

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072758.D
 Acq On : 02 May 2022 20:58
 Operator : VA/SY
 Sample : N2604-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-042822

Quant Time: May 03 08:37:37 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)

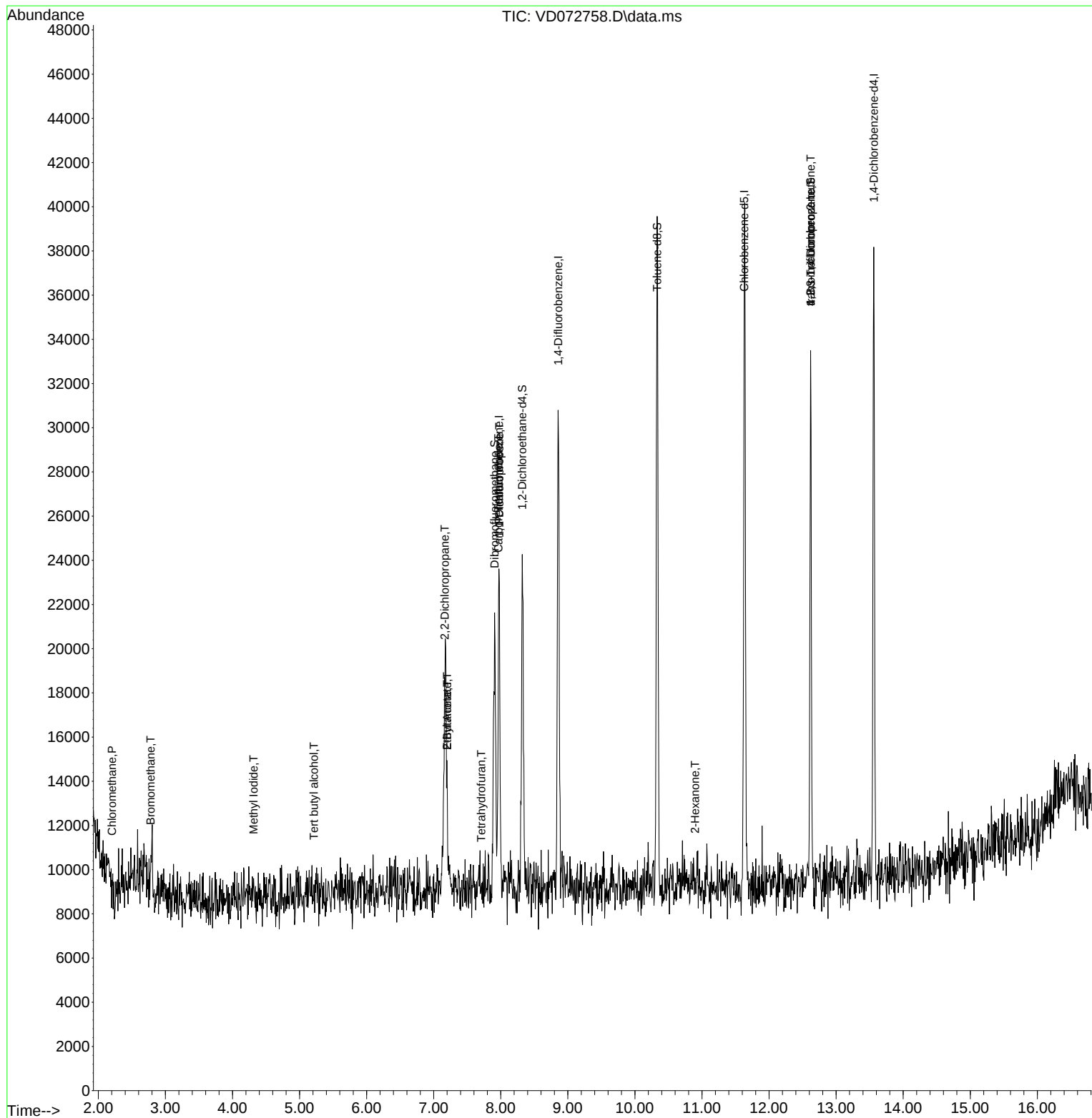
Internal Standards						
1) Pentafluorobenzene	7.973	168	10567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	17449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	18898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	10884	79.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.700%	
35) Dibromofluoromethane	7.908	113	8721	71.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.340%	
50) Toluene-d8	10.332	98	20551	46.751	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.500%	
62) 4-Bromofluorobenzene	12.620	95	7445	45.421	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.840%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	719	4.735	ug/l	89
5) Bromomethane	2.779	94	483	4.353	ug/l	82
10) Methyl Iodide	4.314	142	1018	7.161	ug/l #	49
11) Tert butyl alcohol	5.214	59	119	10.027	ug/l #	74
16) Acetone	4.162	43	300	Below Cal	#	47
20) Methylene Chloride	4.950	84	291	Below Cal	#	62
25) 2-Butanone	7.203	43	299	7.481	ug/l #	52
26) 2,2-Dichloropropane	7.167	77	653	2.841	ug/l #	54
29) Tetrahydrofuran	7.708	42	108	4.239	ug/l #	38
36) 1,1-Dichloropropene	7.979	75	1002	5.029	ug/l #	43
37) Ethyl Acetate	7.203	43	299	3.264	ug/l #	1
38) Carbon Tetrachloride	7.967	117	1108	5.357	ug/l #	13
59) 2-Hexanone	10.897	43	60	1.015	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	4177	49.367	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	4177	113.524	ug/l #	7

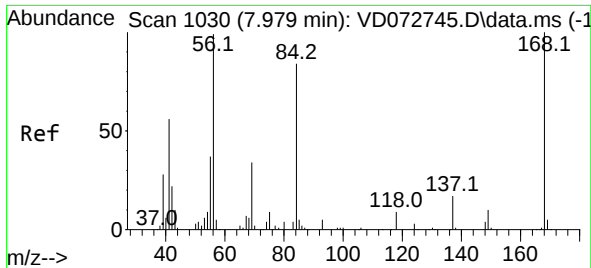
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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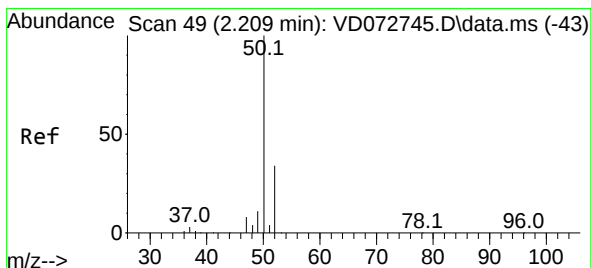
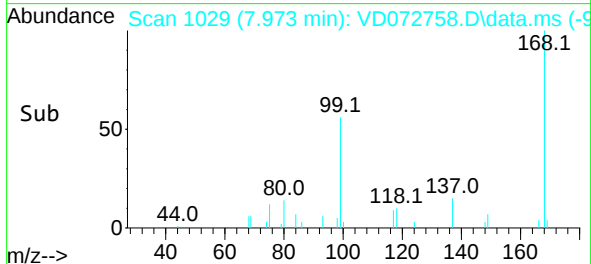
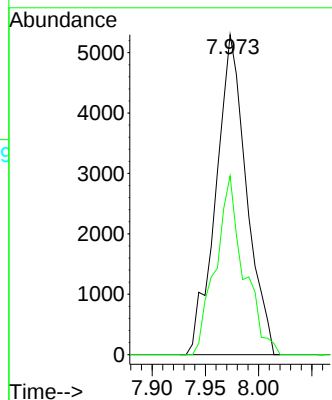
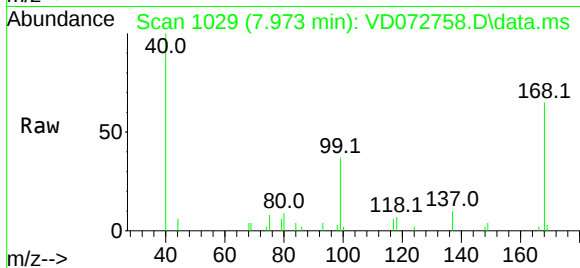




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

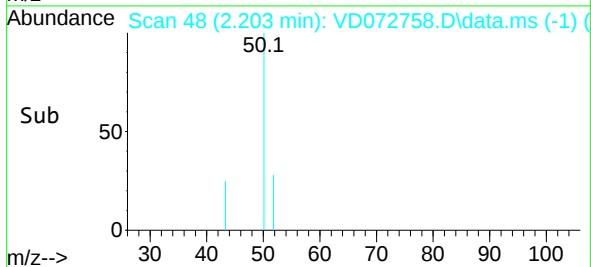
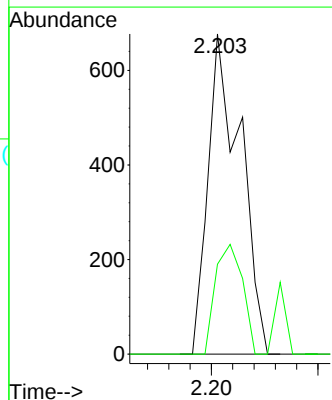
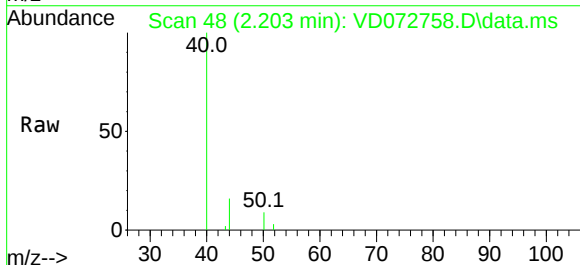
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

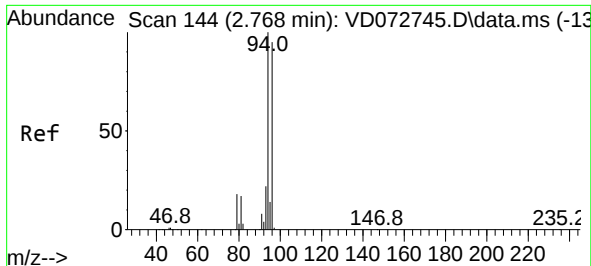
Tgt Ion:168 Resp: 10567
Ion Ratio Lower Upper
168 100
99 55.9 49.8 74.6



#3
Chloromethane
Concen: 4.735 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 28.1 27.4 41.0

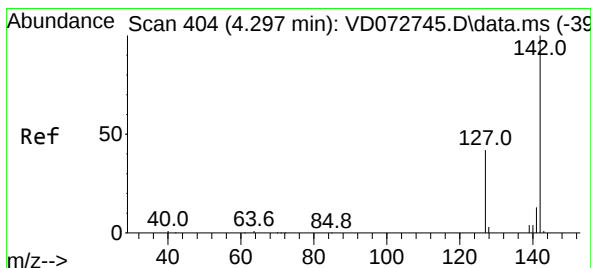
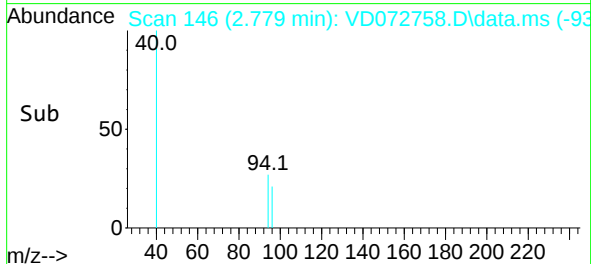
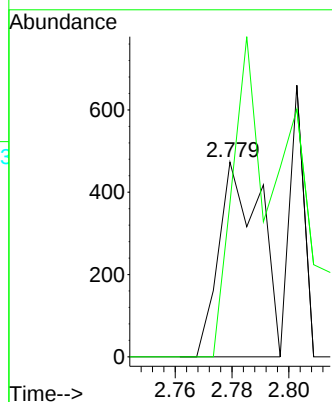
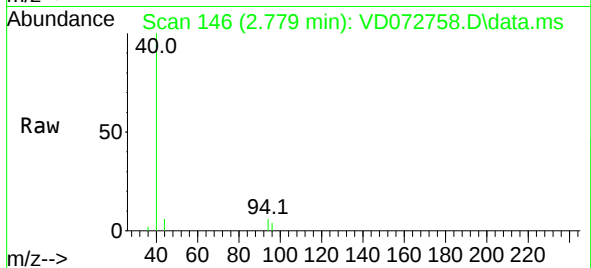




#5
Bromomethane
Concen: 4.353 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

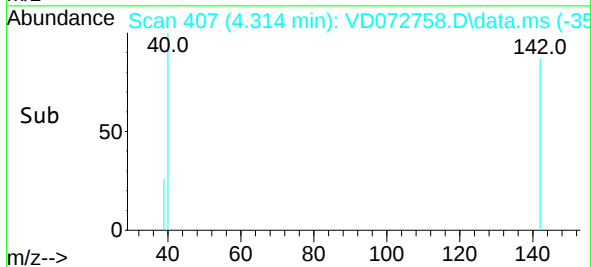
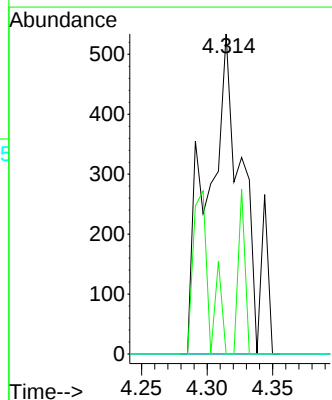
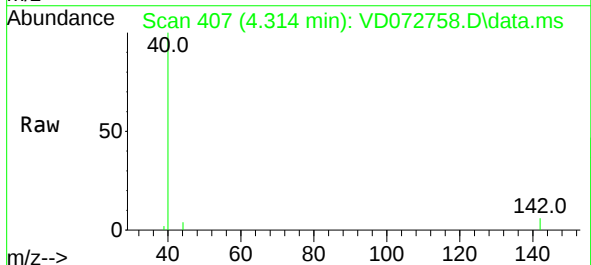
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

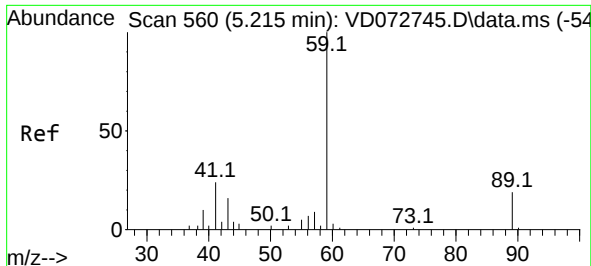
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 79.1 77.6 116.4



#10
Methyl Iodide
Concen: 7.161 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion:142 Resp: 1018
Ion Ratio Lower Upper
142 100
127 9.5 37.3 55.9#
141 0.0 11.7 17.5#

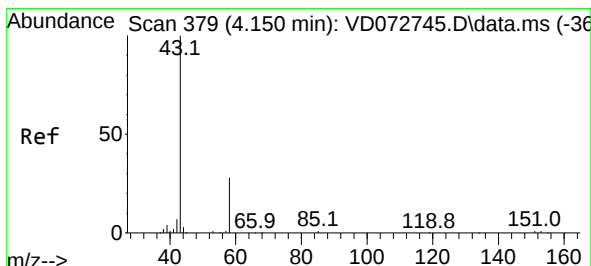
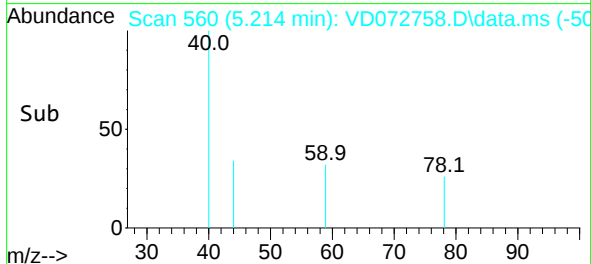
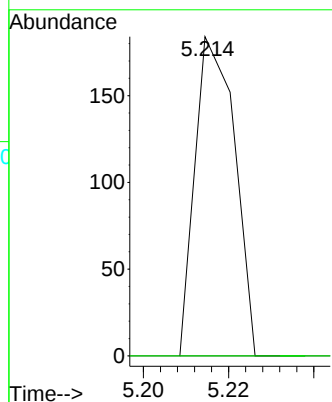
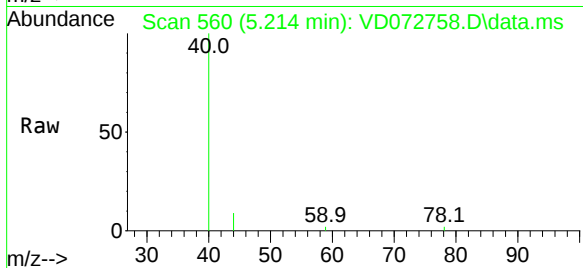




#11
Tert butyl alcohol
Concen: 10.027 ug/l
RT: 5.214 min Scan# 50
Delta R.T. -0.001 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

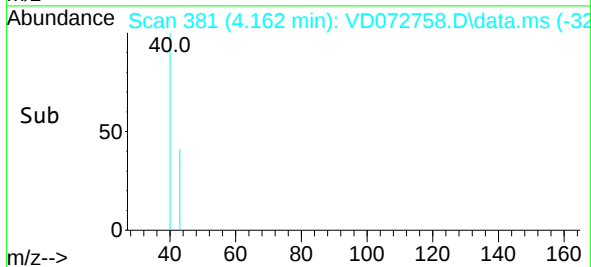
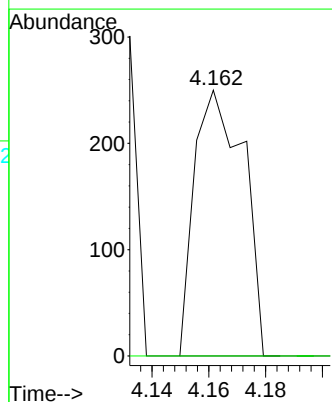
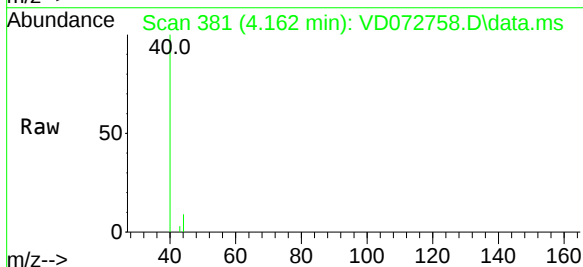
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

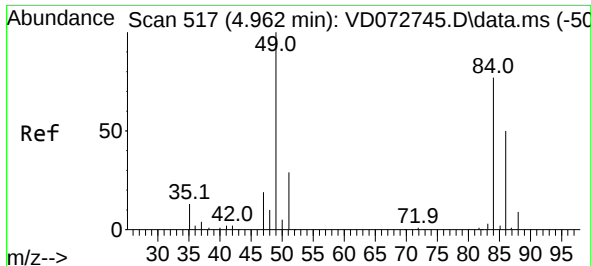
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

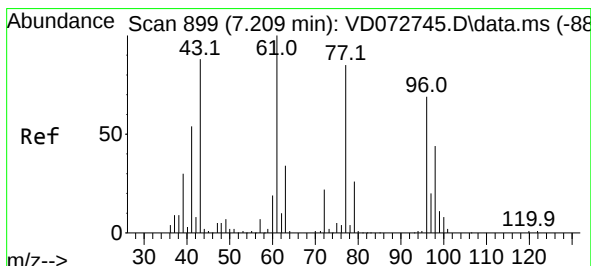
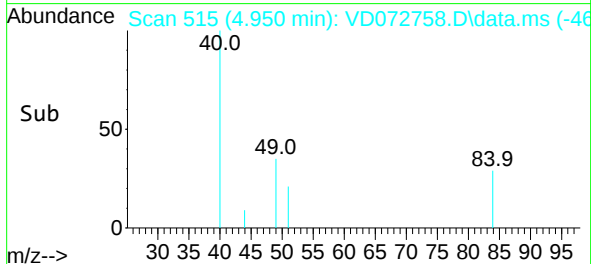
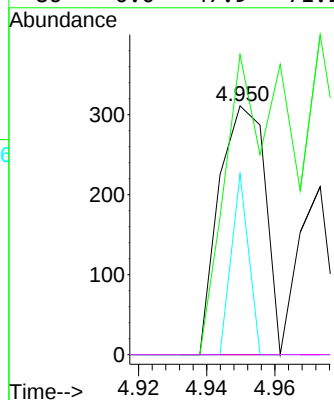
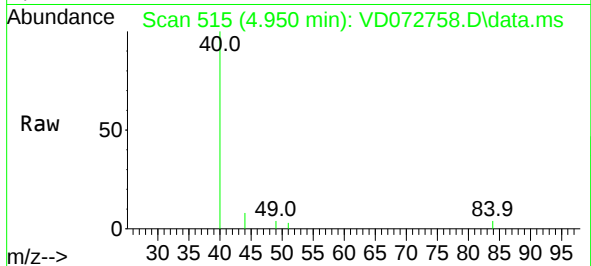




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

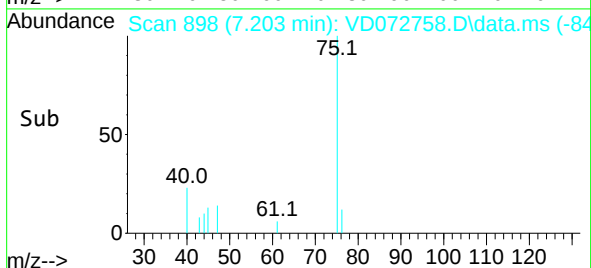
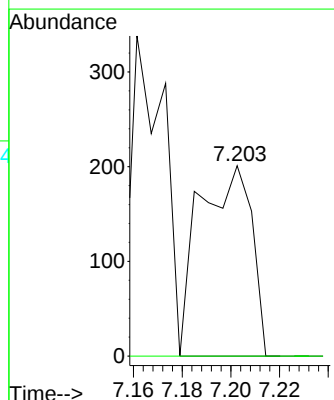
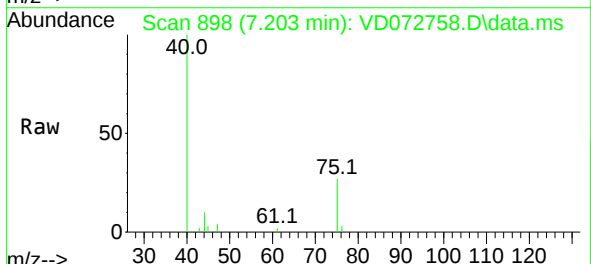
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

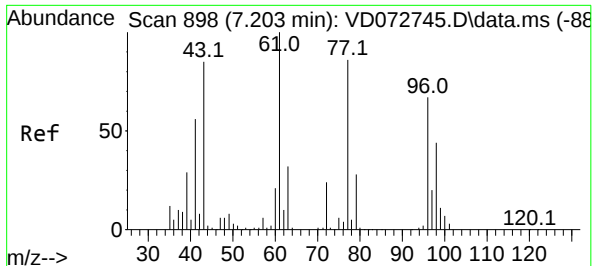
Tgt Ion: 84	Resp: 291
Ion Ratio	Lower Upper
84	100
49	120.6 112.8 169.2
51	72.7 32.6 48.8#
86	0.0 47.9 71.9#



#25
2-Butanone
Concen: 7.481 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion: 43	Resp: 299
Ion Ratio	Lower Upper
43	100
72	0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 2.841 ug/l

RT: 7.167 min Scan# 89

Delta R.T. -0.036 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

Instrument :

MSVOA_D

ClientSampleId :

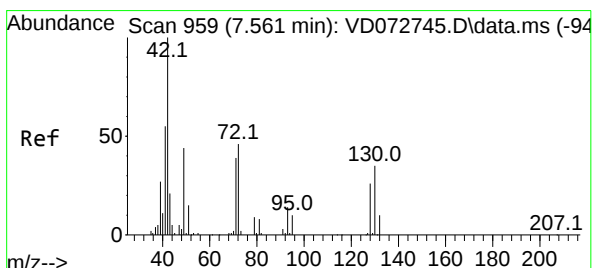
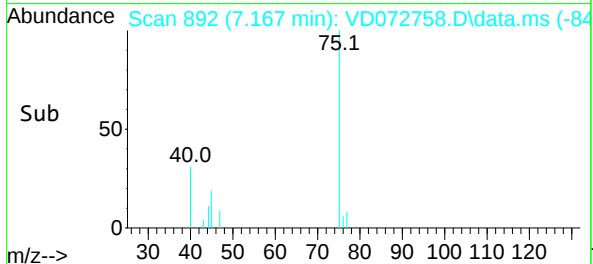
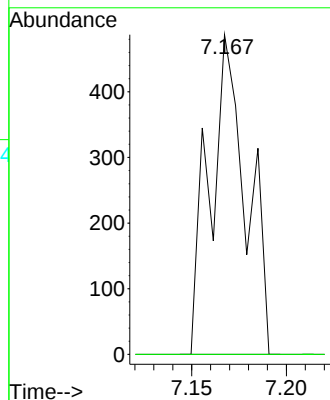
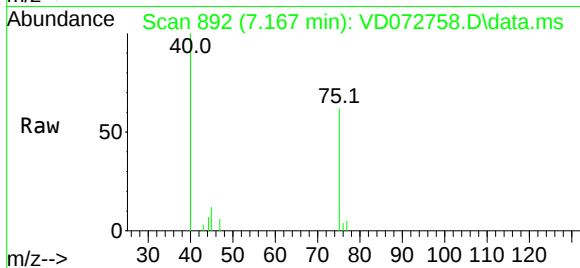
NB-07-042822

Tgt Ion: 77 Resp: 653

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 4.239 ug/l

RT: 7.708 min Scan# 984

Delta R.T. 0.147 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

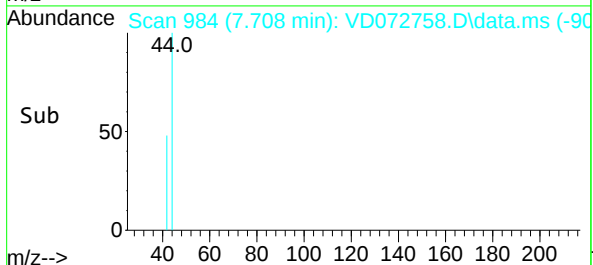
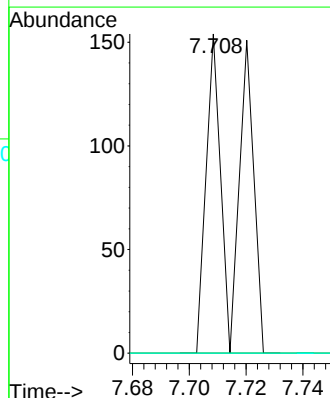
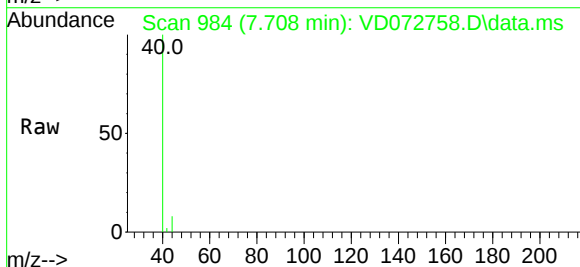
Tgt Ion: 42 Resp: 108

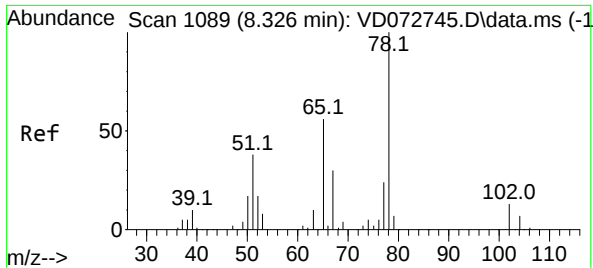
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 79.348 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

Instrument :

MSVOA_D

ClientSampleId :

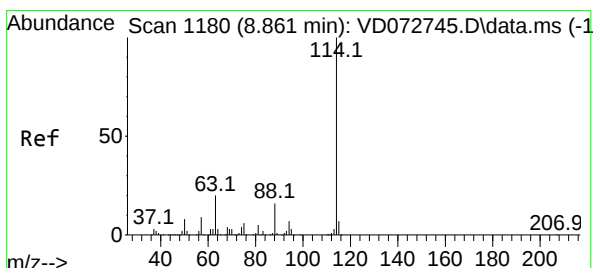
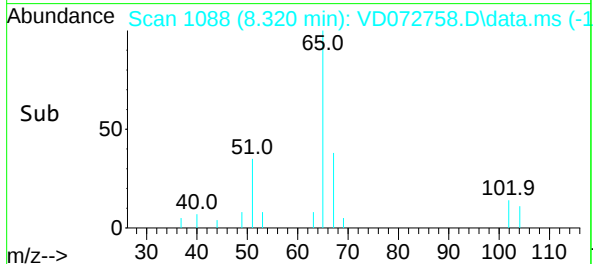
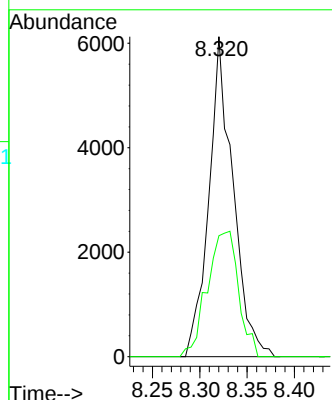
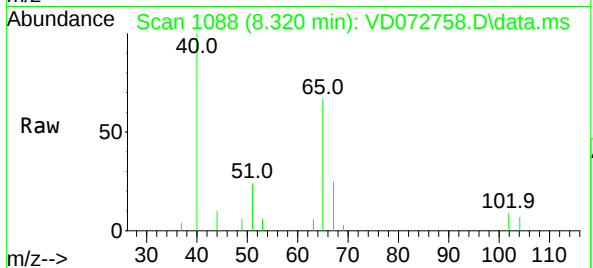
NB-07-042822

Tgt Ion: 65 Resp: 10884

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

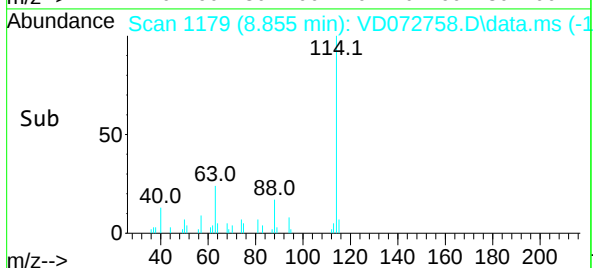
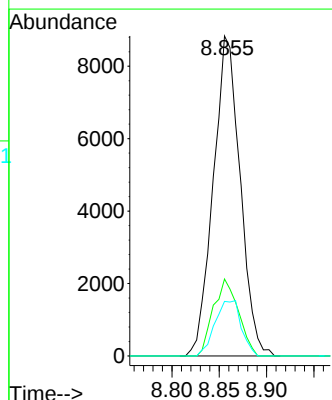
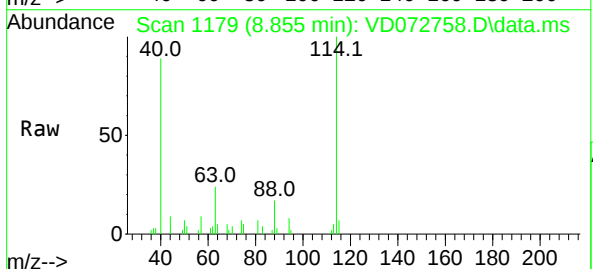
Tgt Ion: 114 Resp: 17449

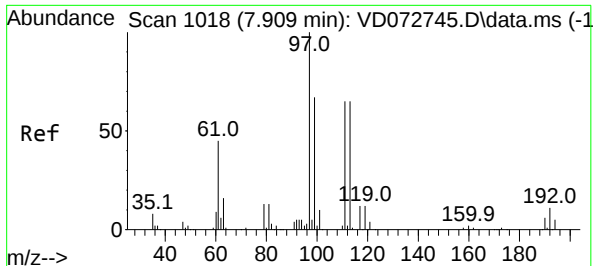
Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.6

88 17.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 71.165 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

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NB-07-042822

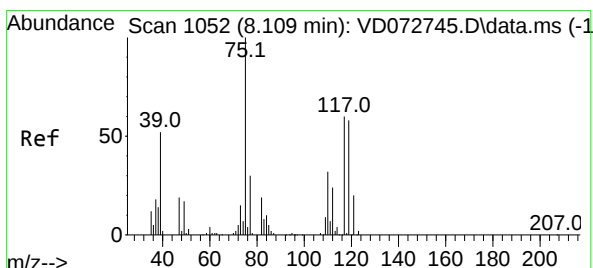
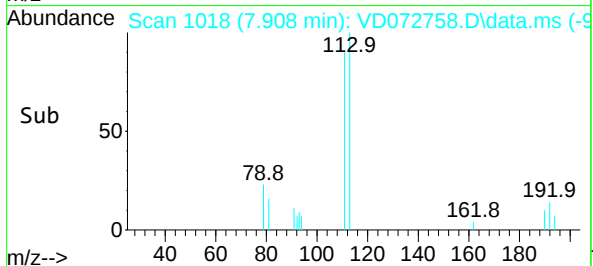
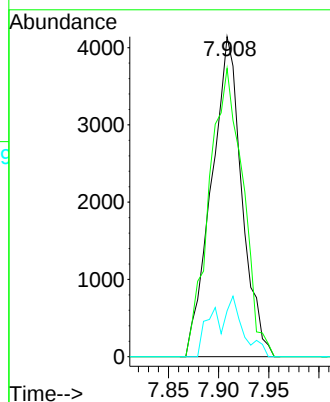
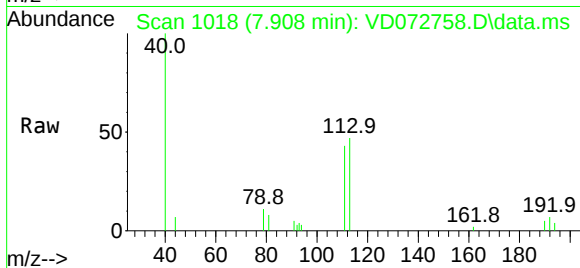
Tgt Ion:113 Resp: 8721

Ion Ratio Lower Upper

113 100

111 99.8 83.8 125.6

192 10.7 14.6 21.8#



#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

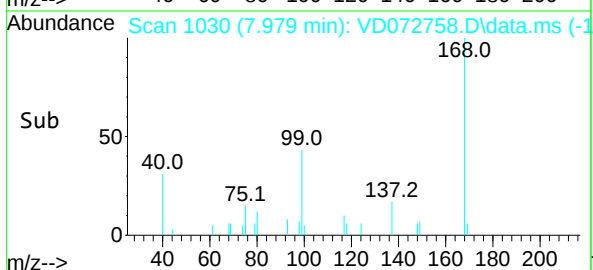
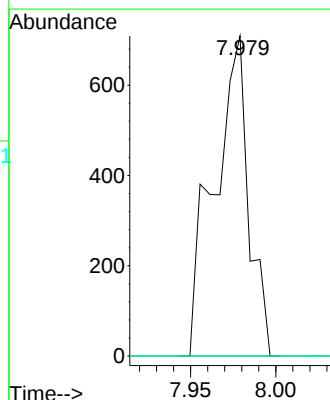
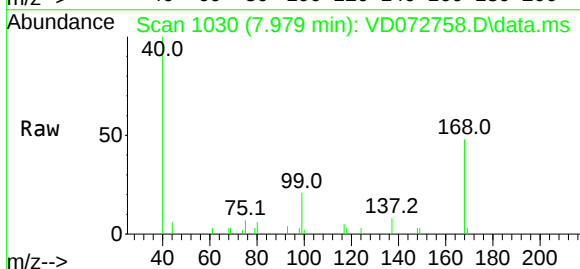
Tgt Ion: 75 Resp: 1002

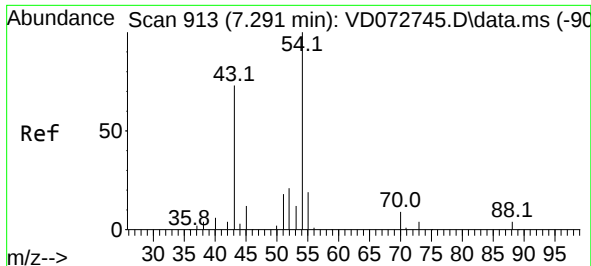
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 3.264 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.088 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

Instrument :

MSVOA_D

ClientSampleId :

NB-07-042822

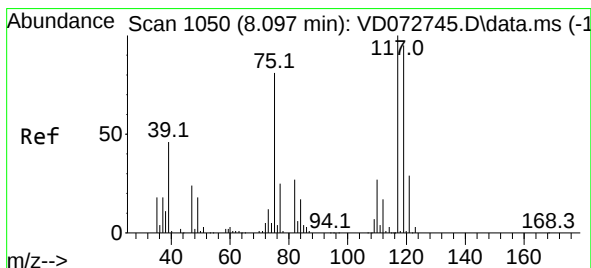
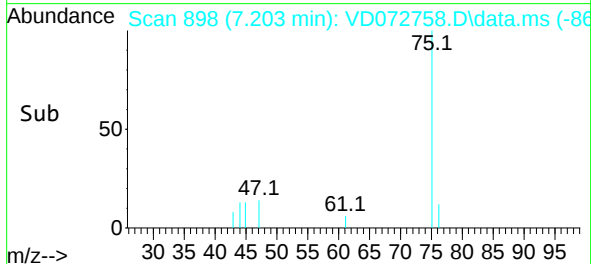
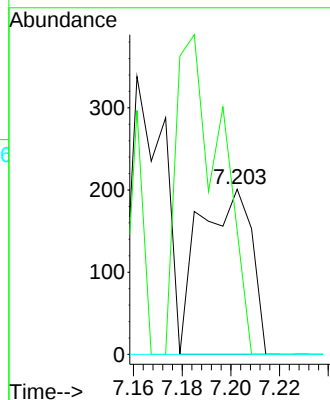
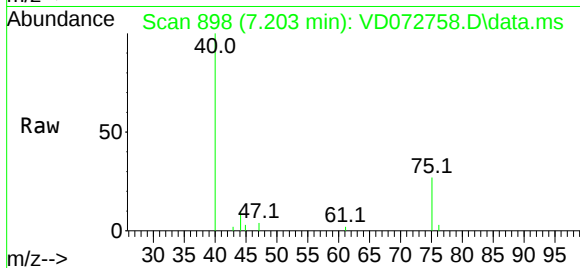
Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

61 165.6 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.357 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.130 min

Lab File: VD072758.D

Acq: 02 May 2022 20:58

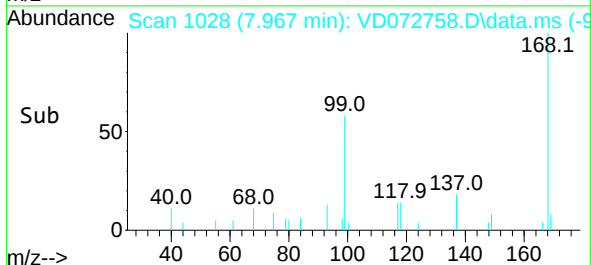
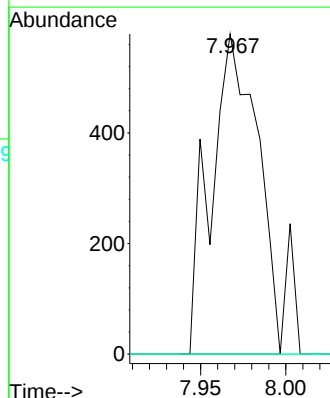
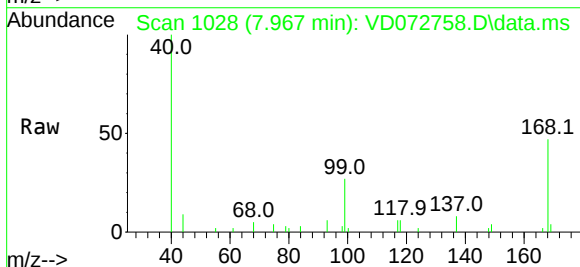
Tgt Ion: 117 Resp: 1108

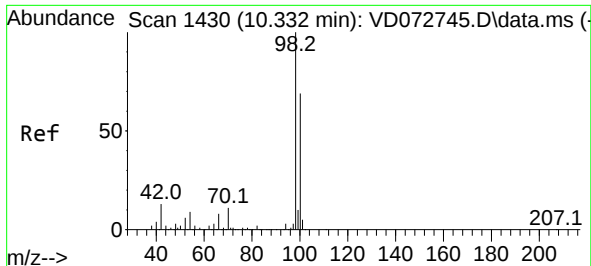
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

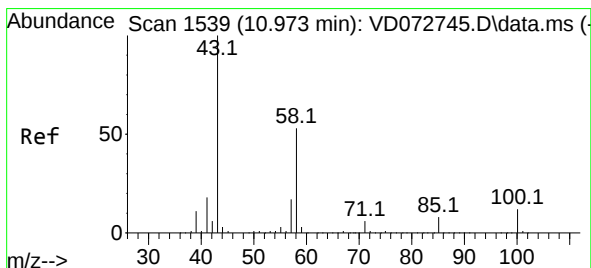
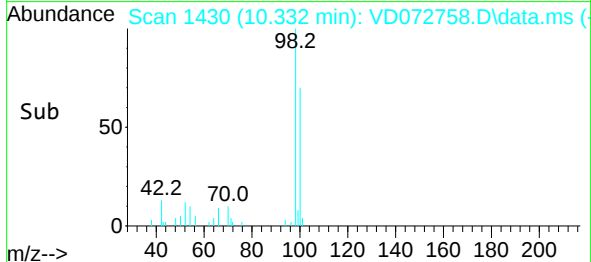
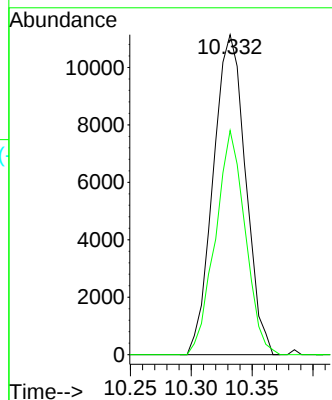
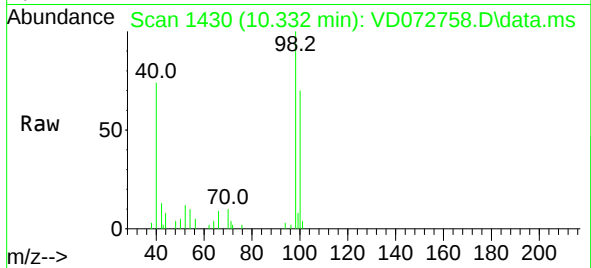




#50
Toluene-d8
Concen: 46.751 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

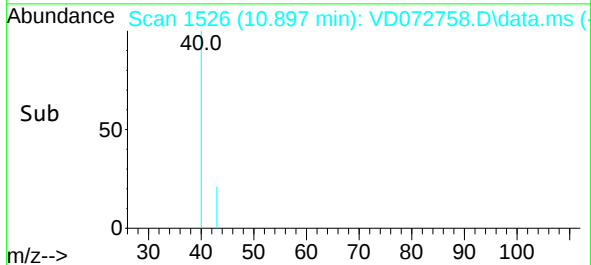
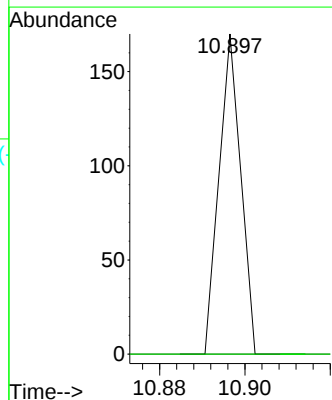
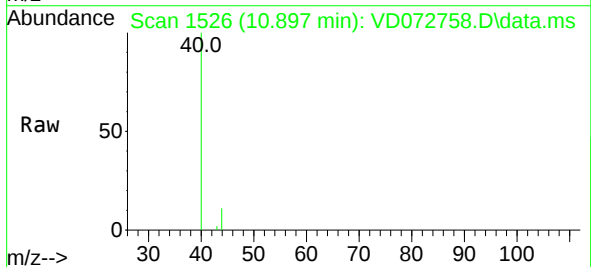
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

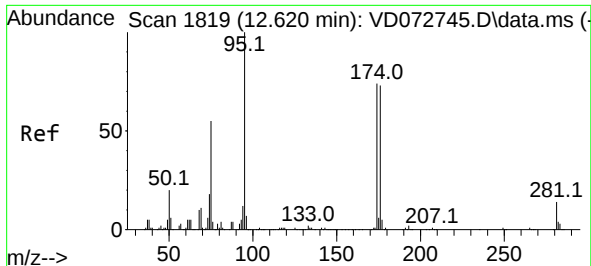
Tgt Ion: 98 Resp: 20551
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



#59
2-Hexanone
Concen: 1.015 ug/l
RT: 10.897 min Scan# 1526
Delta R.T. -0.077 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

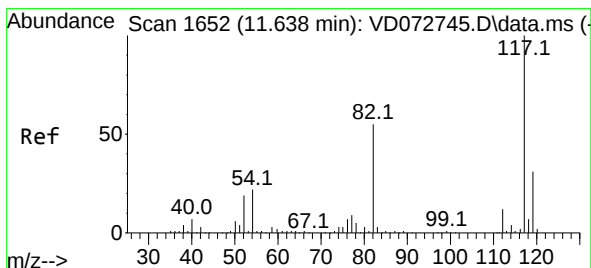
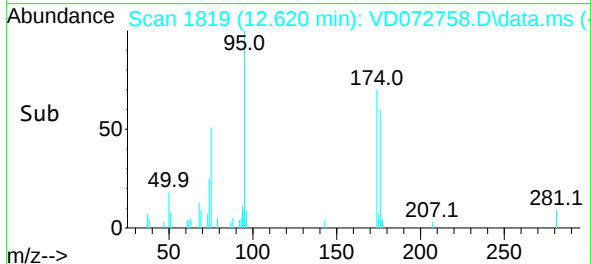
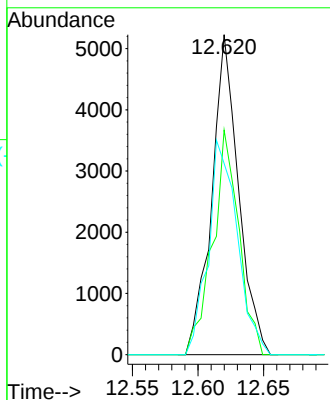
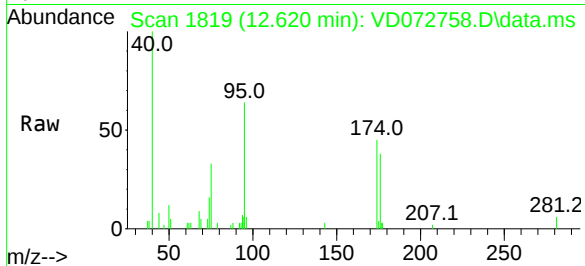




#62
4-Bromofluorobenzene
Concen: 45.421 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

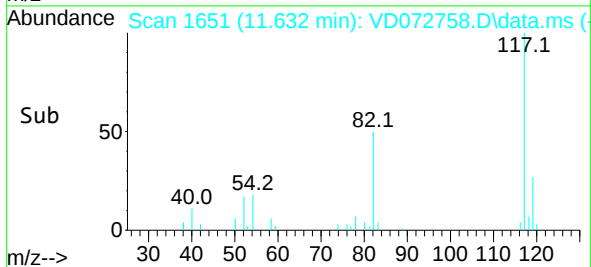
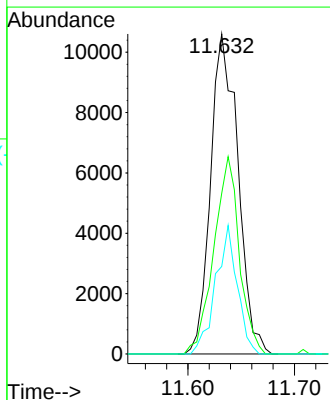
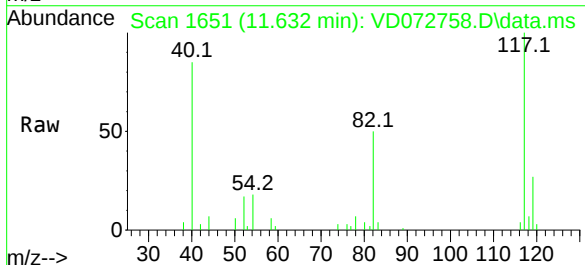
Instrument :
MSVOA_D
ClientSampleId :
NB-07-042822

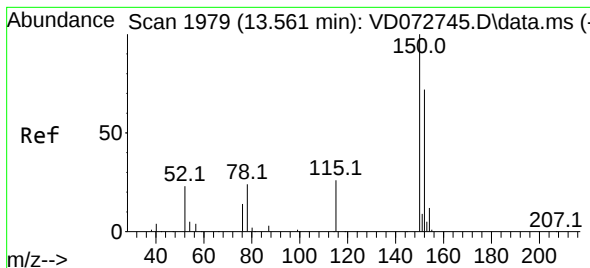
Tgt Ion:	95	Resp:	7445
Ion Ratio	Lower	Upper	
95	100		
174	68.4	0.0	152.8
176	72.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072758.D
Acq: 02 May 2022 20:58

Tgt Ion:	117	Resp:	18898
Ion Ratio	Lower	Upper	
117	100		
82	50.2	45.3	67.9
119	27.4	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: VD072758.D

Acq: 02 May 2022 20:58

Instrument :

MSVOA_D

ClientSampleId :

NB-07-042822

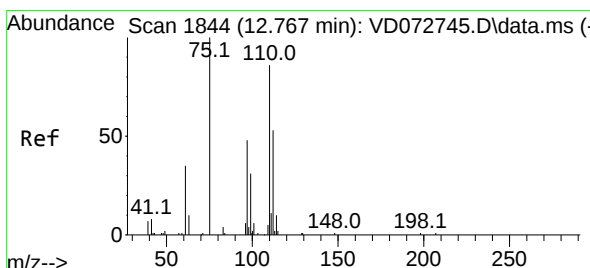
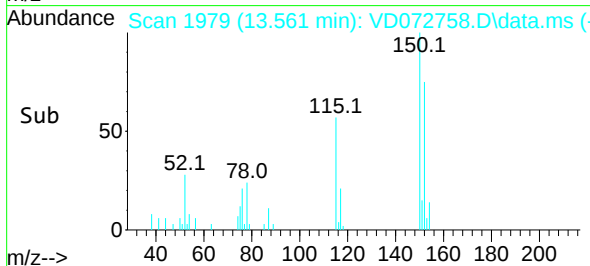
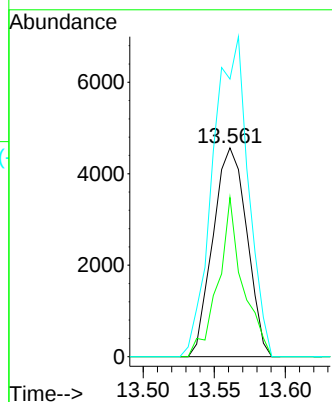
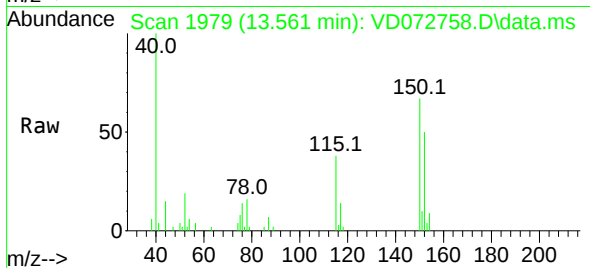
Tgt Ion:152 Resp: 7588

Ion Ratio Lower Upper

152 100

115 55.1 31.3 93.8

150 159.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.367 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072758.D

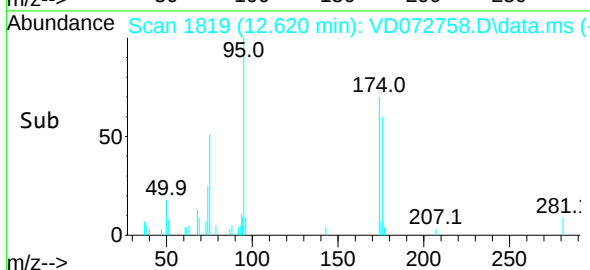
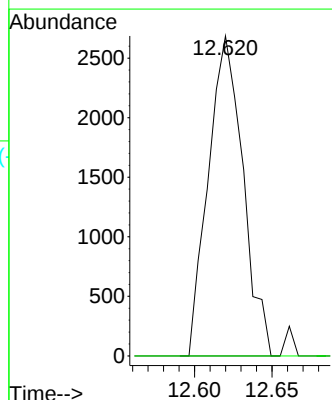
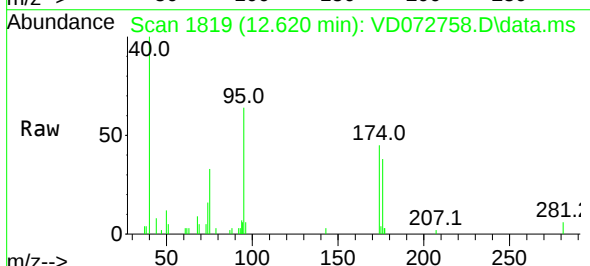
Acq: 02 May 2022 20:58

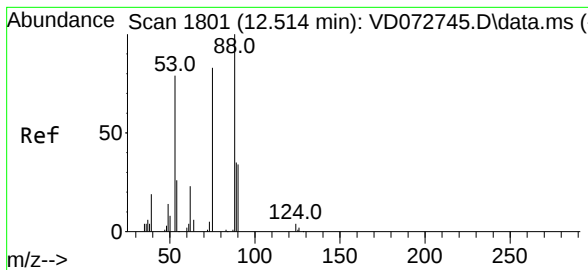
Tgt Ion: 75 Resp: 4177

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.524 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072758.D
 Acq: 02 May 2022 20:58

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-042822

Tgt Ion: 75 Resp: 4177
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

