

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073323.D
 Acq On : 24 May 2022 14:25
 Operator : VA/SY
 Sample : N2979-01
 Misc : 4.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-7-052022

Quant Time: May 24 16:46:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

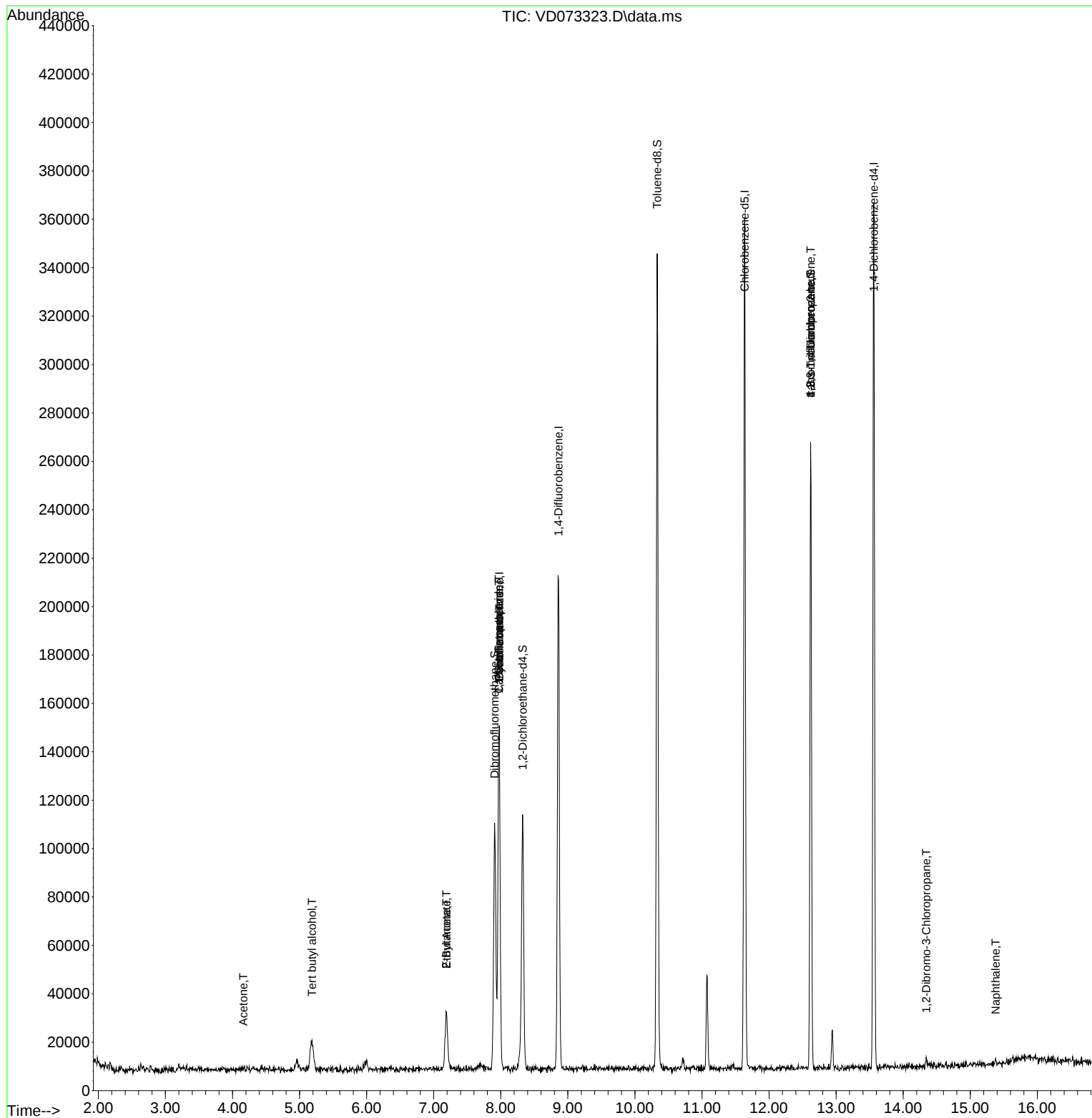
Internal Standards						
1) Pentafluorobenzene	7.979	168	104177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	178977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	202980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	97082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	82832	71.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.900%	
35) Dibromofluoromethane	7.908	113	72171	61.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.220%	
50) Toluene-d8	10.332	98	223123	51.252	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.500%	
62) 4-Bromofluorobenzene	12.620	95	88536	57.949	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1281	Below Cal	#	60
11) Tert butyl alcohol	5.185	59	11202	62.712	ug/l #	76
16) Acetone	4.162	43	1744	8.745	ug/l	92
20) Methylene Chloride	4.956	84	2503	Below Cal	#	58
25) 2-Butanone	7.191	43	1122	3.846	ug/l #	52
31) Cyclohexane	7.979	56	2937	1.460	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	8721	4.910	ug/l #	52
37) Ethyl Acetate	7.191	43	1122	1.599	ug/l #	1
38) Carbon Tetrachloride	7.973	117	11120	6.176	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	43965	46.155	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	43965	110.805	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.343	75	313	1.601	ug/l #	6
95) Naphthalene	15.379	128	1841	4.080	ug/l #	79

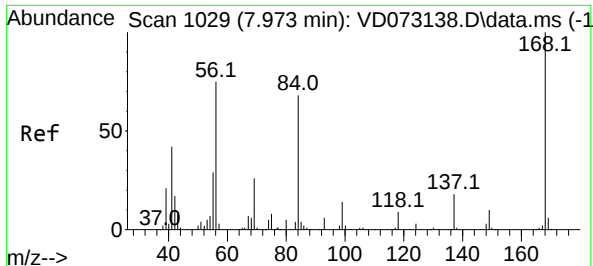
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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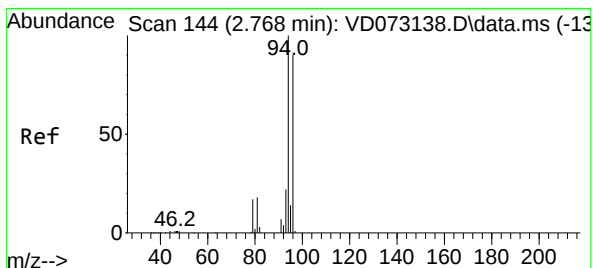
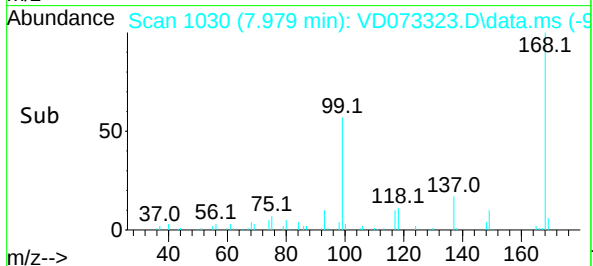
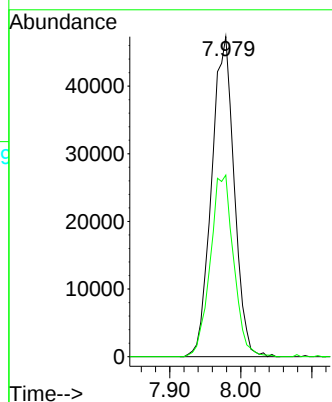
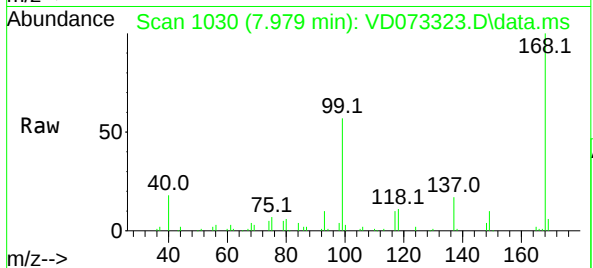




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

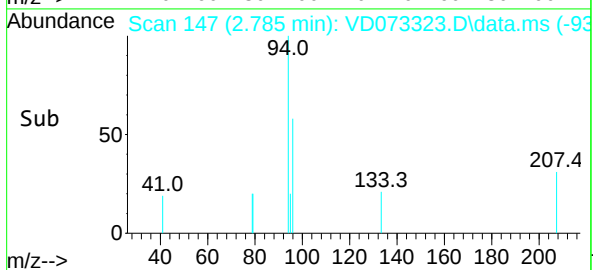
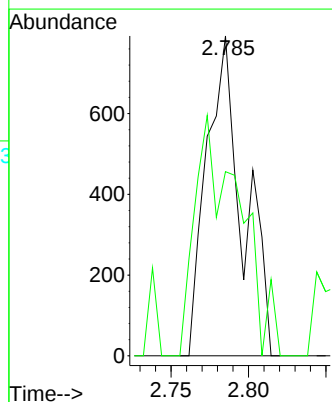
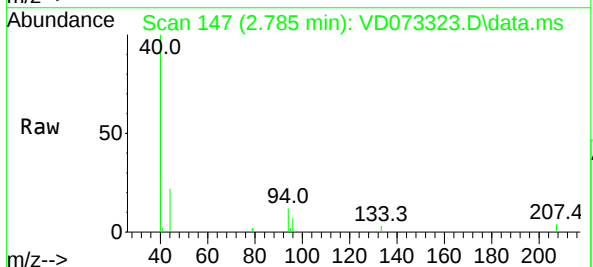
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

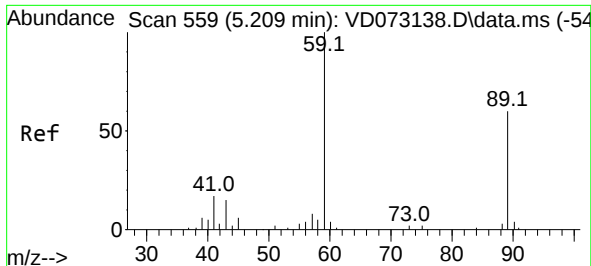
Tgt Ion:168 Resp: 104177
Ion Ratio Lower Upper
168 100
99 56.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Tgt Ion: 94 Resp: 1281
Ion Ratio Lower Upper
94 100
96 57.6 77.6 116.4#

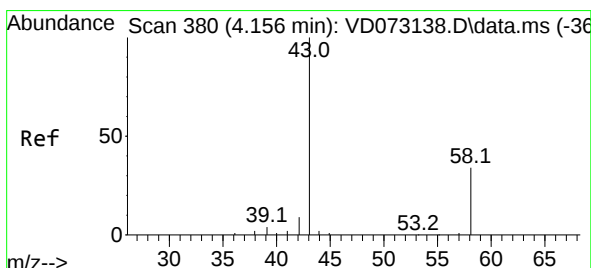
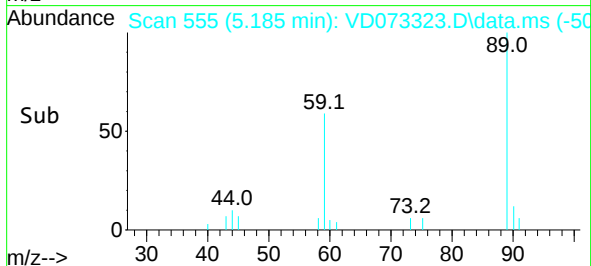
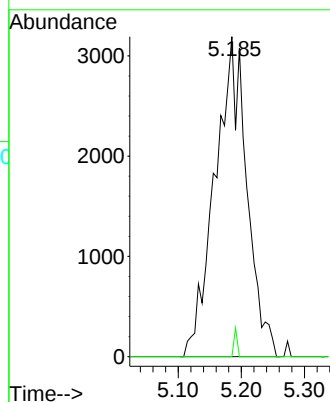
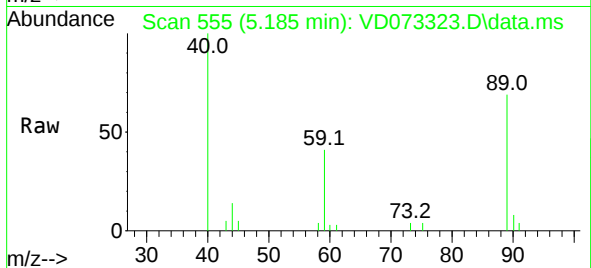




#11
Tert butyl alcohol
Concen: 62.712 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

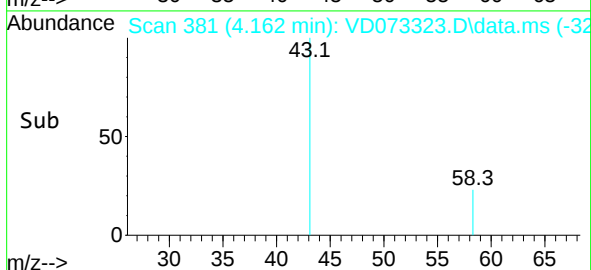
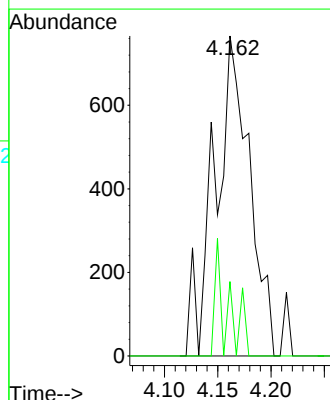
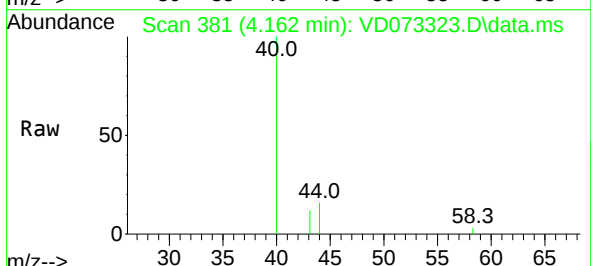
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

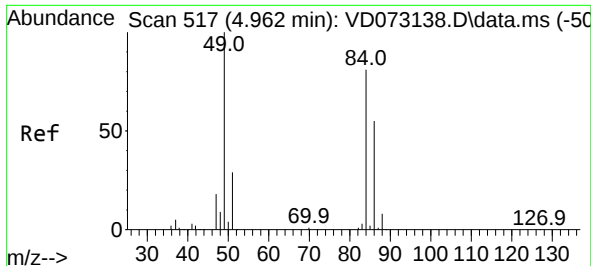
Tgt Ion: 59 Resp: 11202
Ion Ratio Lower Upper
59 100
57 0.9 7.8 11.6#



#16
Acetone
Concen: 8.745 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 23.2 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD073323.D

Acq: 24 May 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

Tgt Ion: 84 Resp: 2503

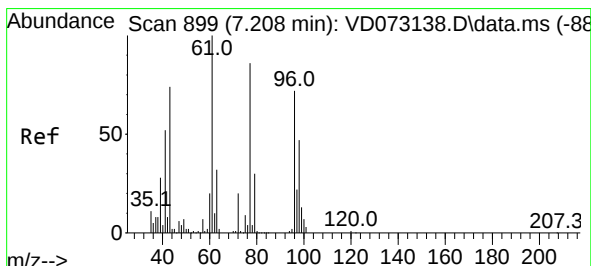
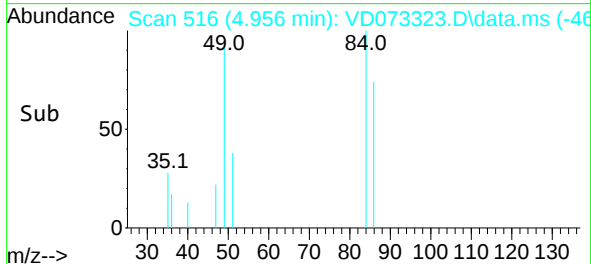
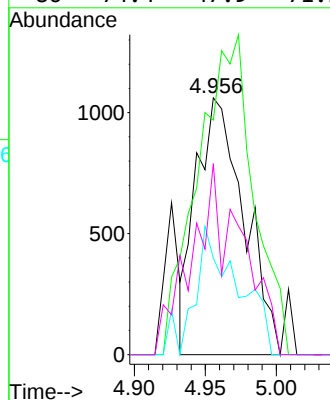
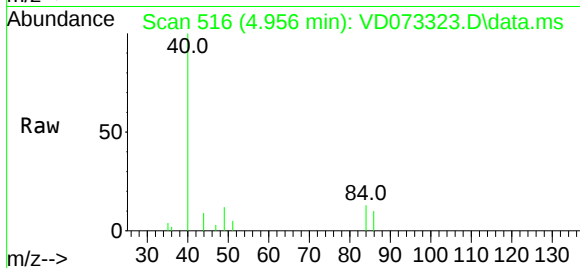
Ion Ratio Lower Upper

84 100

49 65.5 112.8 169.2#

51 37.6 32.6 48.8

86 74.4 47.9 71.9#



#25

2-Butanone

Concen: 3.846 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.017 min

Lab File: VD073323.D

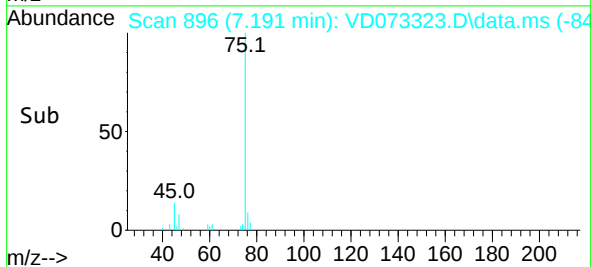
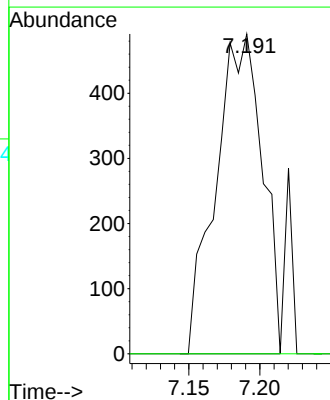
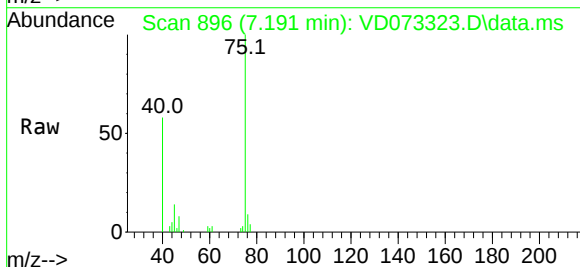
Acq: 24 May 2022 14:25

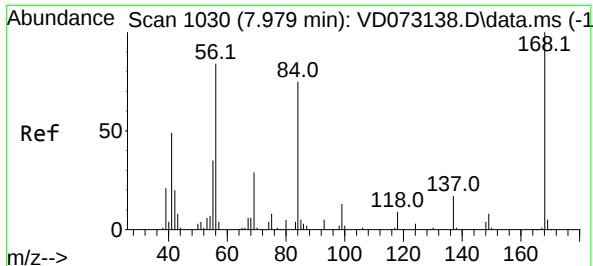
Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.460 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD073323.D

Acq: 24 May 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

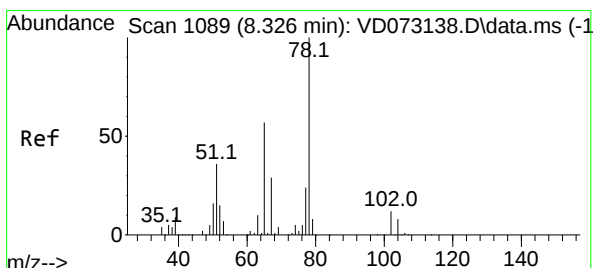
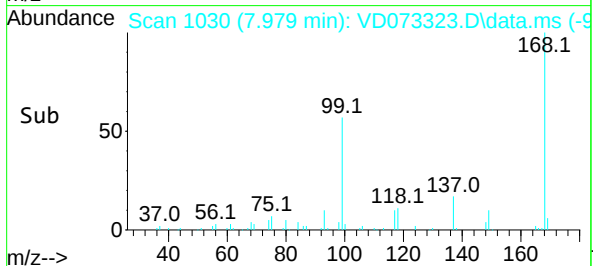
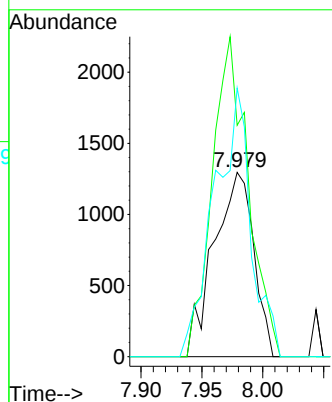
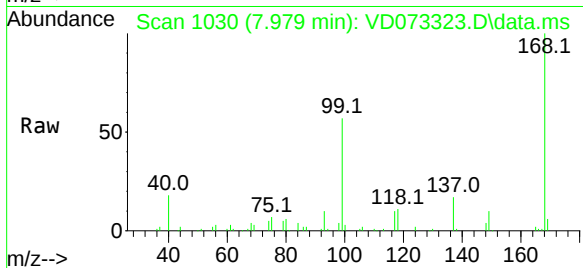
Tgt Ion: 56 Resp: 2937

Ion Ratio Lower Upper

56 100

69 125.5 25.4 38.2#

84 145.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 71.946 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073323.D

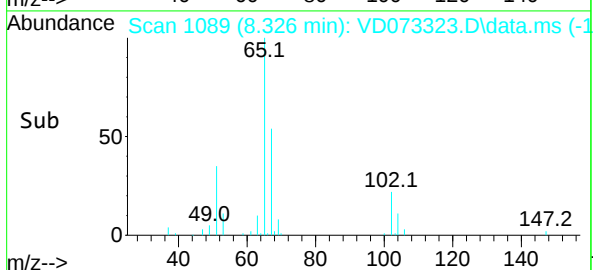
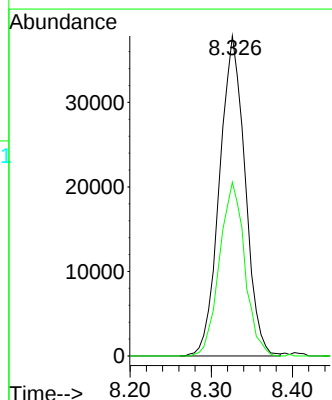
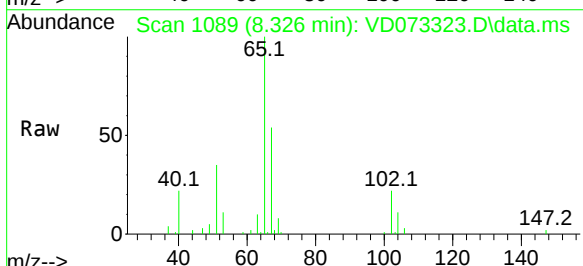
Acq: 24 May 2022 14:25

Tgt Ion: 65 Resp: 82832

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073323.D

Acq: 24 May 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

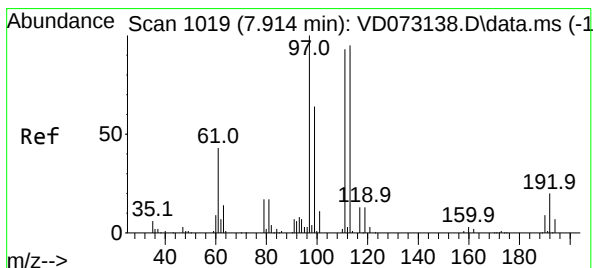
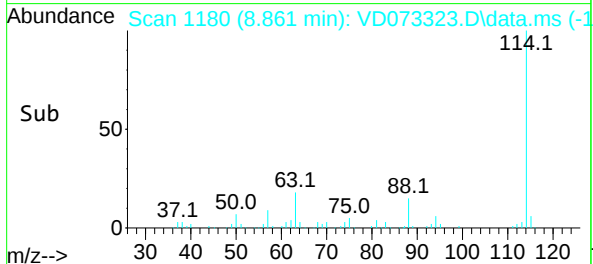
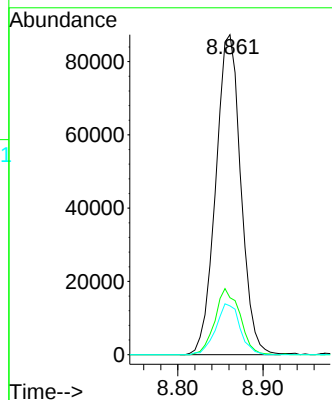
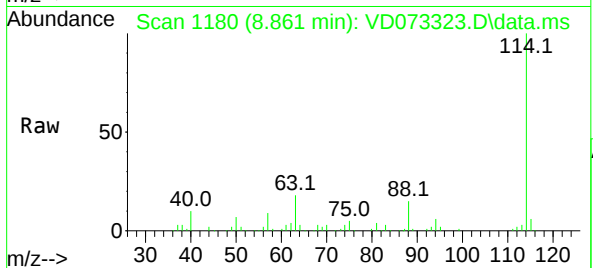
Tgt Ion:114 Resp: 178977

Ion Ratio Lower Upper

114 100

63 17.8 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 61.110 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073323.D

Acq: 24 May 2022 14:25

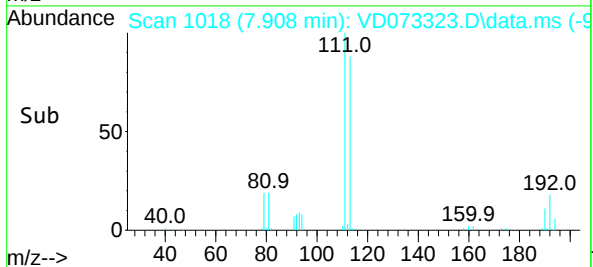
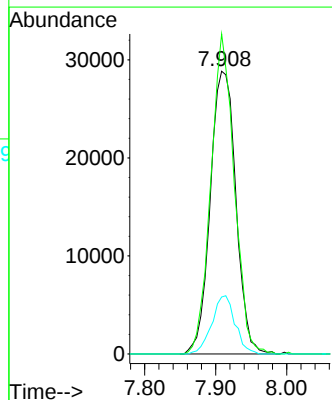
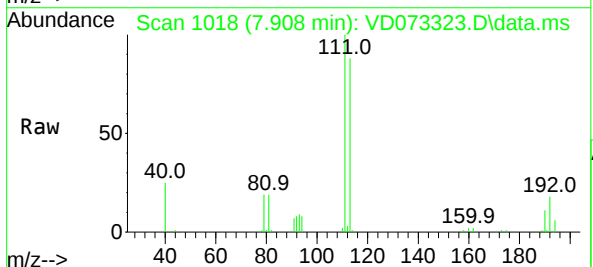
Tgt Ion:113 Resp: 72171

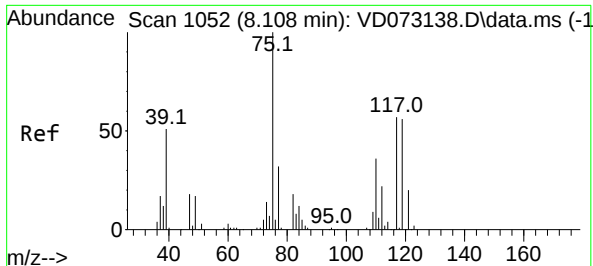
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 18.7 14.6 21.8

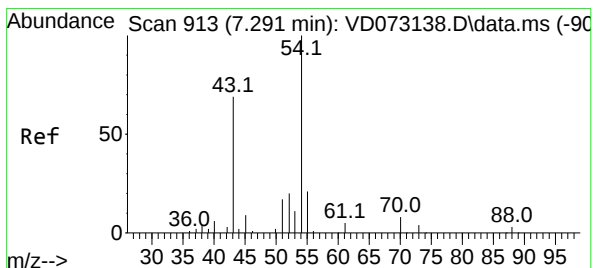
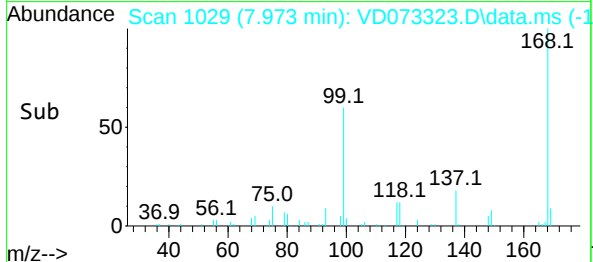
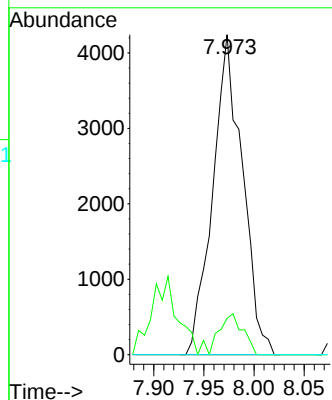
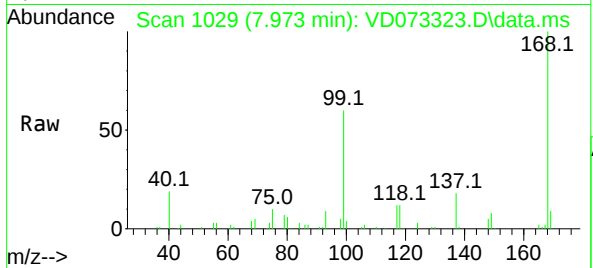




#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

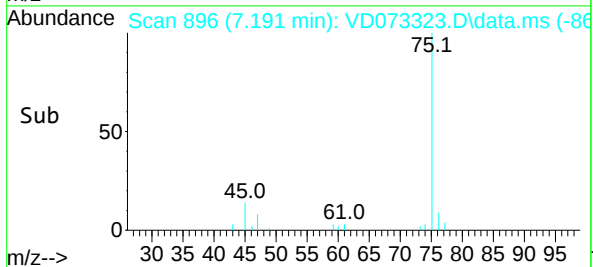
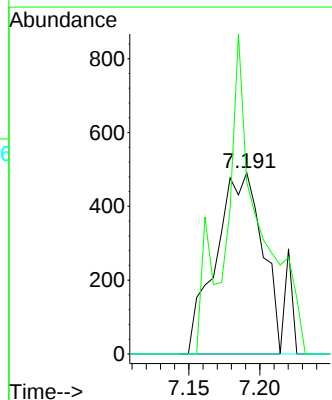
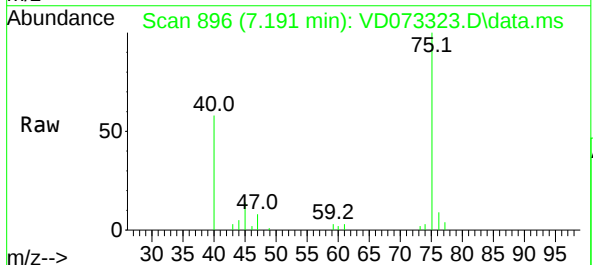
Instrument :
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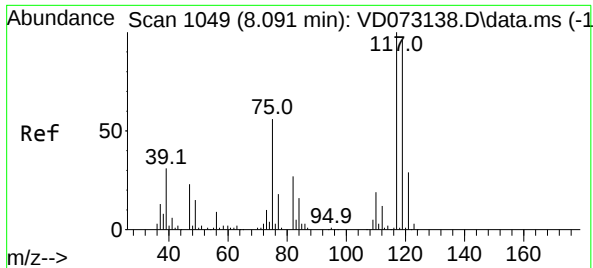
Tgt Ion: 75 Resp: 8721
Ion Ratio Lower Upper
75 100
110 10.0 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 1.599 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.100 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

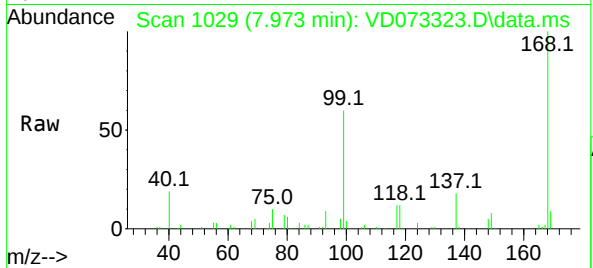
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
61 128.8 9.8 14.8#
70 0.0 6.9 10.3#



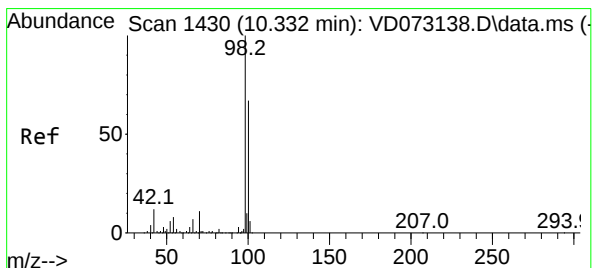
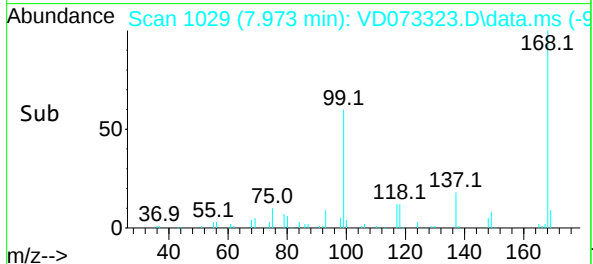
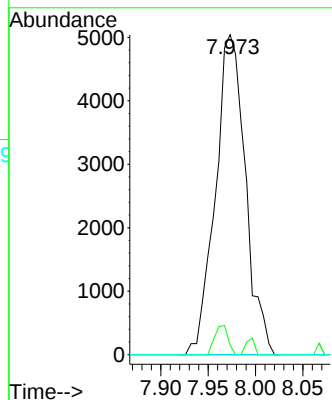


#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

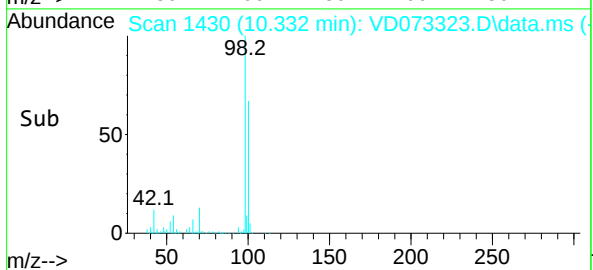
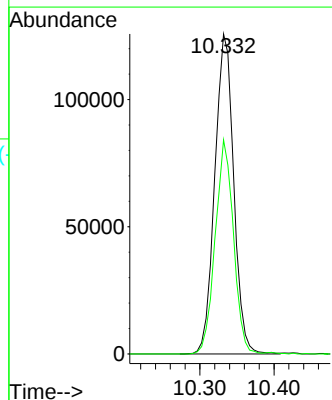
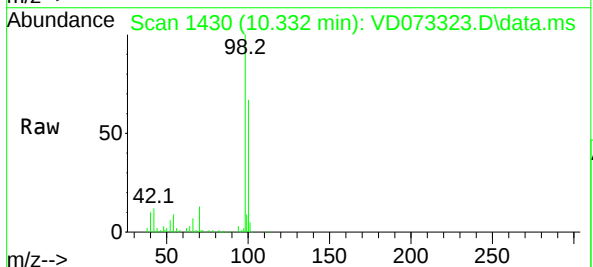


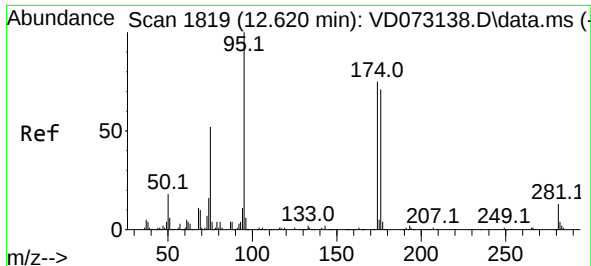
Tgt Ion:117 Resp: 11120
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.252 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Tgt Ion: 98 Resp: 223123
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6

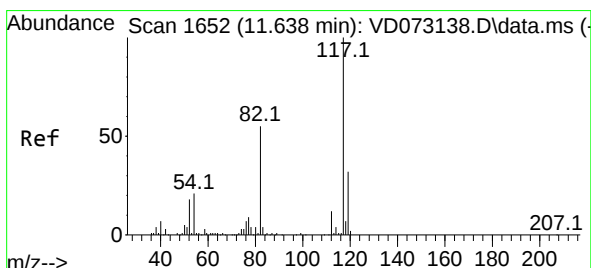
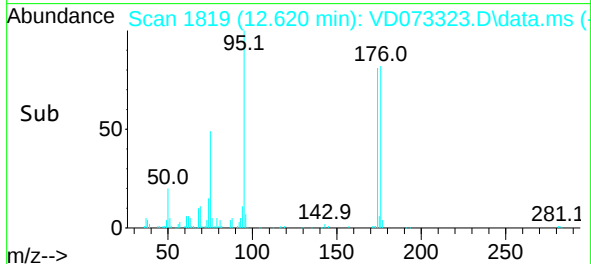
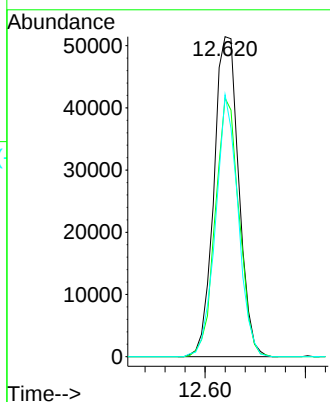
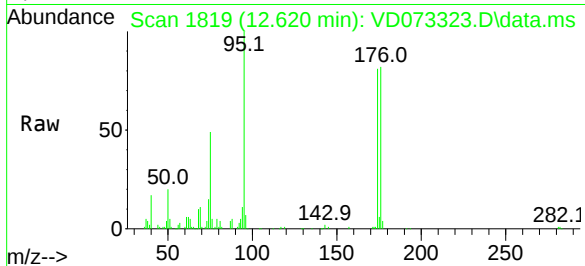




#62
4-Bromofluorobenzene
Concen: 57.949 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

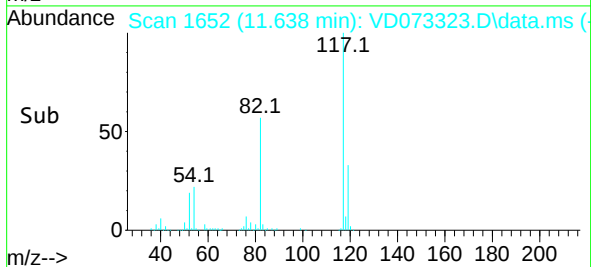
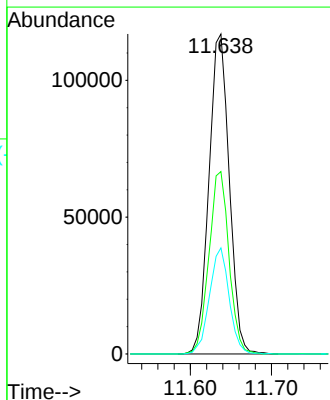
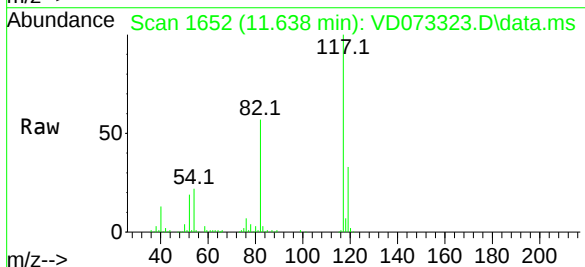
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

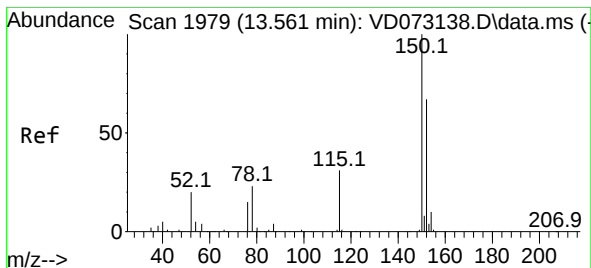
Tgt Ion:	95	Resp:	88536
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	152.8
176	73.9	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Tgt Ion:	117	Resp:	202980
Ion Ratio	Lower	Upper	
117	100		
82	57.0	45.3	67.9
119	33.2	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: VD073323.D

Acq: 24 May 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

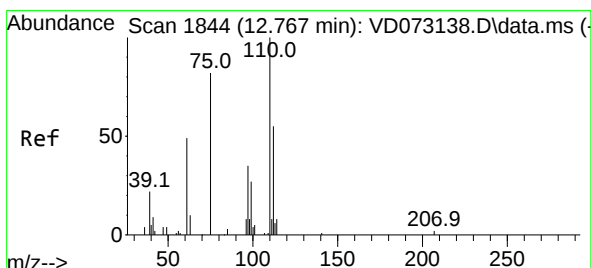
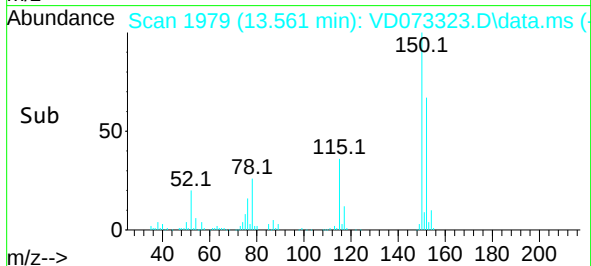
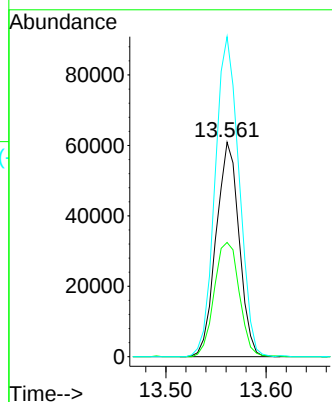
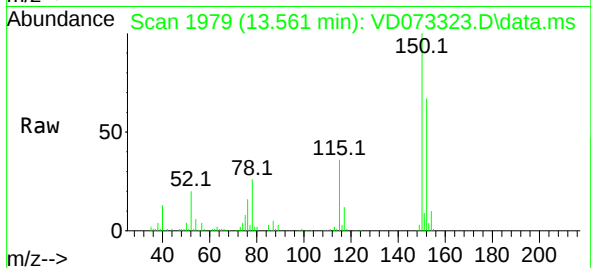
Tgt Ion:152 Resp: 97082

Ion Ratio Lower Upper

152 100

115 58.2 31.3 93.8

150 155.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 46.155 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073323.D

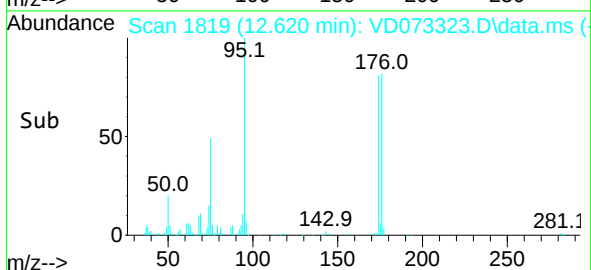
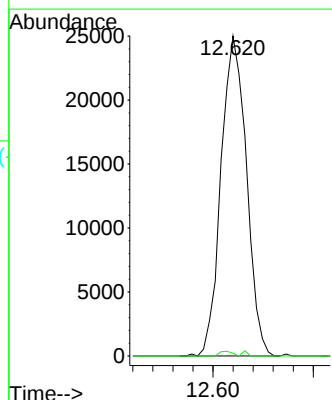
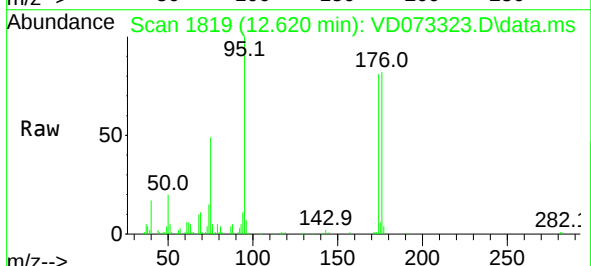
Acq: 24 May 2022 14:25

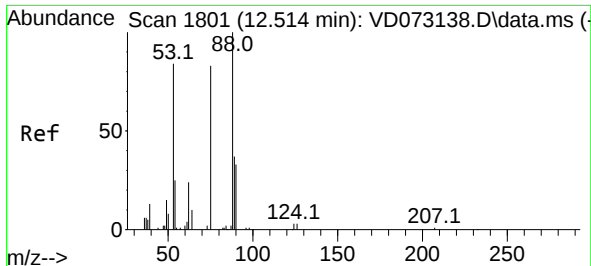
Tgt Ion: 75 Resp: 43965

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#

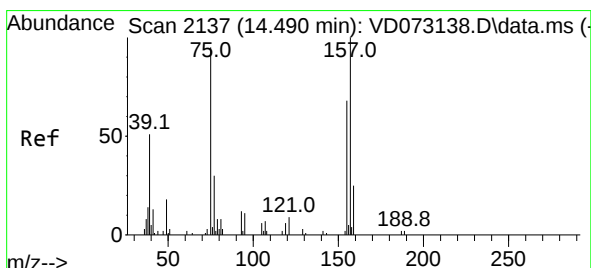
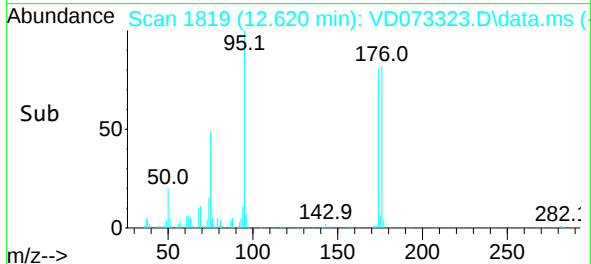
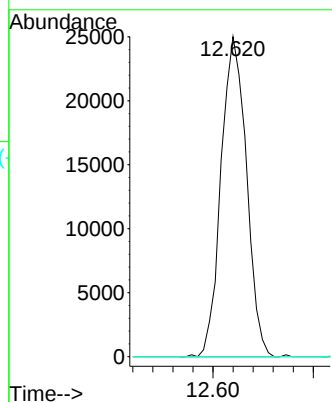
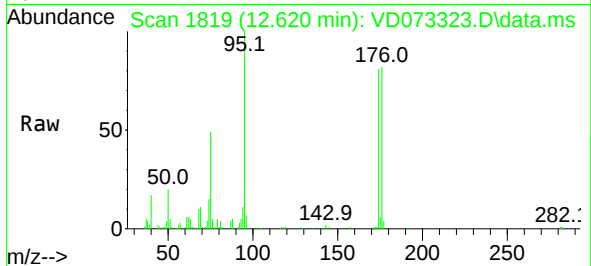




#81
trans-1,4-Dichloro-2-butene
Concen: 110.805 ug/l
RT: 12.620 min Scan# 1111
Delta R.T. 0.106 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

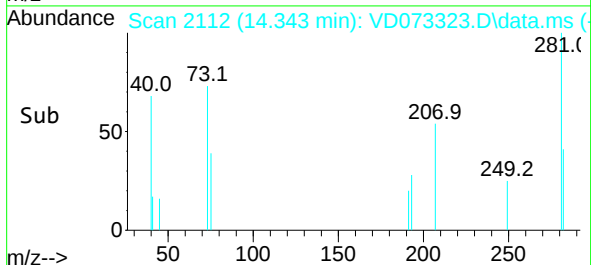
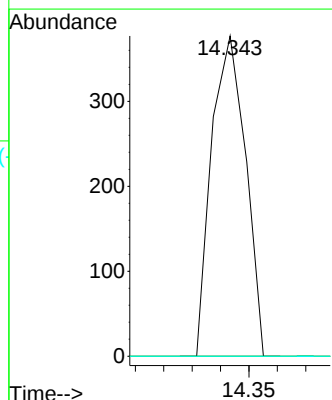
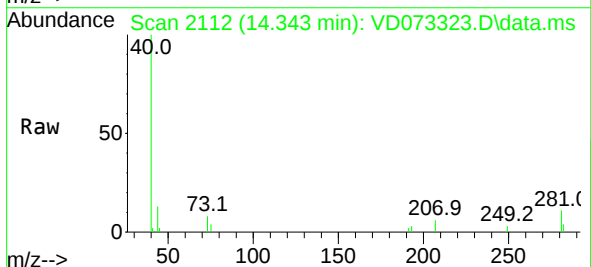
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

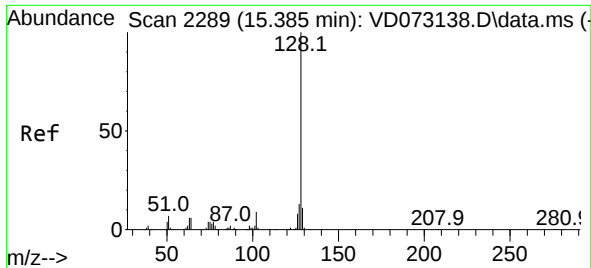
Tgt Ion: 75 Resp: 43965
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.601 ug/l
RT: 14.343 min Scan# 2112
Delta R.T. -0.147 min
Lab File: VD073323.D
Acq: 24 May 2022 14:25

Tgt Ion: 75 Resp: 313
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95

Naphthalene

Concen: 4.080 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073323.D

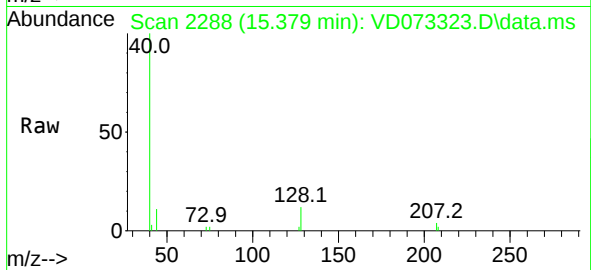
Acq: 24 May 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022



Tgt Ion:128 Resp: 1841

Ion Ratio Lower Upper

128 100

127 7.1 10.3 15.5#

129 0.0 8.4 12.6#

