

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073921.D
 Acq On : 02 Aug 2022 12:30
 Operator : VA/SY
 Sample : N3947-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB06-14-15

Quant Time: Aug 03 04:11:23 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)

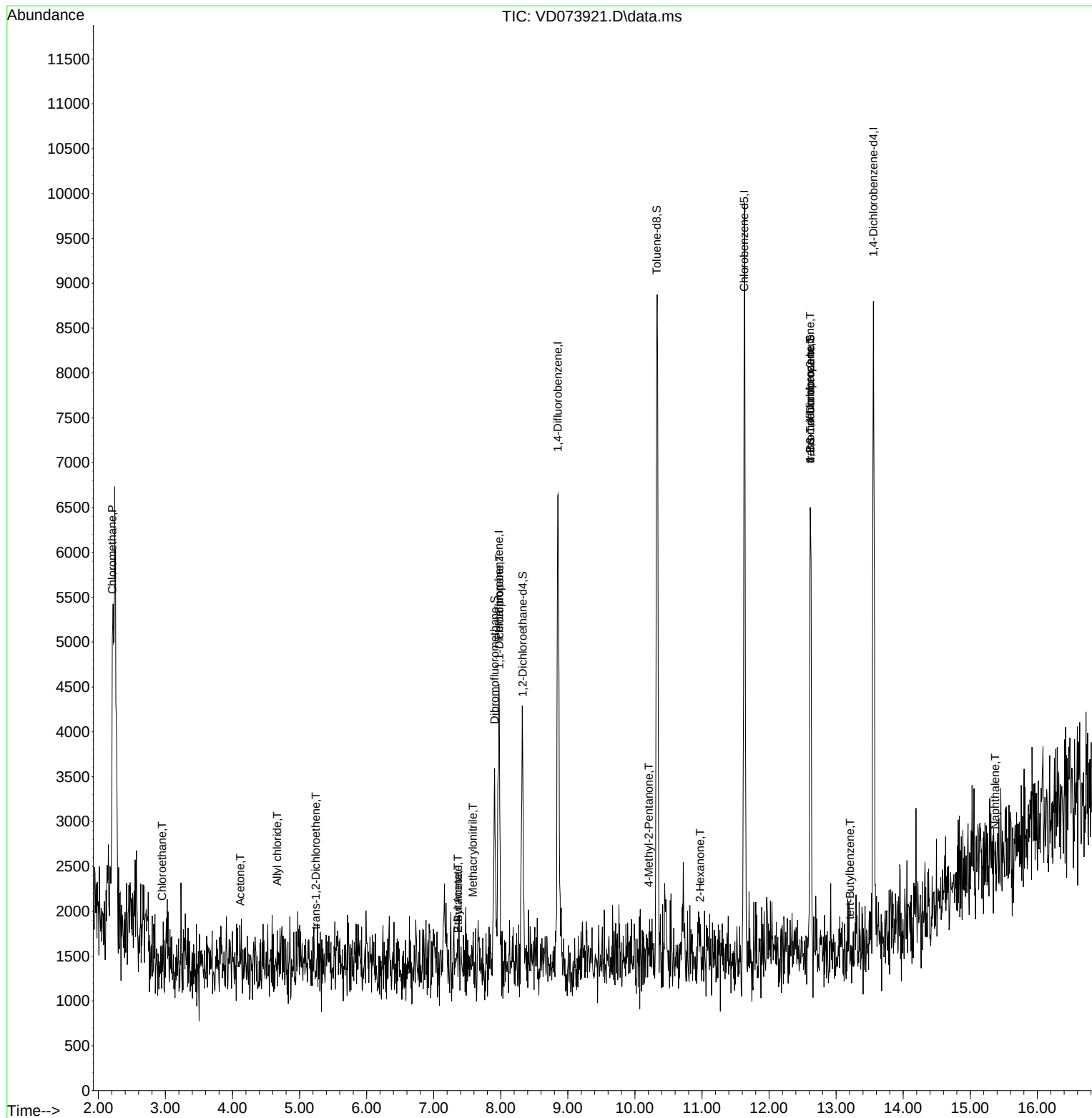
Internal Standards						
1) Pentafluorobenzene	7.973	168	2987	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.850	114	5577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	4888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	2344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	2369	101.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 202.220%#	
35) Dibromofluoromethane	7.908	113	1623	46.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.680%	
50) Toluene-d8	10.326	98	5964	51.097	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	12.614	95	2197	51.185	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	213	5.612	ug/l	# 40
6) Chloroethane	2.950	64	57	1.732	ug/l	# 42
14) Allyl chloride	4.667	41	65	1.824	ug/l	# 18
16) Acetone	4.114	43	58	18.641	ug/l	# 46
20) Methylene Chloride	4.979	84	169	Below Cal	#	9
21) trans-1,2-Dichloroethene	5.244	96	82	2.611	ug/l	# 1
25) 2-Butanone	7.361	43	56	7.682	ug/l	# 46
36) 1,1-Dichloropropene	7.979	75	57	1.155	ug/l	# 41
37) Ethyl Acetate	7.361	43	56	3.047	ug/l	# 66
41) Methacrylonitrile	7.585	41	74	6.974	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.208	43	67	3.687	ug/l	# 35
59) 2-Hexanone	10.973	43	163	13.256	ug/l	# 24
76) 1,2,3-Trichloropropane	12.614	75	1238	71.301	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.614	75	1238	151.526	ug/l	# 13
83) tert-Butylbenzene	13.208	119	130	1.087	ug/l	# 33
95) Naphthalene	15.373	128	85	1.102	ug/l	# 68

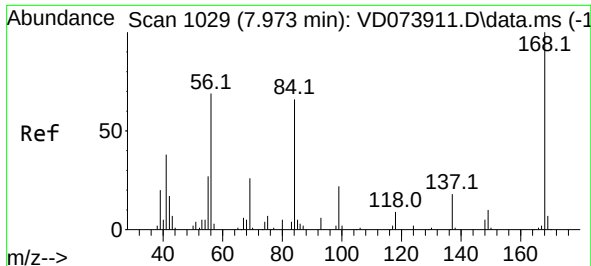
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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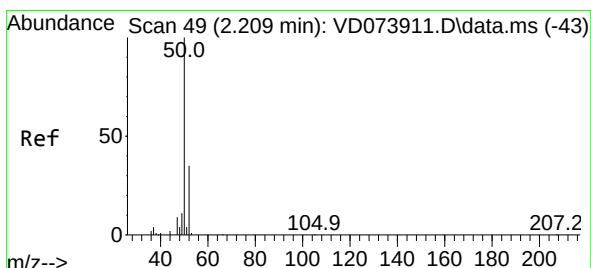
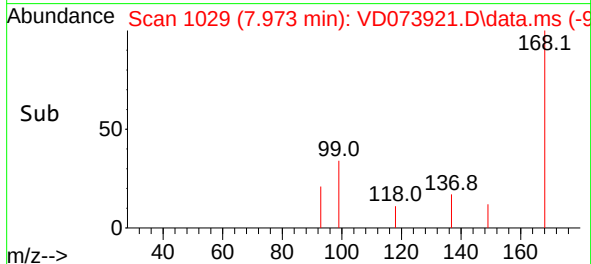
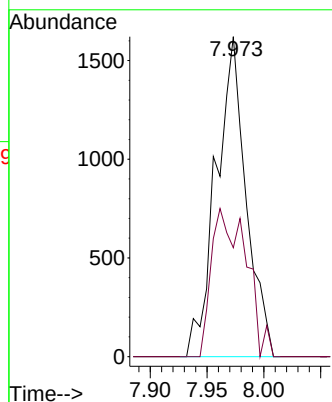
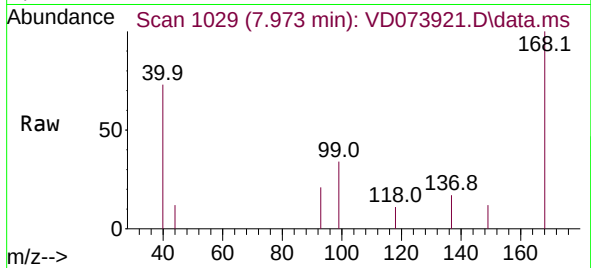




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

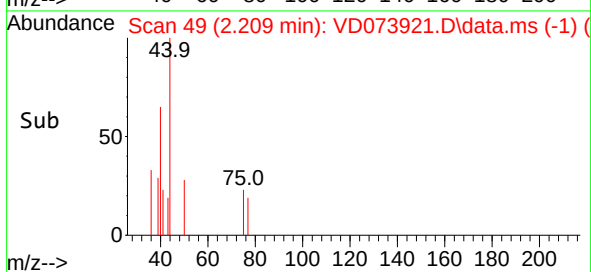
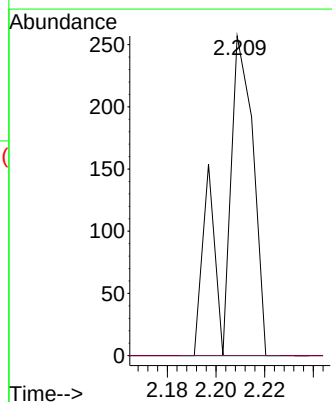
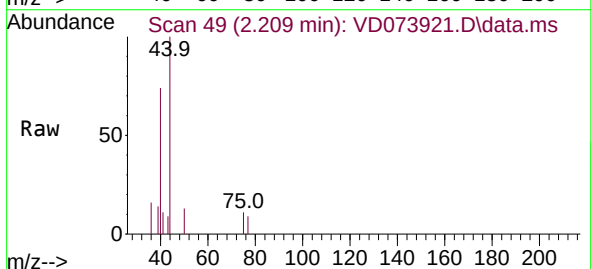
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

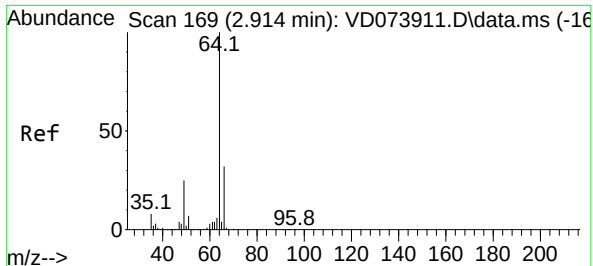
Tgt Ion:168 Resp: 2987
Ion Ratio Lower Upper
168 100
99 34.1 52.2 78.4#



#3
Chloromethane
Concen: 5.612 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#

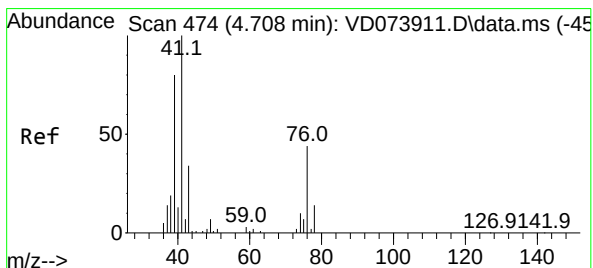
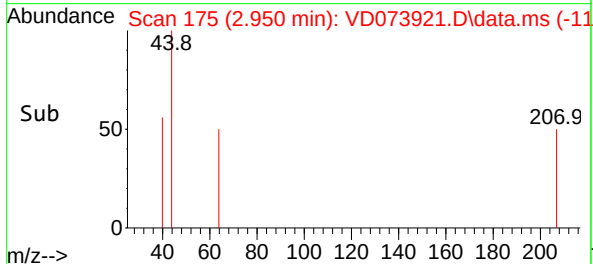
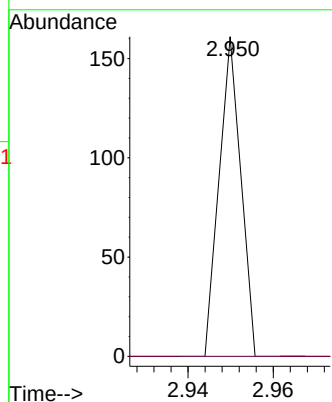
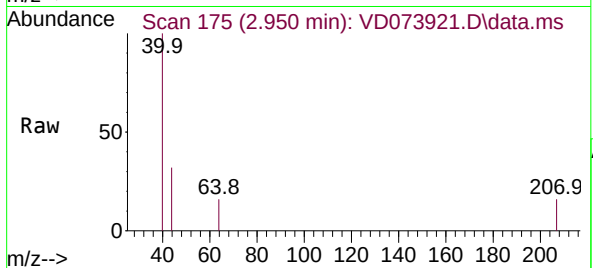




#6
Chloroethane
Concen: 1.732 ug/l
RT: 2.950 min Scan# 11
Delta R.T. 0.035 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

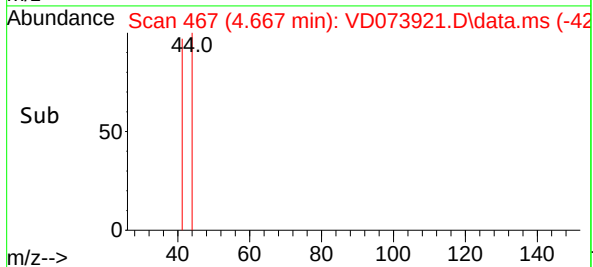
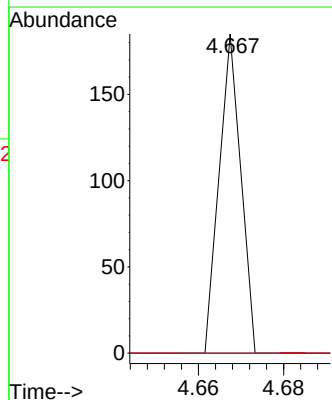
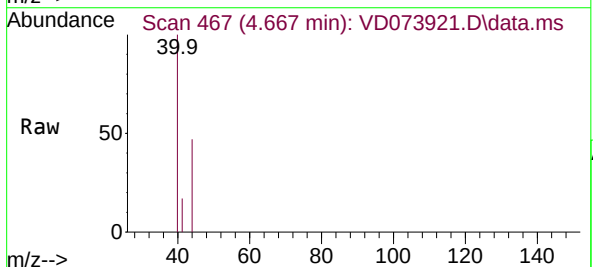
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

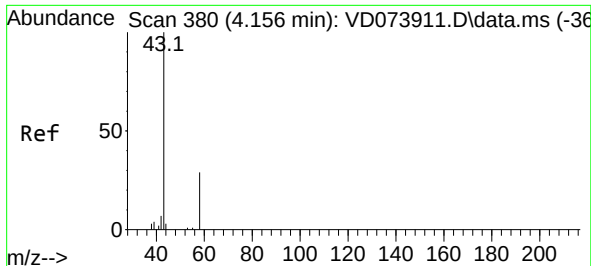
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#14
Allyl chloride
Concen: 1.824 ug/l
RT: 4.667 min Scan# 467
Delta R.T. -0.041 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 0.0 62.6 94.0#
76 0.0 33.9 50.9#





#16

Acetone

Concen: 18.641 ug/l

RT: 4.114 min Scan# 31

Delta R.T. -0.042 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

Instrument :

MSVOA_D

ClientSampleId :

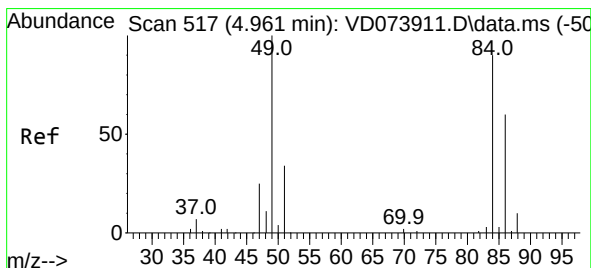
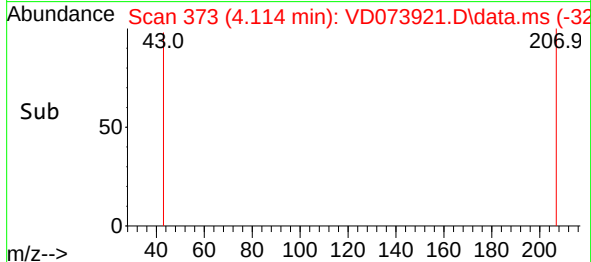
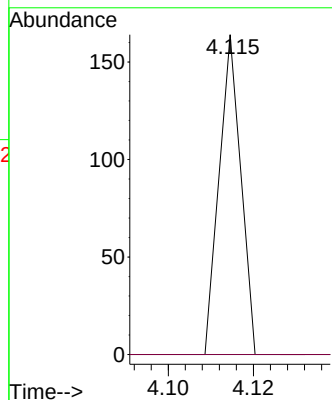
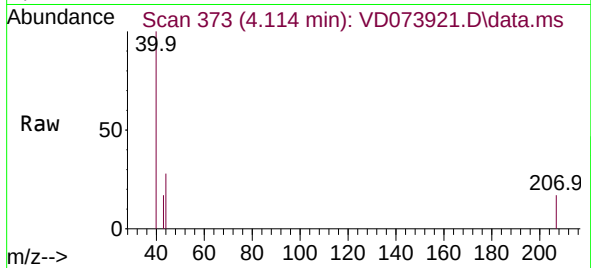
NSB06-14-15

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.979 min Scan# 520

Delta R.T. 0.018 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

Tgt Ion: 84 Resp: 169

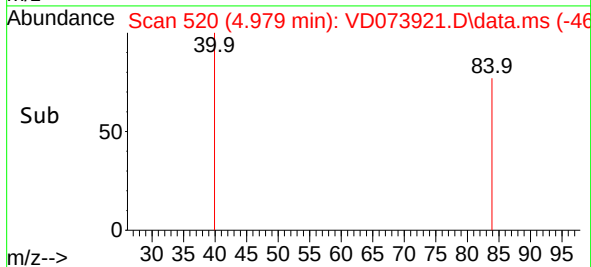
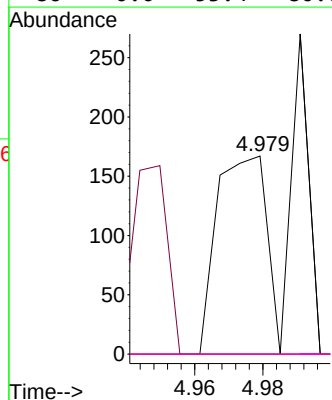
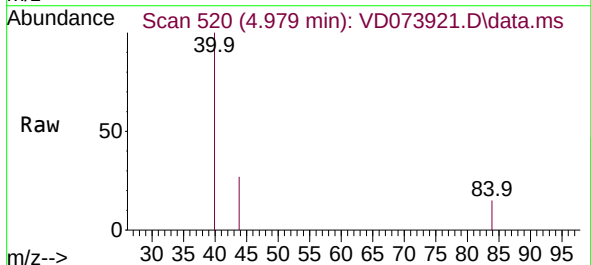
Ion Ratio Lower Upper

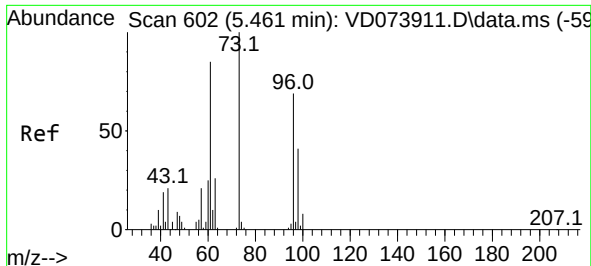
84 100

49 0.0 89.1 133.7#

51 0.0 29.8 44.8#

86 0.0 53.4 80.0#

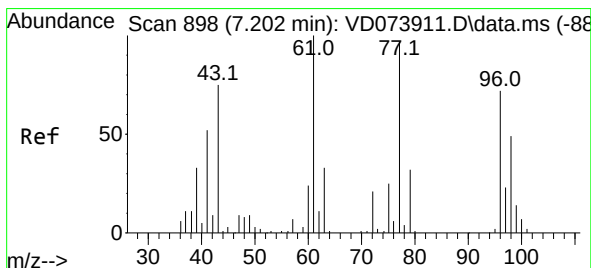
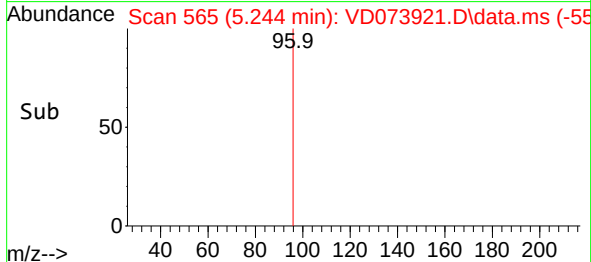
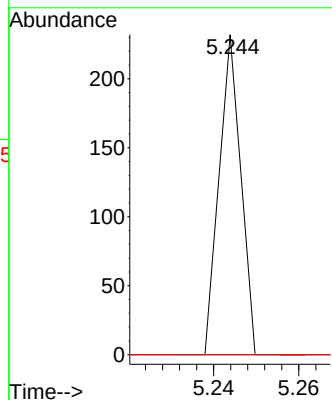
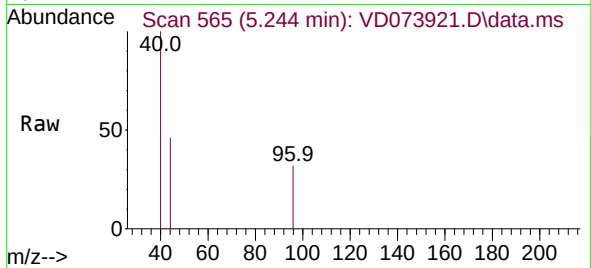




#21
trans-1,2-Dichloroethene
Concen: 2.611 ug/l
RT: 5.244 min Scan# 50
Delta R.T. -0.217 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

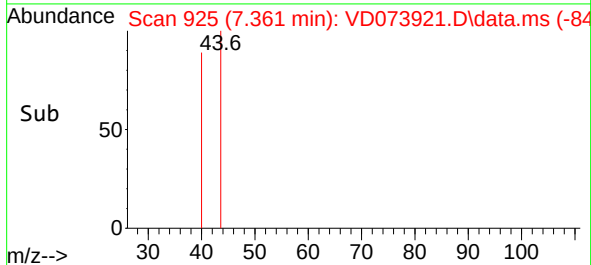
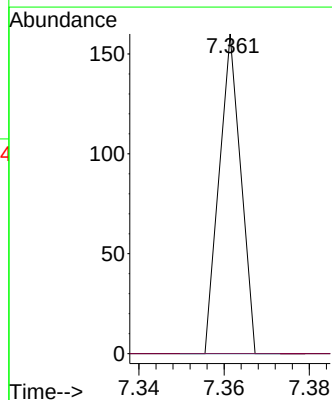
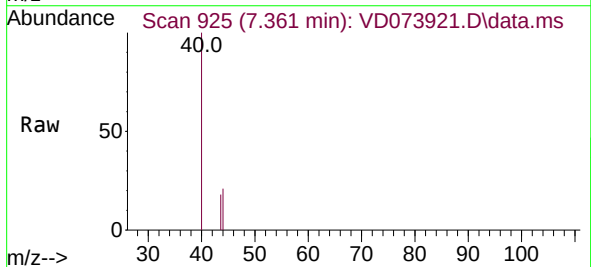
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

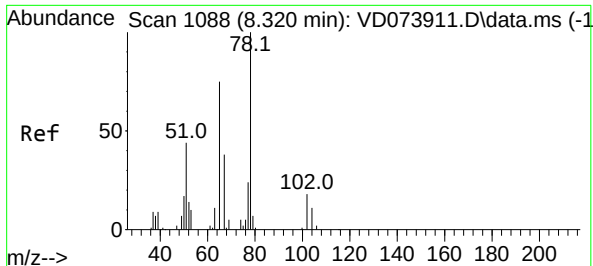
Tgt Ion: 96 Resp: 82
Ion Ratio Lower Upper
96 100
61 0.0 98.7 148.1#
98 0.0 47.3 70.9#



#25
2-Butanone
Concen: 7.682 ug/l
RT: 7.361 min Scan# 925
Delta R.T. 0.159 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 22.7 34.1#





#33

1,2-Dichloroethane-d4

Concen: 101.113 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

Instrument :

MSVOA_D

ClientSampleId :

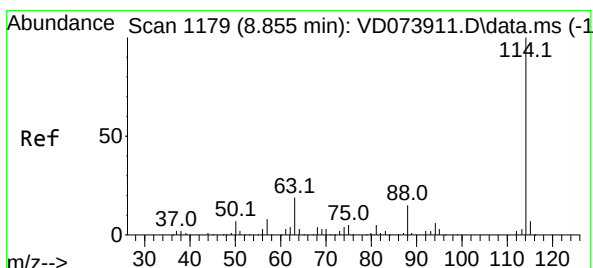
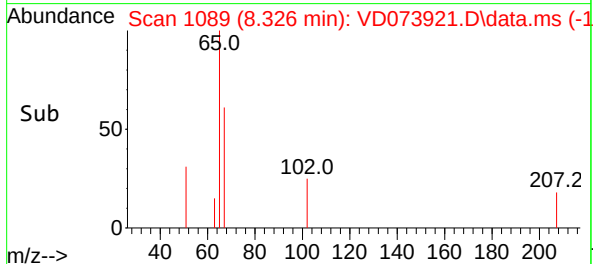
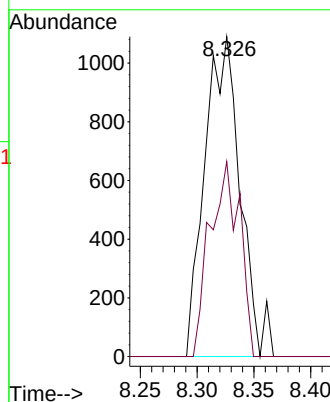
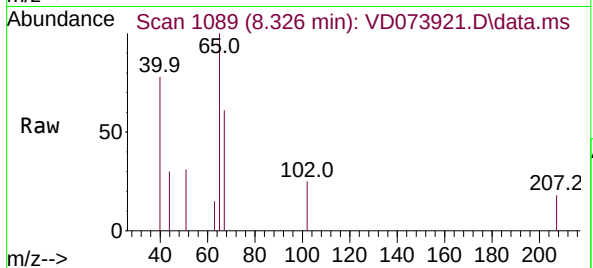
NSB06-14-15

Tgt Ion: 65 Resp: 2369

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.850 min Scan# 1178

Delta R.T. -0.006 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

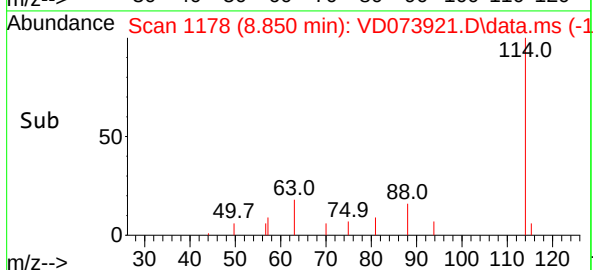
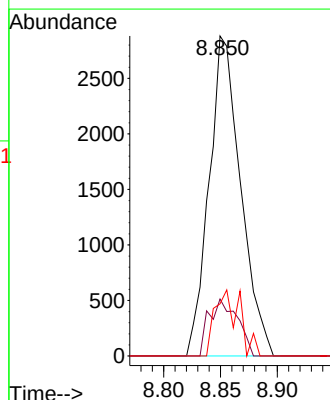
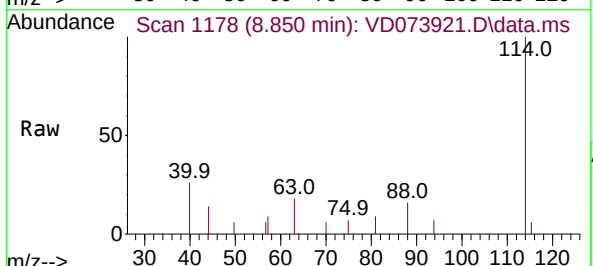
Tgt Ion: 114 Resp: 5577

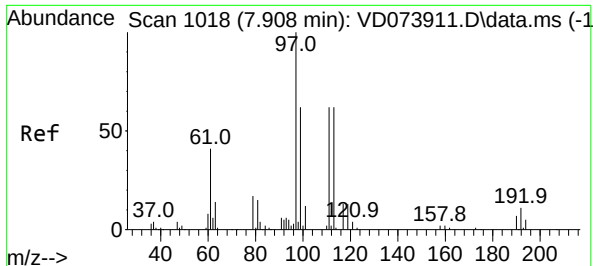
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.6

88 16.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.839 ug/l

RT: 7.908 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

Instrument :

MSVOA_D

ClientSampleId :

NSB06-14-15

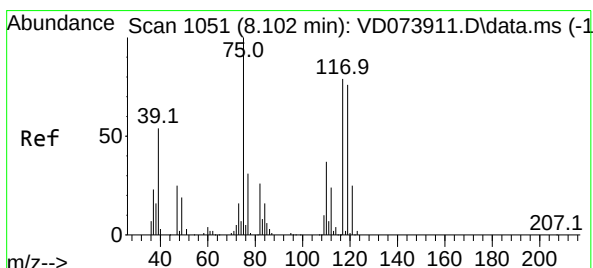
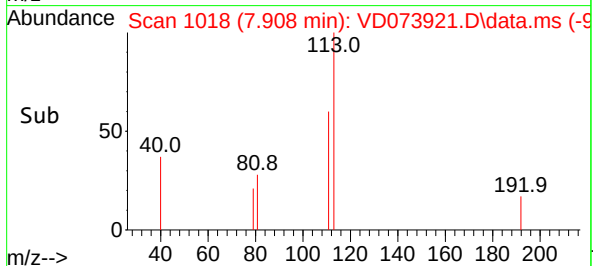
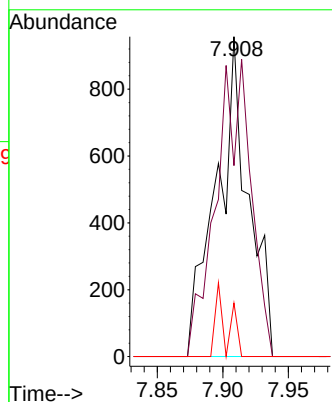
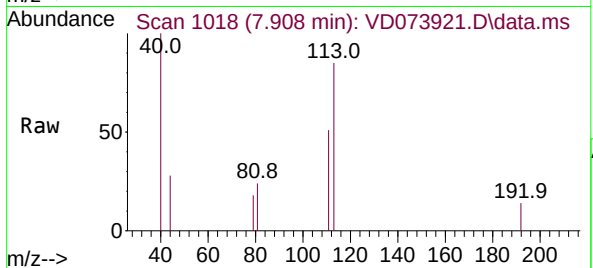
Tgt Ion:113 Resp: 1623

Ion Ratio Lower Upper

113 100

111 100.4 83.7 125.5

192 8.3 15.0 22.6#



#36

1,1-Dichloropropene

Concen: 1.155 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.123 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

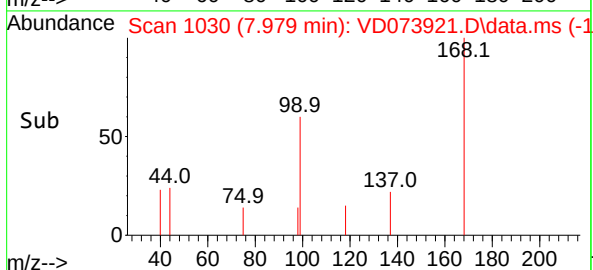
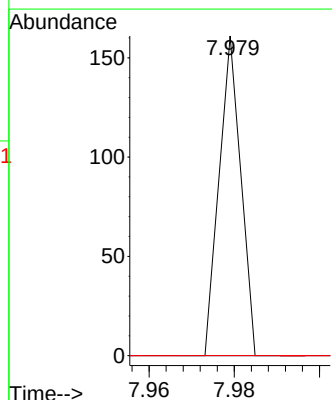
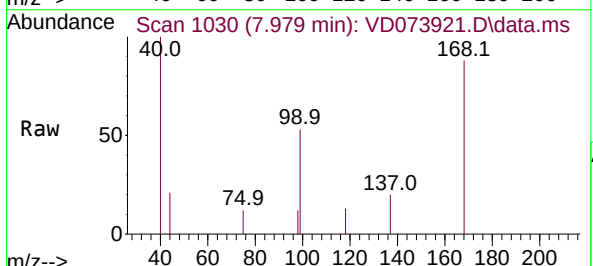
Tgt Ion: 75 Resp: 57

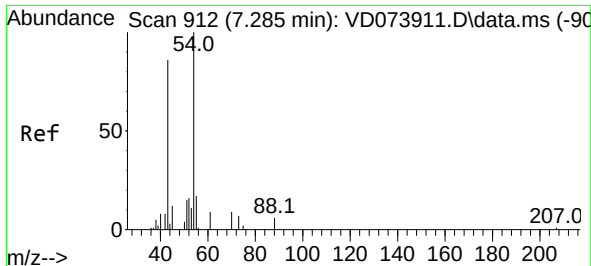
Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.047 ug/l

RT: 7.361 min Scan# 91

Delta R.T. 0.077 min

Lab File: VD073921.D

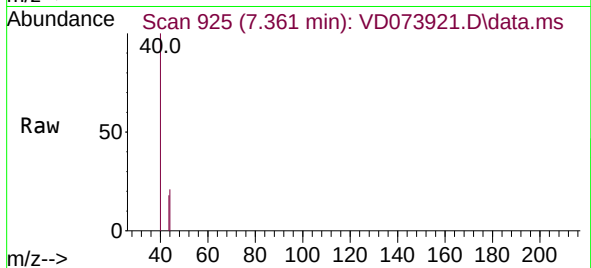
Acq: 02 Aug 2022 12:30

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MSVOA_D

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NSB06-14-15



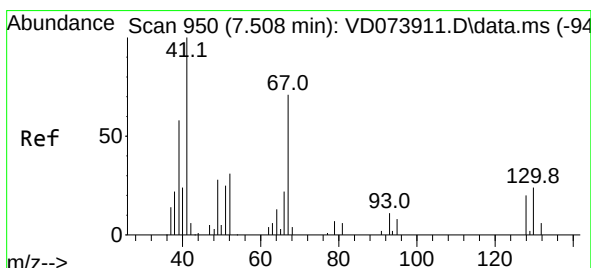
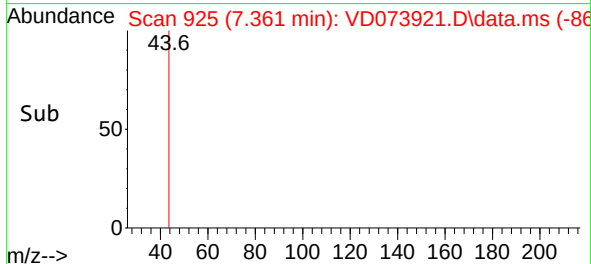
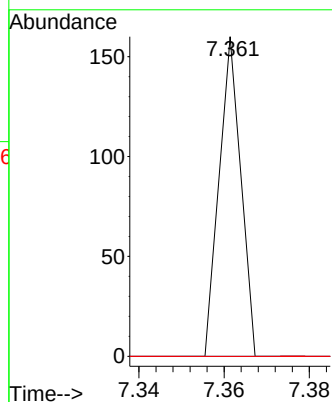
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 12.7 19.1#

70 0.0 9.4 14.0#



#41

Methacrylonitrile

Concen: 6.974 ug/l

RT: 7.585 min Scan# 963

Delta R.T. 0.077 min

Lab File: VD073921.D

Acq: 02 Aug 2022 12:30

Tgt Ion: 41 Resp: 74

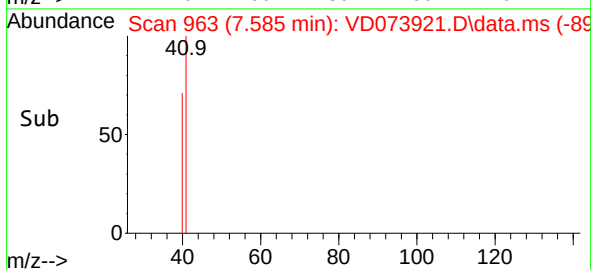
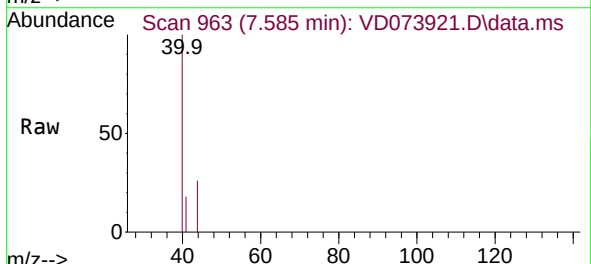
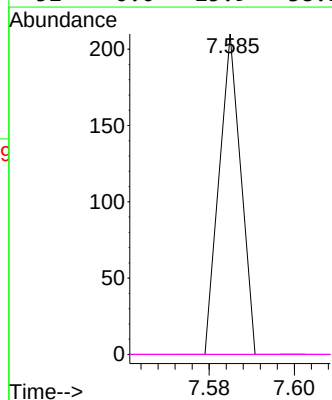
Ion Ratio Lower Upper

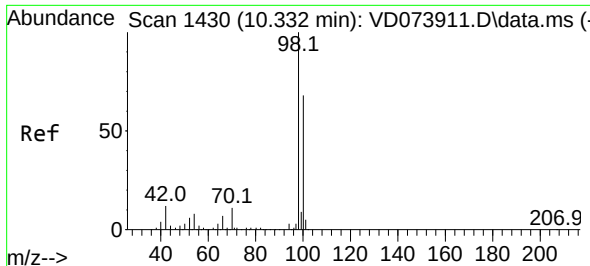
41 100

39 0.0 46.6 69.8#

67 0.0 61.0 91.4#

52 0.0 25.9 38.9#

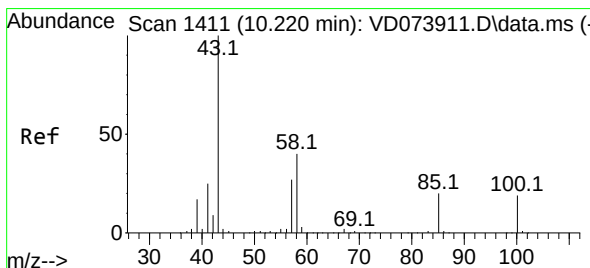
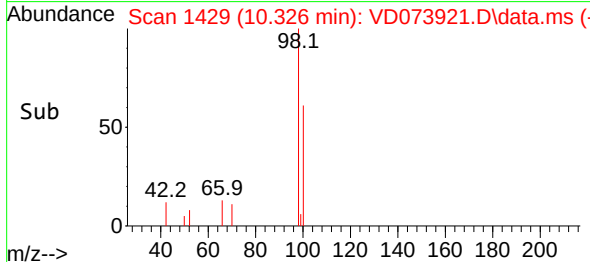
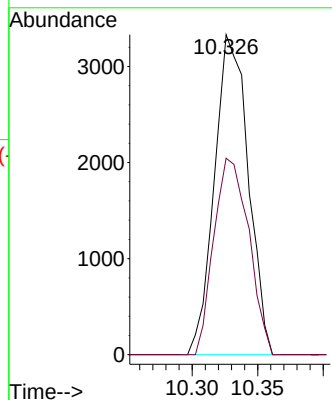
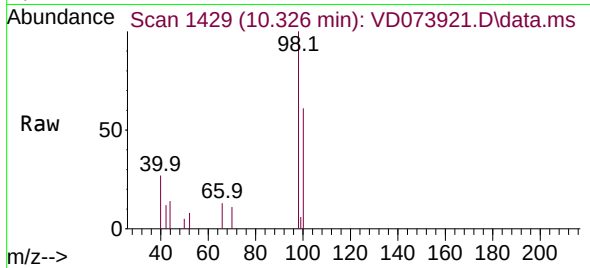




#50
Toluene-d8
Concen: 51.097 ug/l
RT: 10.326 min Scan# 1409
Delta R.T. -0.006 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

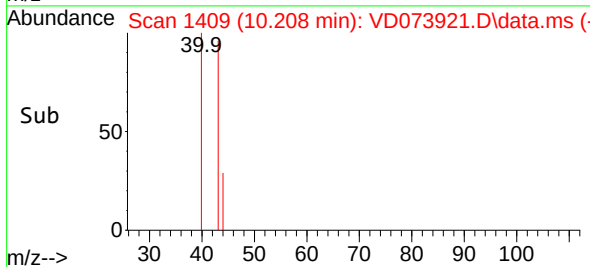
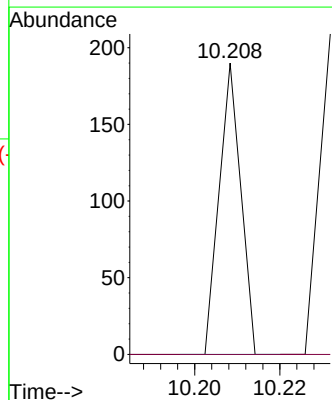
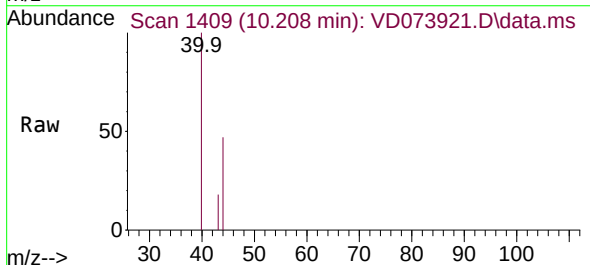
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

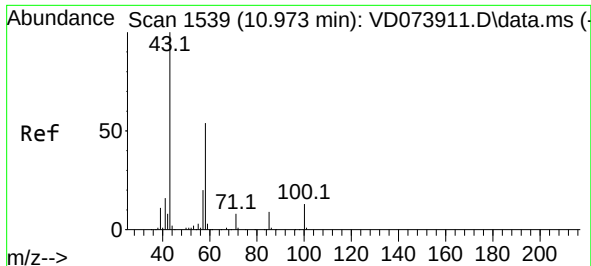
Tgt Ion: 98 Resp: 5964
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.687 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.012 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 32.1 48.1#

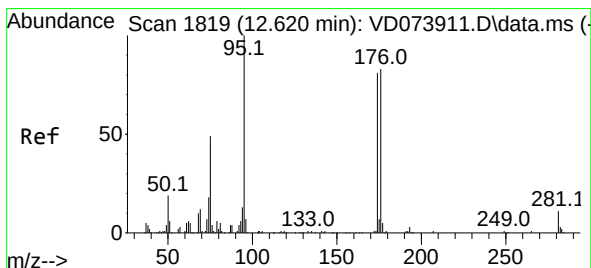
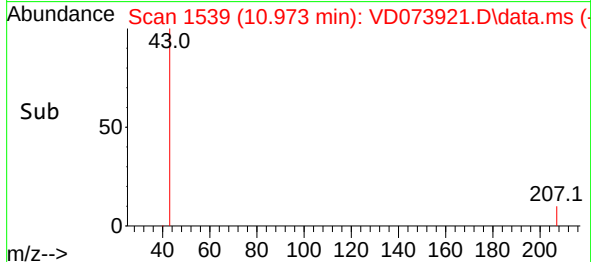
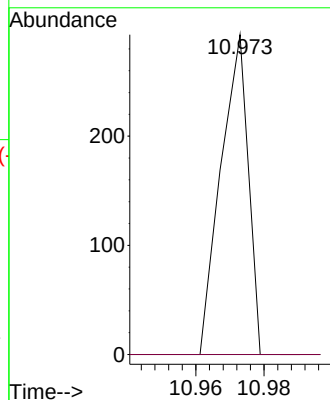
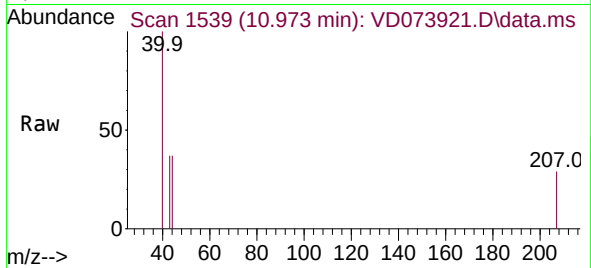




#59
2-Hexanone
Concen: 13.256 ug/l
RT: 10.973 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

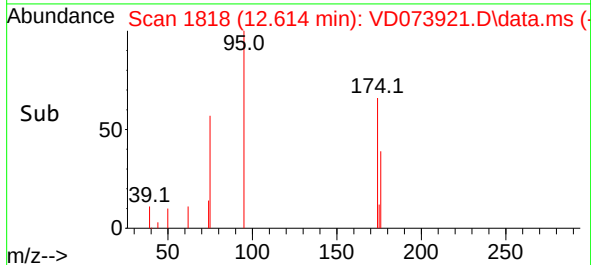
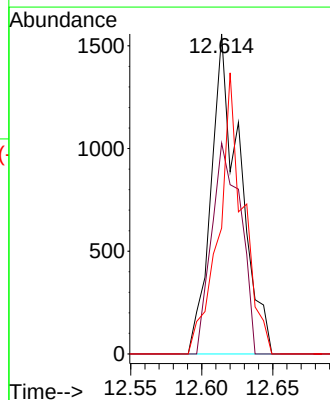
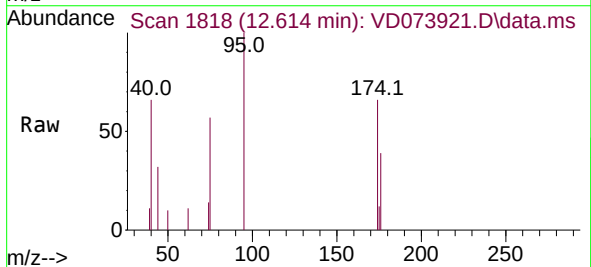
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

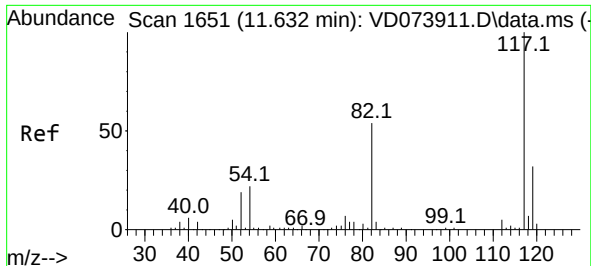
Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 51.185 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 95 Resp: 2197
Ion Ratio Lower Upper
95 100
174 66.1 0.0 164.2
176 74.6 0.0 161.4

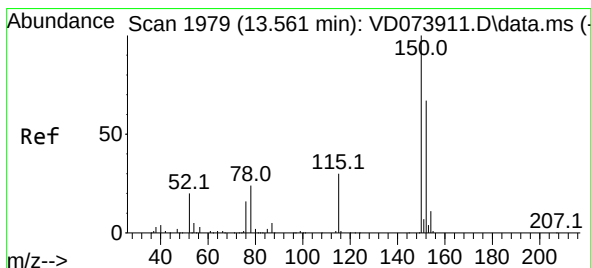
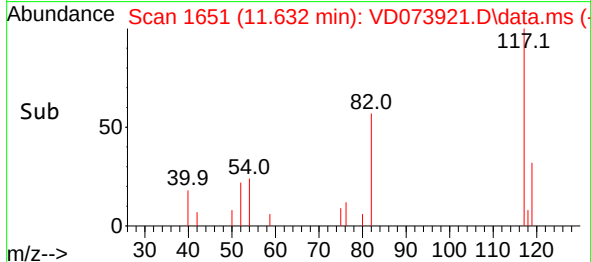
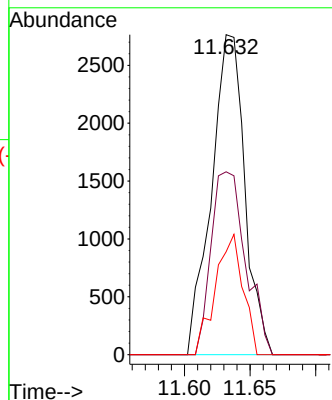
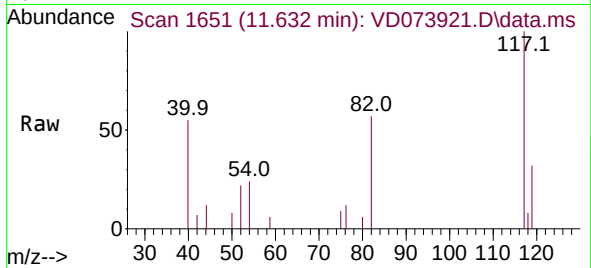




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

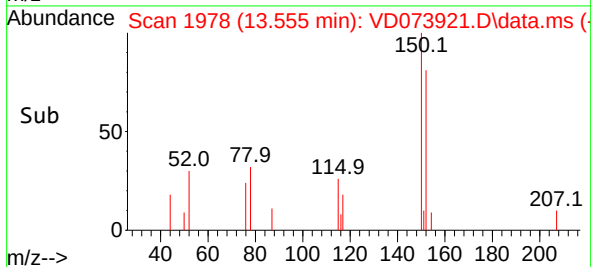
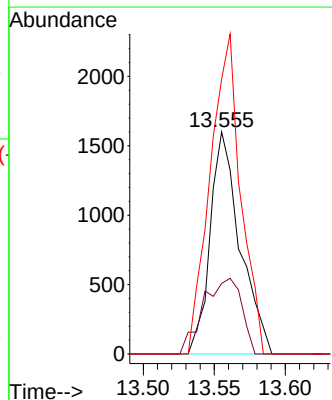
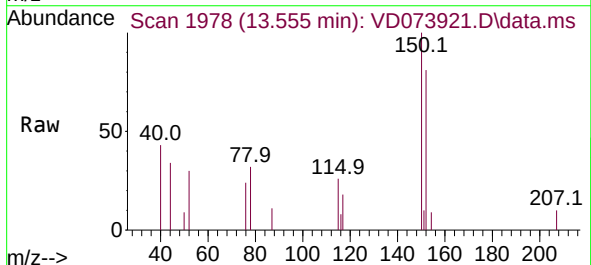
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

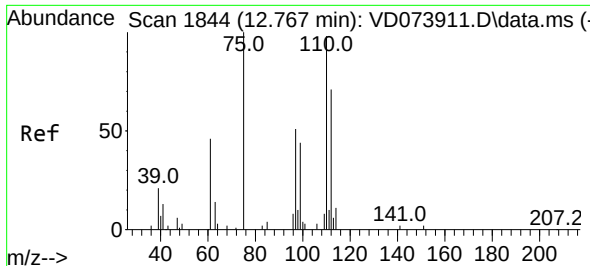
Tgt Ion:	117	Resp:	4888
Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.3	64.9
119	32.2	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion:	152	Resp:	2344
Ion	Ratio	Lower	Upper
152	100		
115	43.6	29.1	87.3
150	147.0	0.0	338.2

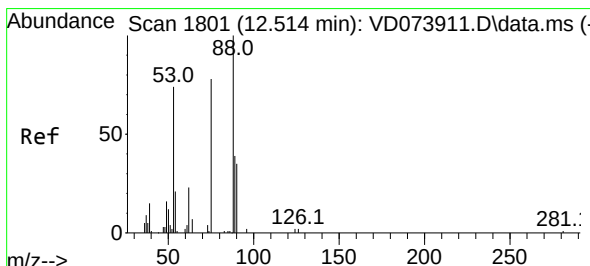
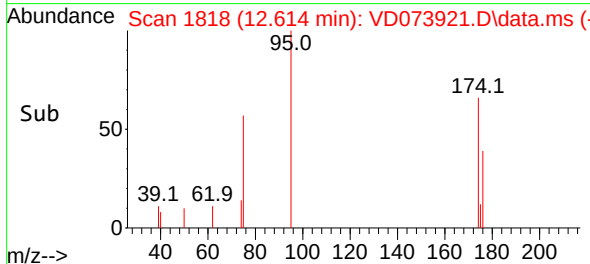
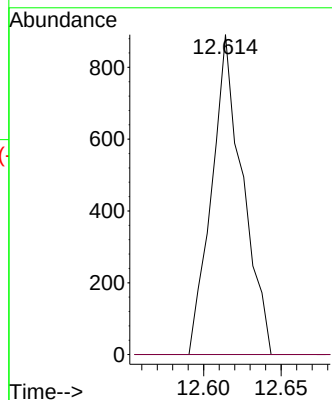
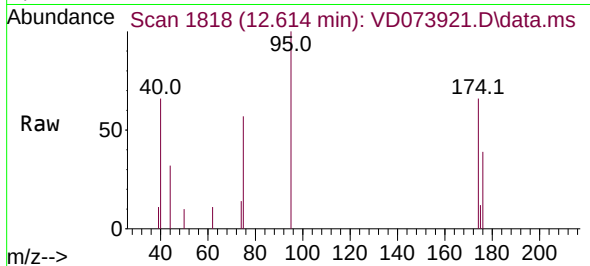




#76
1,2,3-Trichloropropane
Concen: 71.301 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

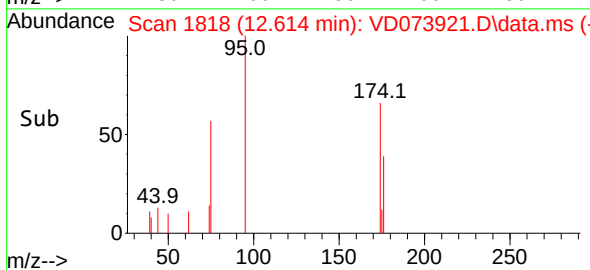
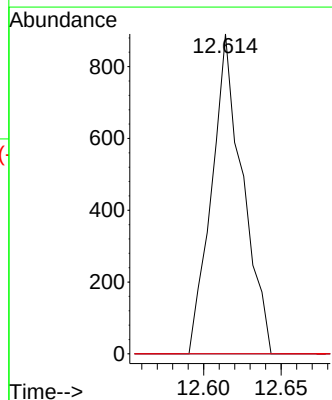
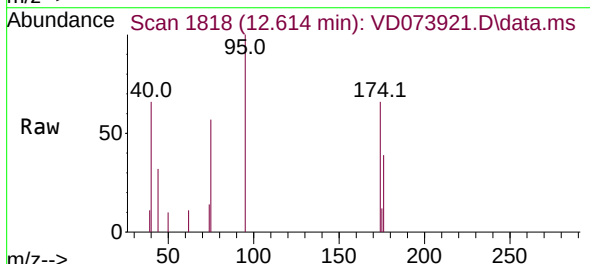
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

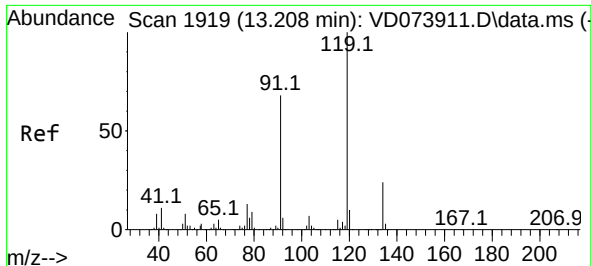
Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 151.526 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.0 39.8 59.6#

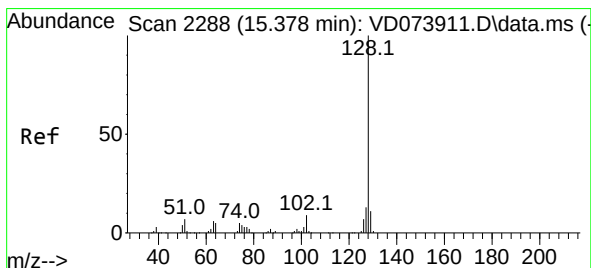
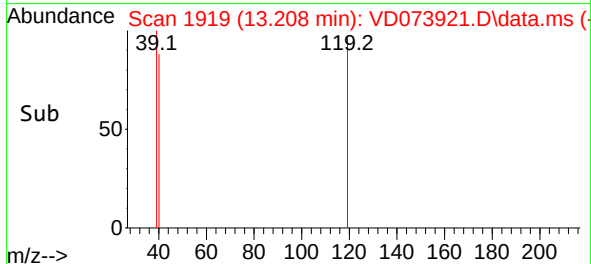
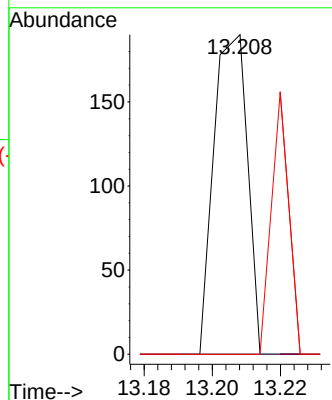
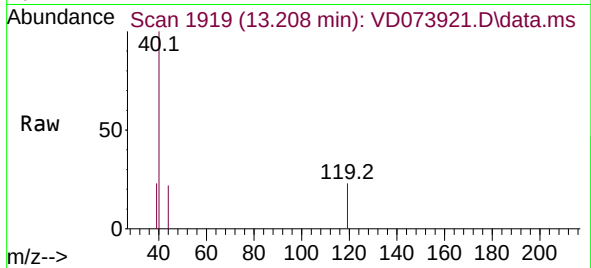




#83
tert-Butylbenzene
Concen: 1.087 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

Tgt Ion:119 Resp: 130
Ion Ratio Lower Upper
119 100
91 0.0 33.2 99.6#
134 42.3 13.6 40.8#



#95
Naphthalene
Concen: 1.102 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.006 min
Lab File: VD073921.D
Acq: 02 Aug 2022 12:30

Tgt Ion:128 Resp: 85
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.9 13.3#

