

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073946.D
 Acq On : 03 Aug 2022 18:01
 Operator : VA/SY
 Sample : N3947-02
 Misc : 5.07G/5.02ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB07-14-15

Quant Time: Aug 04 02:53:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

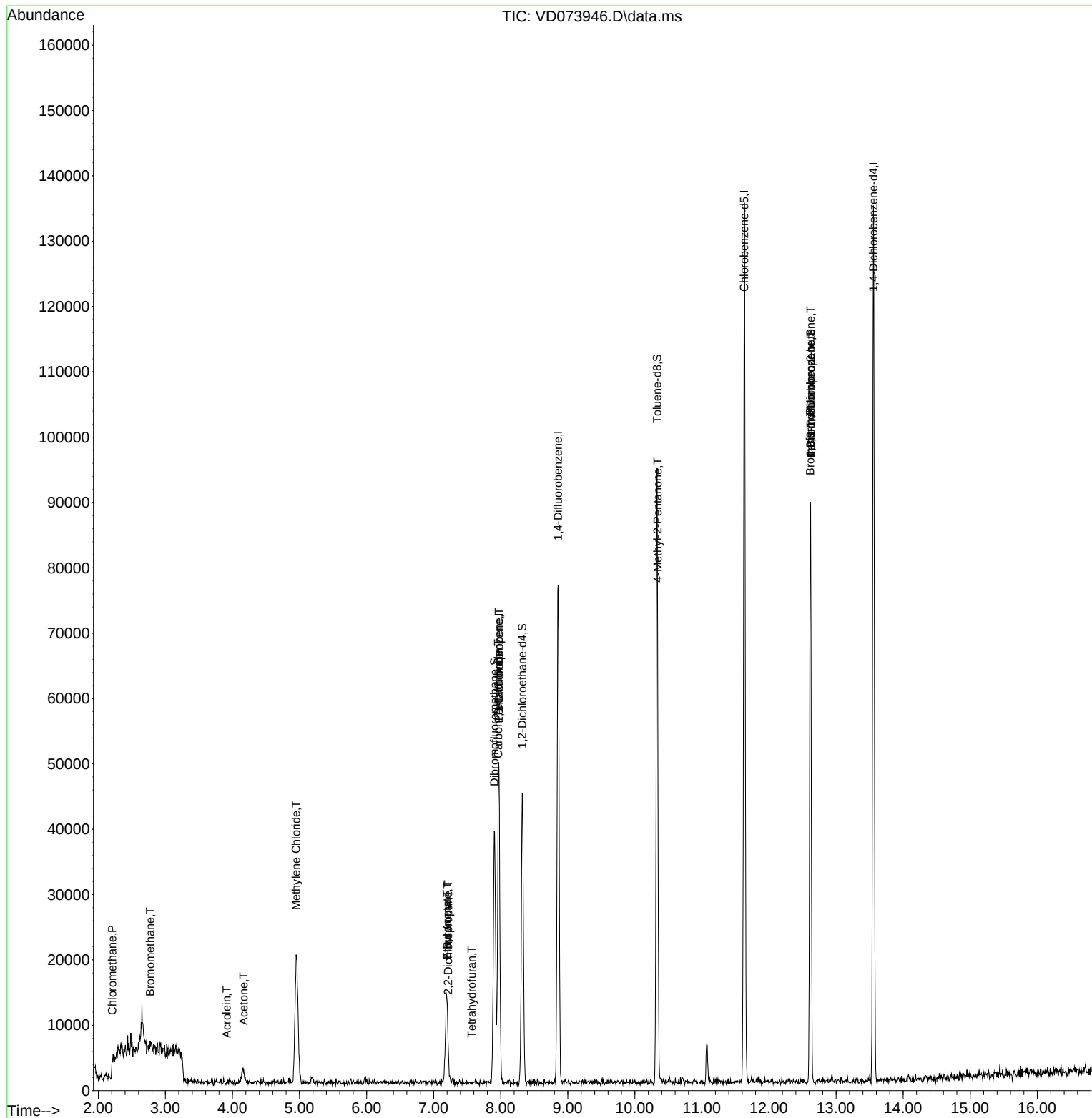
Internal Standards						
1) Pentafluorobenzene	7.973	168	34754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	66123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	73478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	34927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	34404	127.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 254.940%#	
35) Dibromofluoromethane	7.903	113	27131	66.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.080%	
50) Toluene-d8	10.332	98	64014	46.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.520%	
62) 4-Bromofluorobenzene	12.620	95	28384	55.774	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.540%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	500	1.132	ug/l #	40
5) Bromomethane	2.773	94	1297	3.373	ug/l #	68
11) Tert butyl alcohol	5.185	59	252	Below Cal	#	75
13) Acrolein	3.915	56	53	28.076	ug/l #	13
16) Acetone	4.167	43	4008	63.467	ug/l	91
18) Methyl Acetate	4.456	43	63	Below Cal	#	48
20) Methylene Chloride	4.950	84	15673	32.743	ug/l	92
25) 2-Butanone	7.203	43	1089	12.839	ug/l #	46
26) 2,2-Dichloropropane	7.214	77	666	1.082	ug/l #	52
29) Tetrahydrofuran	7.567	42	55	1.110	ug/l #	30
36) 1,1-Dichloropropene	7.973	75	3387	5.788	ug/l #	45
37) Ethyl Acetate	7.203	43	1089	4.997	ug/l #	30
38) Carbon Tetrachloride	7.961	117	3824	5.834	ug/l #	11
51) 4-Methyl-2-Pentanone	10.338	43	284	1.318	ug/l #	1
71) Bromoform	12.614	173	471	1.537	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	15748	60.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	15748	129.357	ug/l #	13

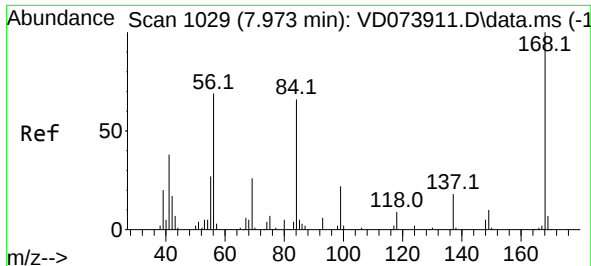
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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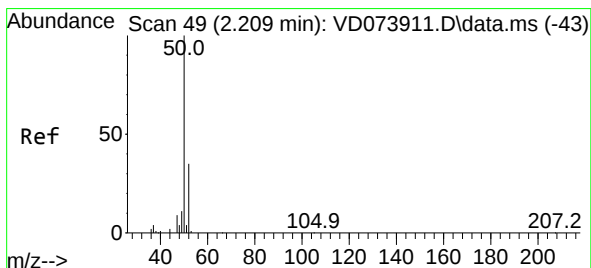
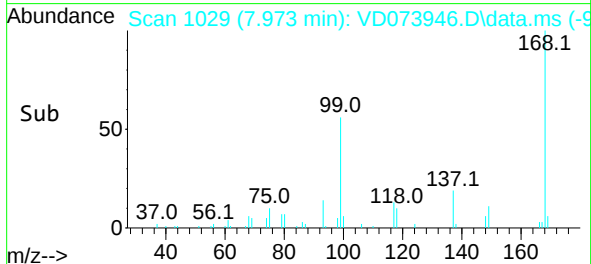
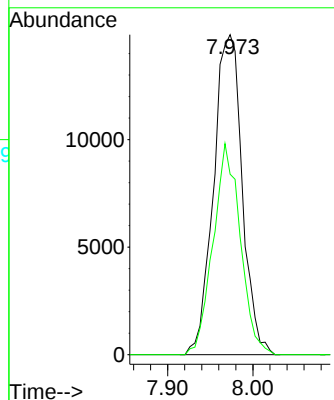
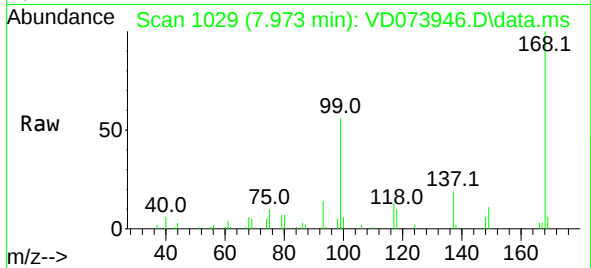




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

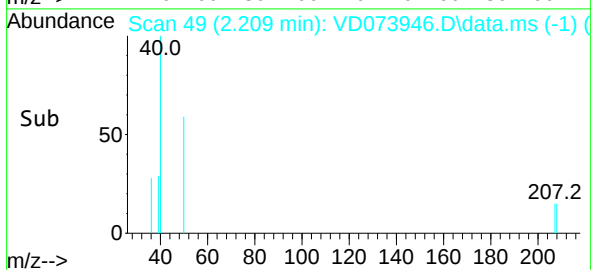
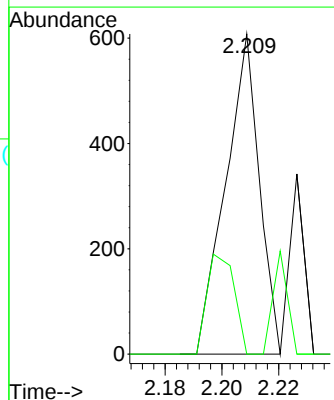
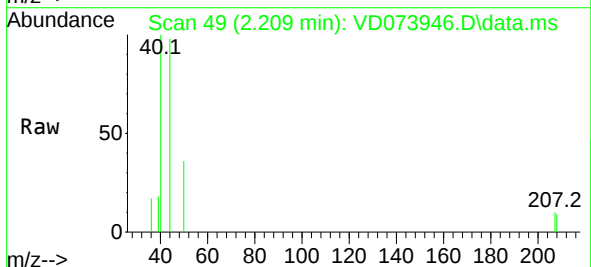
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

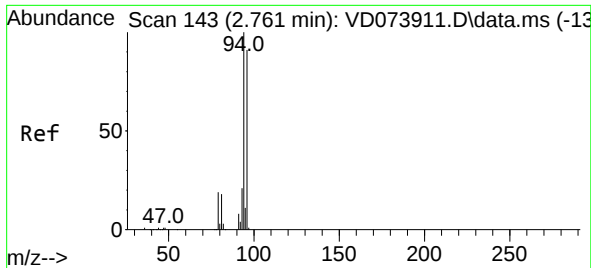
Tgt Ion:168 Resp: 34754
Ion Ratio Lower Upper
168 100
99 56.4 52.2 78.4



#3
Chloromethane
Concen: 1.132 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#

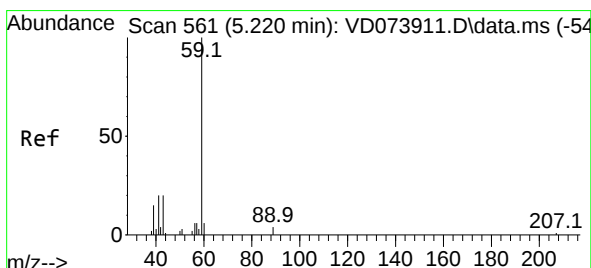
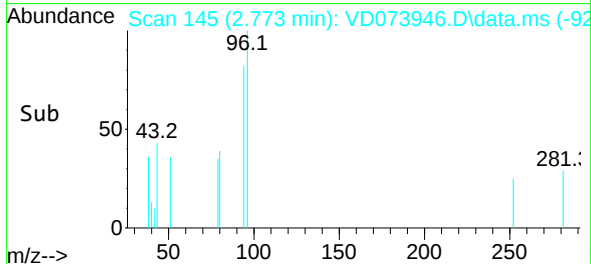
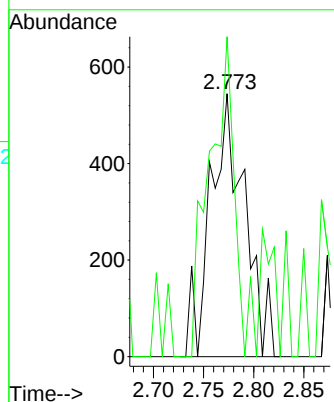
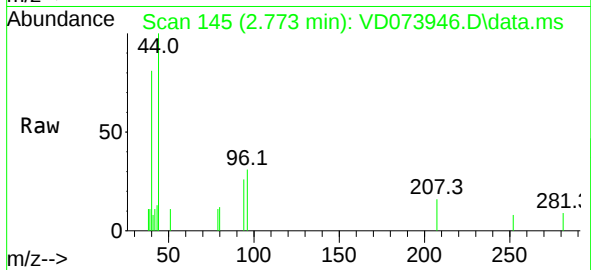




#5
Bromomethane
Concen: 3.373 ug/l
RT: 2.773 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

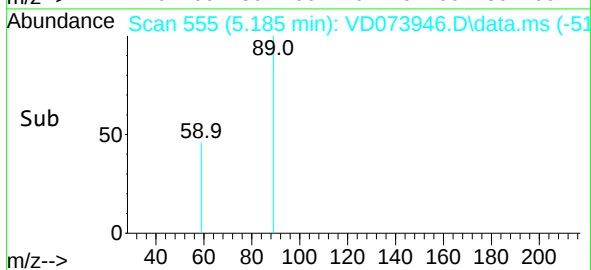
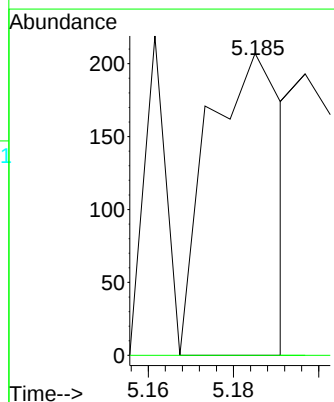
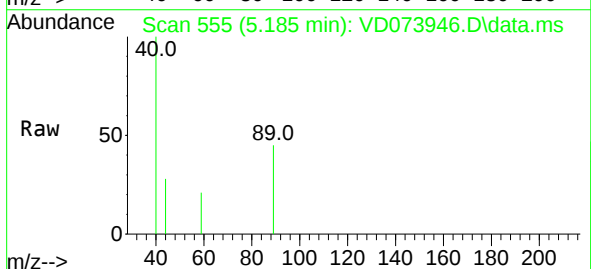
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

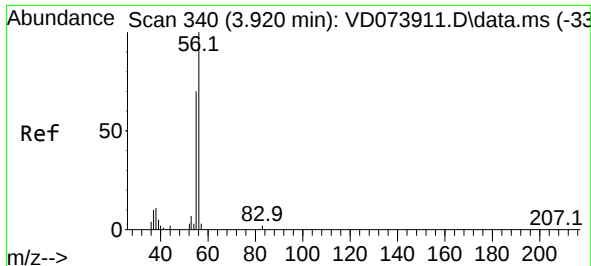
Tgt Ion: 94 Resp: 1297
Ion Ratio Lower Upper
94 100
96 121.7 72.7 109.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

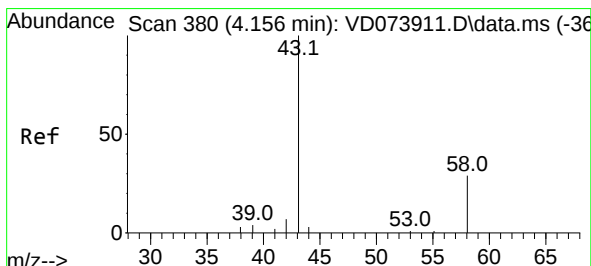
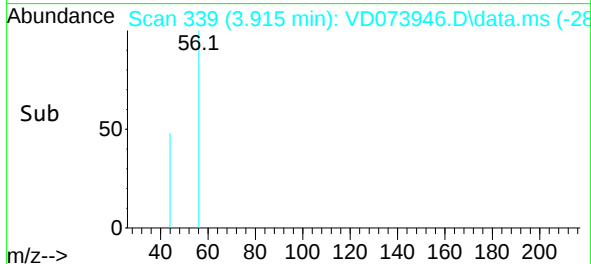
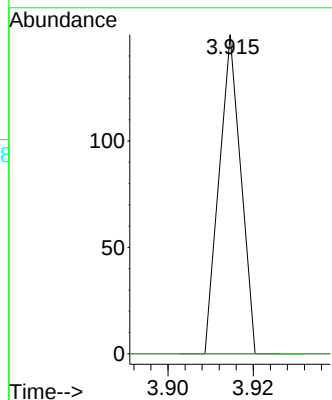
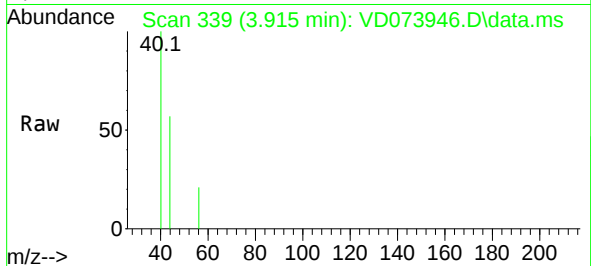




#13
Acrolein
Concen: 28.076 ug/l
RT: 3.915 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

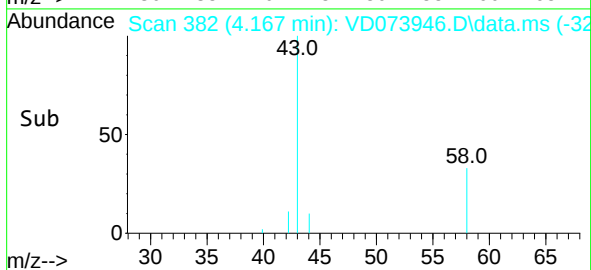
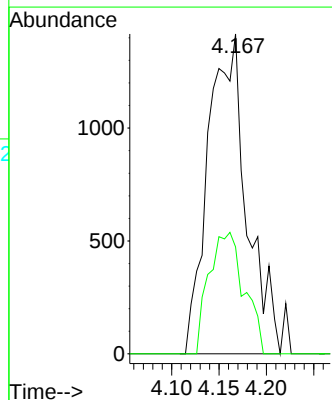
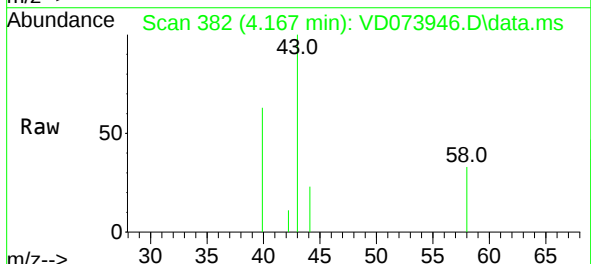
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

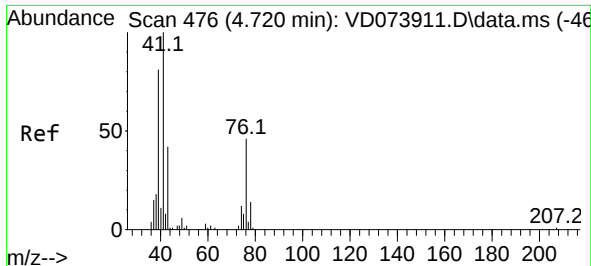
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 63.467 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 43 Resp: 4008
Ion Ratio Lower Upper
43 100
58 33.5 23.0 34.6

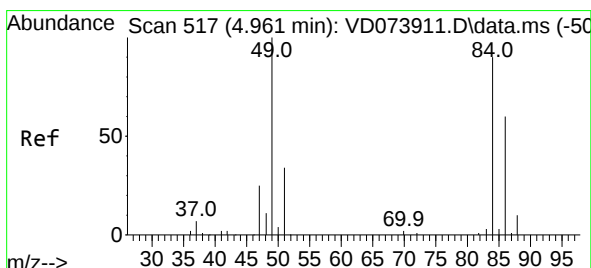
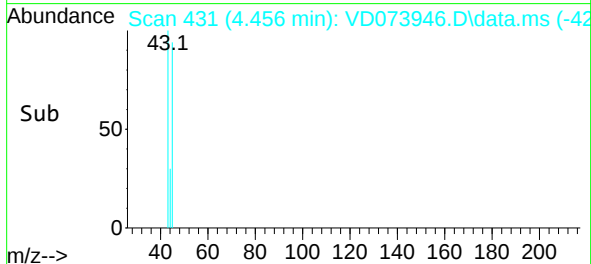
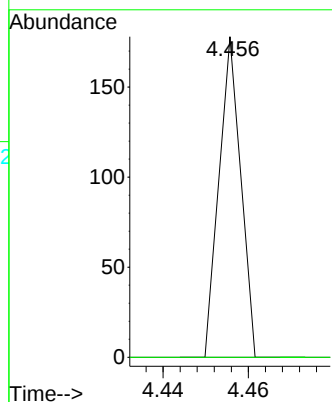
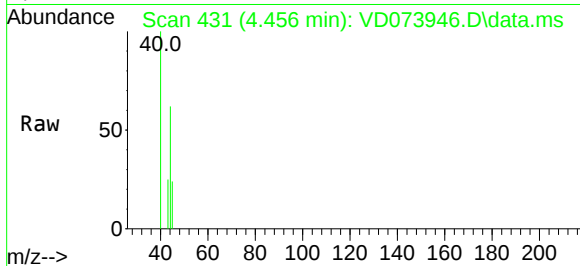




#18
Methyl Acetate
Concen: Below Cal
RT: 4.456 min Scan# 41
Delta R.T. -0.264 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

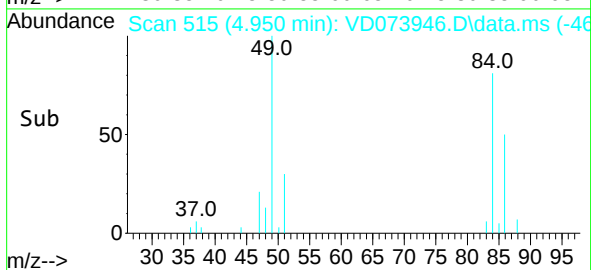
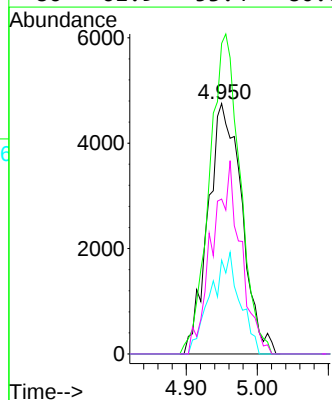
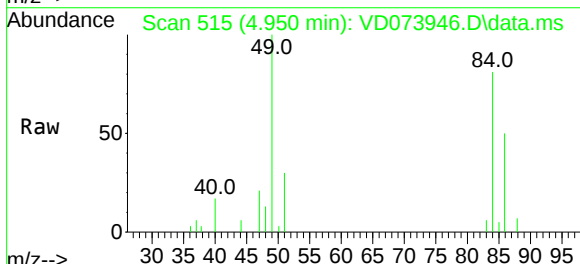
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

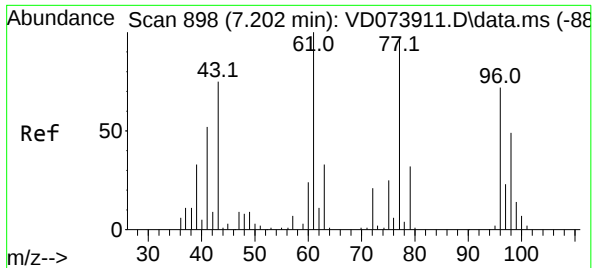
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 32.743 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.011 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 84 Resp: 15673
Ion Ratio Lower Upper
84 100
49 124.0 89.1 133.7
51 37.5 29.8 44.8
86 61.9 53.4 80.0





#25

2-Butanone

Concen: 12.839 ug/l

RT: 7.203 min Scan# 89

Delta R.T. 0.000 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

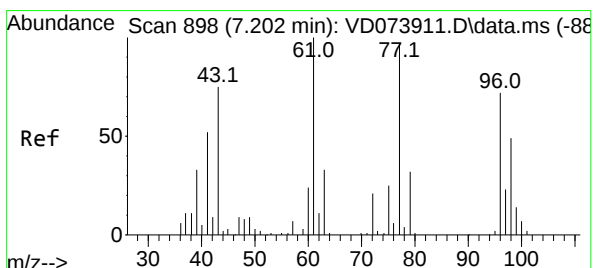
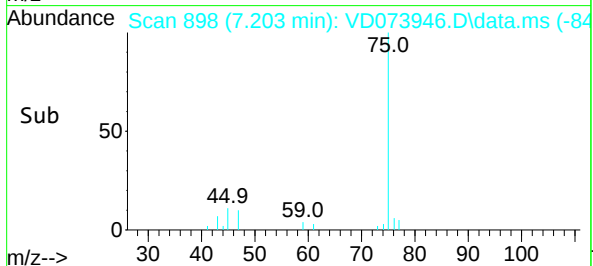
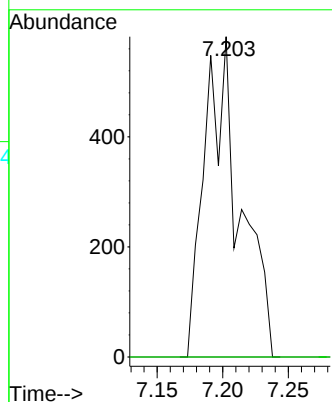
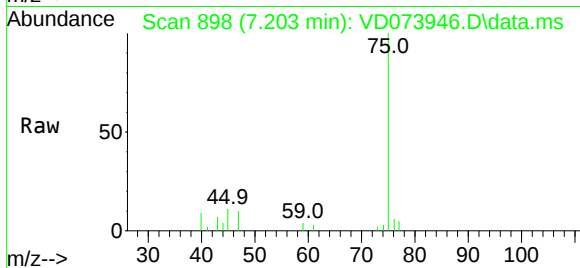
NSB07-14-15

Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#26

2,2-Dichloropropane

Concen: 1.082 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.012 min

Lab File: VD073946.D

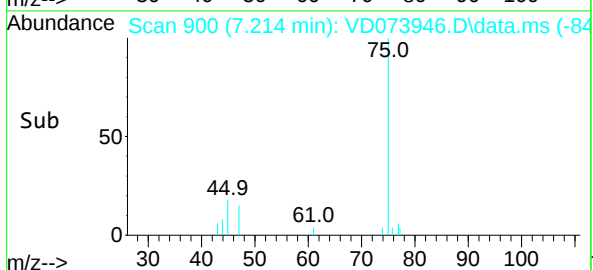
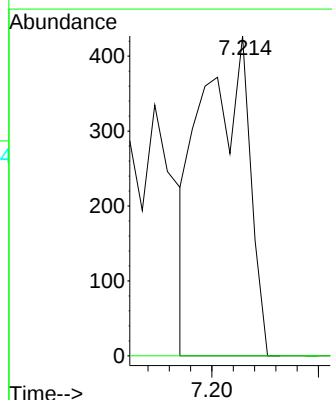
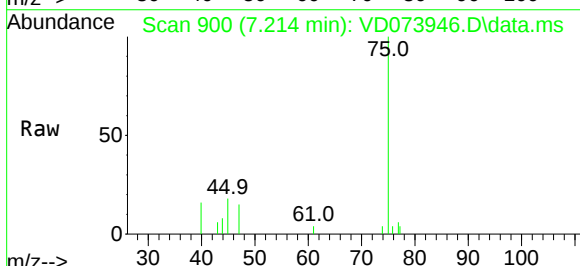
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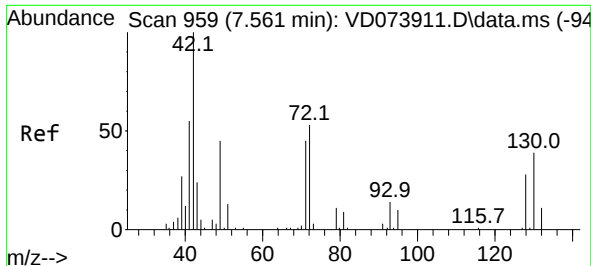
Tgt Ion: 77 Resp: 666

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#





#29

Tetrahydrofuran

Concen: 1.110 ug/l

RT: 7.567 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

NSB07-14-15

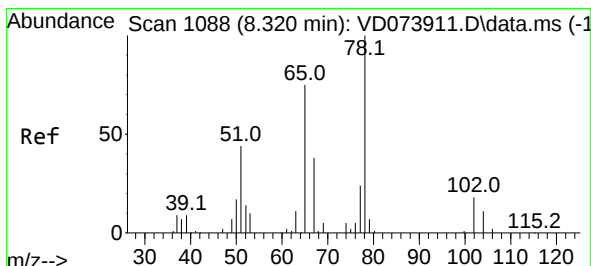
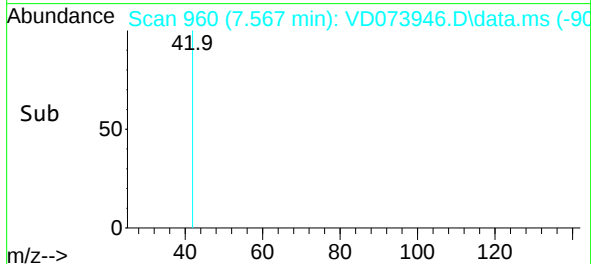
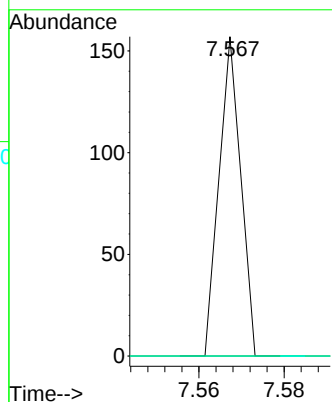
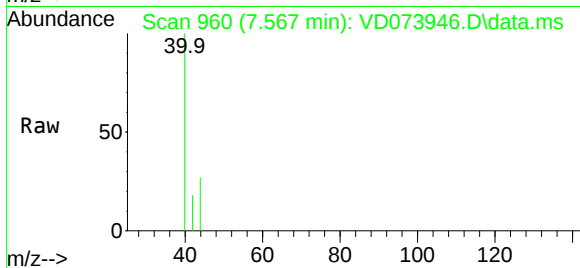
Tgt Ion: 42 Resp: 55

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.4#

71 0.0 35.7 53.5#



#33

1,2-Dichloroethane-d4

Concen: 127.468 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073946.D

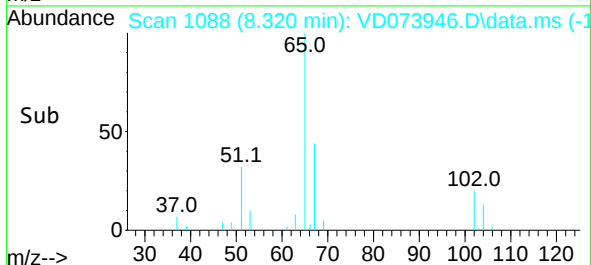
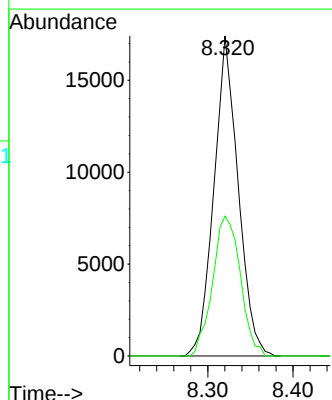
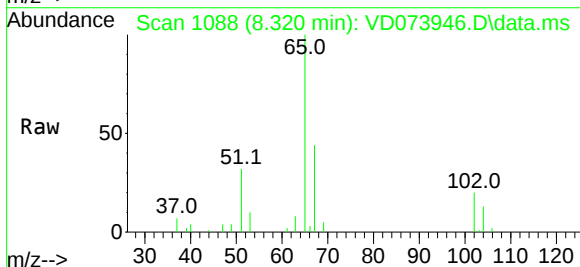
Acq: 03 Aug 2022 18:01

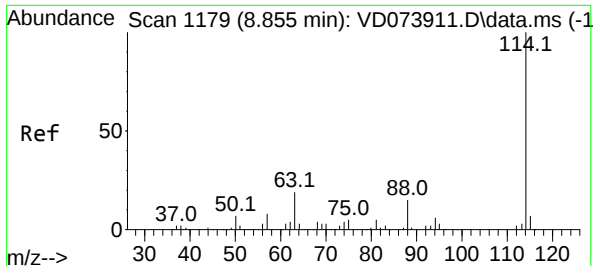
Tgt Ion: 65 Resp: 34404

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

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NSB07-14-15

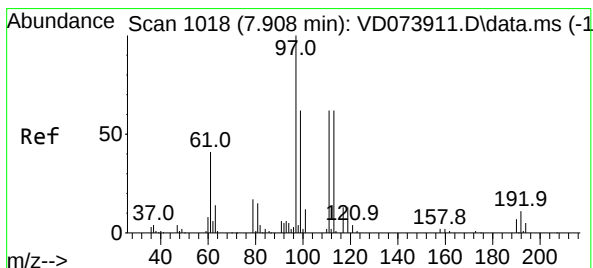
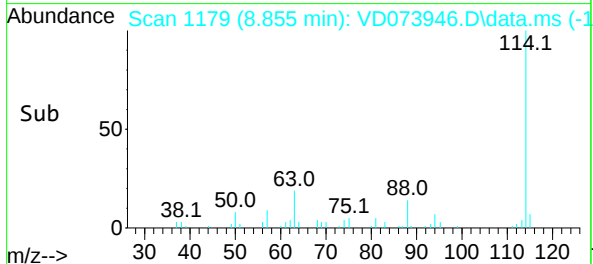
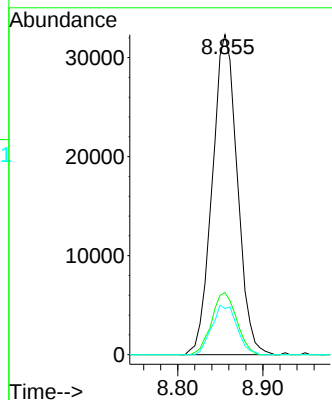
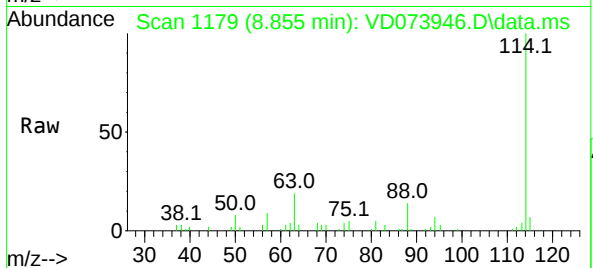
Tgt Ion:114 Resp: 66123

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

88 14.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 66.039 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

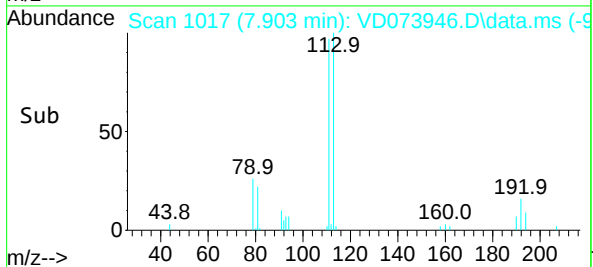
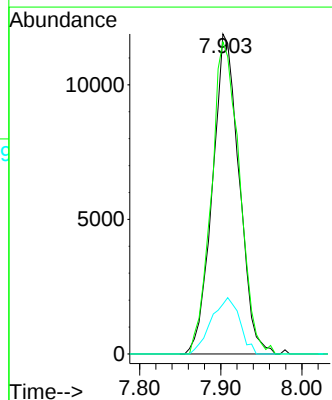
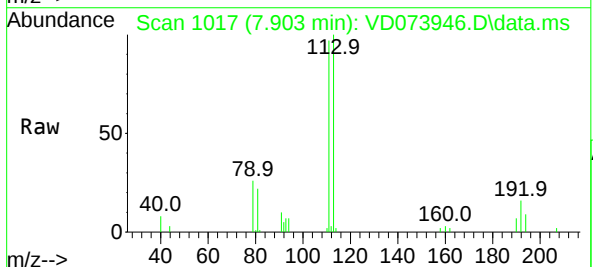
Tgt Ion:113 Resp: 27131

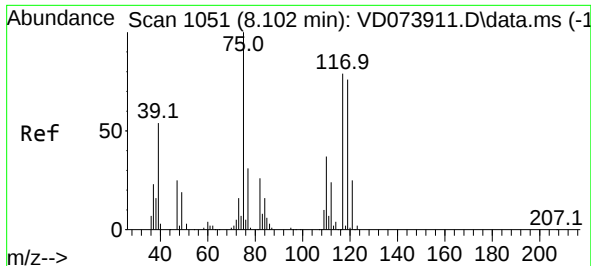
Ion Ratio Lower Upper

113 100

111 102.8 83.7 125.5

192 18.7 15.0 22.6

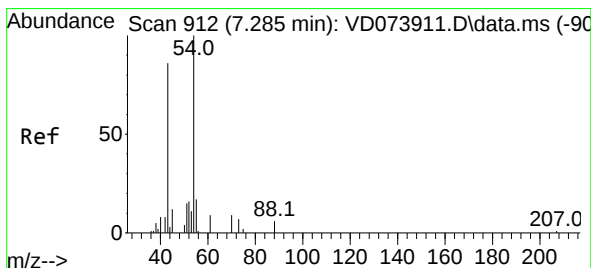
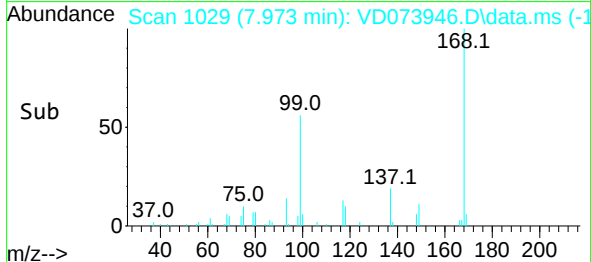
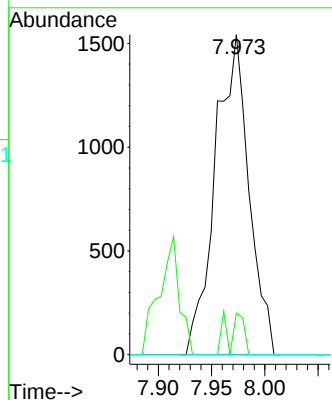
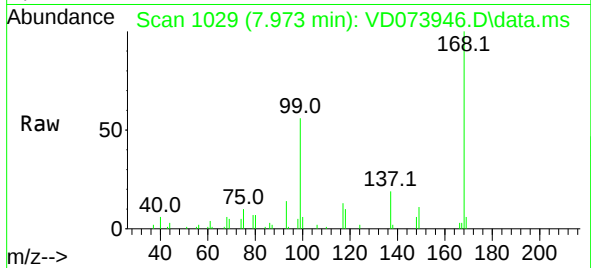




#36
1,1-Dichloropropene
Concen: 5.788 ug/l
RT: 7.973 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

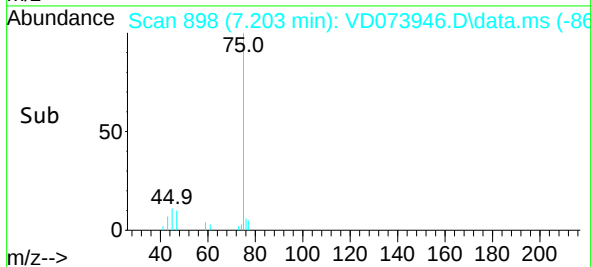
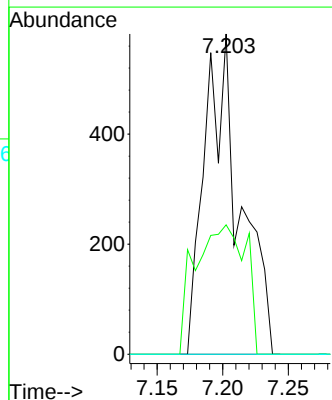
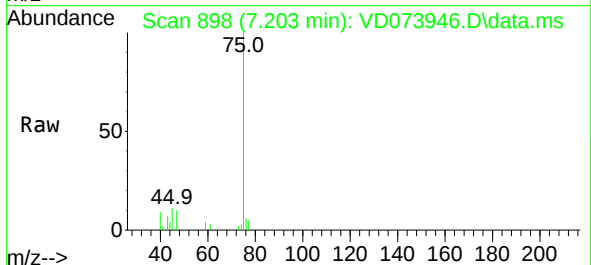
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

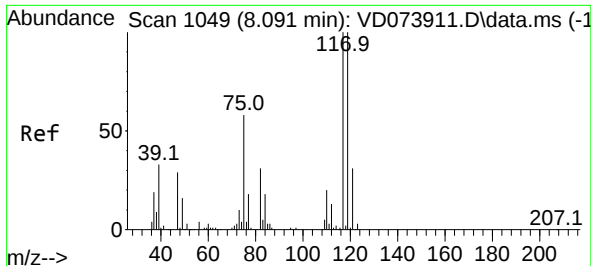
Tgt Ion: 75 Resp: 3387
Ion Ratio Lower Upper
75 100
110 4.0 18.1 54.1#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.997 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.082 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
61 58.1 12.7 19.1#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.129 min

Lab File: VD073946.D

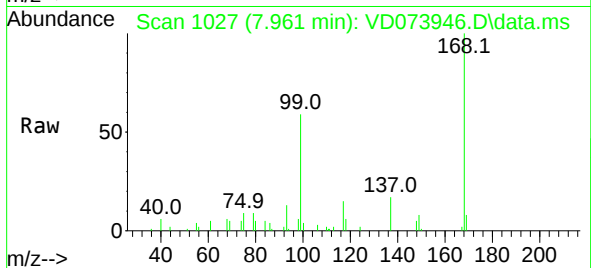
Acq: 03 Aug 2022 18:01

Instrument :

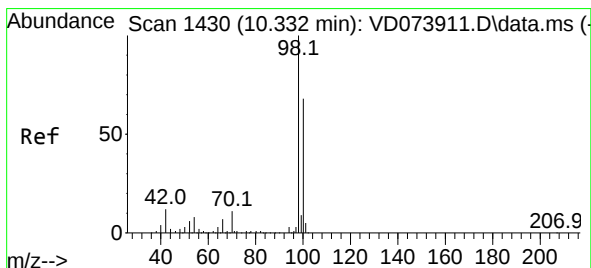
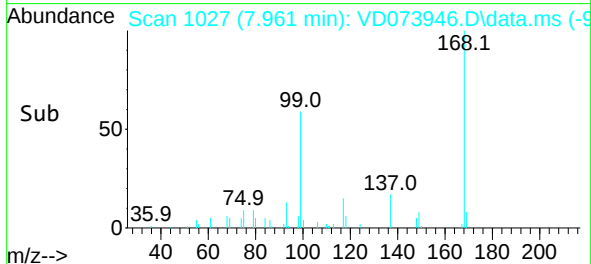
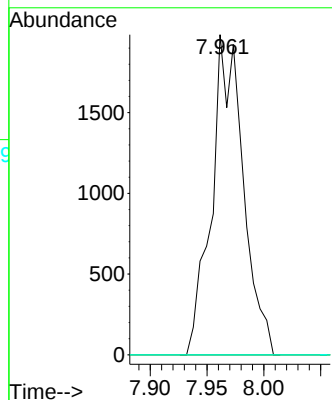
MSVOA_D

ClientSampleId :

NSB07-14-15



Tgt Ion:	117	Resp:	3824
Ion	Ratio	Lower	Upper
117	100		
119	0.0	79.6	119.4#
121	0.0	24.4	36.6#



#50

Toluene-d8

Concen: 46.257 ug/l

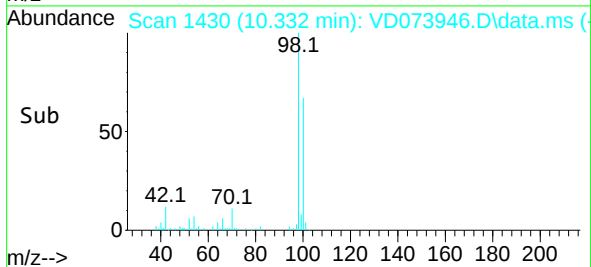
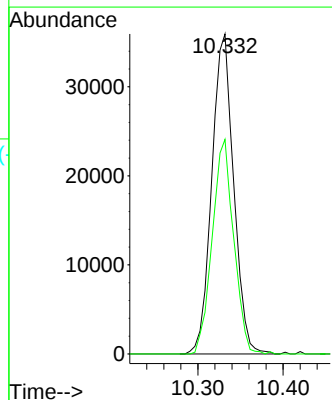
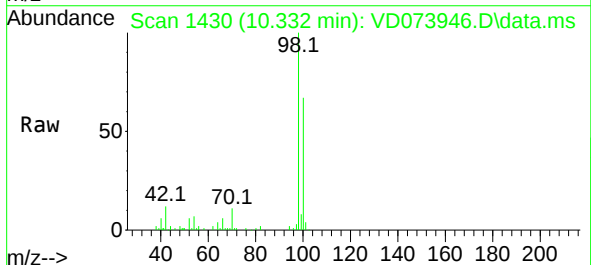
RT: 10.332 min Scan# 1430

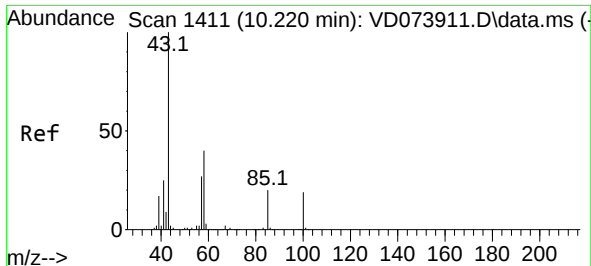
Delta R.T. 0.000 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

Tgt Ion:	98	Resp:	64014
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7

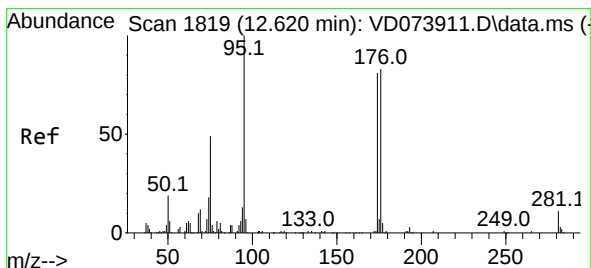
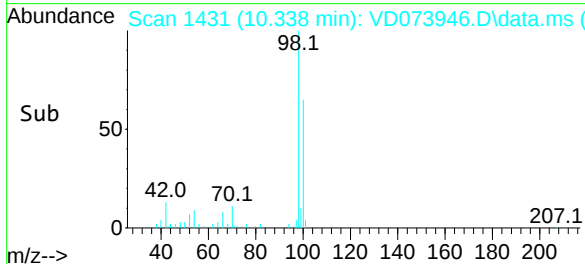
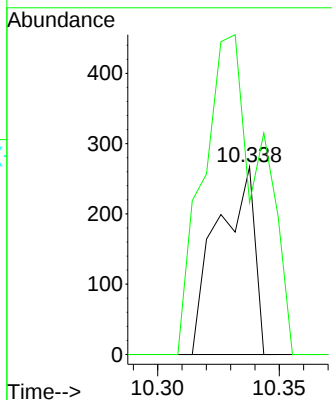
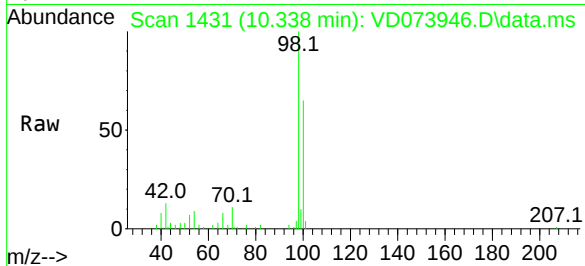




#51
4-Methyl-2-Pentanone
Concen: 1.318 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. 0.118 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

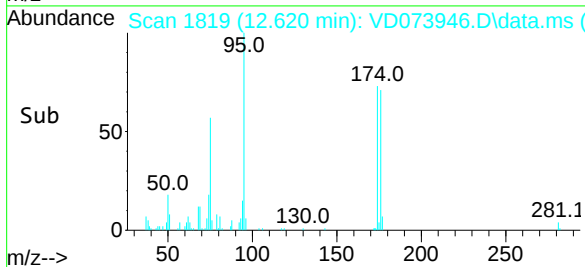
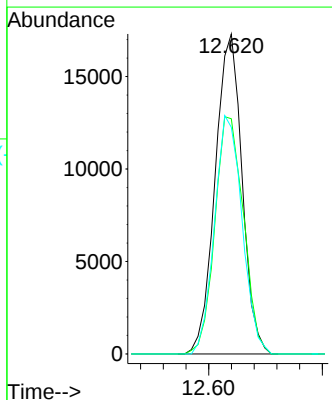
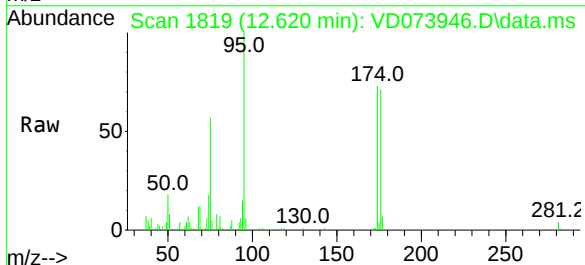
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

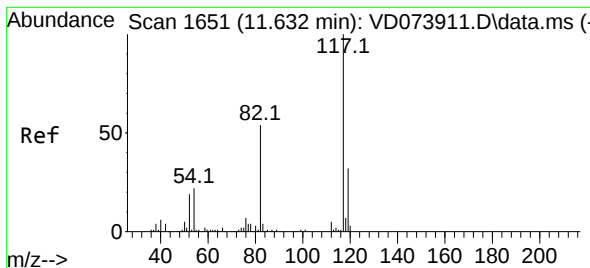
Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 261.3 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 55.774 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073946.D
Acq: 03 Aug 2022 18:01

Tgt Ion: 95 Resp: 28384
Ion Ratio Lower Upper
95 100
174 78.9 0.0 164.2
176 76.5 0.0 161.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

Instrument :

MSVOA_D

ClientSampleId :

NSB07-14-15

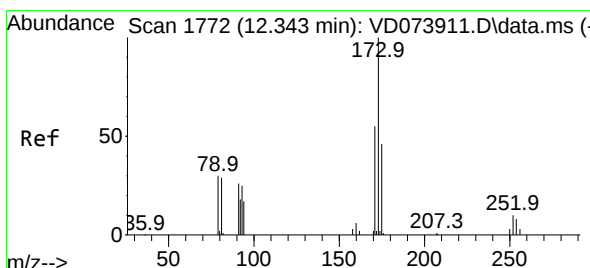
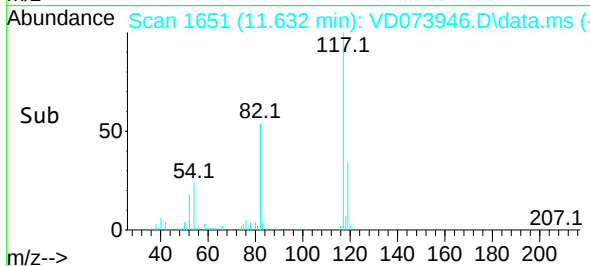
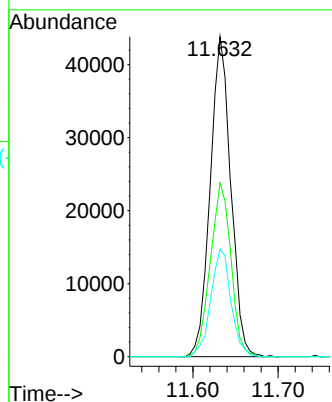
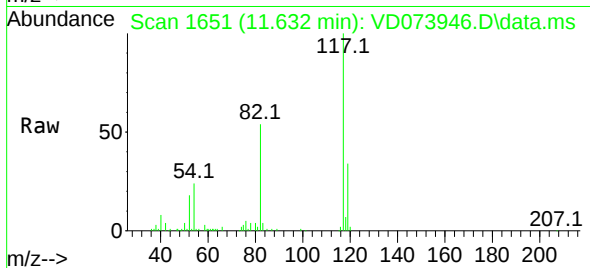
Tgt Ion:117 Resp: 73478

Ion Ratio Lower Upper

117 100

82 54.3 43.3 64.9

119 33.6 25.8 38.8



#71

Bromoform

Concen: 1.537 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.271 min

Lab File: VD073946.D

Acq: 03 Aug 2022 18:01

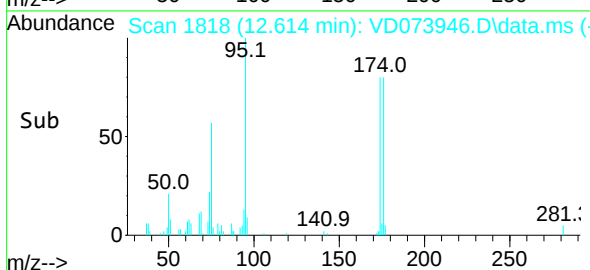
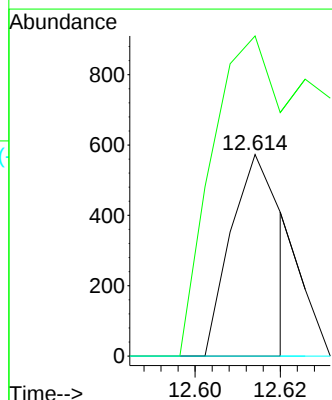
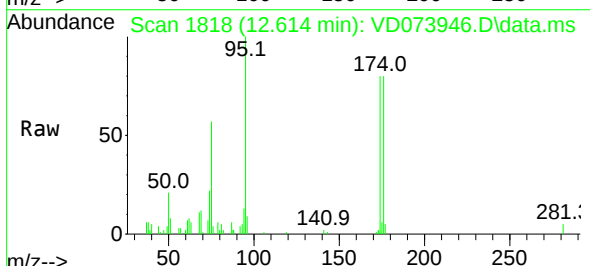
Tgt Ion:173 Resp: 471

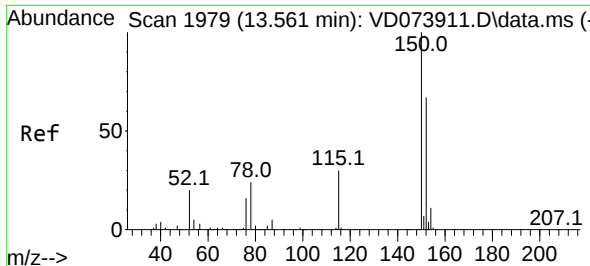
Ion Ratio Lower Upper

173 100

175 218.5 23.5 70.6#

254 0.0 0.0 0.0

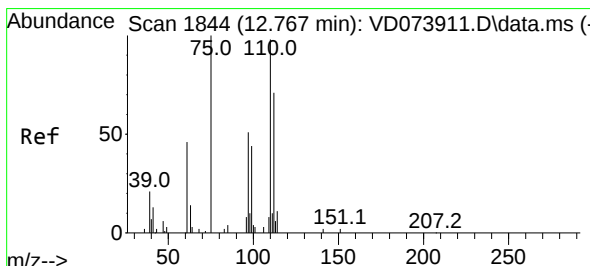
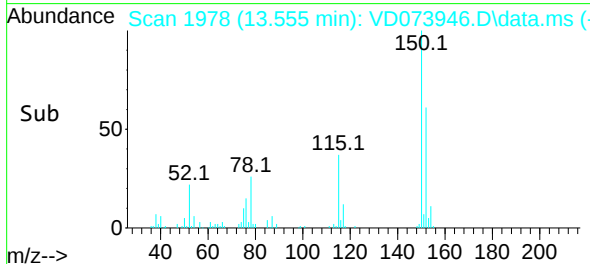
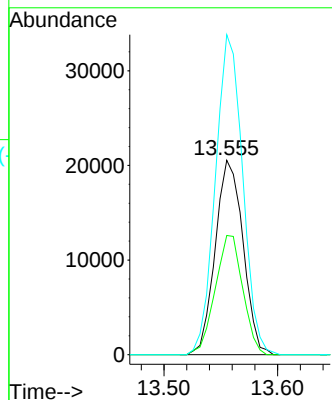
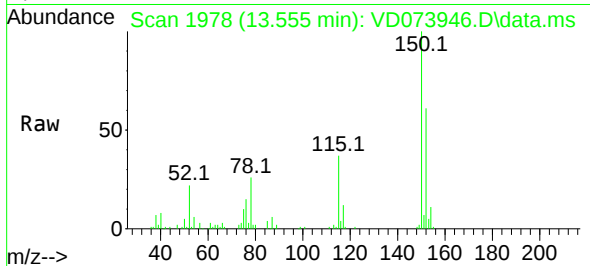




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD073946.D
 Acq: 03 Aug 2022 18:01

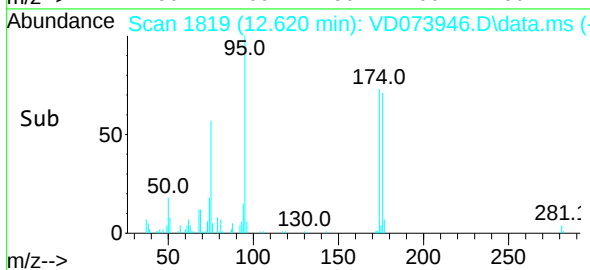
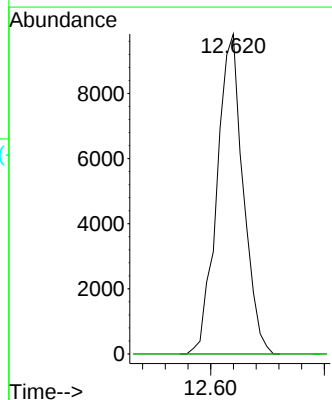
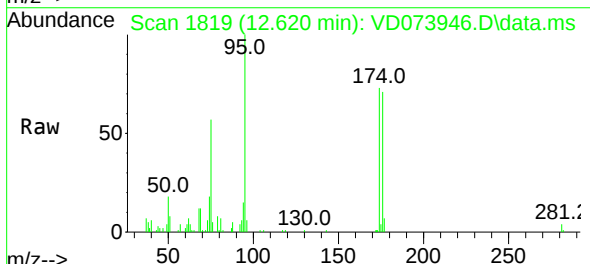
Instrument :
 MSVOA_D
 ClientSampleId :
 NSB07-14-15

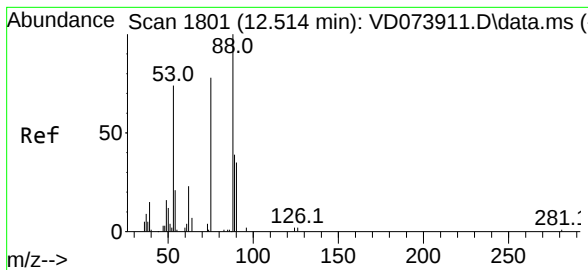
Tgt Ion:152 Resp: 34927
 Ion Ratio Lower Upper
 152 100
 115 60.9 29.1 87.3
 150 161.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 60.451 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073946.D
 Acq: 03 Aug 2022 18:01

Tgt Ion: 75 Resp: 15748
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.357 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073946.D
 Acq: 03 Aug 2022 18:01

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB07-14-15

Tgt Ion: 75 Resp: 15748
 Ion Ratio Lower Upper
 75 100
 53 0.4 71.6 107.4#
 89 0.0 39.8 59.6#

