

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072609.D
 Acq On : 18 Apr 2022 20:41
 Operator : VA/SY
 Sample : N2444-11
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

Quant Time: Apr 19 02:53:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

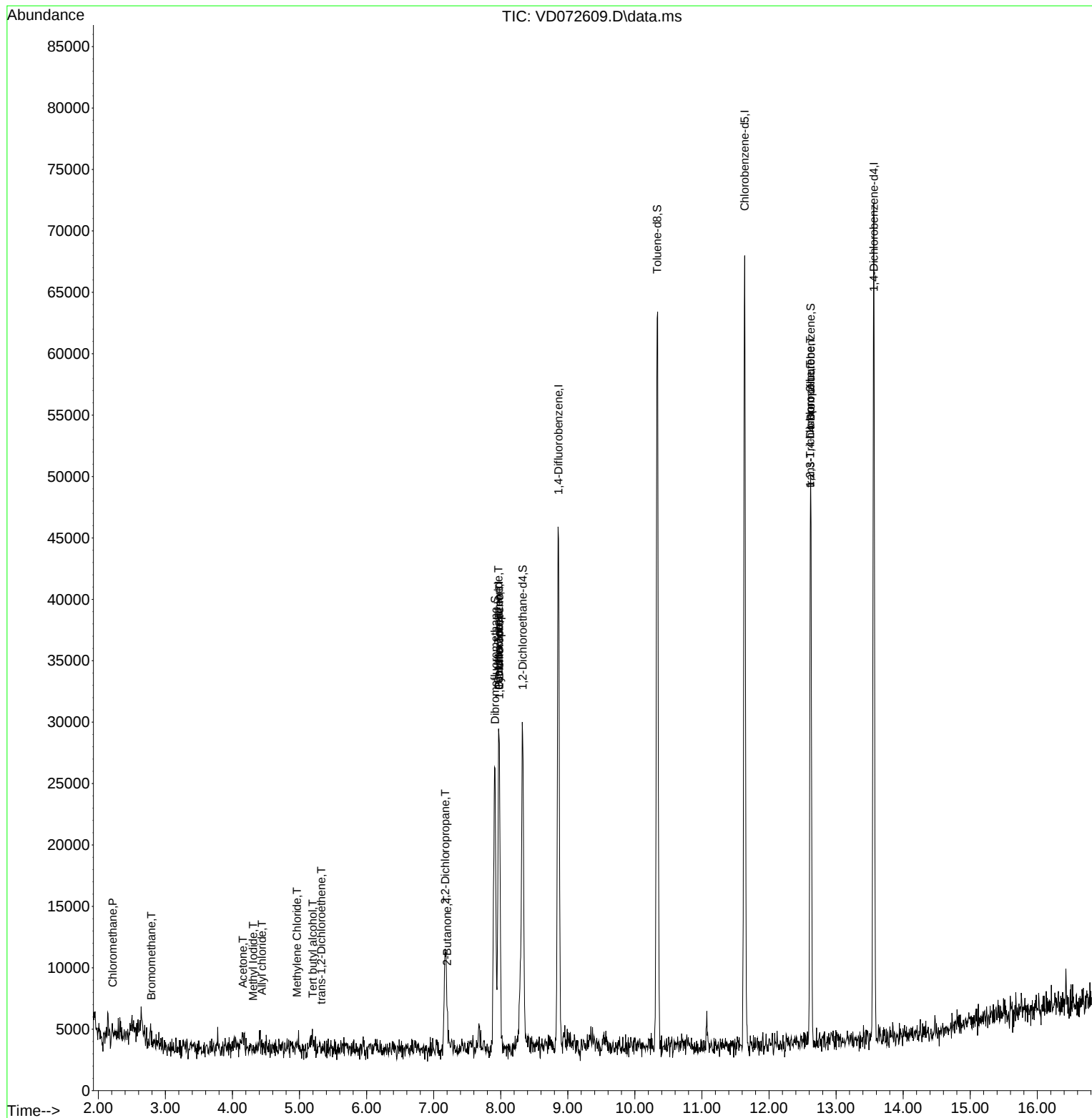
Internal Standards						
1) Pentafluorobenzene	7.973	168	19206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	35225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	39043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	17483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	20057	86.328	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.660%#	
35) Dibromofluoromethane	7.914	113	17071	62.360	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.720%	
50) Toluene-d8	10.332	98	44849	47.132	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.260%	
62) 4-Bromofluorobenzene	12.620	95	16313	43.896	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	329	2.334	ug/l #	26
5) Bromomethane	2.791	94	598	5.504	ug/l #	60
10) Methyl Iodide	4.309	142	158	4.442	ug/l #	38
11) Tert butyl alcohol	5.197	59	918	74.821	ug/l #	74
14) Allyl chloride	4.438	41	60	1.320	ug/l #	22
16) Acetone	4.156	43	1504	34.716	ug/l	96
20) Methylene Chloride	4.962	84	487	1.888	ug/l #	32
21) trans-1,2-Dichloroethene	5.326	96	53	1.002	ug/l #	1
25) 2-Butanone	7.203	43	425	7.093	ug/l #	52
26) 2,2-Dichloropropane	7.173	77	539	1.453	ug/l #	54
31) Cyclohexane	7.973	56	526	1.731	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	1518	5.366	ug/l #	43
38) Carbon Tetrachloride	7.967	117	1791	4.749	ug/l #	13
76) 1,2,3-Trichloropropane	12.614	75	8508	44.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	8508	109.487	ug/l #	7

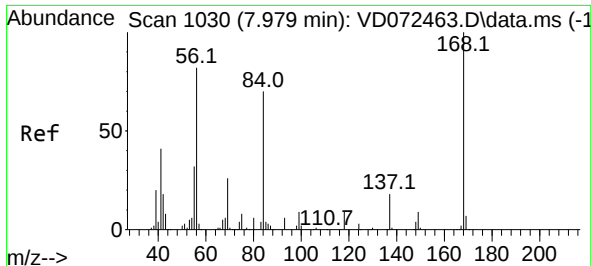
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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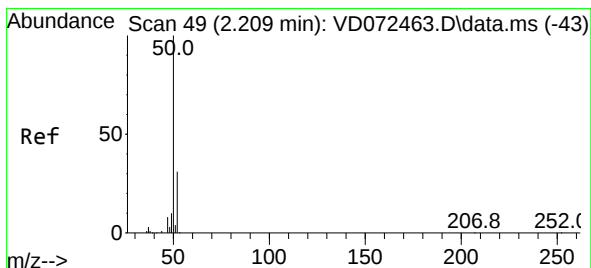
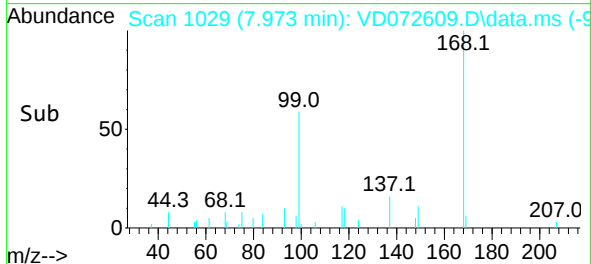
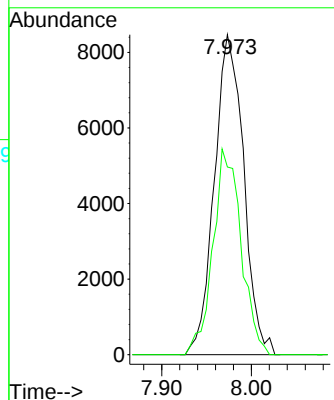
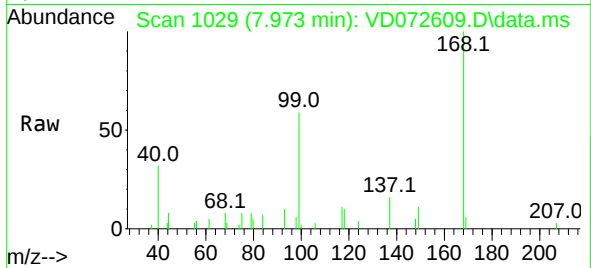




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

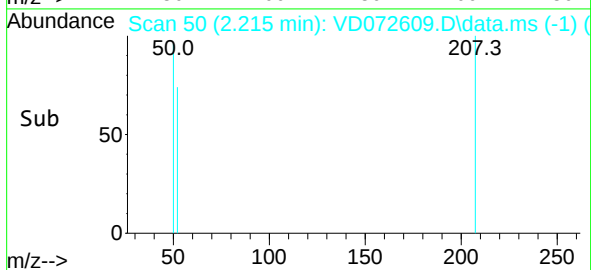
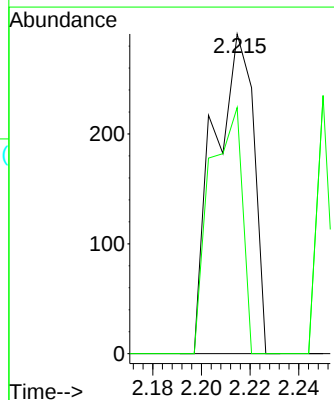
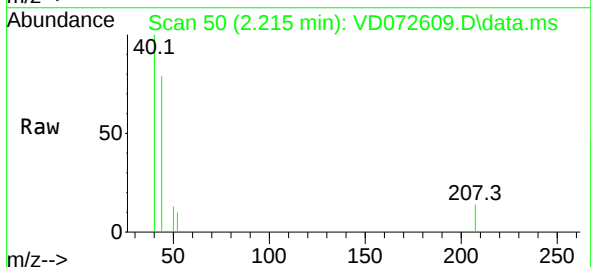
Instrument :
MSVOA_D
ClientSampleId :
SB-11

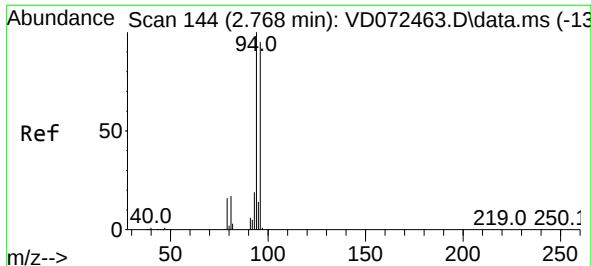
Tgt Ion:168 Resp: 19206
Ion Ratio Lower Upper
168 100
99 58.7 49.8 74.6



#3
Chloromethane
Concen: 2.334 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

Tgt Ion: 50 Resp: 329
Ion Ratio Lower Upper
50 100
52 77.0 27.4 41.0#

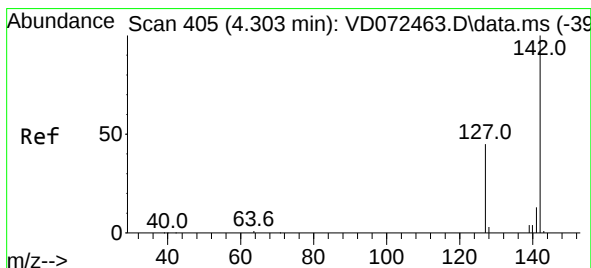
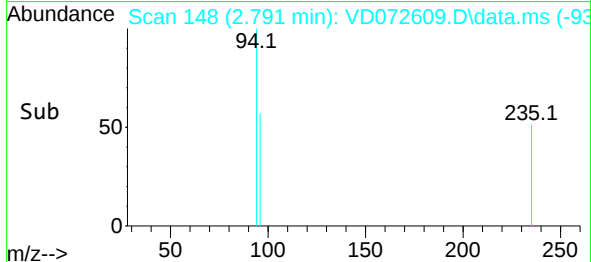
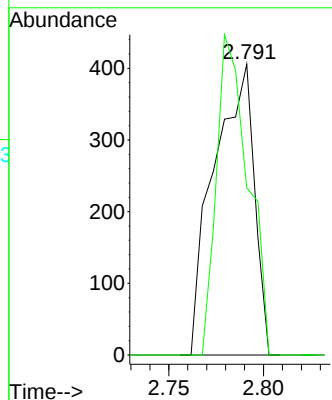
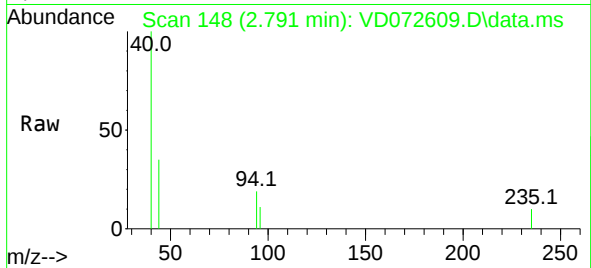




#5
Bromomethane
Concen: 5.504 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.024 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

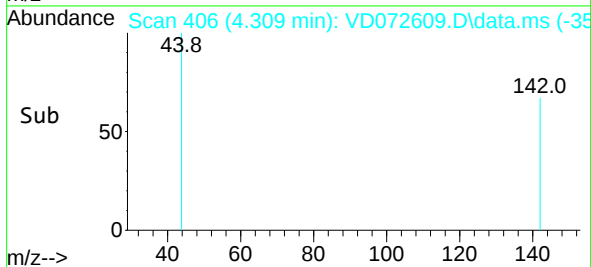
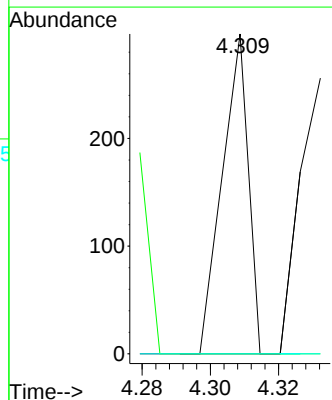
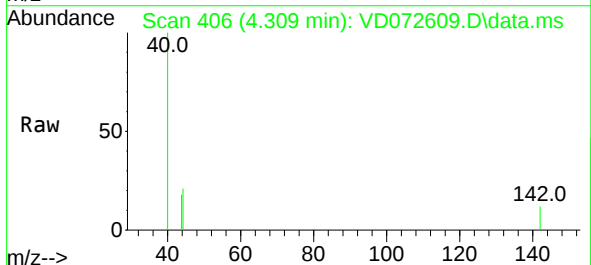
Instrument :
MSVOA_D
ClientSampleId :
SB-11

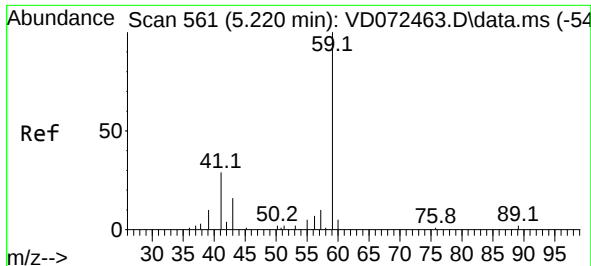
Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 57.4 77.6 116.4#



#10
Methyl Iodide
Concen: 4.442 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

Tgt Ion: 142 Resp: 158
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 74.821 ug/l

RT: 5.197 min Scan# 51

Delta R.T. -0.023 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

Instrument :

MSVOA_D

ClientSampleId :

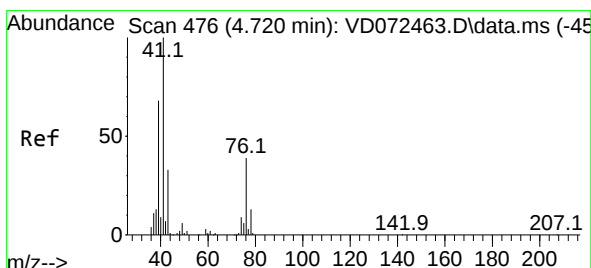
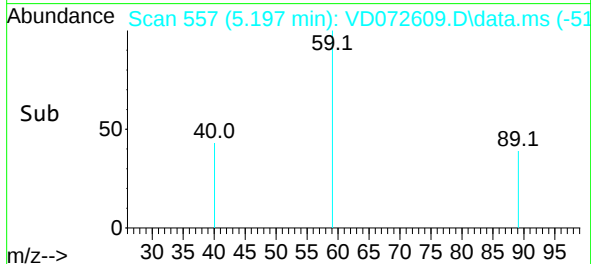
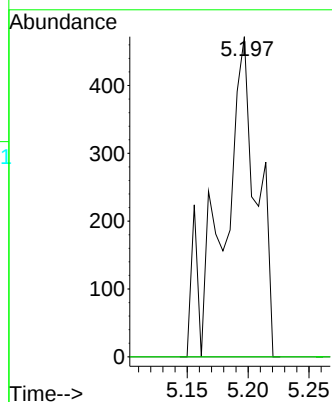
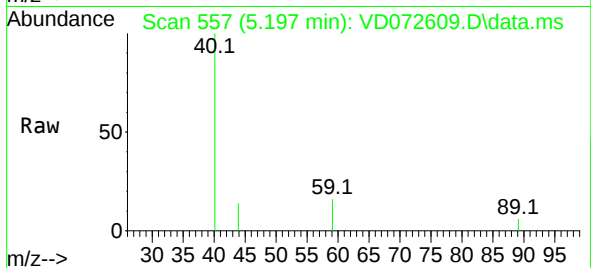
SB-11

Tgt Ion: 59 Resp: 918

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.320 ug/l

RT: 4.438 min Scan# 428

Delta R.T. -0.282 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

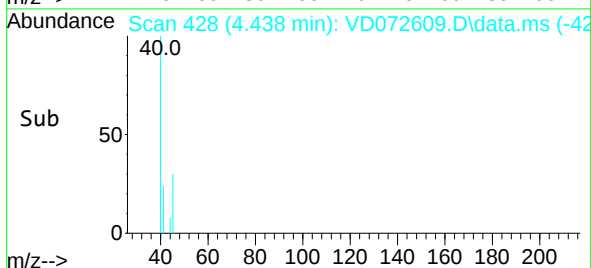
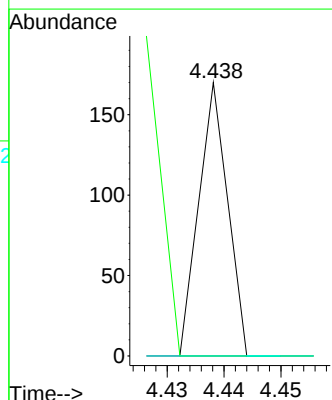
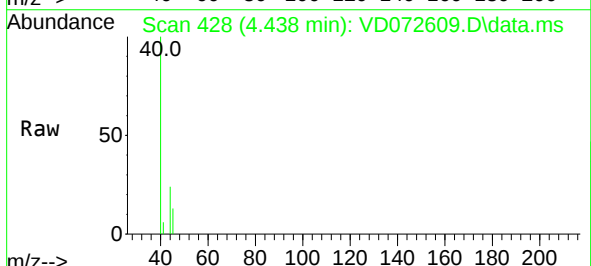
Tgt Ion: 41 Resp: 60

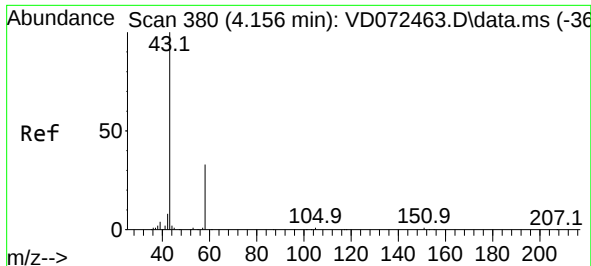
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

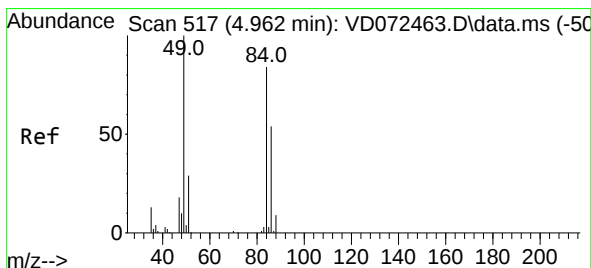
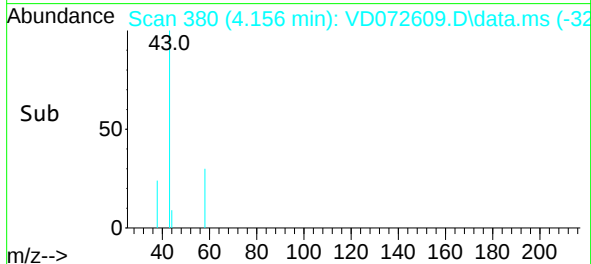
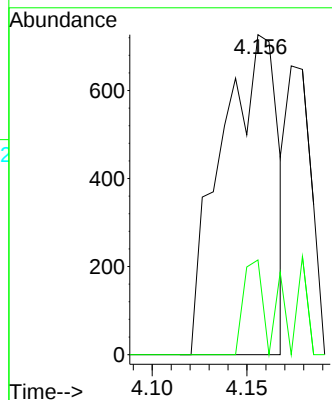
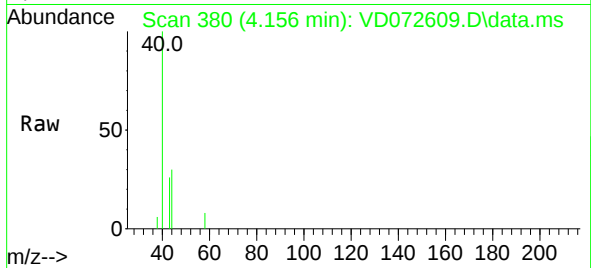




#16
Acetone
Concen: 34.716 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

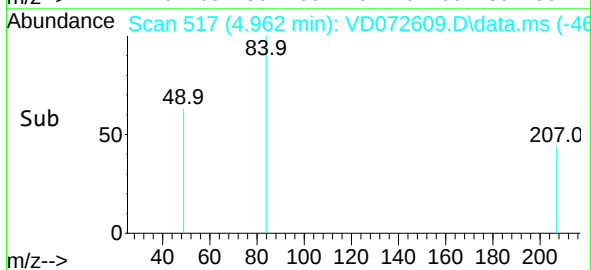
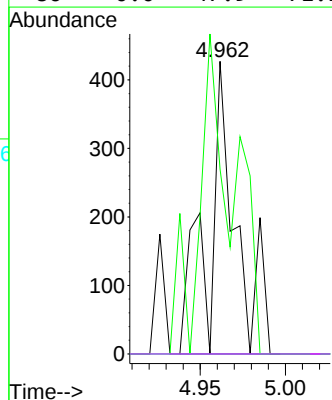
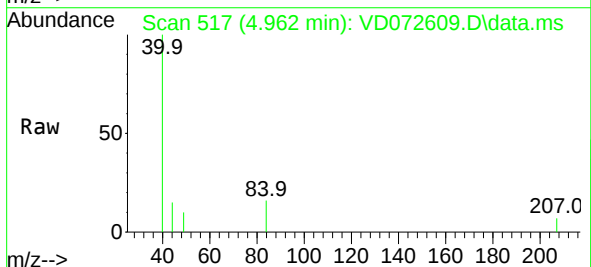
Instrument :
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ClientSampleId :
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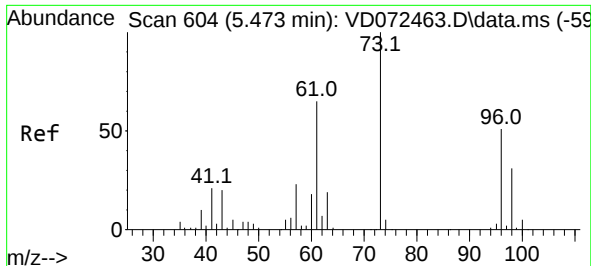
Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 29.6 22.1 33.1



#20
Methylene Chloride
Concen: 1.888 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 63.2 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#

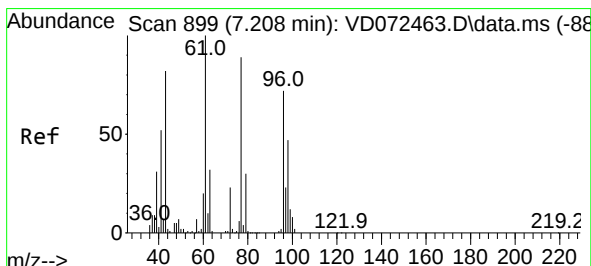
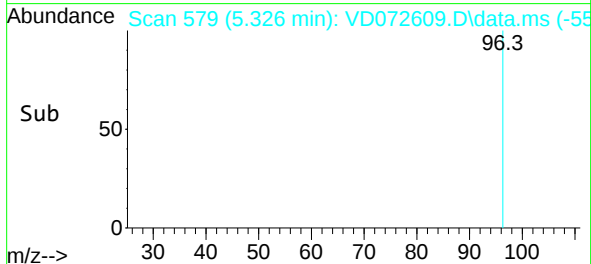
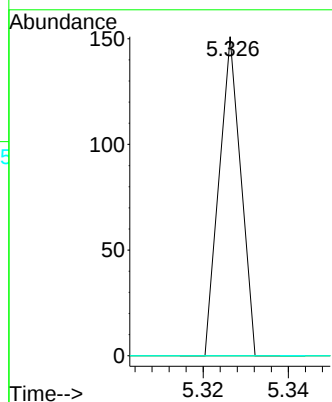
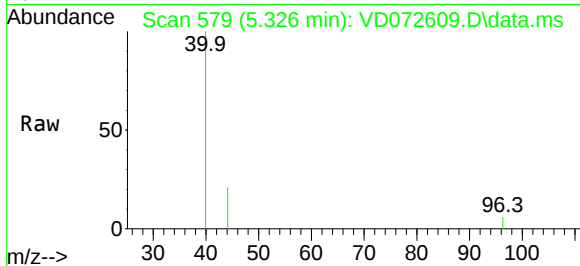




#21
trans-1,2-Dichloroethene
Concen: 1.002 ug/l
RT: 5.326 min Scan# 51
Delta R.T. -0.147 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

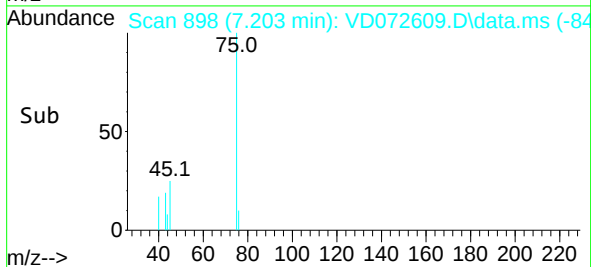
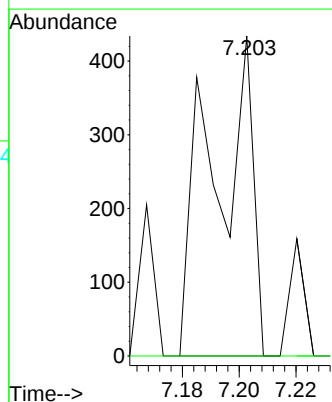
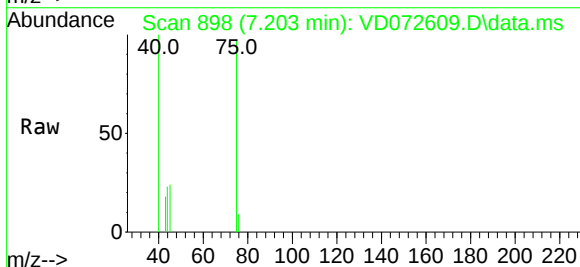
Instrument :
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ClientSampleId :
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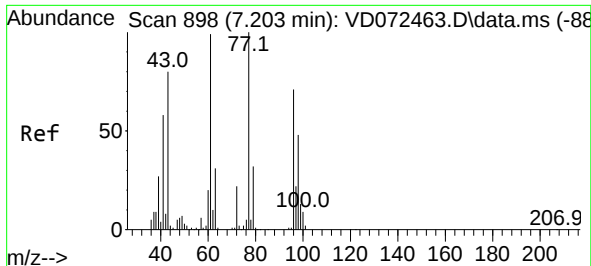
Tgt Ion: 96 Resp: 53
Ion Ratio Lower Upper
96 100
61 0.0 117.9 176.9#
98 0.0 49.4 74.2#



#25
2-Butanone
Concen: 7.093 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.453 ug/l

RT: 7.173 min Scan# 89

Delta R.T. -0.029 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

Instrument :

MSVOA_D

ClientSampleId :

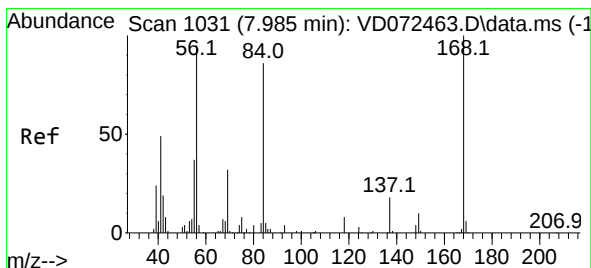
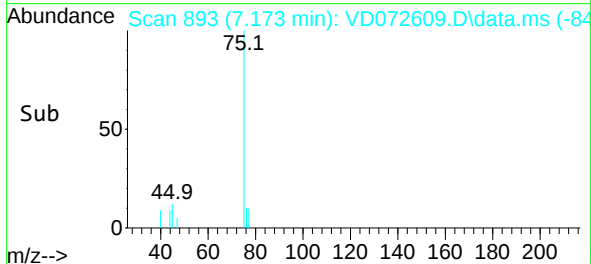
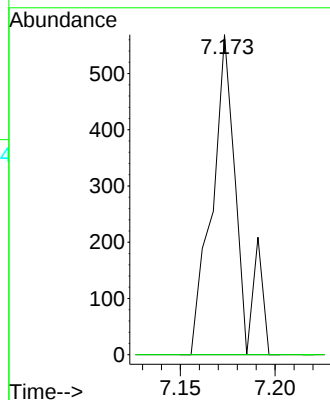
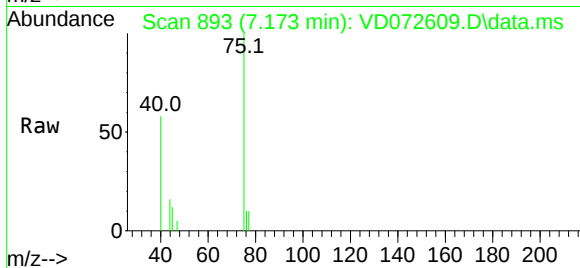
SB-11

Tgt Ion: 77 Resp: 539

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.731 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

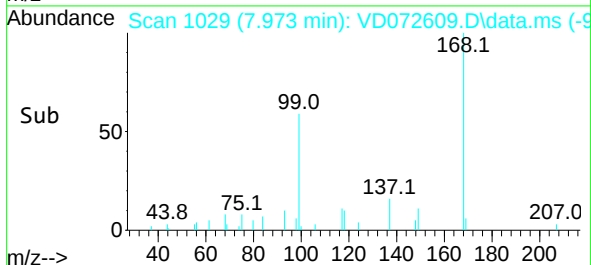
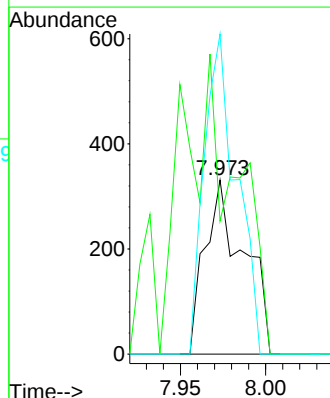
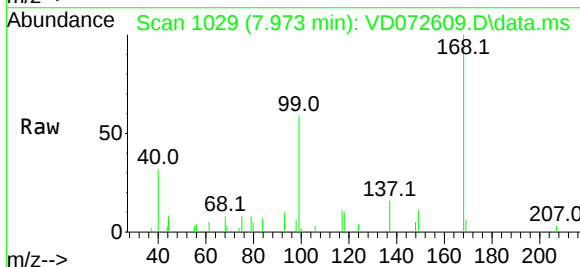
Tgt Ion: 56 Resp: 526

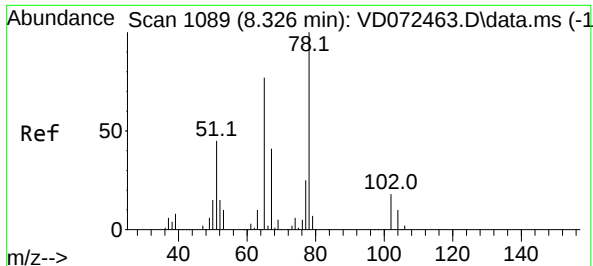
Ion Ratio Lower Upper

56 100

69 76.4 25.4 38.2#

84 184.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 86.328 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

Instrument :

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ClientSampleId :

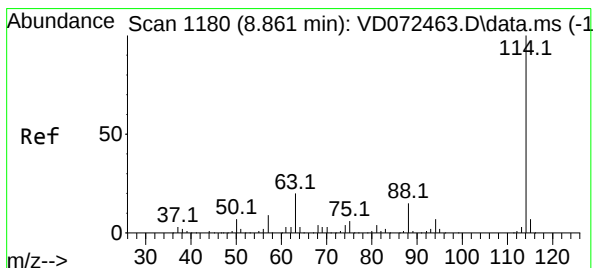
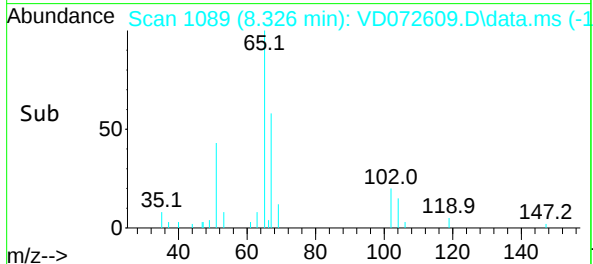
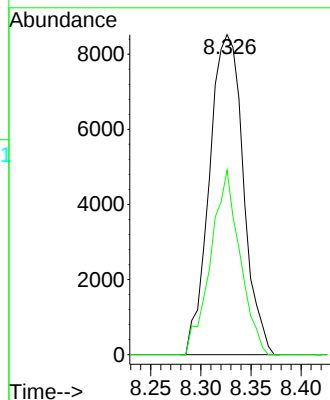
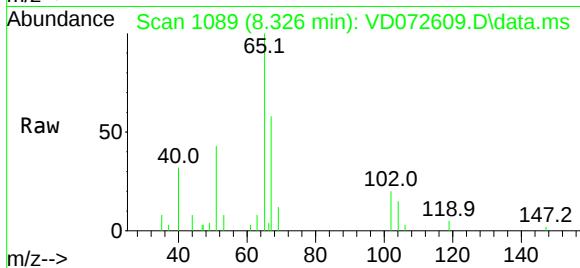
SB-11

Tgt Ion: 65 Resp: 20057

Ion Ratio Lower Upper

65 100

67 49.7 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: VD072609.D

Acq: 18 Apr 2022 20:41

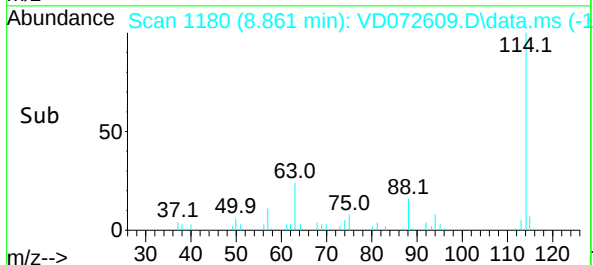
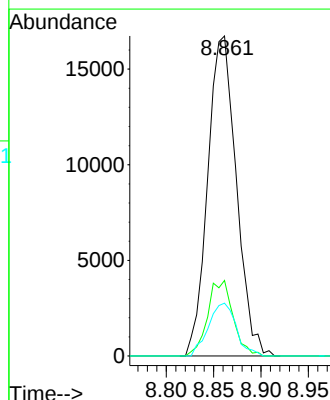
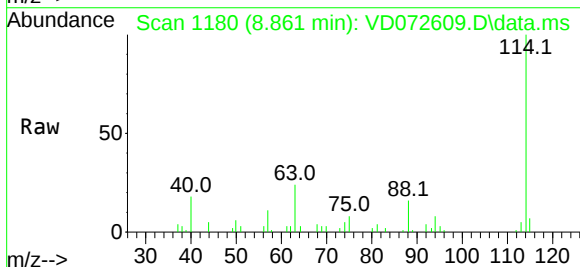
Tgt Ion: 114 Resp: 35225

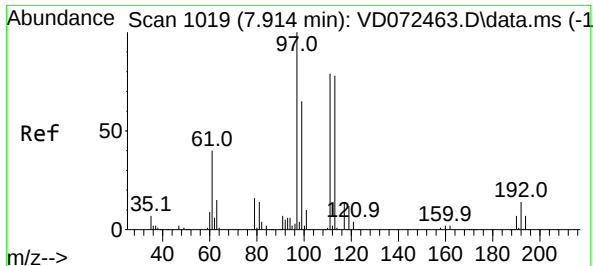
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 62.360 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

Instrument :

MSVOA_D

ClientSampleId :

SB-11

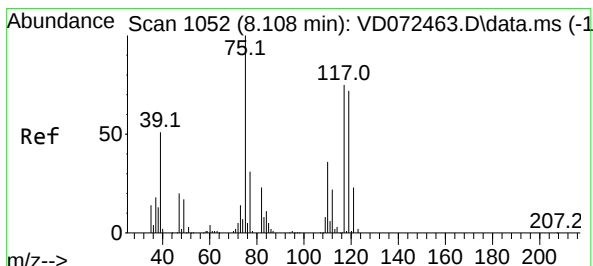
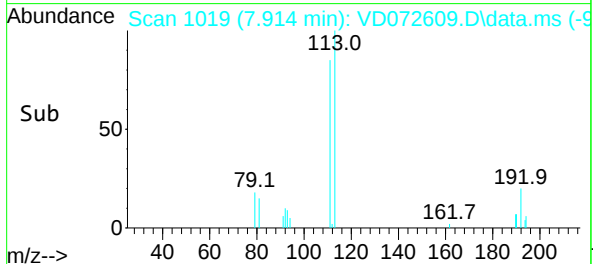
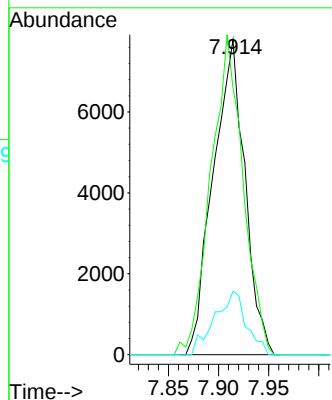
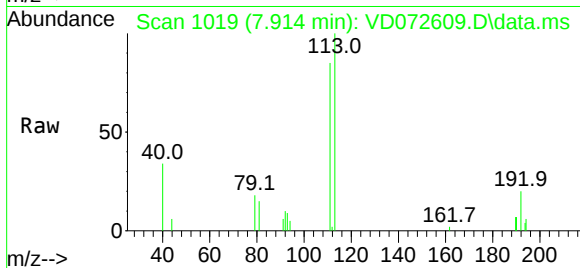
Tgt Ion:113 Resp: 17071

Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 20.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.366 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

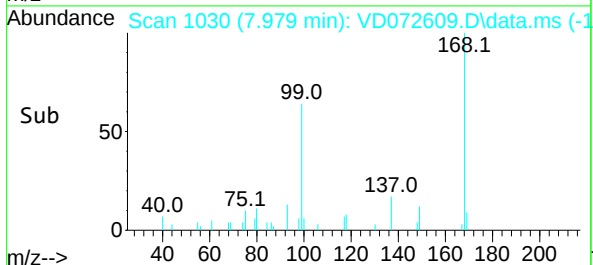
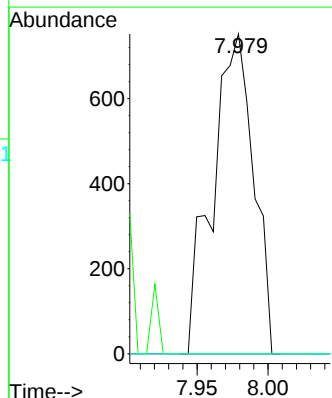
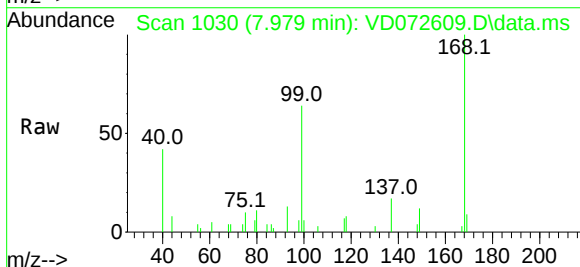
Tgt Ion: 75 Resp: 1518

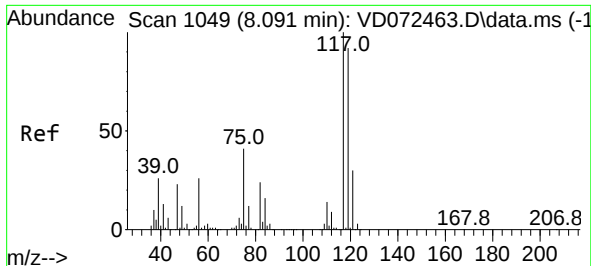
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#

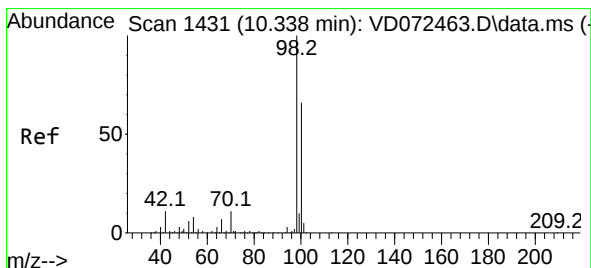
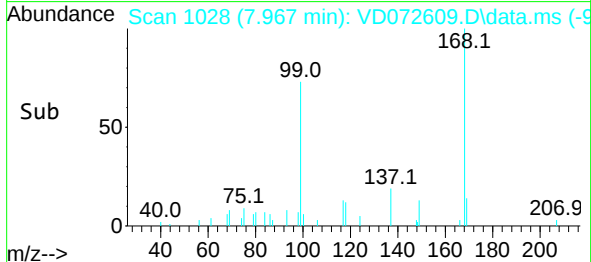
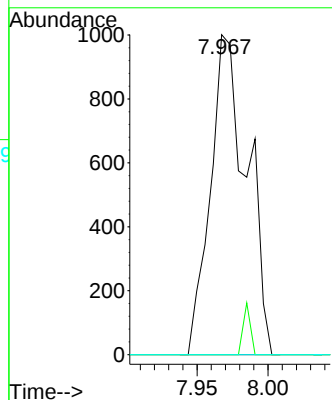
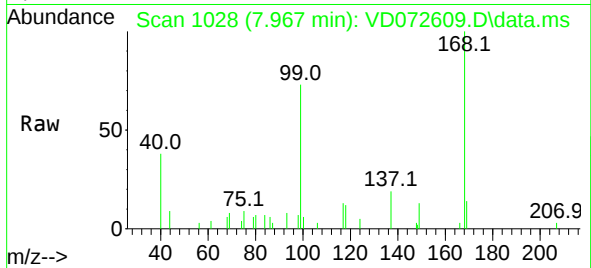




#38
Carbon Tetrachloride
Concen: 4.749 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

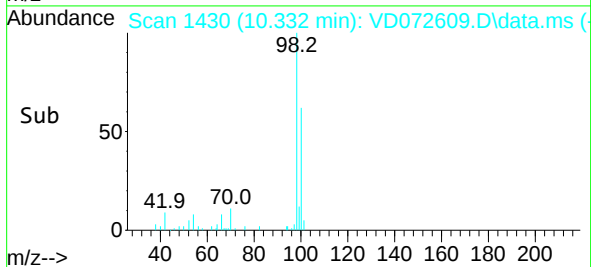
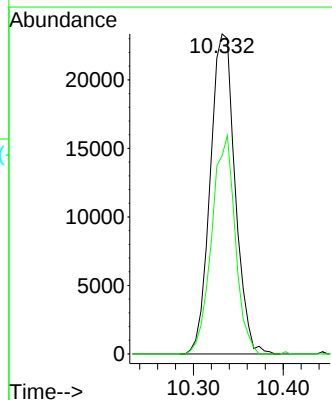
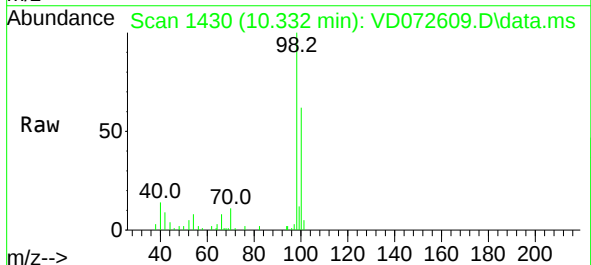
Instrument :
MSVOA_D
ClientSampleId :
SB-11

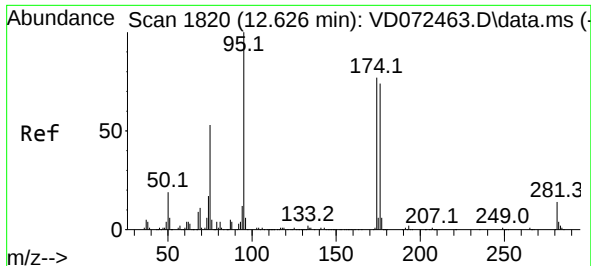
Tgt Ion:117 Resp: 1791
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.132 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072609.D
Acq: 18 Apr 2022 20:41

Tgt Ion: 98 Resp: 44849
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 43.896 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD072609.D

Acq: 18 Apr 2022 20:41

Instrument :

MSVOA_D

ClientSampleId :

SB-11

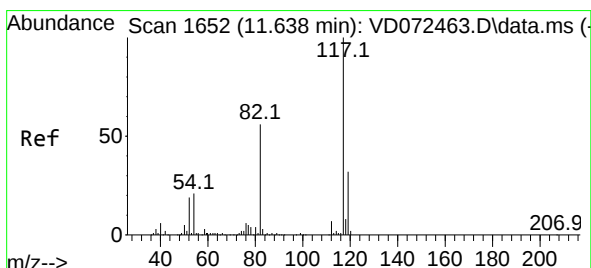
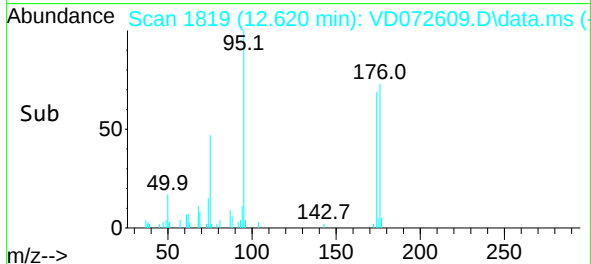
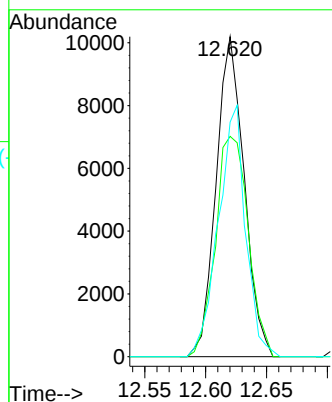
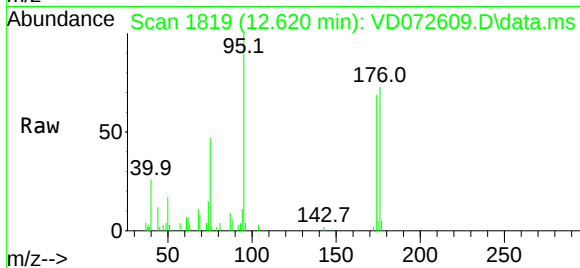
Tgt Ion: 95 Resp: 16313

Ion Ratio Lower Upper

95 100

174 80.7 0.0 152.8

176 76.3 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: VD072609.D

Acq: 18 Apr 2022 20:41

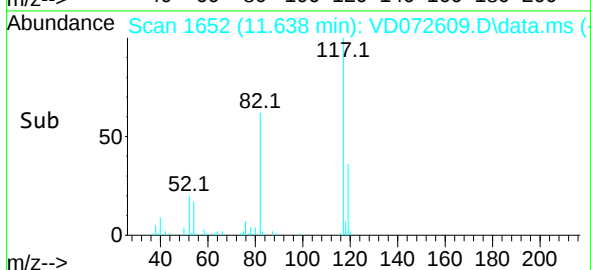
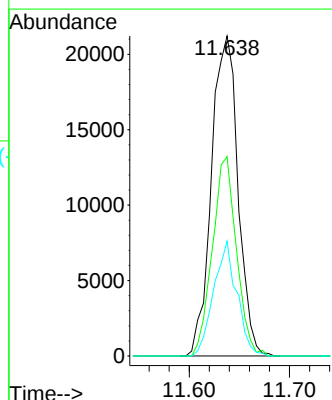
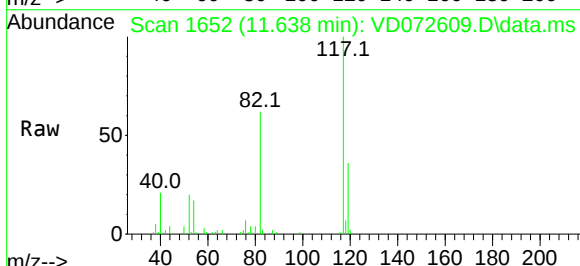
Tgt Ion: 117 Resp: 39043

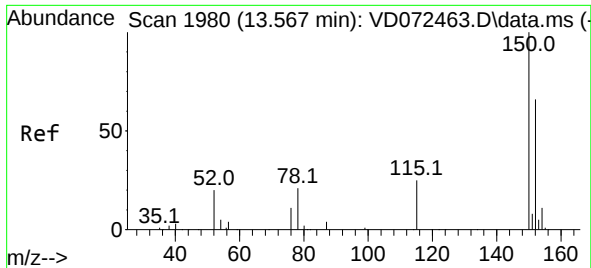
Ion Ratio Lower Upper

117 100

82 62.3 45.3 67.9

119 35.9 26.6 40.0

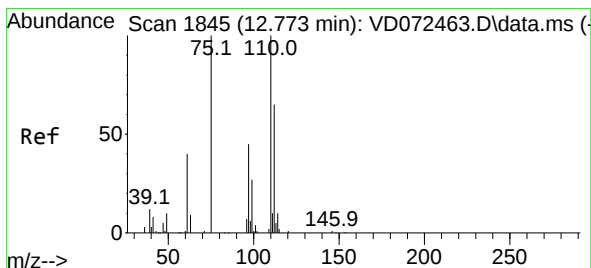
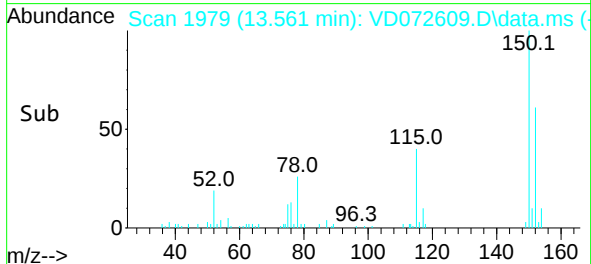
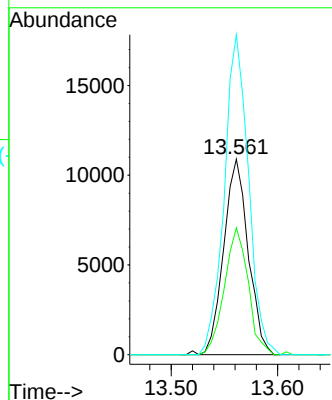
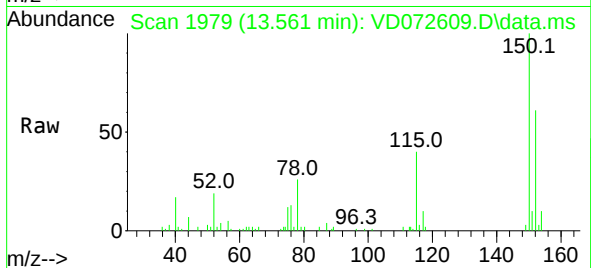




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD072609.D
 Acq: 18 Apr 2022 20:41

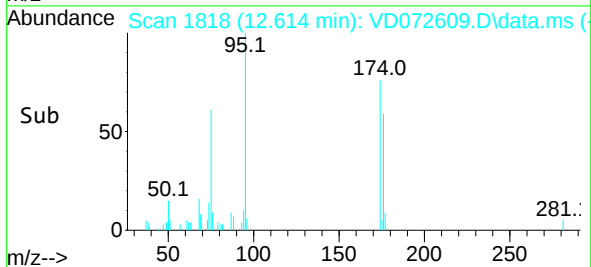
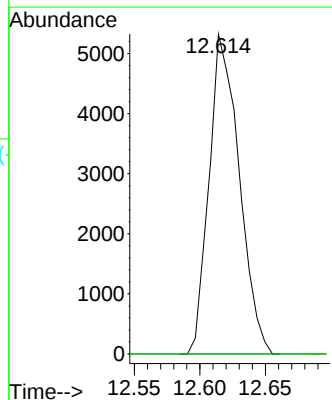
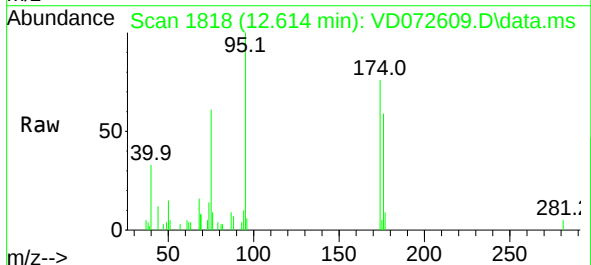
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

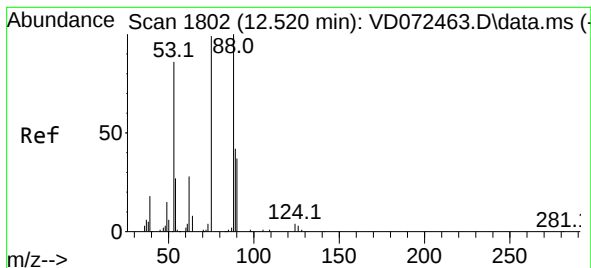
Tgt Ion:152 Resp: 17483
 Ion Ratio Lower Upper
 152 100
 115 62.4 31.3 93.8
 150 161.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.619 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.159 min
 Lab File: VD072609.D
 Acq: 18 Apr 2022 20:41

Tgt Ion: 75 Resp: 8508
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.487 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.094 min
 Lab File: VD072609.D
 Acq: 18 Apr 2022 20:41

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

Tgt Ion: 75 Resp: 8508
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

