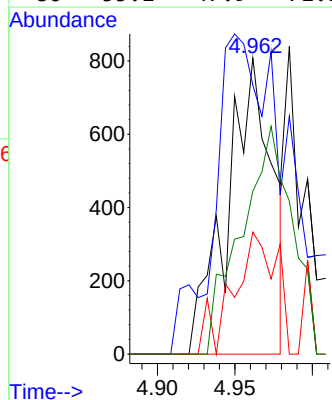
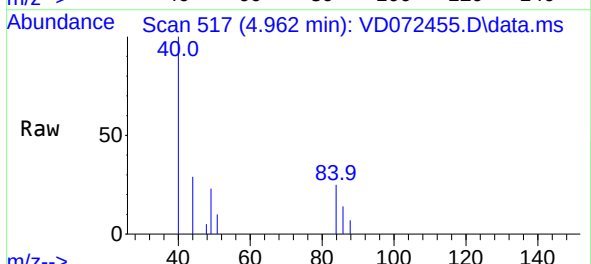
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

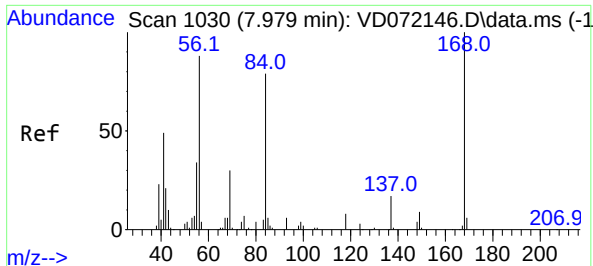
Tgt Ion: 76 Resp: 120
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 84 Resp: 1615
Ion Ratio Lower Upper
84 100
49 68.8 112.8 169.2#
51 41.2 32.6 48.8
86 55.1 47.9 71.9

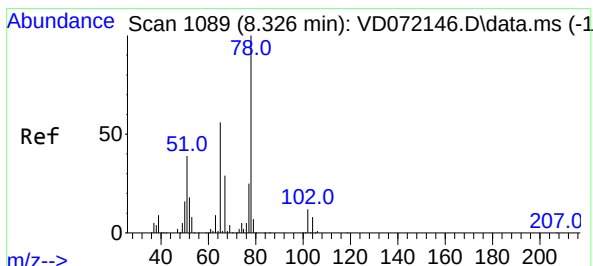
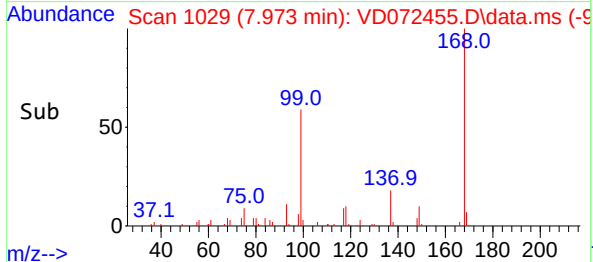
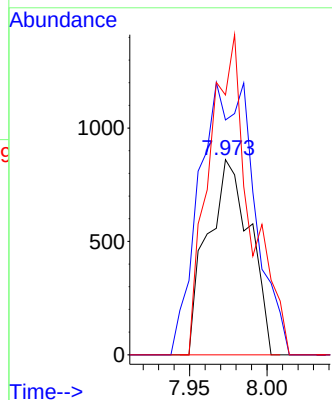
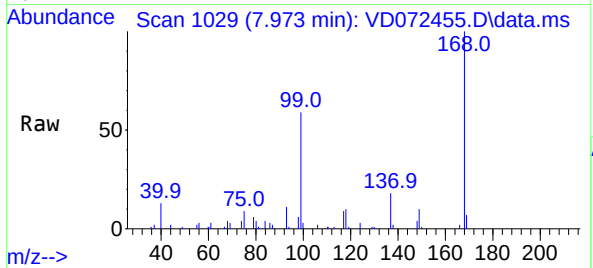




#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

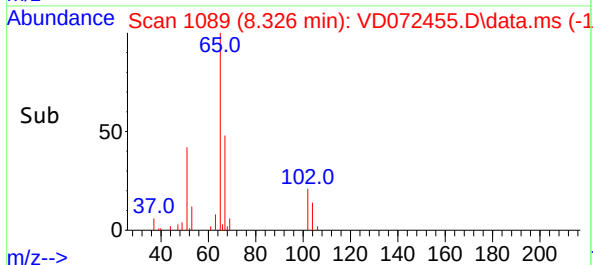
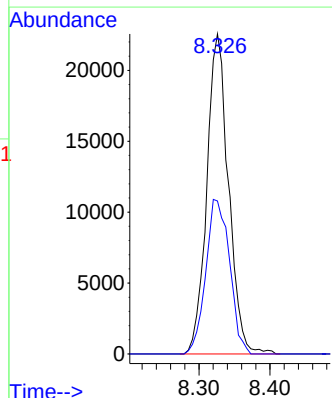
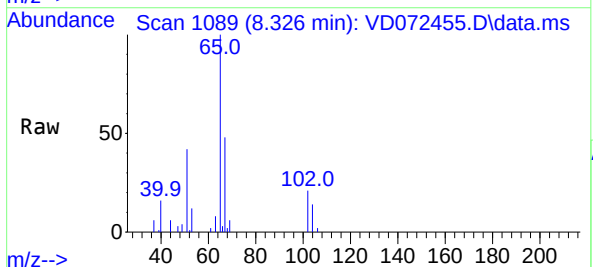
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

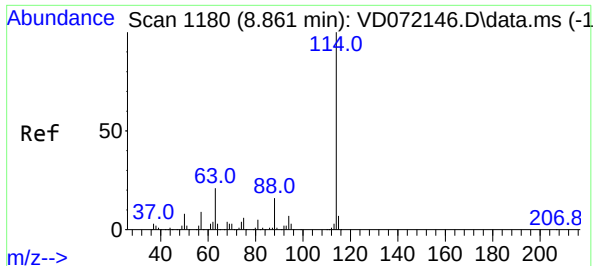
Tgt Ion: 56 Resp: 1637
Ion Ratio Lower Upper
56 100
69 98.7 25.4 38.2#
84 133.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 64.656 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 65 Resp: 47956
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: VD072455.D

Acq: 28 Mar 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

RBR-200049

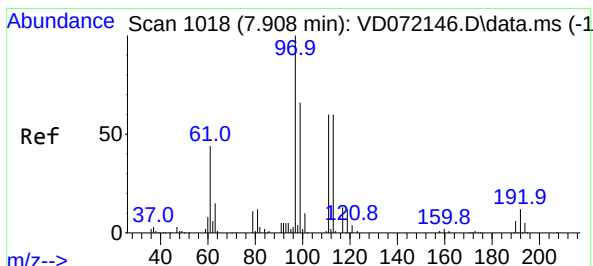
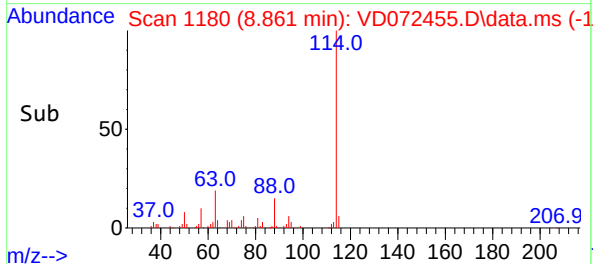
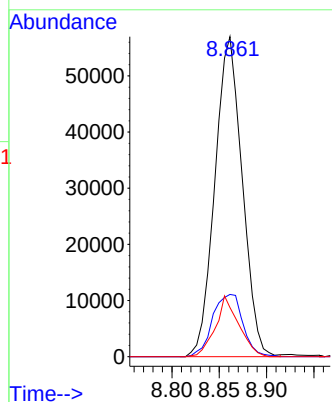
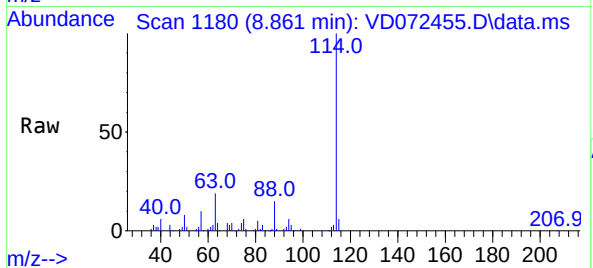
Tgt Ion:114 Resp: 114516

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.805 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072455.D

Acq: 28 Mar 2022 20:16

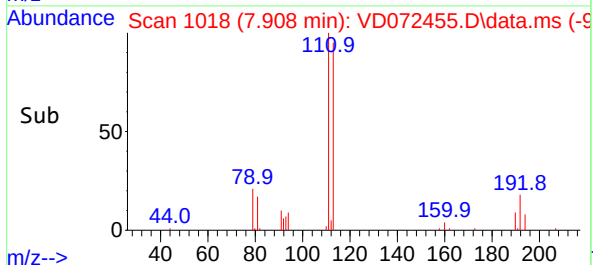
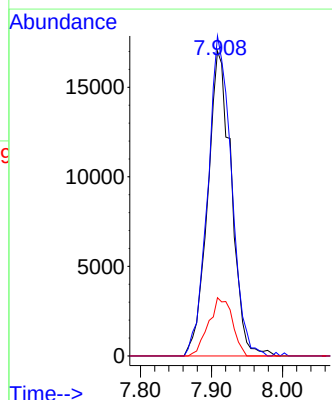
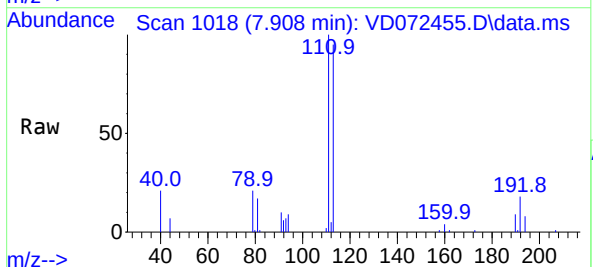
Tgt Ion:113 Resp: 39330

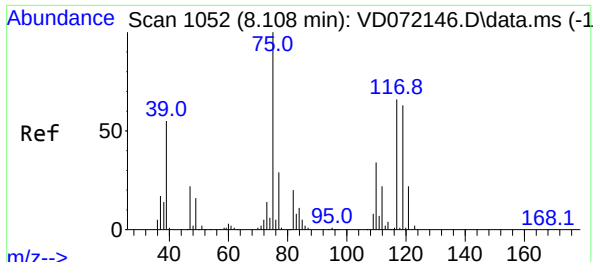
Ion Ratio Lower Upper

113 100

111 105.6 83.8 125.6

192 19.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.636 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072455.D

Acq: 28 Mar 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

RBR-200049

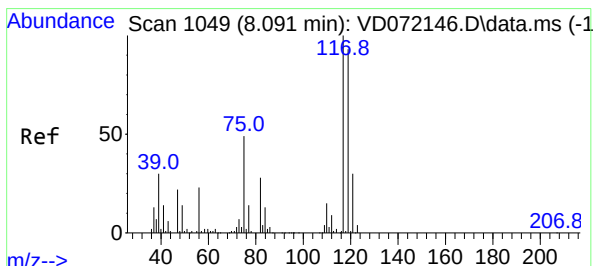
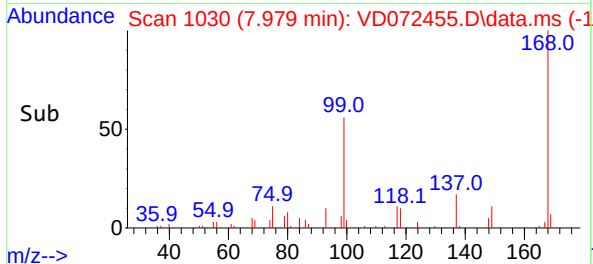
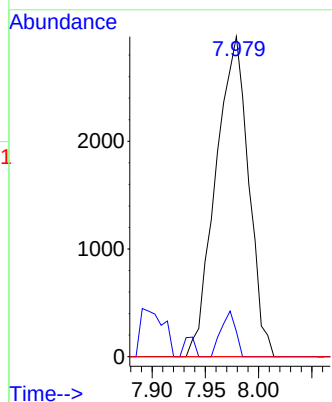
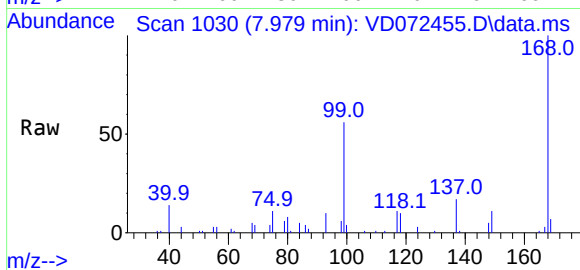
Tgt Ion: 75 Resp: 6371

Ion Ratio Lower Upper

75 100

110 6.3 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072455.D

Acq: 28 Mar 2022 20:16

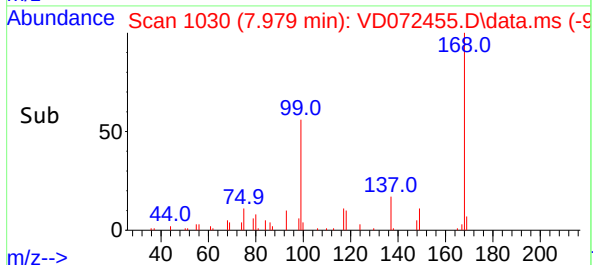
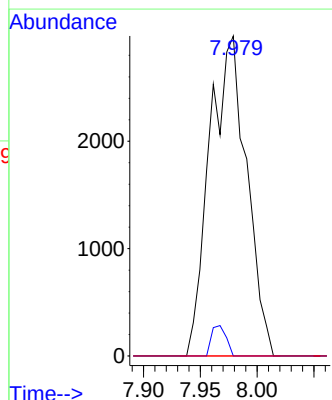
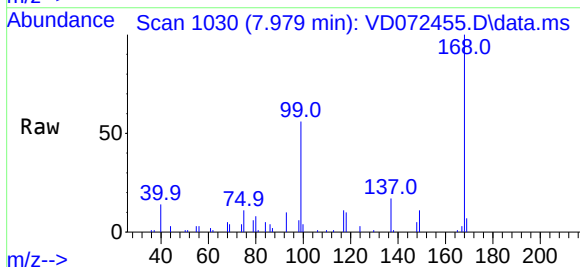
Tgt Ion: 117 Resp: 6742

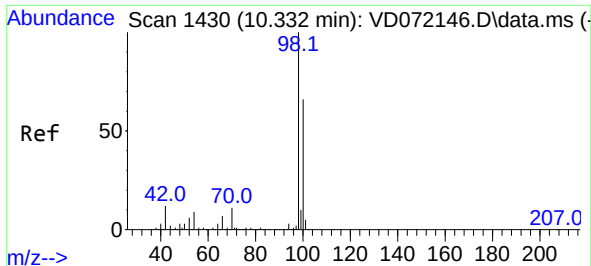
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

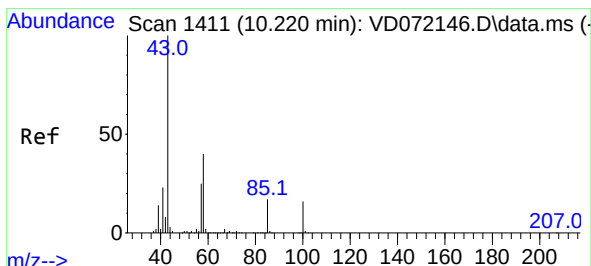
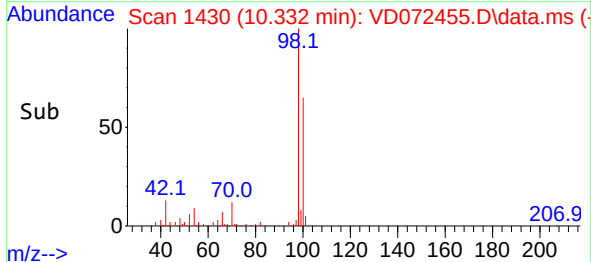
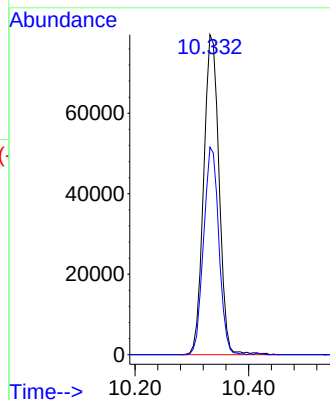
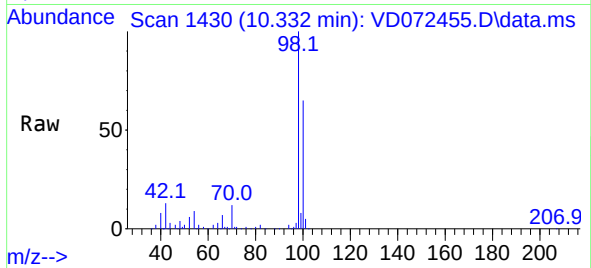




#50
Toluene-d8
Concen: 50.673 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

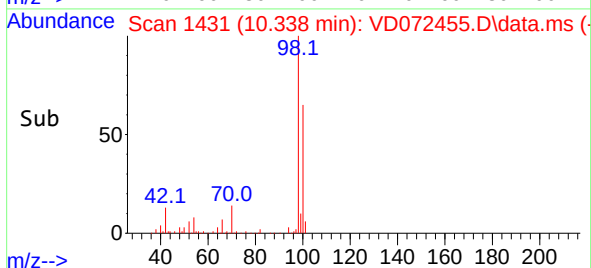
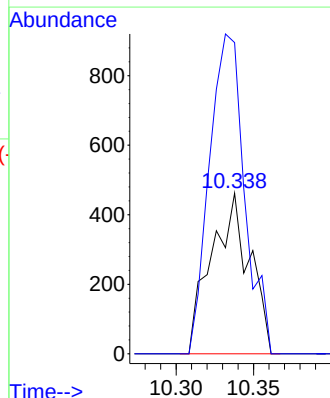
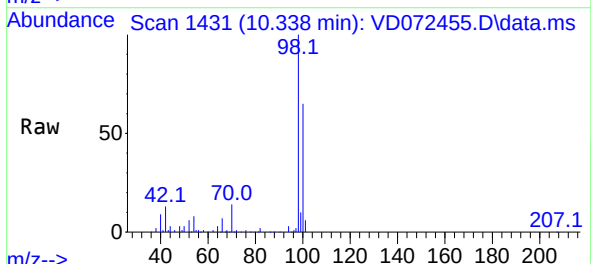
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

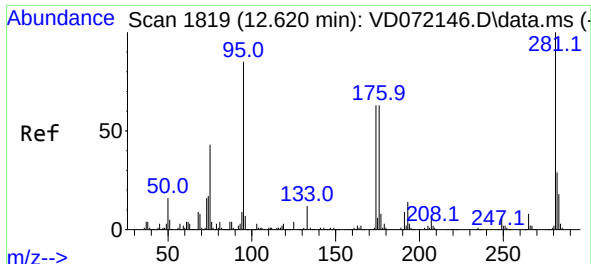
Tgt Ion: 98 Resp: 149316
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.575 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
58 183.1 28.6 43.0#

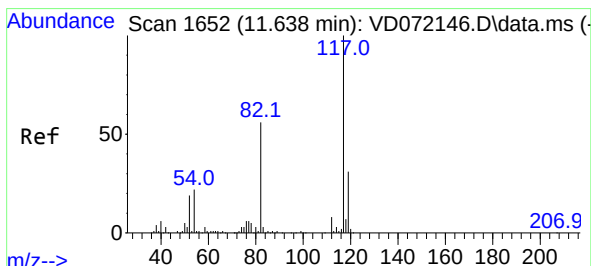
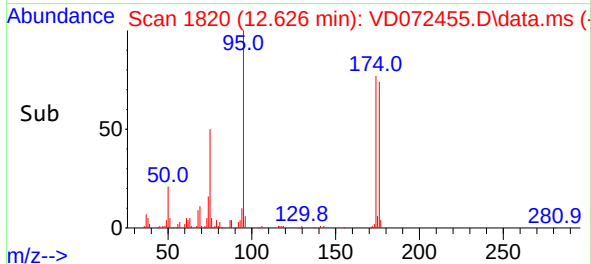
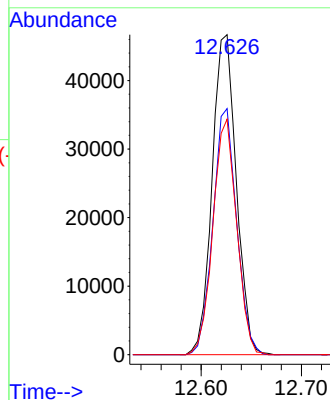
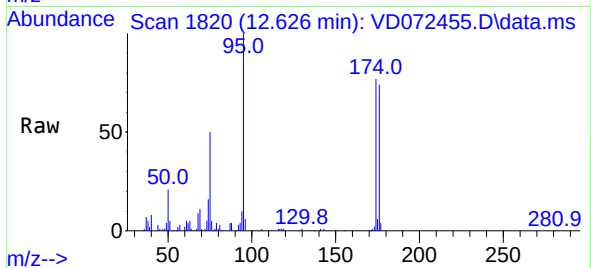




#62
4-Bromofluorobenzene
Concen: 68.251 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

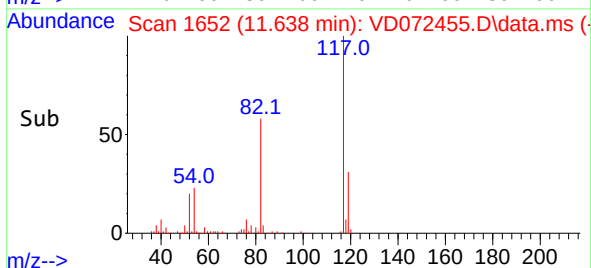
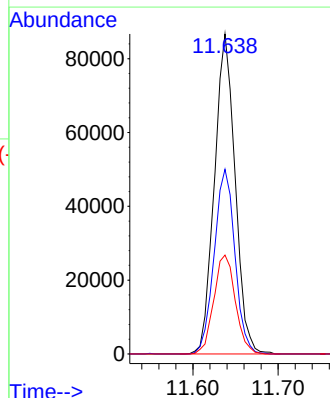
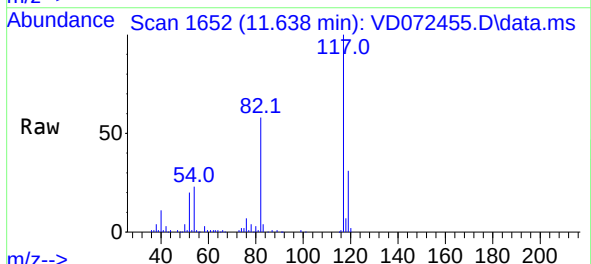
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

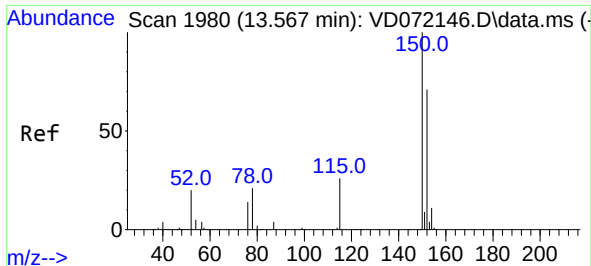
Tgt Ion:	95	Resp:	78142
Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	152.8
176	72.3	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion:	117	Resp:	146404
Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.3	67.9
119	30.9	26.6	40.0

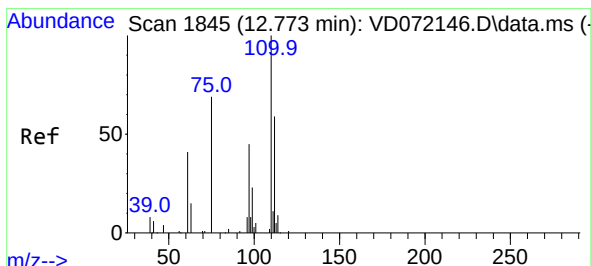
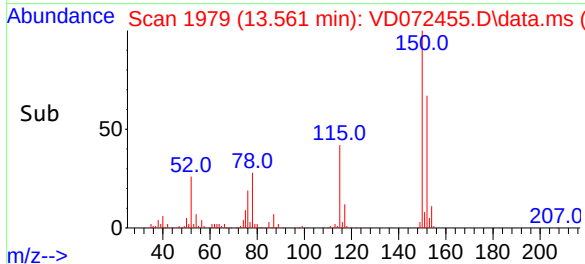
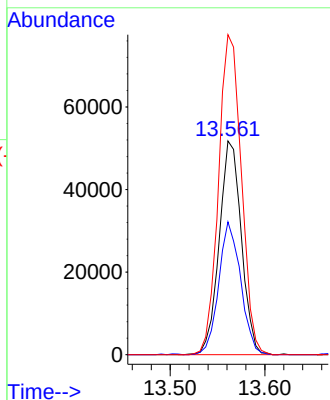
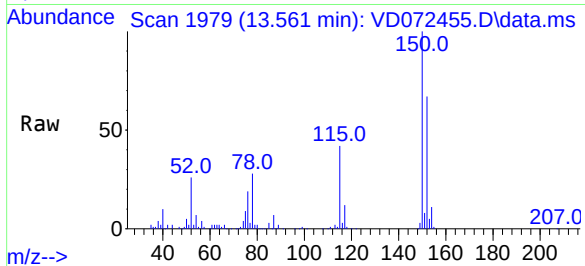




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

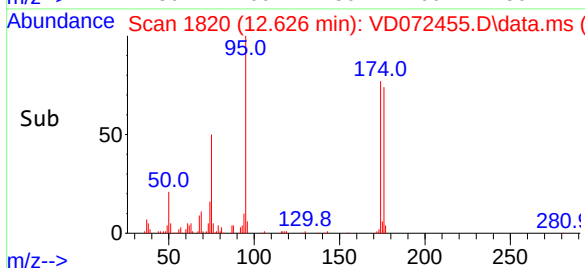
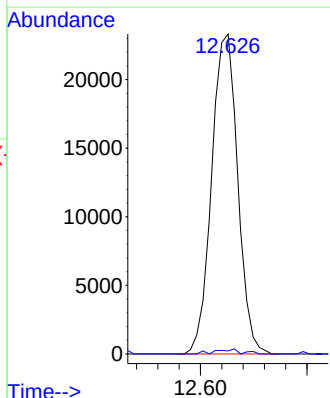
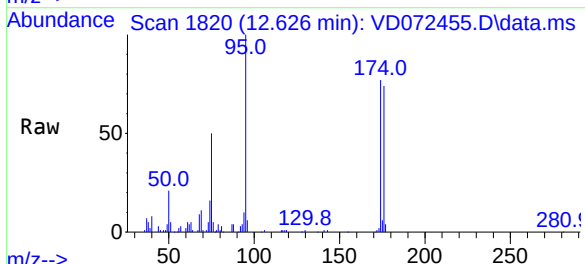
Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

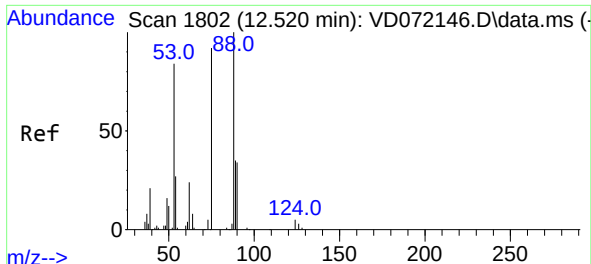
Tgt Ion:152 Resp: 84144
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 154.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 42.640 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion: 75 Resp: 39578
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

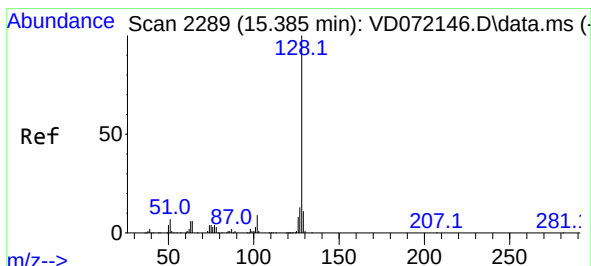
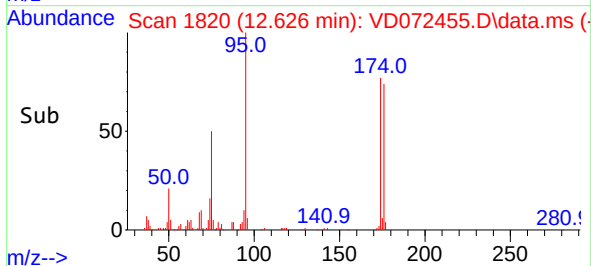
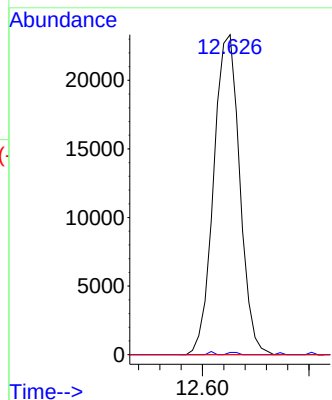
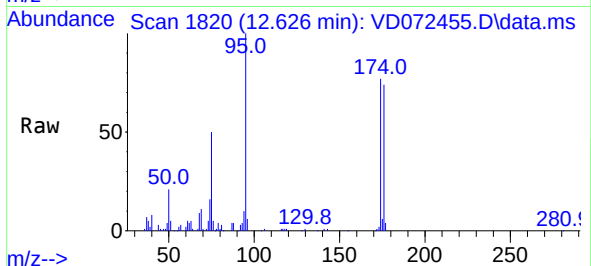




#81
trans-1,4-Dichloro-2-butene
Concen: 105.795 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Instrument :
MSVOA_D
ClientSampleId :
RBR-200049

Tgt Ion: 75 Resp: 39578
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.057 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072455.D
Acq: 28 Mar 2022 20:16

Tgt Ion:128 Resp: 9567
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 12.6 8.4 12.6#

