

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073288.D
 Acq On : 23 May 2022 17:43
 Operator : VA/SY
 Sample : N2979-01
 Misc : 4.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-7-052022

Quant Time: May 24 03:28:05 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)

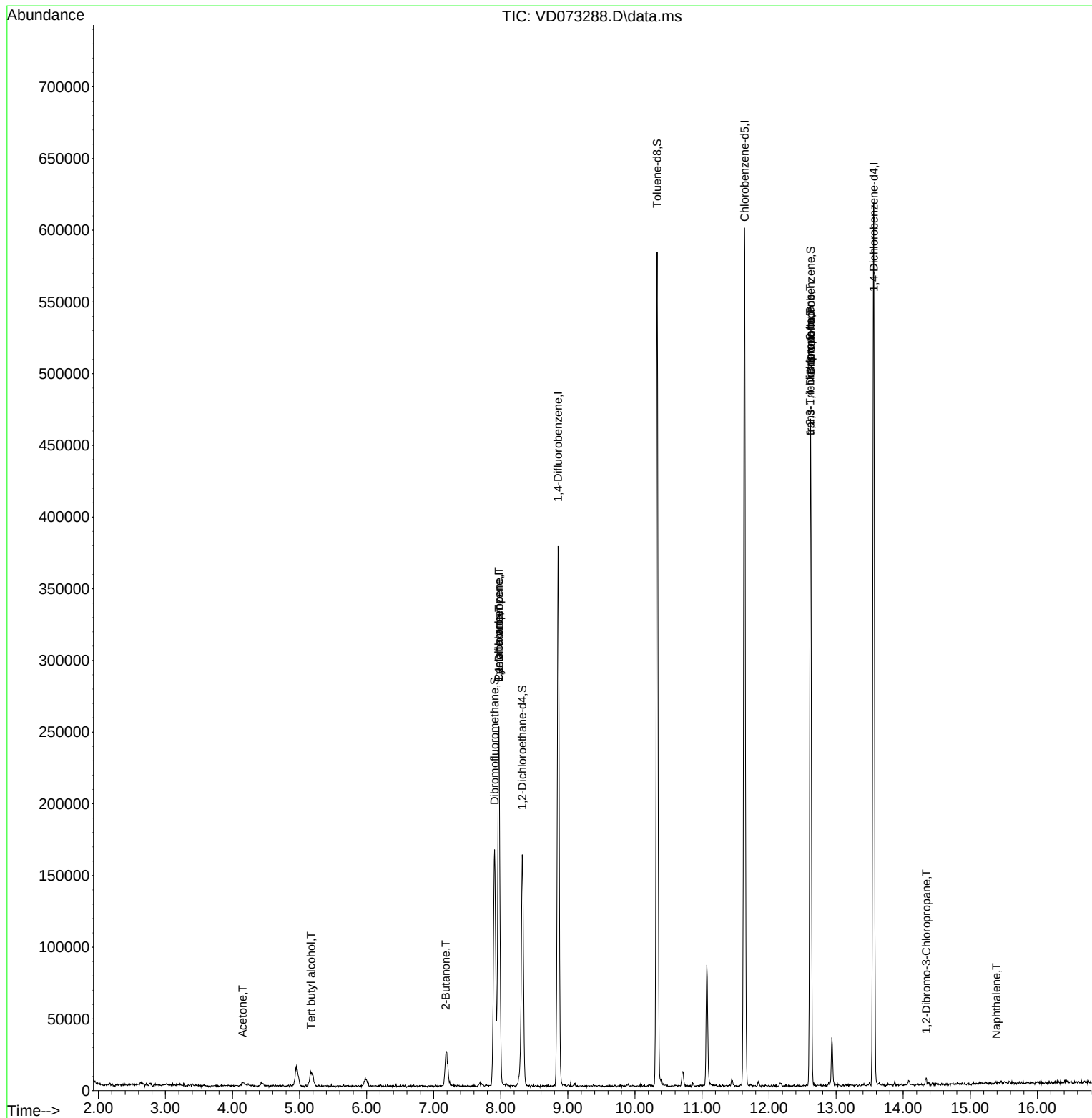
Internal Standards						
1) Pentafluorobenzene	7.973	168	178900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	315854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	353687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	166461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	123923	62.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.360%			
35) Dibromofluoromethane	7.908	113	120083	57.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.240%			
50) Toluene-d8	10.332	98	397422	51.728	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.620	95	155012	57.492	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.980%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	681	Below Cal	#	66
11) Tert butyl alcohol	5.173	59	10356	33.761	ug/l #	74
16) Acetone	4.150	43	4674	13.649	ug/l	96
20) Methylene Chloride	4.944	84	5061	Below Cal	#	79
25) 2-Butanone	7.179	43	774	1.545	ug/l #	40
31) Cyclohexane	7.973	56	4270	1.236	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	14801	4.722	ug/l #	51
71) Bromoform	12.620	173	1842	1.330	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	75821	46.423	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	75821	111.447	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.343	75	417	1.244	ug/l #	6
95) Naphthalene	15.390	128	772	3.673	ug/l #	70

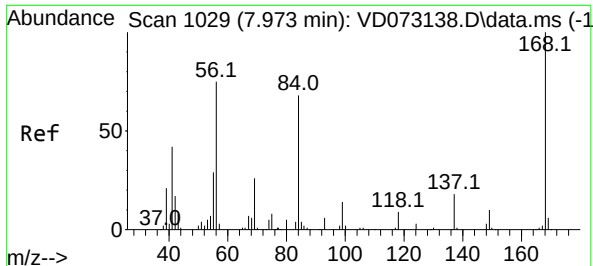
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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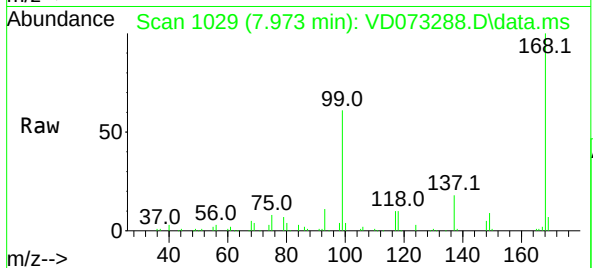
Quant Time: May 24 03:28:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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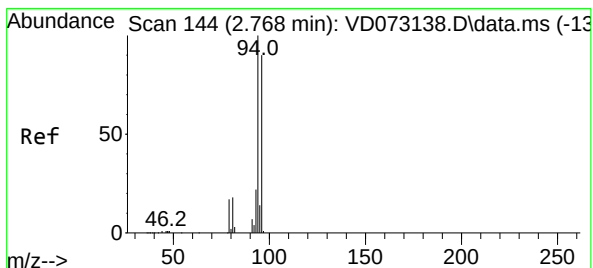
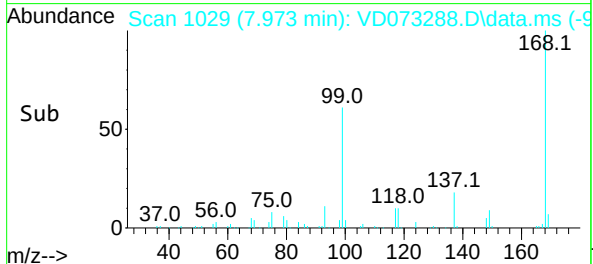
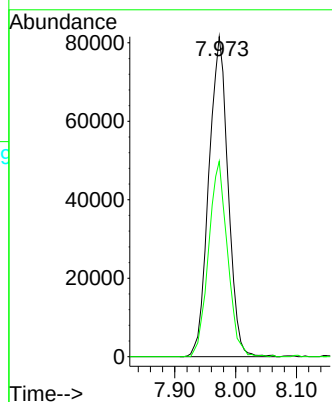


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

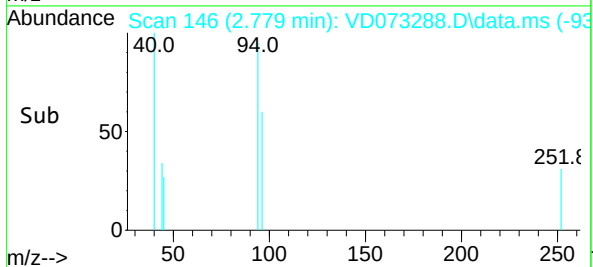
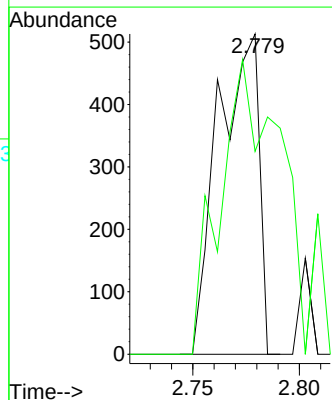
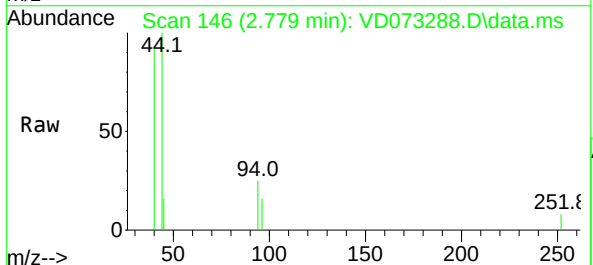


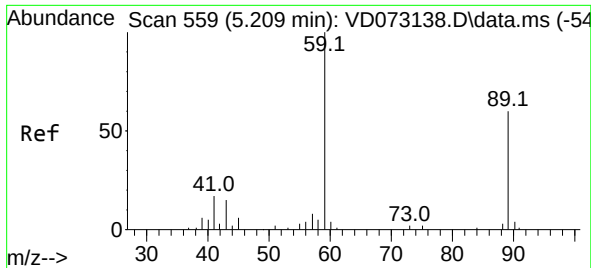
Tgt Ion:168 Resp: 178900
Ion Ratio Lower Upper
168 100
99 61.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Tgt Ion: 94 Resp: 681
Ion Ratio Lower Upper
94 100
96 63.4 77.6 116.4#

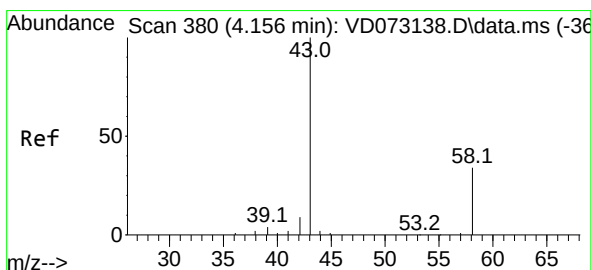
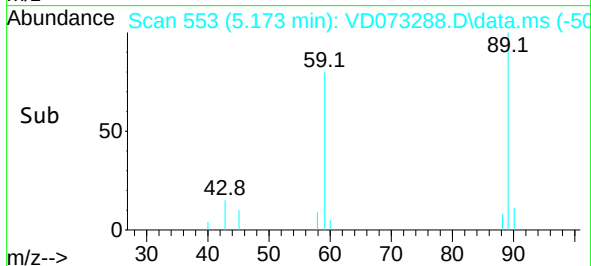
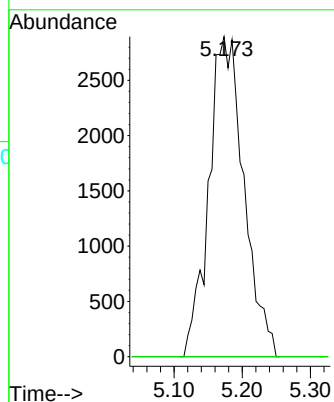
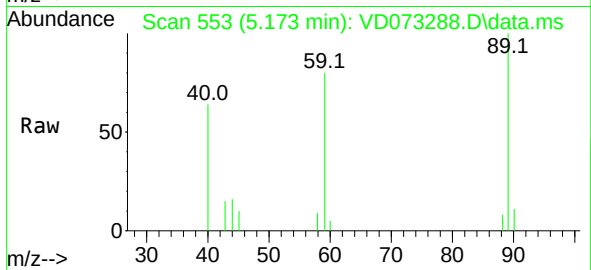




#11
Tert butyl alcohol
Concen: 33.761 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.036 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

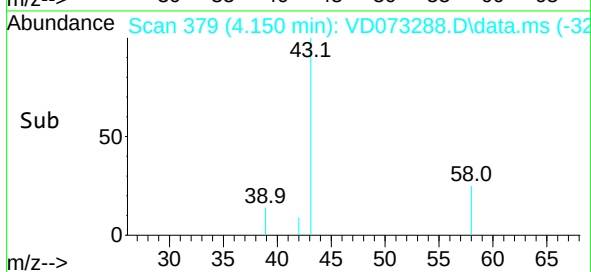
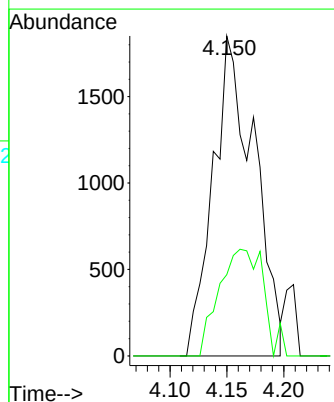
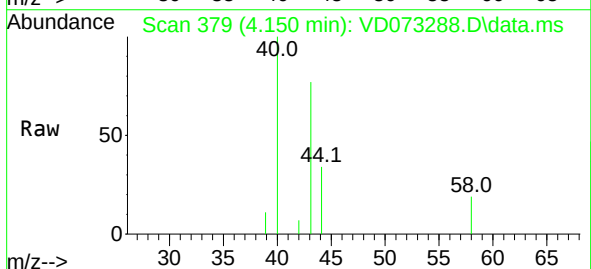
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

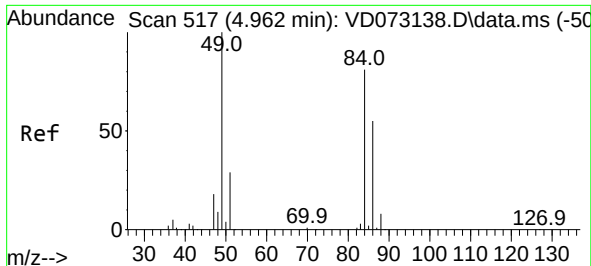
Tgt Ion: 59 Resp: 10356
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 13.649 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

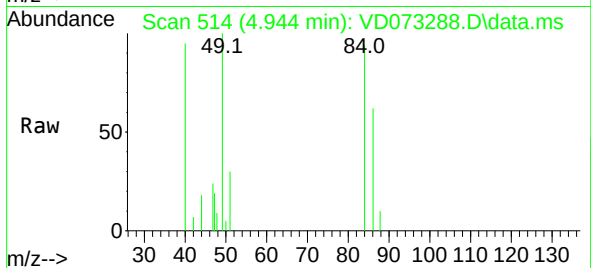
Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
58 25.4 22.1 33.1



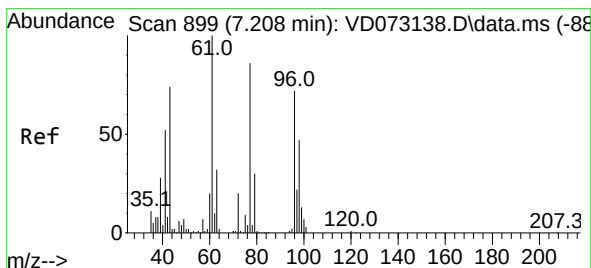
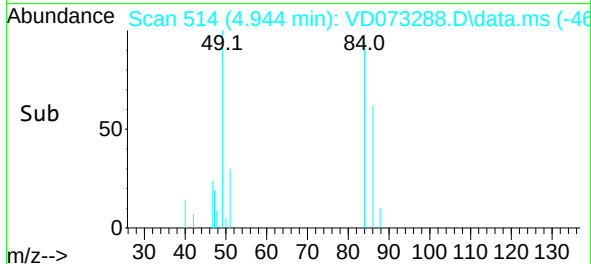
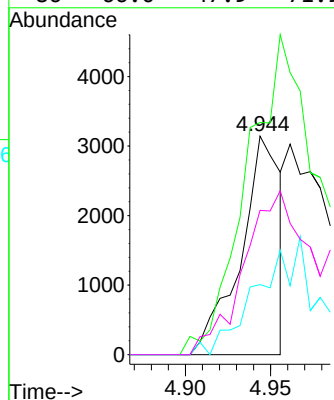


#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 517
Delta R.T. -0.018 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

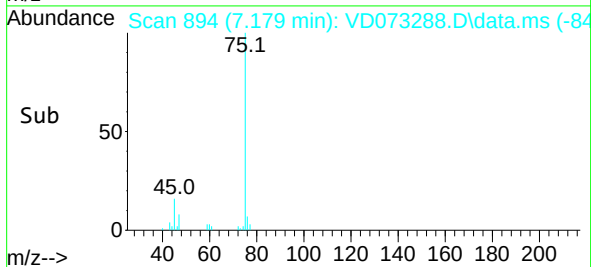
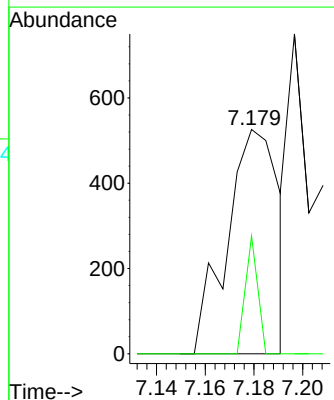
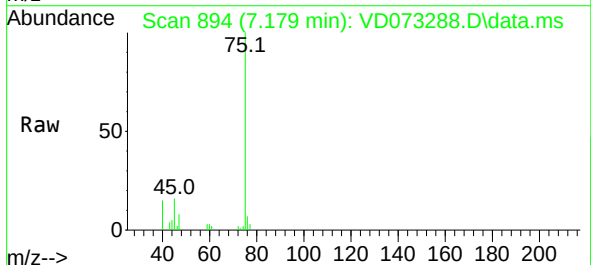


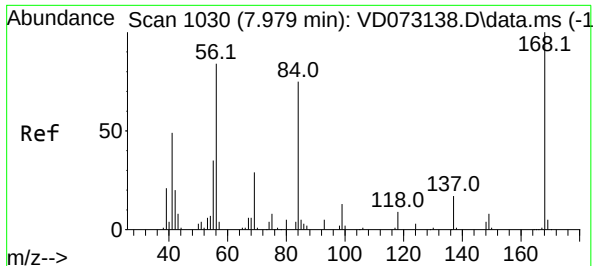
Tgt Ion: 84 Resp: 5061
Ion Ratio Lower Upper
84 100
49 106.2 112.8 169.2#
51 32.1 32.6 48.8#
86 66.0 47.9 71.9



#25
2-Butanone
Concen: 1.545 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
72 52.5 18.6 27.8#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073288.D

Acq: 23 May 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

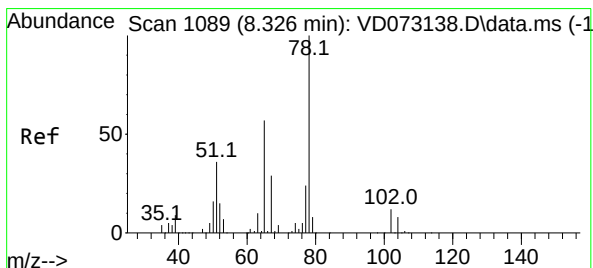
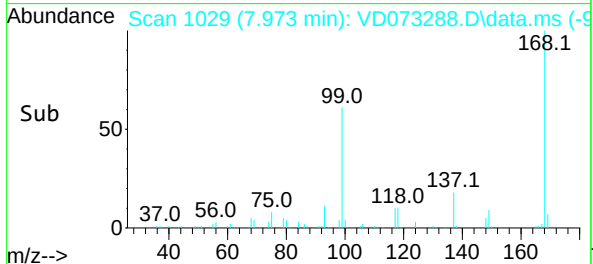
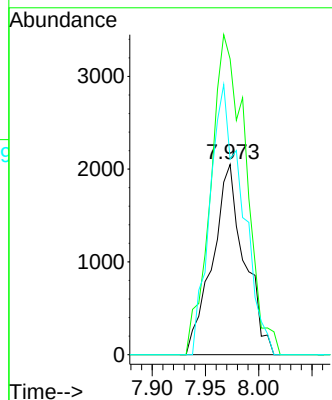
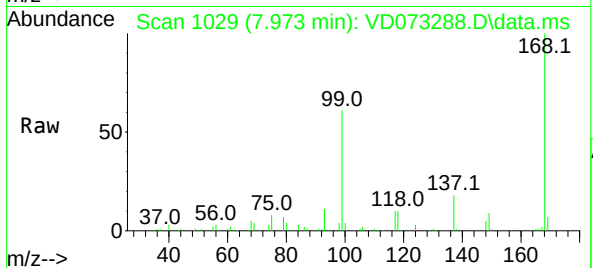
Tgt Ion: 56 Resp: 4270

Ion Ratio Lower Upper

56 100

69 155.4 25.4 38.2#

84 102.7 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 62.679 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073288.D

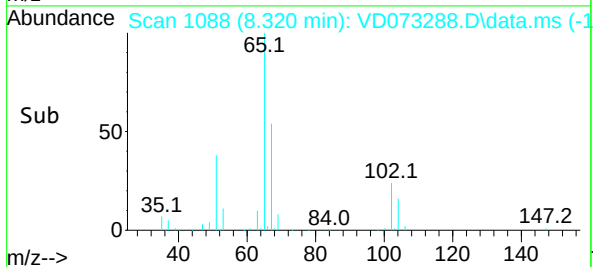
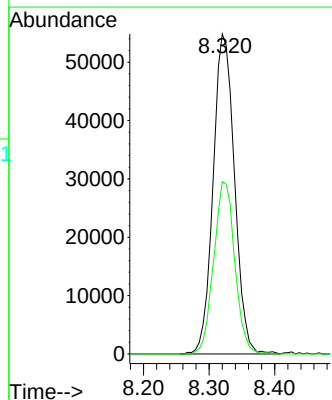
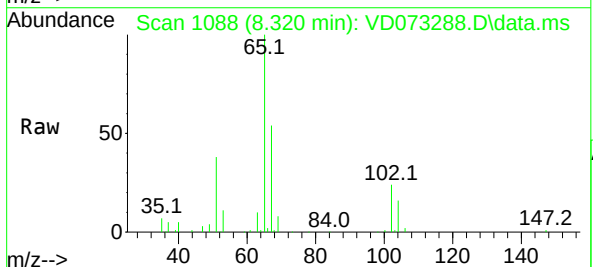
Acq: 23 May 2022 17:43

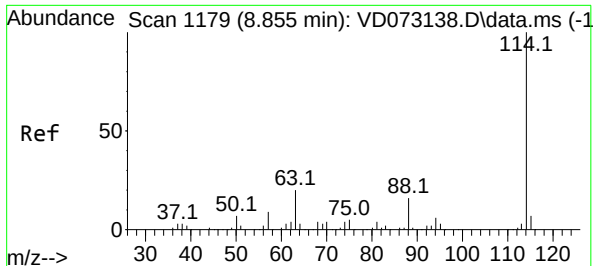
Tgt Ion: 65 Resp: 123923

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073288.D

Acq: 23 May 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

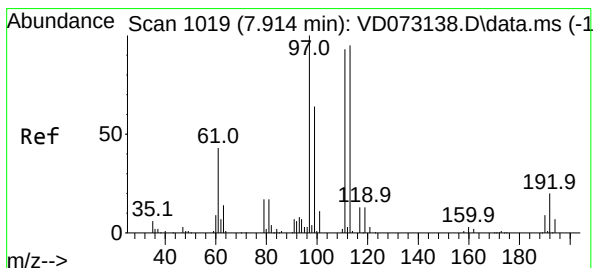
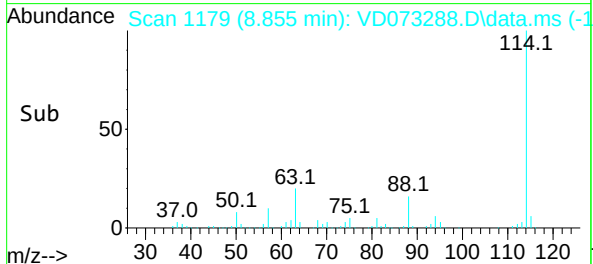
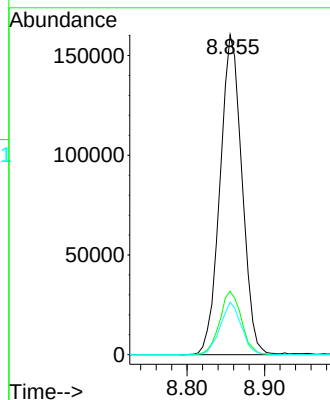
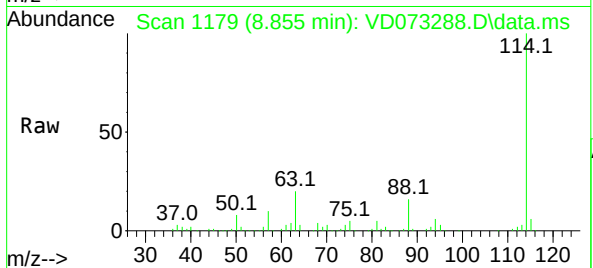
Tgt Ion:114 Resp: 315854

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 57.615 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073288.D

Acq: 23 May 2022 17:43

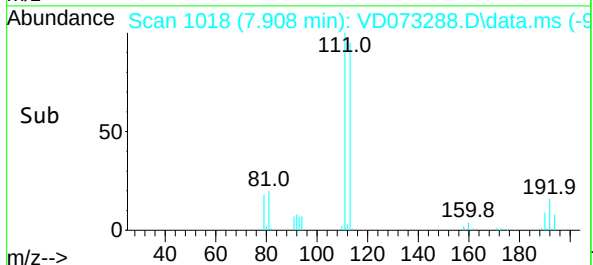
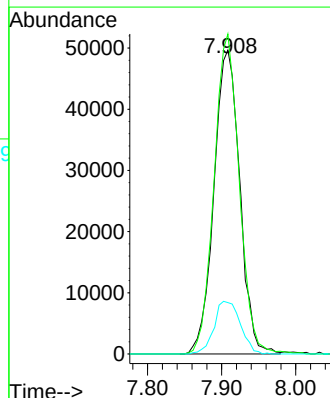
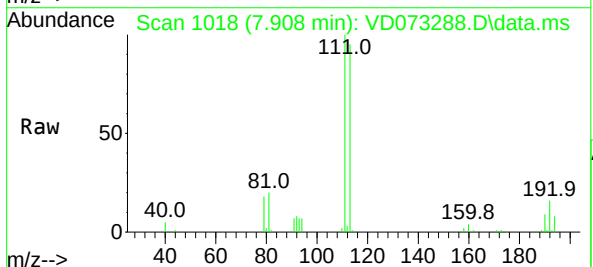
Tgt Ion:113 Resp: 120083

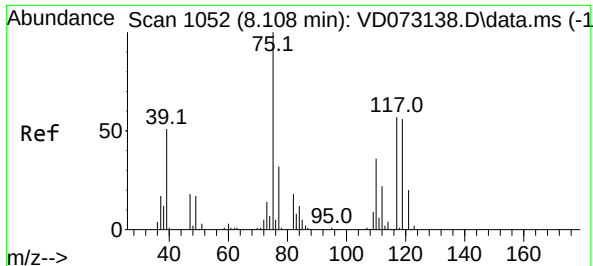
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073288.D

Acq: 23 May 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

NB-7-052022

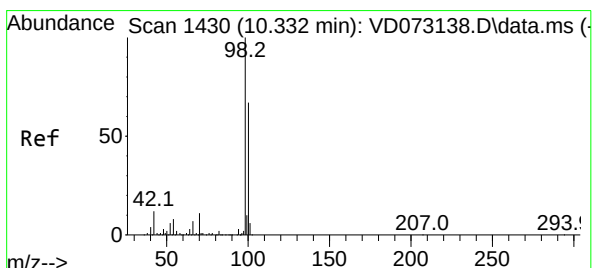
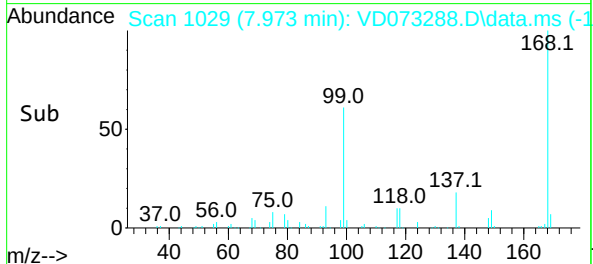
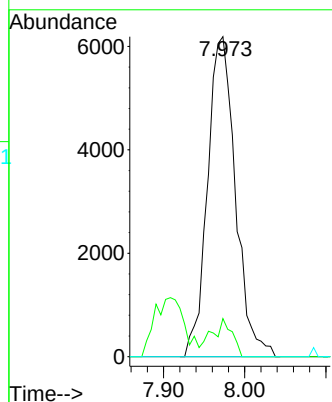
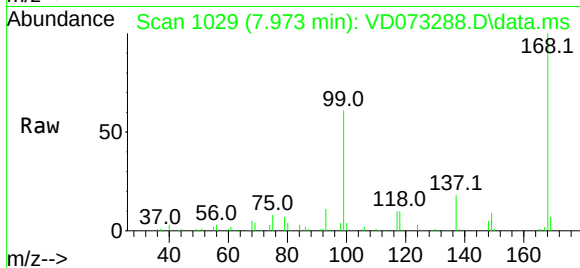
Tgt Ion: 75 Resp: 14801

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 51.728 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073288.D

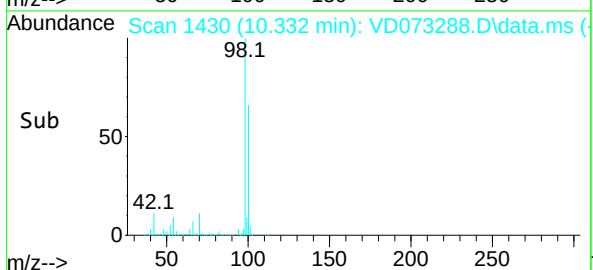
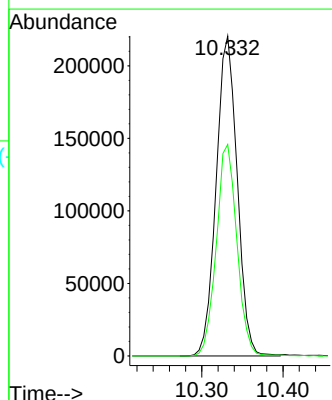
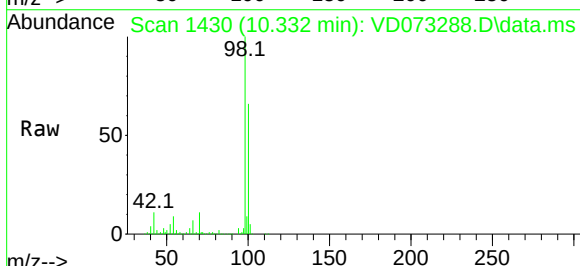
Acq: 23 May 2022 17:43

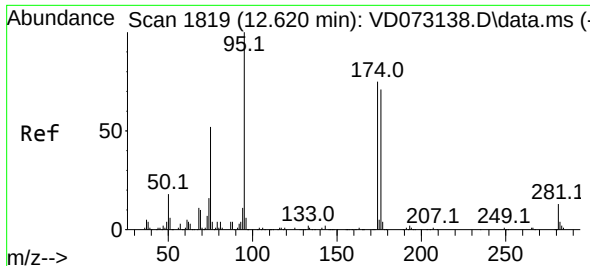
Tgt Ion: 98 Resp: 397422

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6

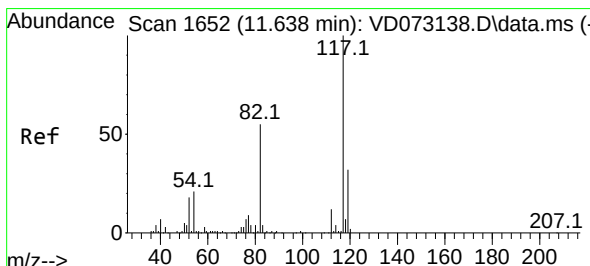
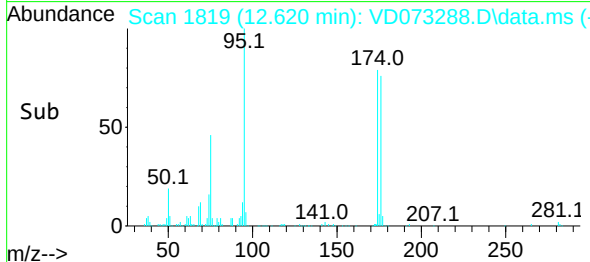
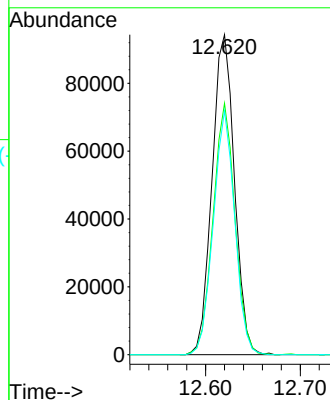
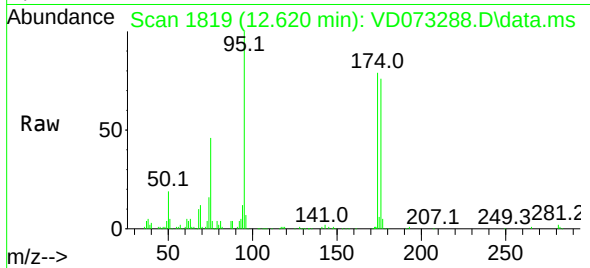




#62
4-Bromofluorobenzene
Concen: 57.492 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

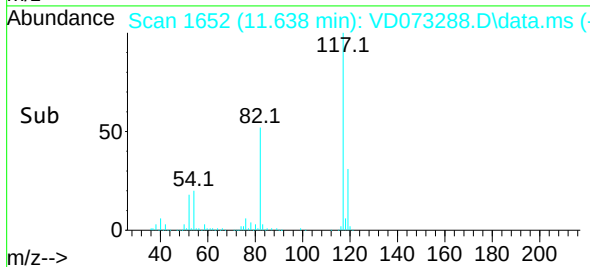
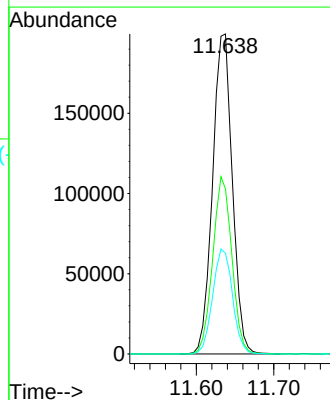
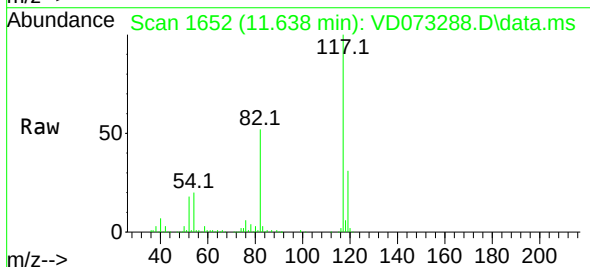
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

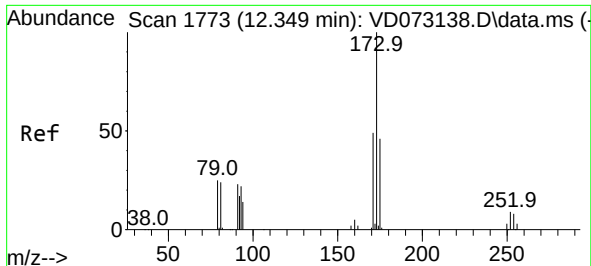
Tgt Ion: 95 Resp: 155012
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Tgt Ion: 117 Resp: 353687
Ion Ratio Lower Upper
117 100
82 51.6 45.3 67.9
119 31.4 26.6 40.0

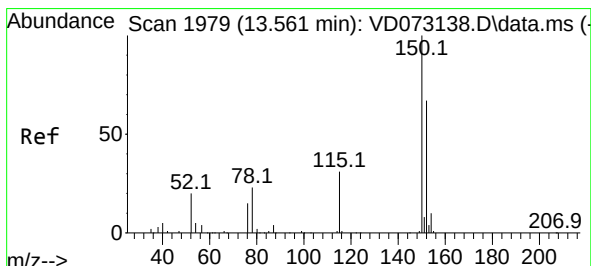
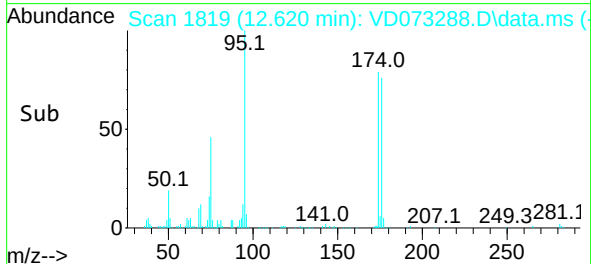
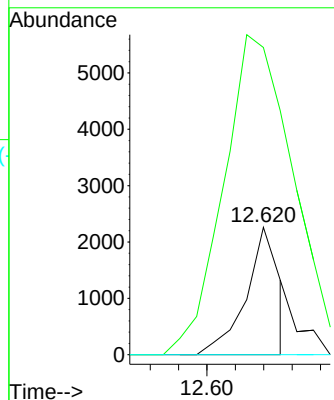
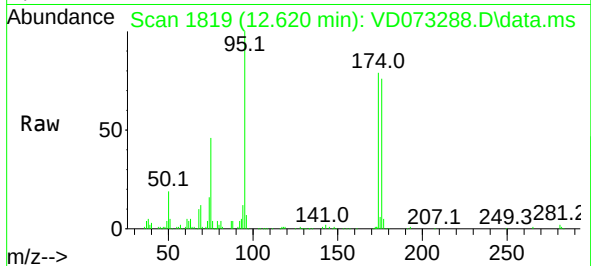




#71
Bromoform
Concen: 1.330 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

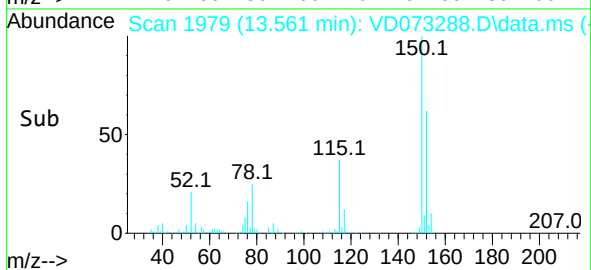
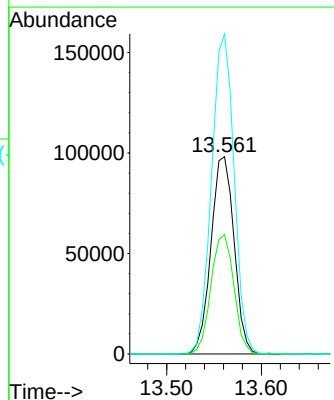
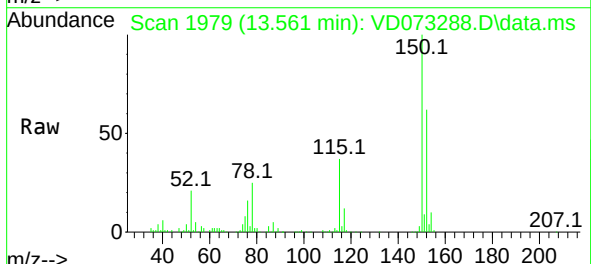
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

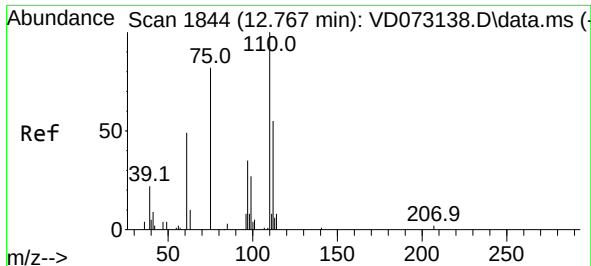
Tgt Ion:173 Resp: 1842
Ion Ratio Lower Upper
173 100
175 424.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Tgt Ion:152 Resp: 166461
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 158.5 0.0 348.6

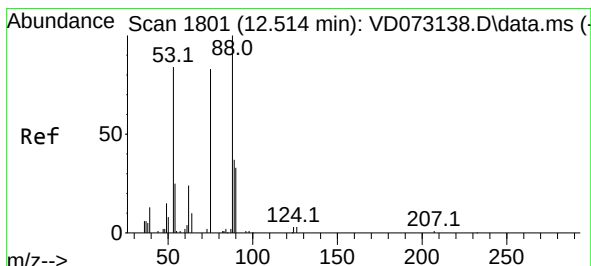
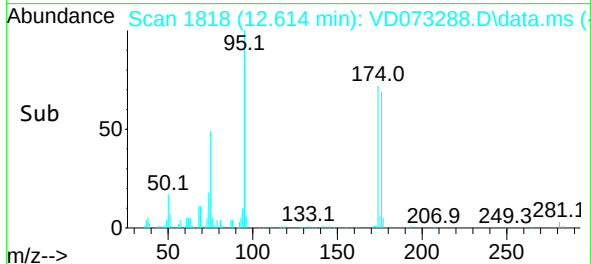
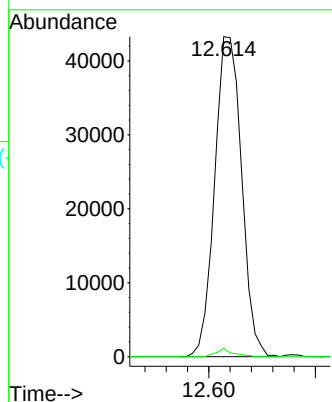
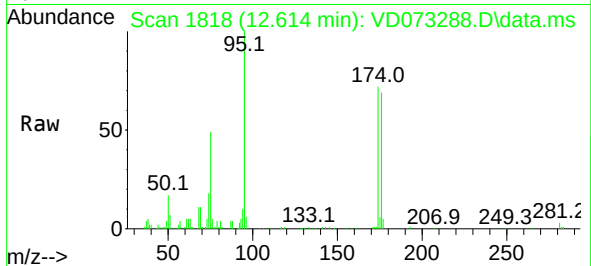




#76
1,2,3-Trichloropropane
Concen: 46.423 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

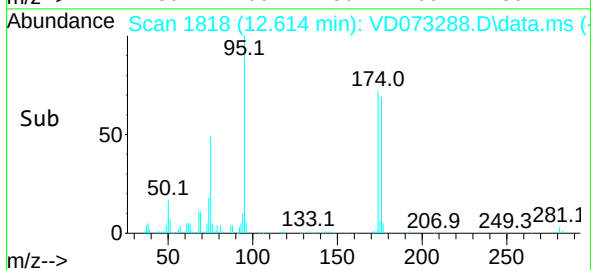
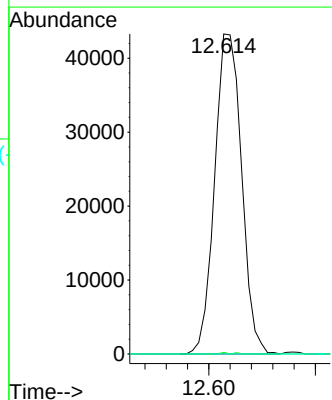
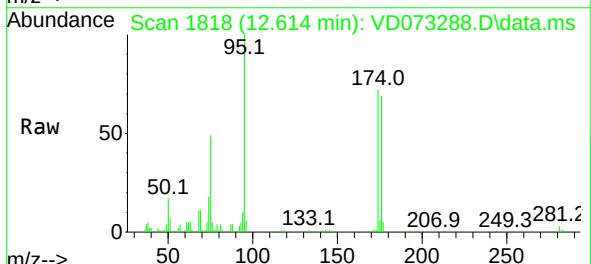
Instrument :
MSVOA_D
ClientSampleId :
NB-7-052022

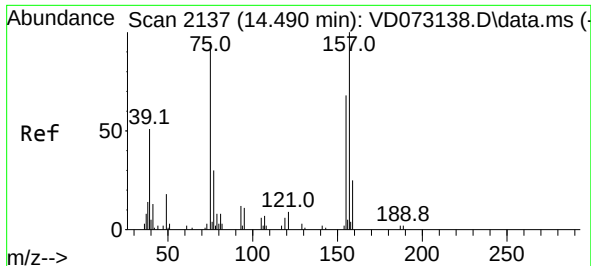
Tgt Ion: 75 Resp: 75821
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.447 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073288.D
Acq: 23 May 2022 17:43

Tgt Ion: 75 Resp: 75821
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.244 ug/l

RT: 14.343 min Scan# 2137

Delta R.T. -0.147 min

Lab File: VD073288.D

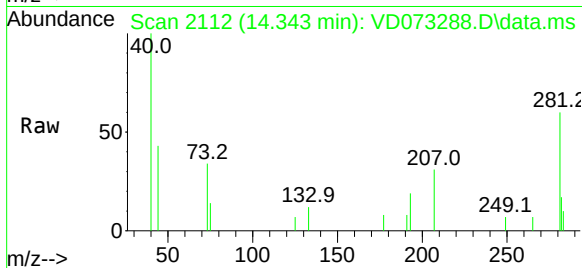
Acq: 23 May 2022 17:43

Instrument :

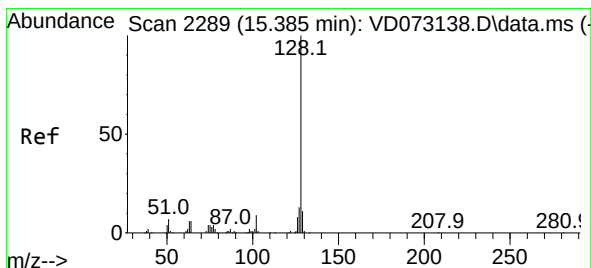
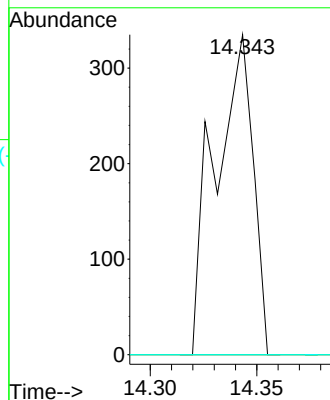
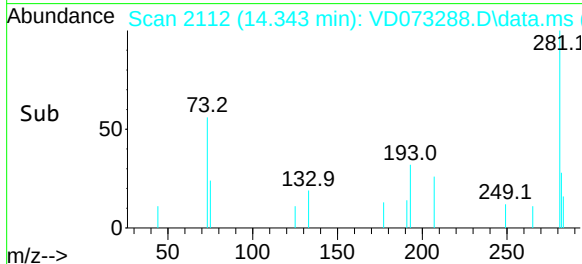
MSVOA_D

ClientSampleId :

NB-7-052022



Tgt Ion:	75	Resp:	417
Ion Ratio	Lower	Upper	
75	100		
155	0.0	36.8	110.3#
157	0.0	48.4	145.0#



#95

Naphthalene

Concen: 3.673 ug/l

RT: 15.390 min Scan# 2290

Delta R.T. 0.005 min

Lab File: VD073288.D

Acq: 23 May 2022 17:43

Tgt Ion:	128	Resp:	772
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

