

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073929.D
 Acq On : 02 Aug 2022 16:27
 Operator : VA/SY
 Sample : N3947-01RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB06-14-15

Quant Time: Aug 03 04:13:39 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)

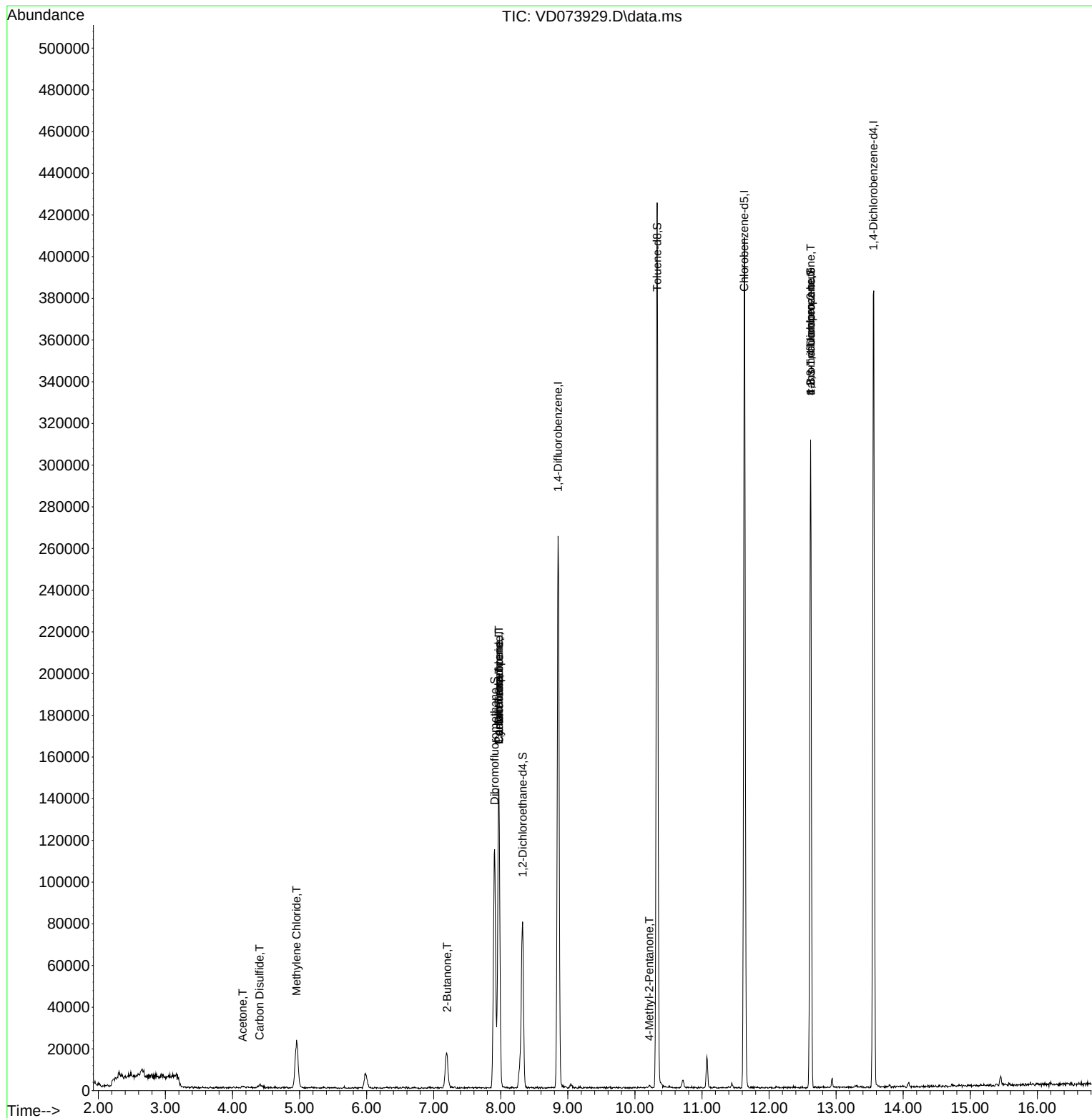
Internal Standards						
1) Pentafluorobenzene	7.973	168	104530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	225054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	226338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	99993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	63216	75.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.800%	
35) Dibromofluoromethane	7.908	113	79380	56.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.540%	
50) Toluene-d8	10.332	98	287653	61.071	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 122.140%	
62) 4-Bromofluorobenzene	12.620	95	97347	56.201	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	258	Below Cal	#	43
11) Tert butyl alcohol	5.232	59	77	Below Cal	#	75
16) Acetone	4.150	43	1924	18.179	ug/l #	67
17) Carbon Disulfide	4.403	76	3344	2.904	ug/l #	75
18) Methyl Acetate	4.467	43	57	Below Cal	#	48
20) Methylene Chloride	4.956	84	17533	2.943	ug/l	96
25) 2-Butanone	7.202	43	749	2.936	ug/l #	46
31) Cyclohexane	7.973	56	2679	1.655	ug/l #	55
36) 1,1-Dichloropropene	7.973	75	9239	4.639	ug/l #	48
38) Carbon Tetrachloride	7.973	117	10909	4.890	ug/l #	14
51) 4-Methyl-2-Pentanone	10.214	43	894	1.219	ug/l #	72
76) 1,2,3-Trichloropropane	12.620	75	52644	71.065	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	52644	151.044	ug/l #	13

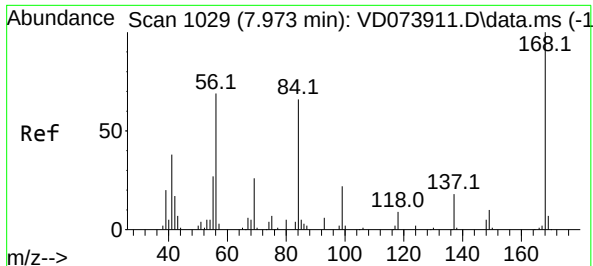
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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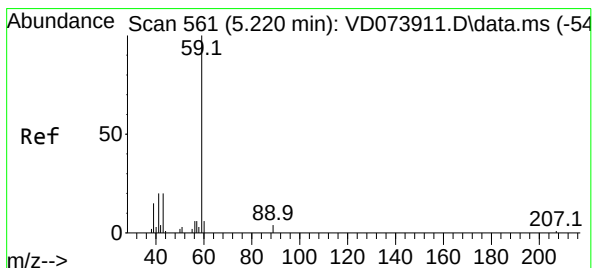
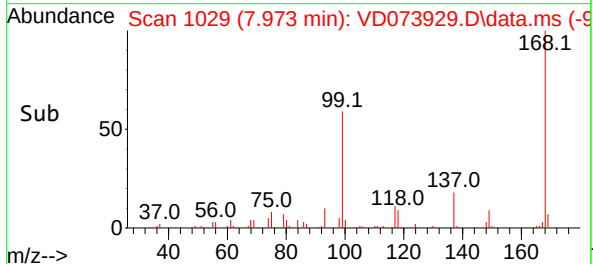
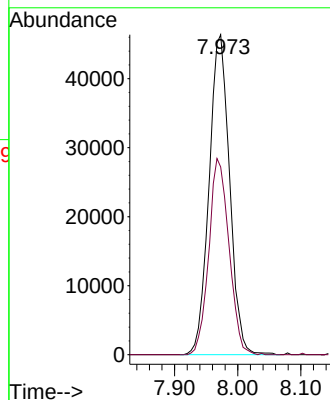
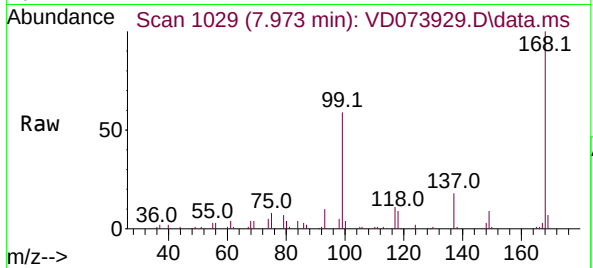




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

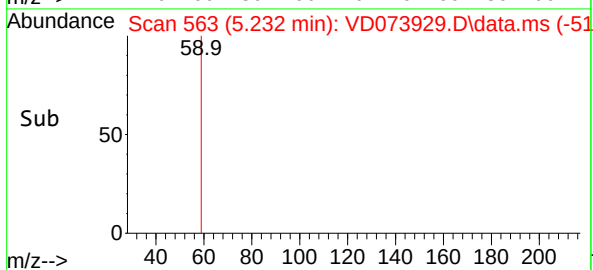
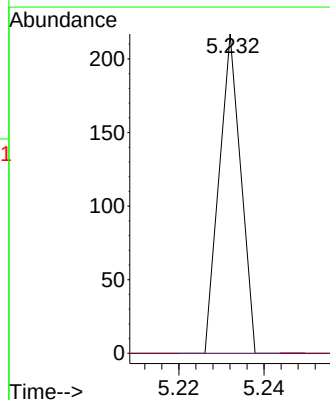
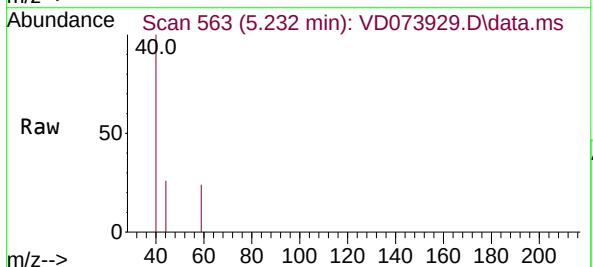
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

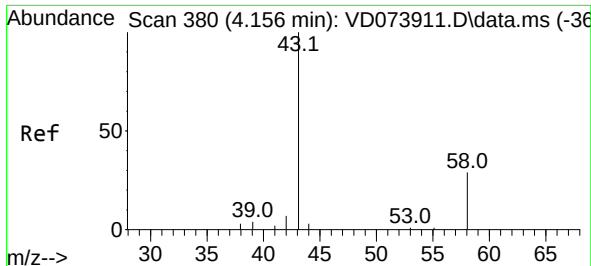
Tgt Ion:168 Resp: 104530
Ion Ratio Lower Upper
168 100
99 58.7 52.2 78.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 18.179 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

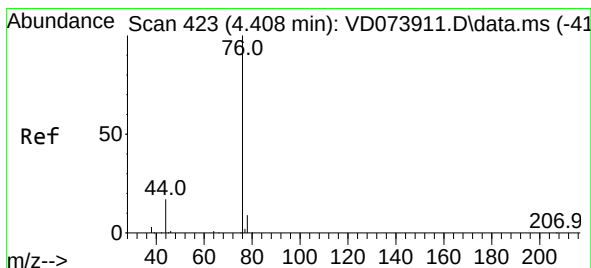
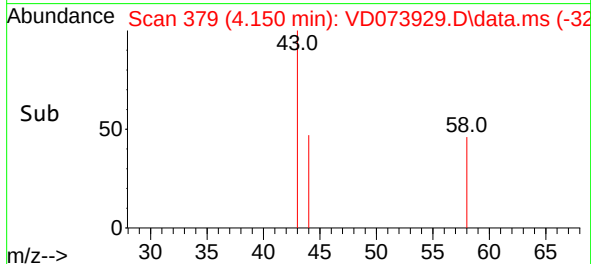
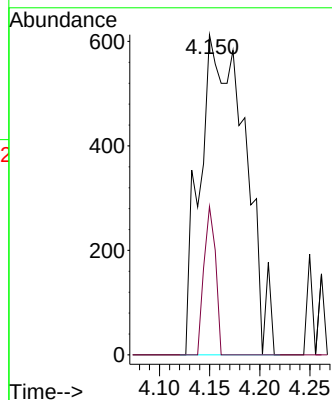
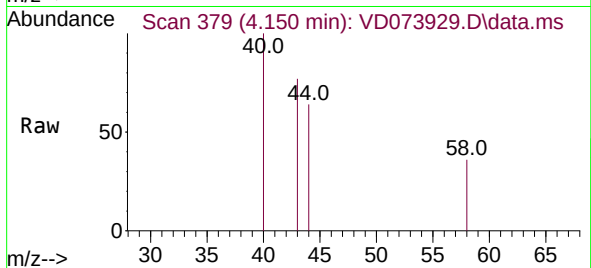
NSB06-14-15

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

43 100

58 46.3 23.0 34.6#



#17

Carbon Disulfide

Concen: 2.904 ug/l

RT: 4.403 min Scan# 422

Delta R.T. -0.005 min

Lab File: VD073929.D

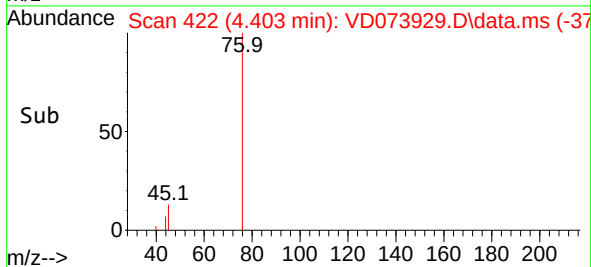
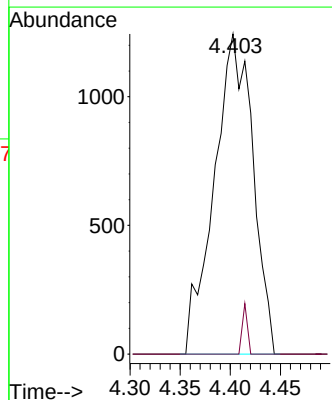
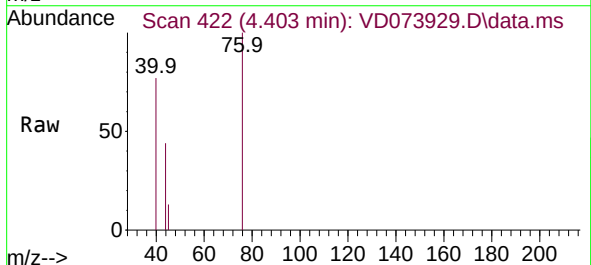
Acq: 02 Aug 2022 16:27

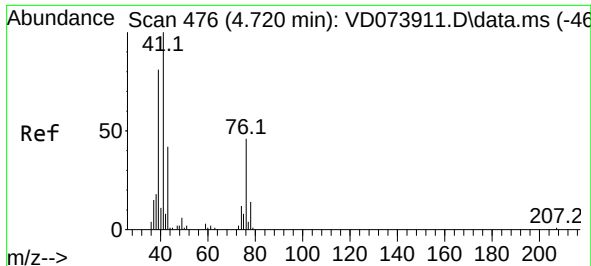
Tgt Ion: 76 Resp: 3344

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.467 min Scan# 41

Delta R.T. -0.253 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

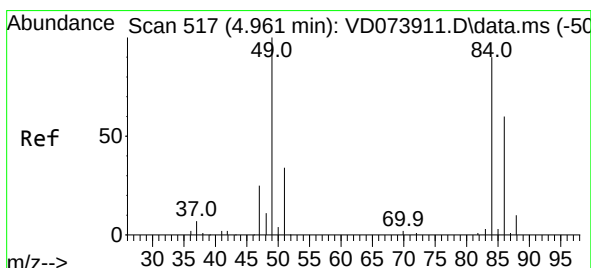
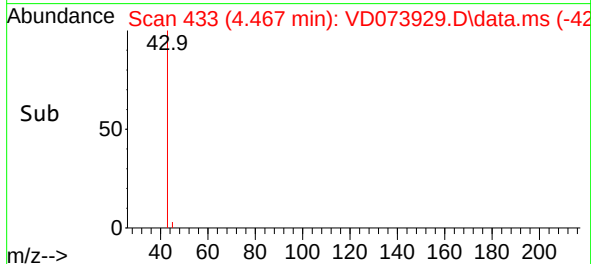
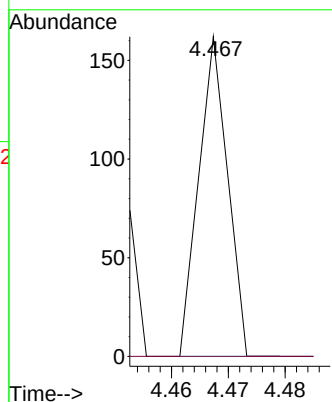
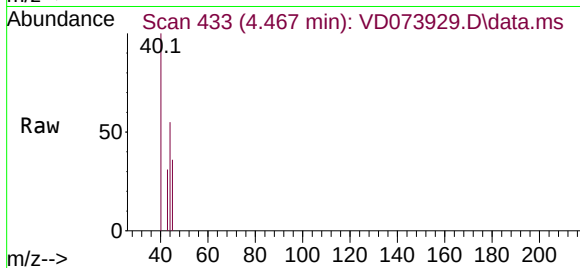
NSB06-14-15

Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 21.2 31.8#



#20

Methylene Chloride

Concen: 2.943 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.005 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Tgt Ion: 84 Resp: 17533

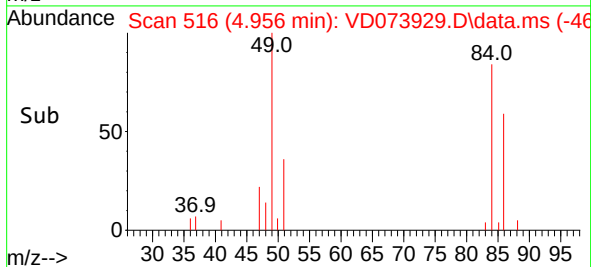
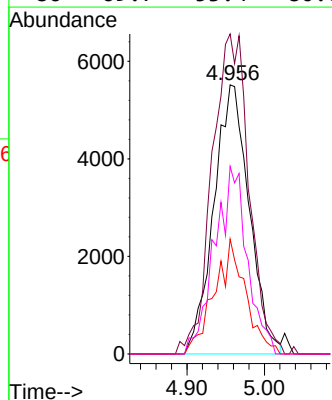
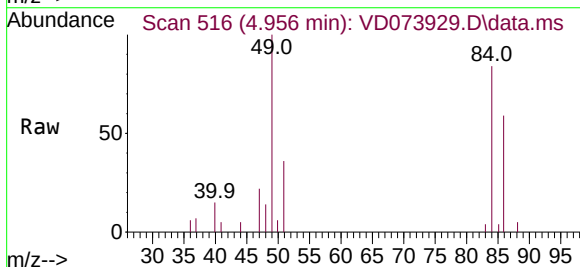
Ion Ratio Lower Upper

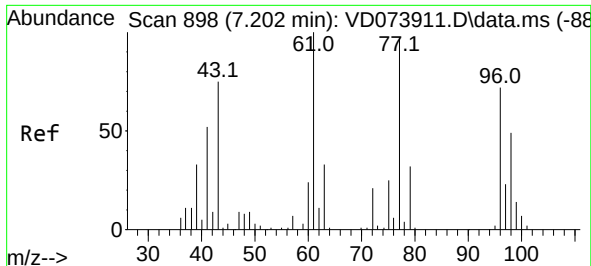
84 100

49 115.1 89.1 133.7

51 42.7 29.8 44.8

86 69.7 53.4 80.0





#25

2-Butanone

Concen: 2.936 ug/l

RT: 7.202 min Scan# 89

Delta R.T. 0.000 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

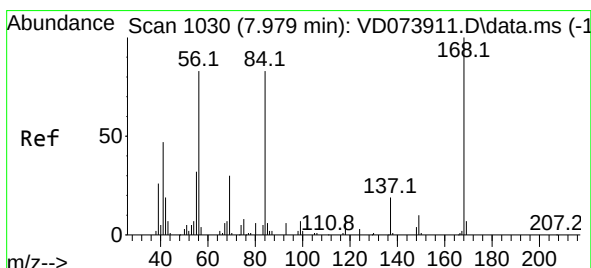
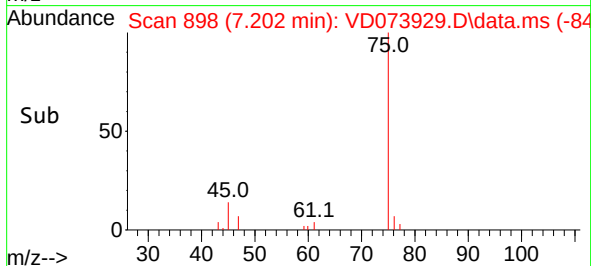
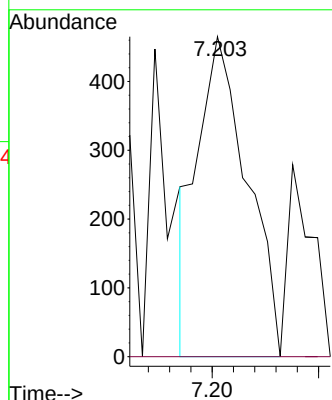
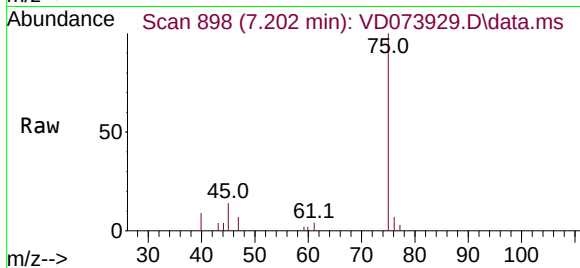
NSB06-14-15

Tgt Ion: 43 Resp: 749

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#31

Cyclohexane

Concen: 1.655 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

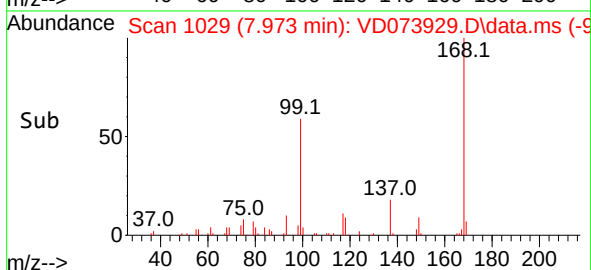
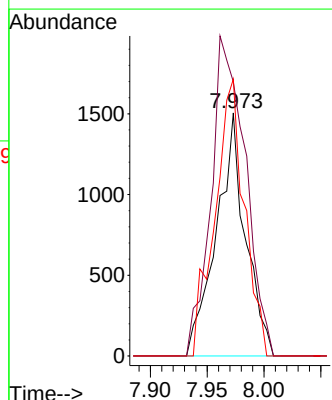
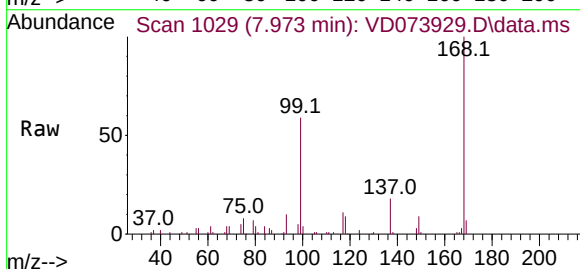
Tgt Ion: 56 Resp: 2679

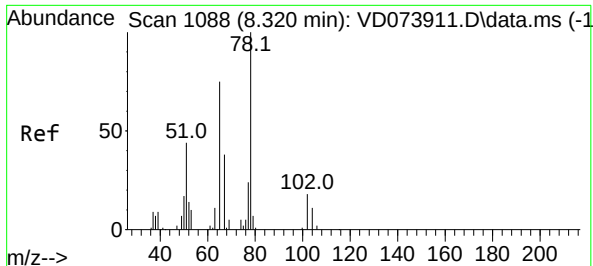
Ion Ratio Lower Upper

56 100

69 112.9 29.2 43.8#

84 114.0 80.0 120.0





#33

1,2-Dichloroethane-d4

Concen: 75.895 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

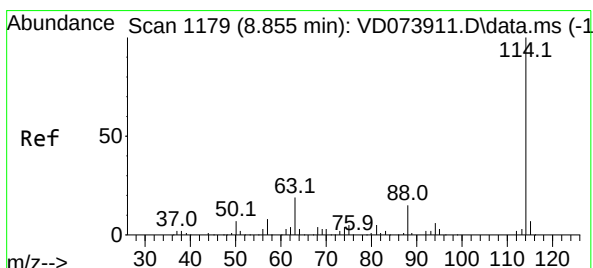
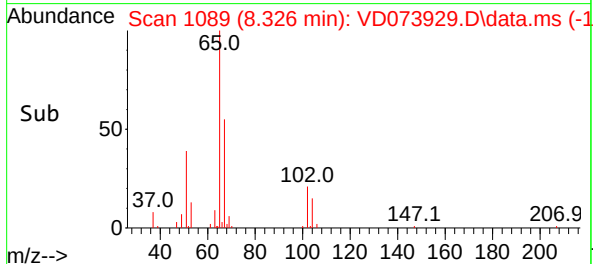
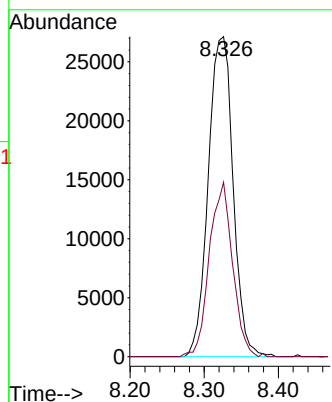
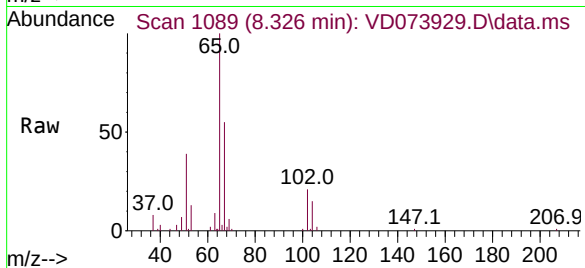
NSB06-14-15

Tgt Ion: 65 Resp: 63216

Ion Ratio Lower Upper

65 100

67 50.9 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: VD073929.D

Acq: 02 Aug 2022 16:27

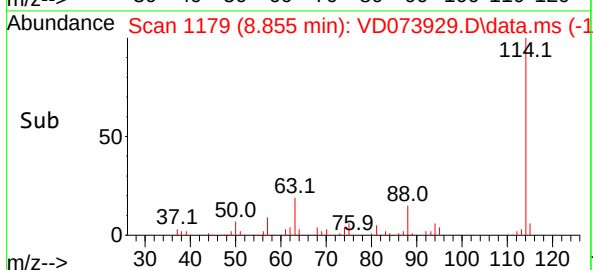
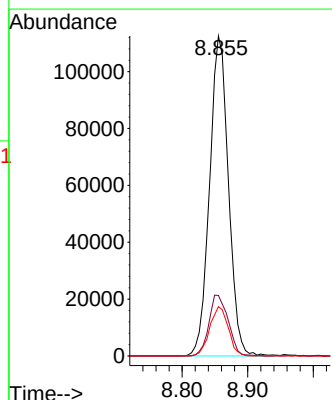
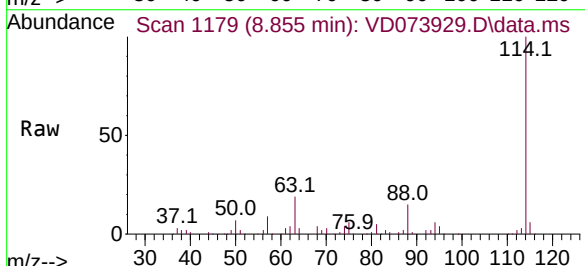
Tgt Ion: 114 Resp: 225054

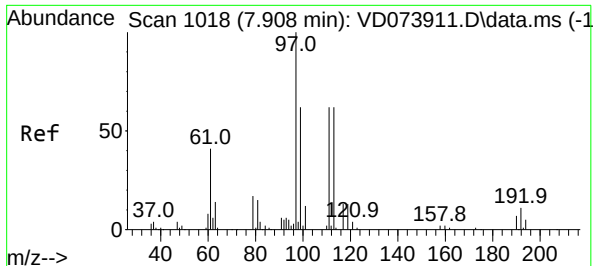
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 56.769 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

NSB06-14-15

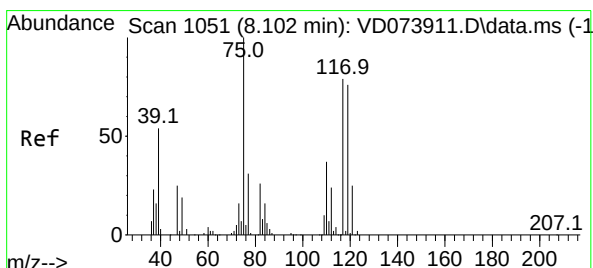
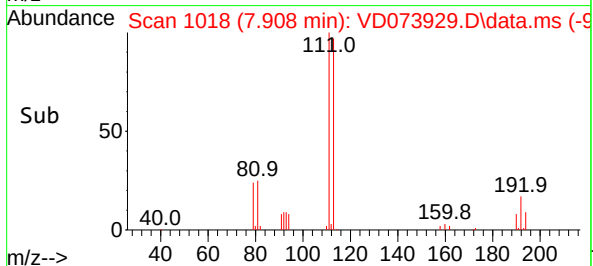
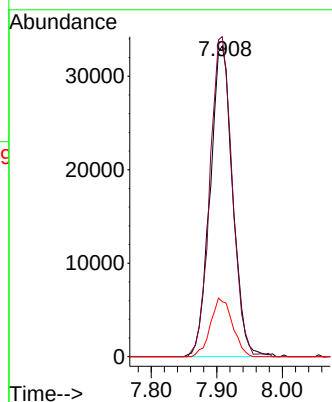
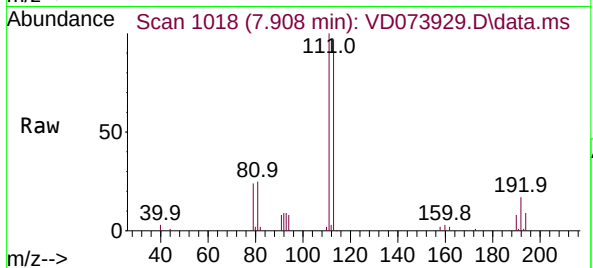
Tgt Ion:113 Resp: 79380

Ion Ratio Lower Upper

113 100

111 101.5 83.7 125.5

192 18.3 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073929.D

Acq: 02 Aug 2022 16:27

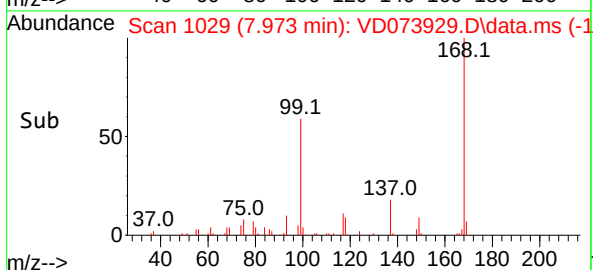
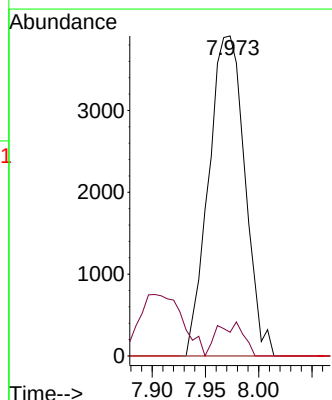
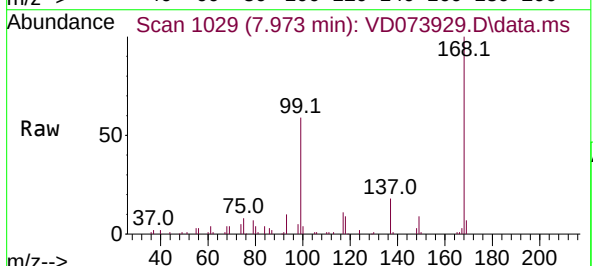
Tgt Ion: 75 Resp: 9239

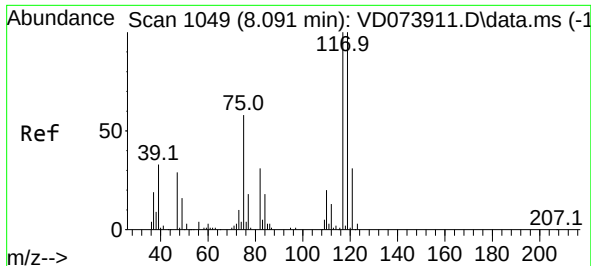
Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.1#

77 0.0 24.7 37.1#

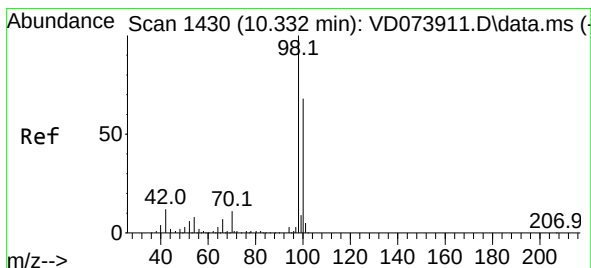
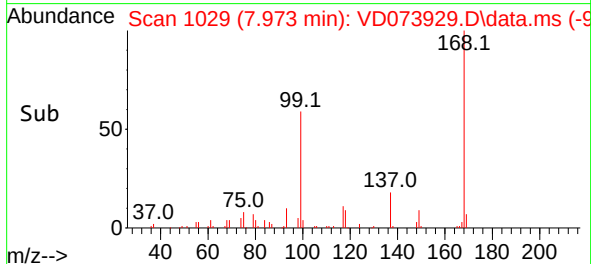
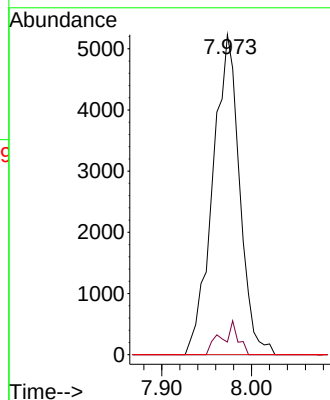
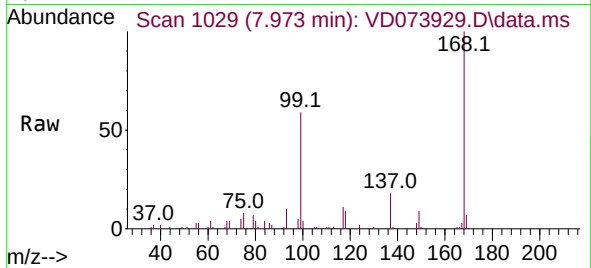




#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

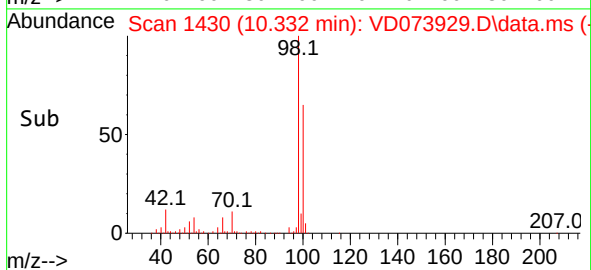
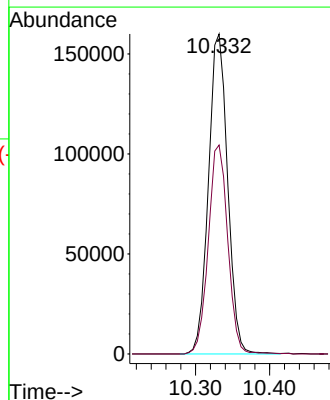
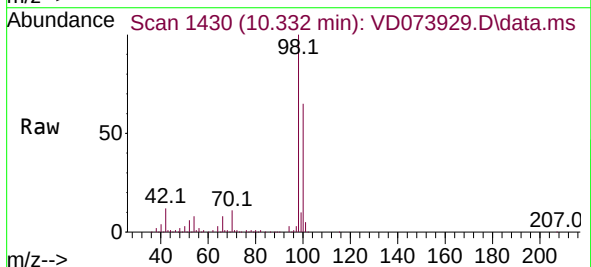
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

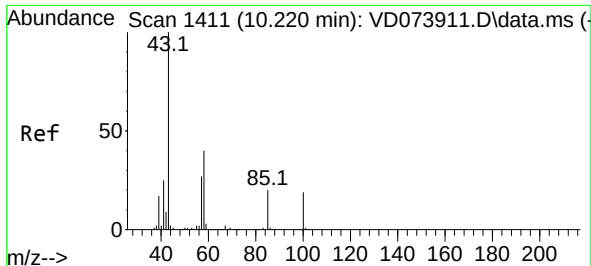
Tgt Ion:117 Resp: 10909
Ion Ratio Lower Upper
117 100
119 3.9 79.6 119.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 61.071 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

Tgt Ion: 98 Resp: 287653
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

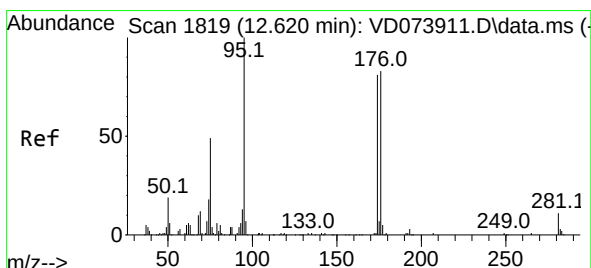
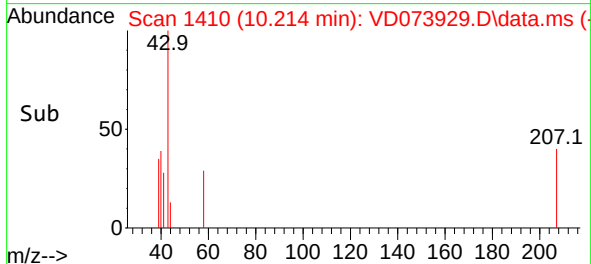
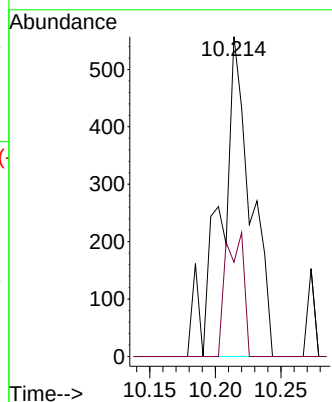
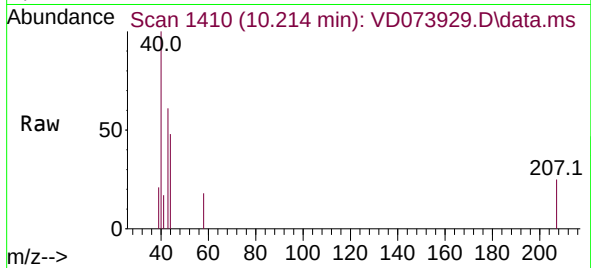




#51
4-Methyl-2-Pentanone
Concen: 1.219 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

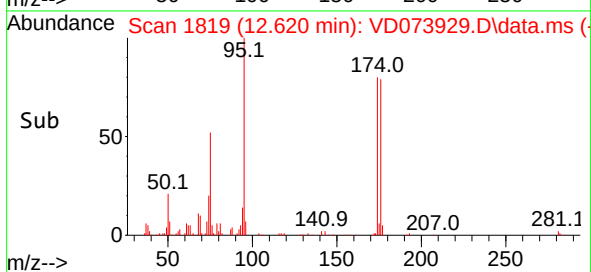
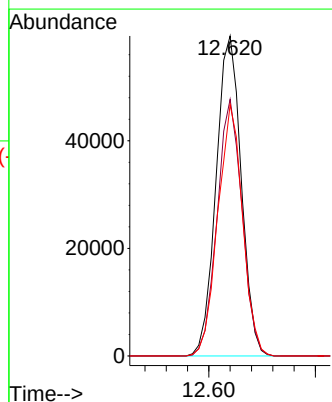
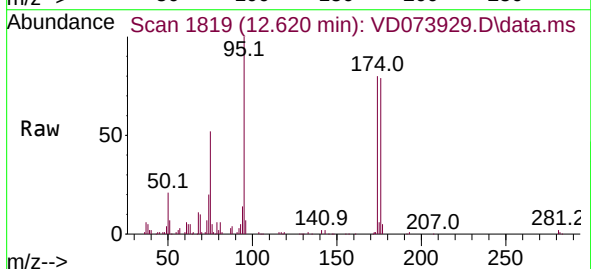
Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

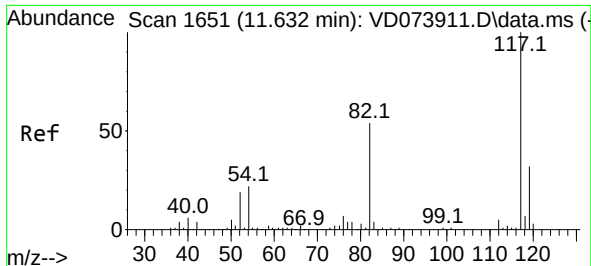
Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 22.8 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 56.201 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

Tgt Ion: 95 Resp: 97347
Ion Ratio Lower Upper
95 100
174 79.6 0.0 164.2
176 77.3 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: VD073929.D

Acq: 02 Aug 2022 16:27

Instrument :

MSVOA_D

ClientSampleId :

NSB06-14-15

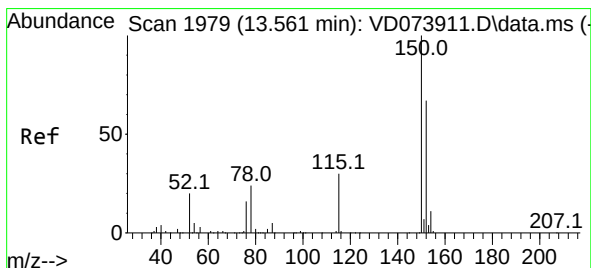
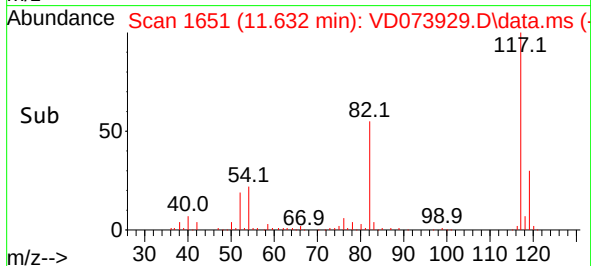
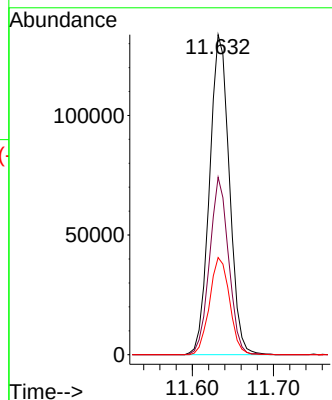
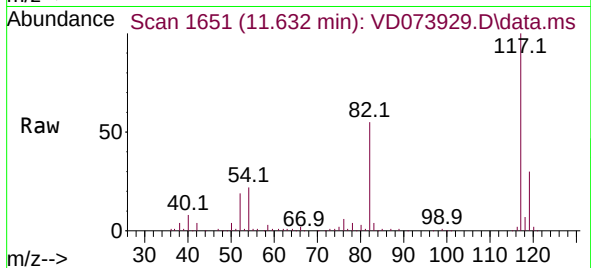
Tgt Ion:117 Resp: 226338

Ion Ratio Lower Upper

117 100

82 55.4 43.3 64.9

119 30.3 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: VD073929.D

Acq: 02 Aug 2022 16:27

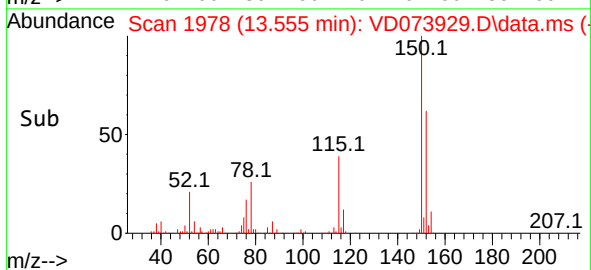
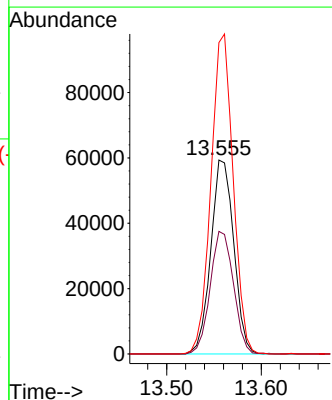
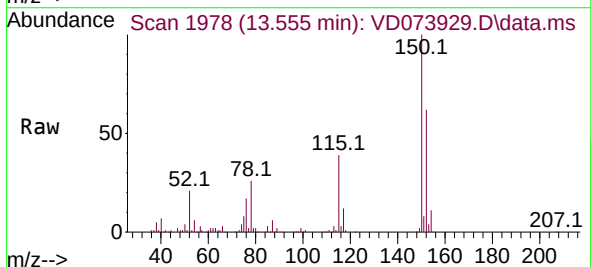
Tgt Ion:152 Resp: 99993

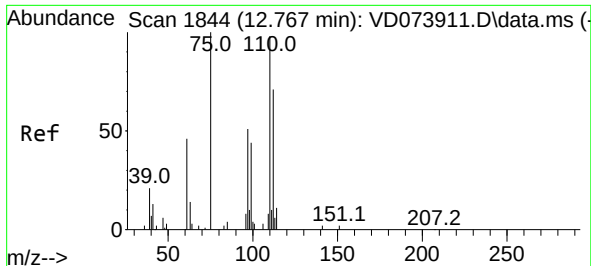
Ion Ratio Lower Upper

152 100

115 64.0 29.1 87.3

150 159.5 0.0 338.2

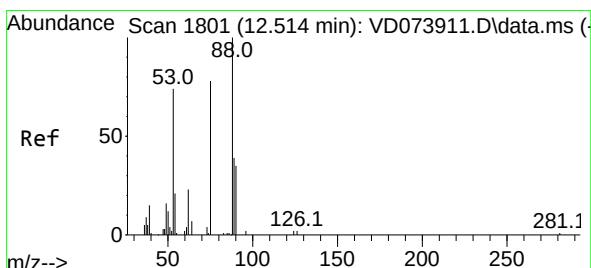
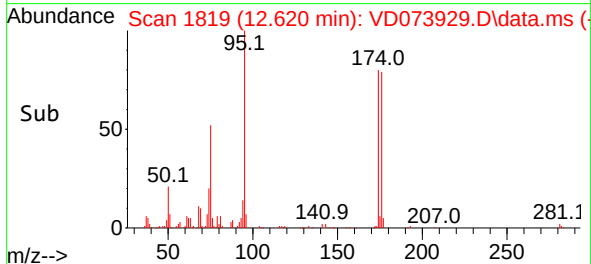
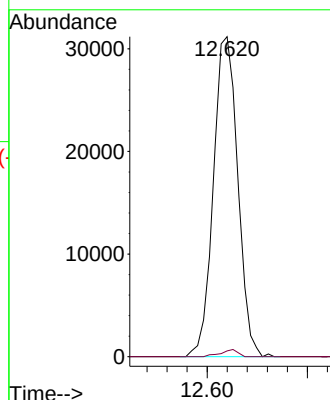
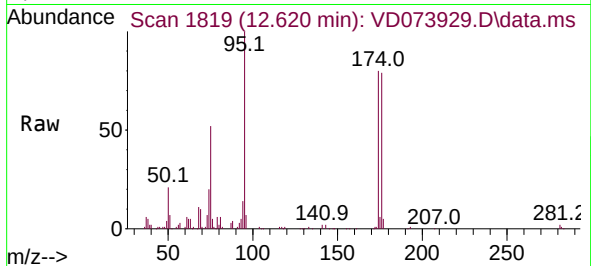




#76
1,2,3-Trichloropropane
Concen: 71.065 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

Instrument :
MSVOA_D
ClientSampleId :
NSB06-14-15

Tgt Ion: 75 Resp: 52644
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.044 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073929.D
Acq: 02 Aug 2022 16:27

Tgt Ion: 75 Resp: 52644
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.0 39.8 59.6#

