

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073922.D
 Acq On : 02 Aug 2022 12:59
 Operator : VA/SY
 Sample : N3947-02
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB07-14-15

Quant Time: Aug 03 04:11:40 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)

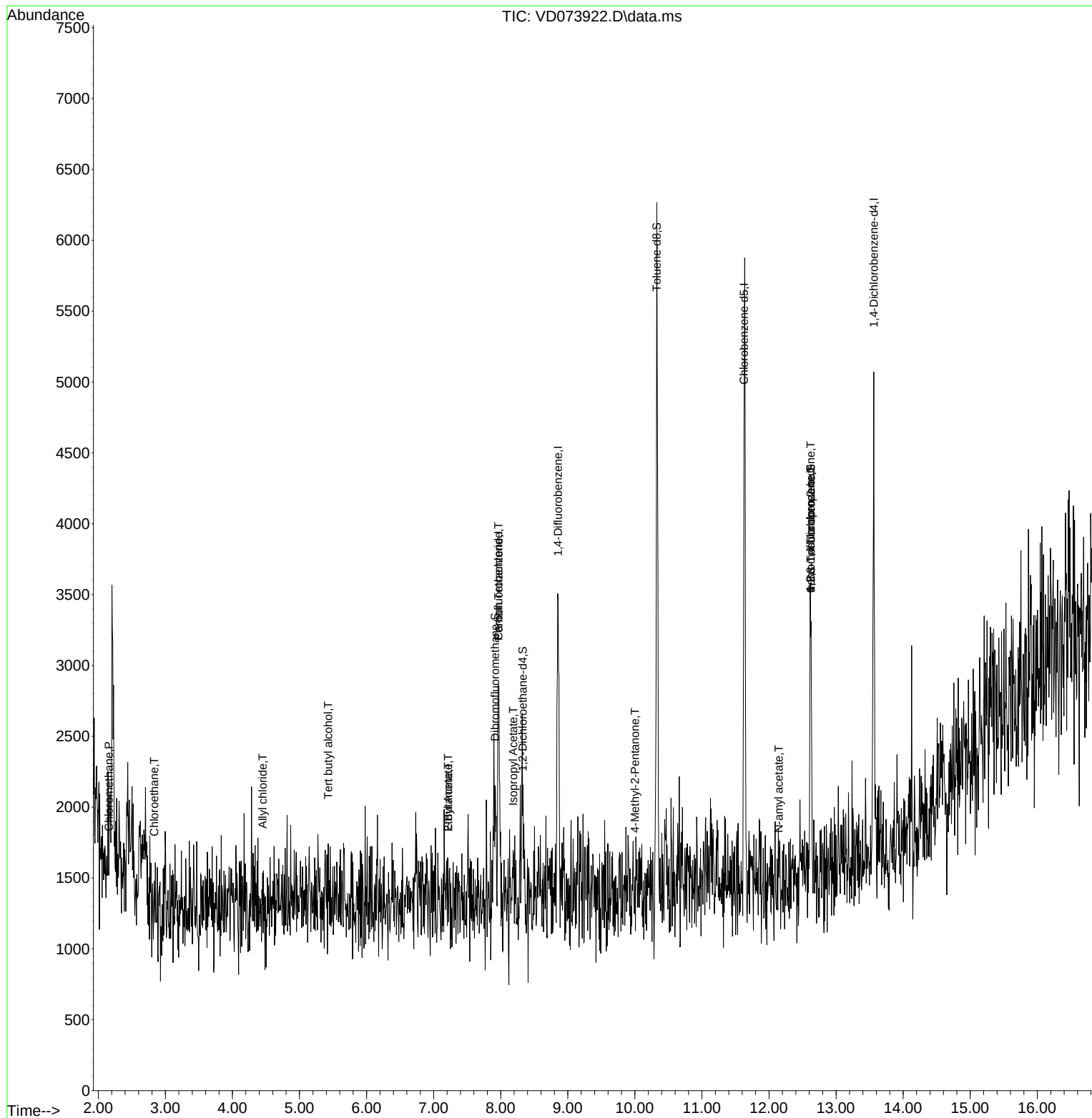
Internal Standards						
1) Pentafluorobenzene	7.967	168	1489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	2777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.626	117	2314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	886	74.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.180%	
35) Dibromofluoromethane	7.914	113	868	50.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.620%	
50) Toluene-d8	10.326	98	3451	59.378	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.760%	
62) 4-Bromofluorobenzene	12.620	95	898	42.016	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.156	50	54	2.854	ug/l #	40
6) Chloroethane	2.832	64	81	4.936	ug/l #	42
11) Tert butyl alcohol	5.426	59	57	48.606	ug/l #	75
14) Allyl chloride	4.450	41	58	3.265	ug/l #	18
20) Methylene Chloride	4.968	84	65	Below Cal	#	60
25) 2-Butanone	7.214	43	60	16.510	ug/l #	46
37) Ethyl Acetate	7.214	43	60	6.556	ug/l #	66
38) Carbon Tetrachloride	7.967	117	58	2.107	ug/l #	11
43) Isopropyl Acetate	8.185	43	53	2.924	ug/l #	50
51) 4-Methyl-2-Pentanone	10.003	43	55	6.079	ug/l #	35
74) N-amyl acetate	12.144	43	58	5.916	ug/l #	41
76) 1,2,3-Trichloropropane	12.620	75	513	98.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	513	207.293	ug/l #	13

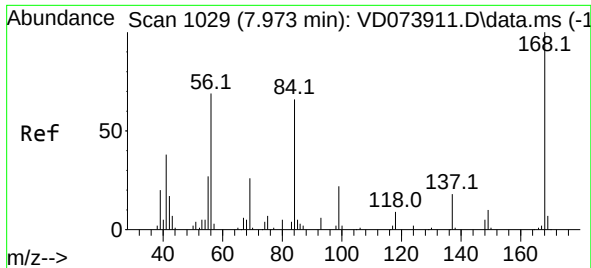
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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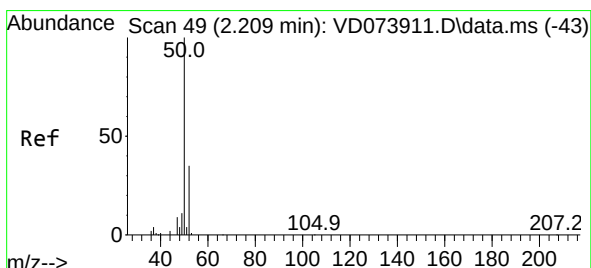
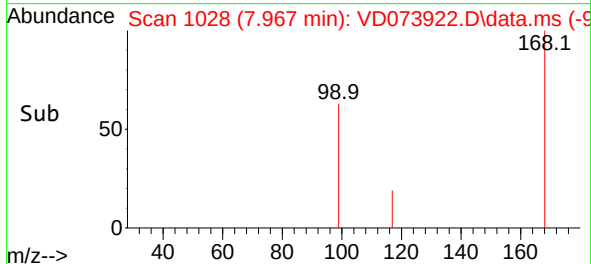
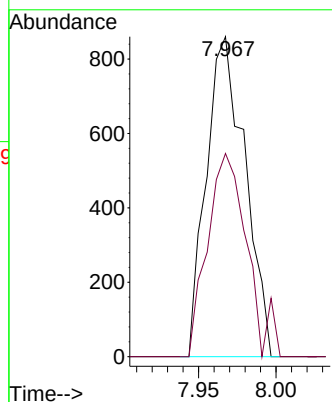
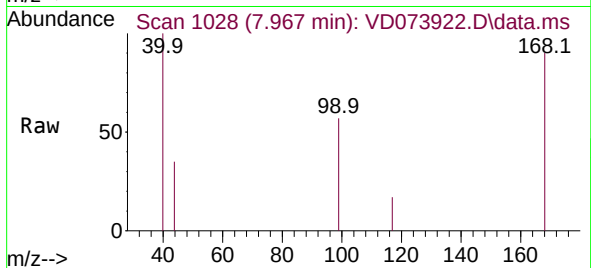




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

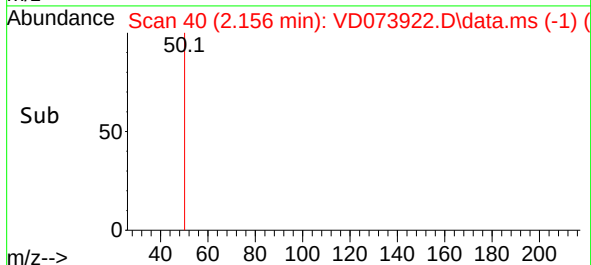
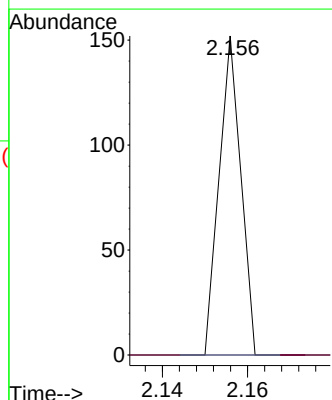
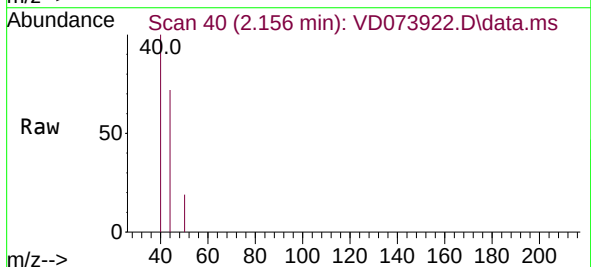
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

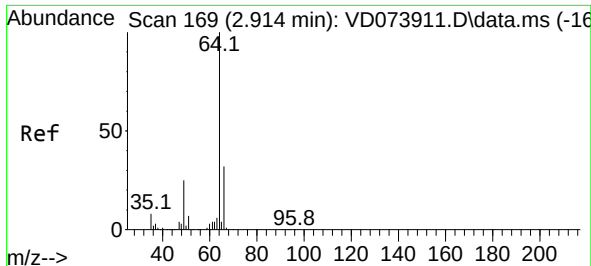
Tgt Ion:168 Resp: 1489
Ion Ratio Lower Upper
168 100
99 63.5 52.2 78.4



#3
Chloromethane
Concen: 2.854 ug/l
RT: 2.156 min Scan# 40
Delta R.T. -0.053 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

Tgt Ion: 50 Resp: 54
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#

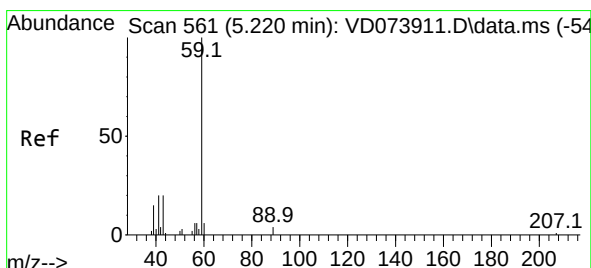
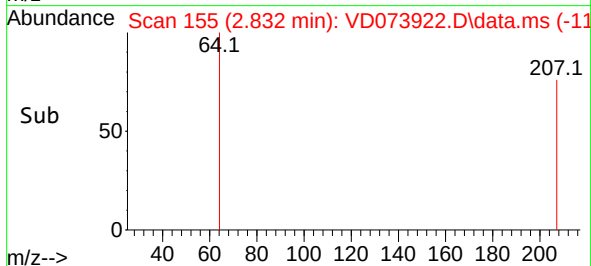
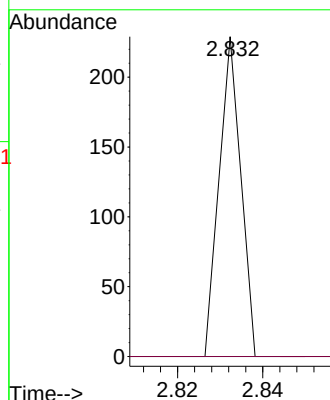
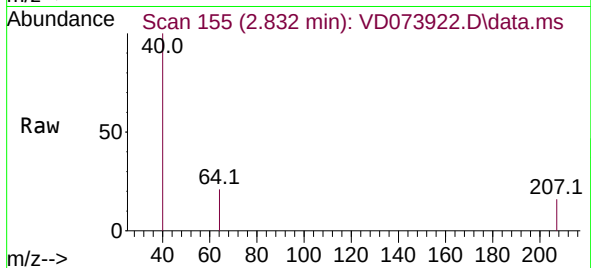




#6
Chloroethane
Concen: 4.936 ug/l
RT: 2.832 min Scan# 11
Delta R.T. -0.082 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

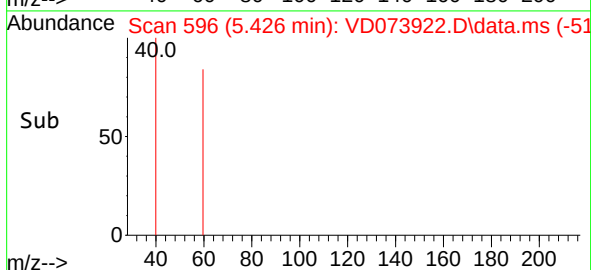
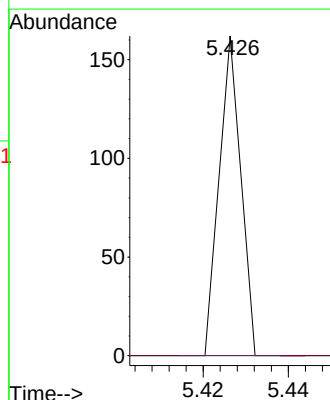
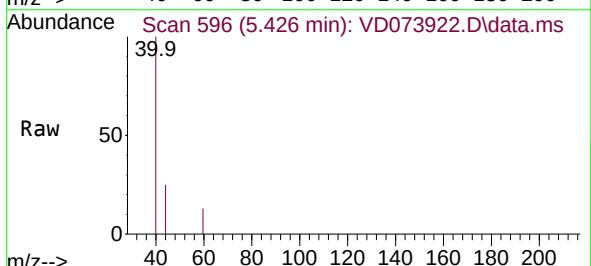
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

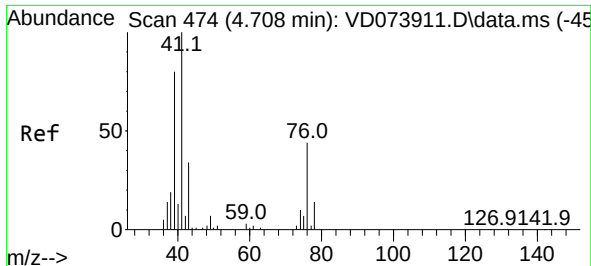
Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#



#11
Tert butyl alcohol
Concen: 48.606 ug/l
RT: 5.426 min Scan# 596
Delta R.T. 0.206 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

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





#14

Allyl chloride

Concen: 3.265 ug/l

RT: 4.450 min Scan# 41

Delta R.T. -0.259 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

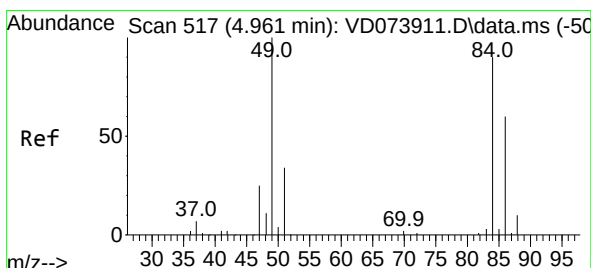
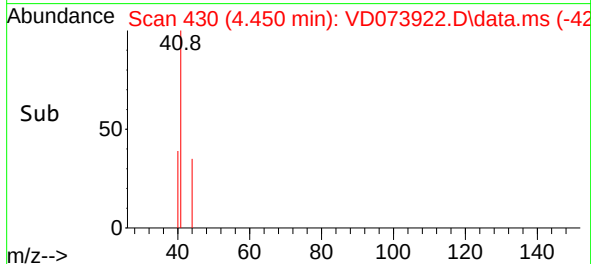
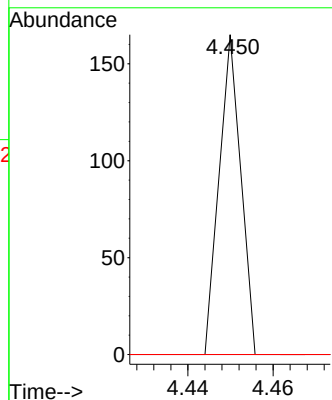
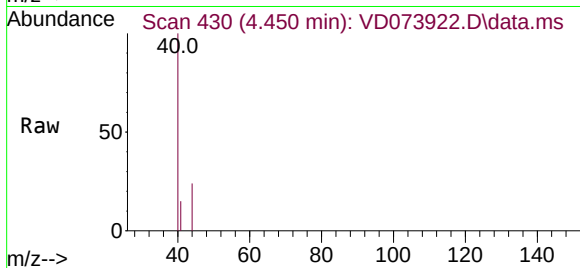
Instrument :

MSVOA_D

ClientSampleId :

NSB07-14-15

Tgt Ion: 41	Resp: 58
Ion Ratio	Lower Upper
41 100	
39 0.0	62.6 94.0#
76 0.0	33.9 50.9#



#20

Methylene Chloride

Concen: Below Cal

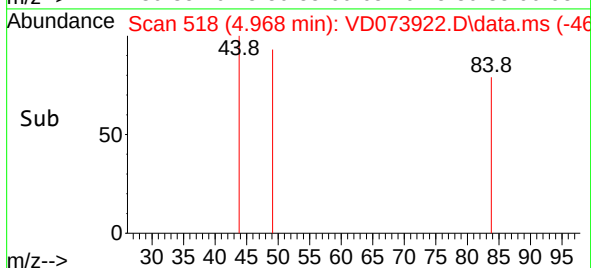
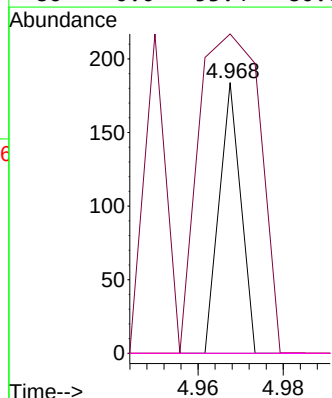
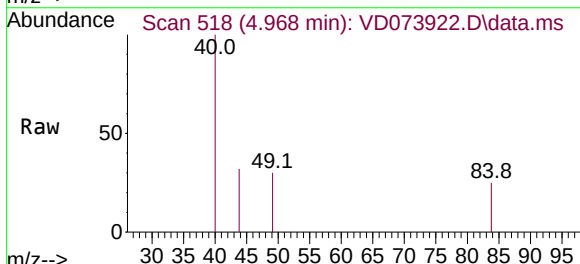
RT: 4.968 min Scan# 518

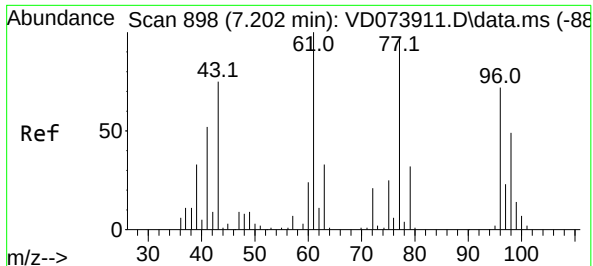
Delta R.T. 0.006 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

Tgt Ion: 84	Resp: 65
Ion Ratio	Lower Upper
84 100	
49 117.9	89.1 133.7
51 0.0	29.8 44.8#
86 0.0	53.4 80.0#





#25

2-Butanone

Concen: 16.510 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.012 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

Instrument :

MSVOA_D

ClientSampleId :

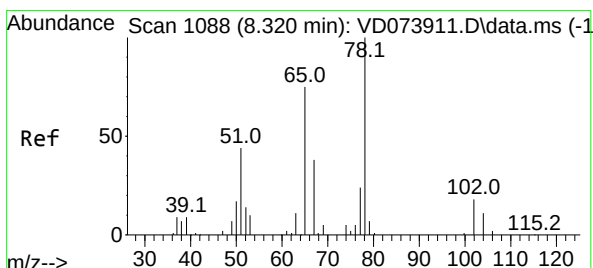
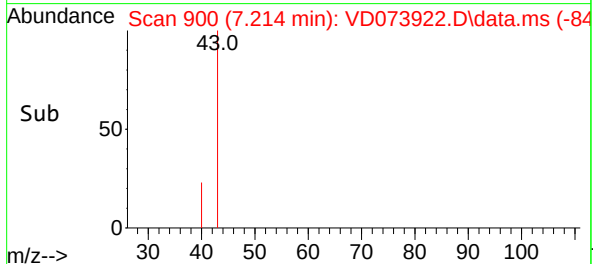
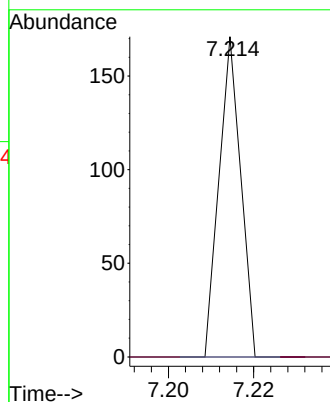
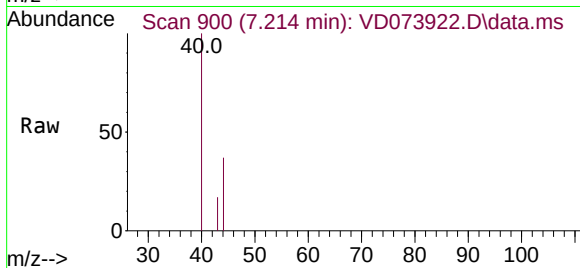
NSB07-14-15

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#33

1,2-Dichloroethane-d4

Concen: 74.592 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073922.D

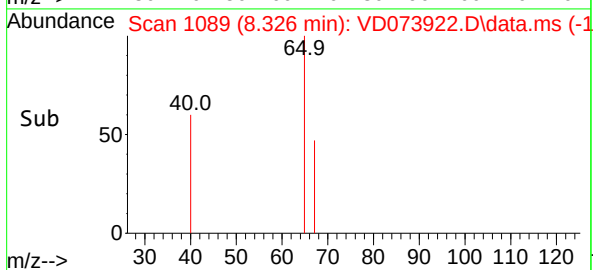
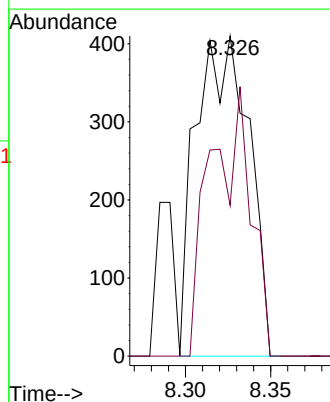
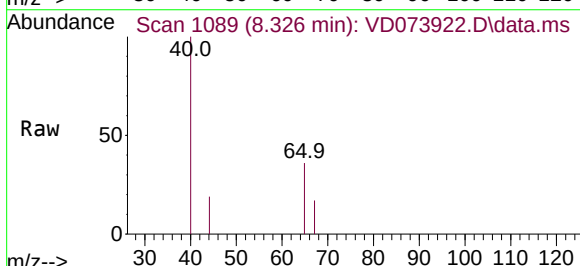
Acq: 02 Aug 2022 12:59

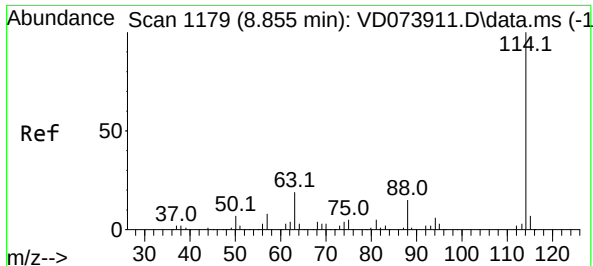
Tgt Ion: 65 Resp: 886

Ion Ratio Lower Upper

65 100

67 37.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

Instrument :

MSVOA_D

ClientSampleId :

NSB07-14-15

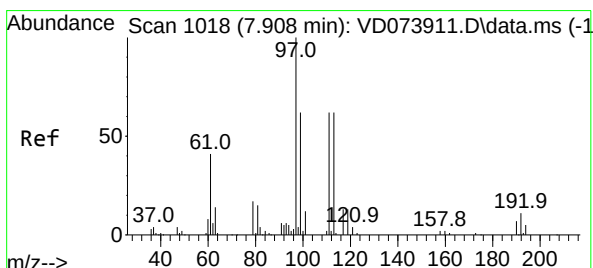
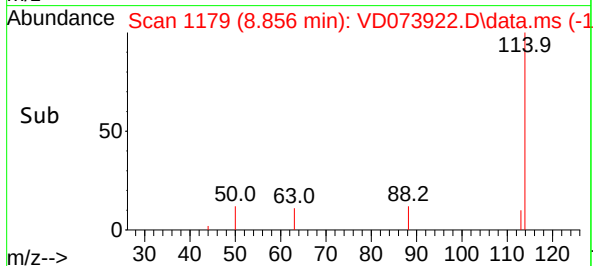
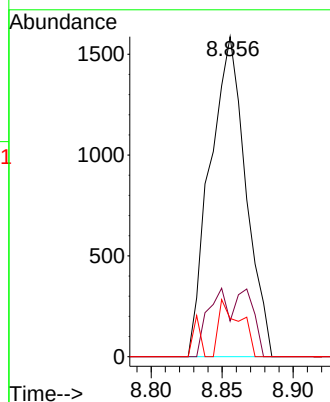
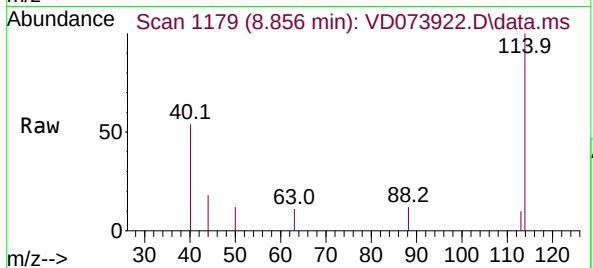
Tgt Ion:114 Resp: 2777

Ion Ratio Lower Upper

114 100

63 11.1 0.0 37.6

88 11.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.307 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

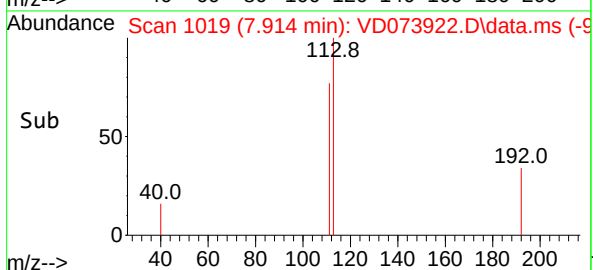
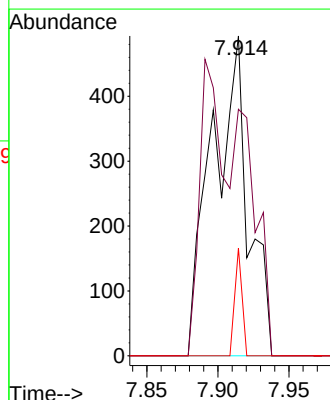
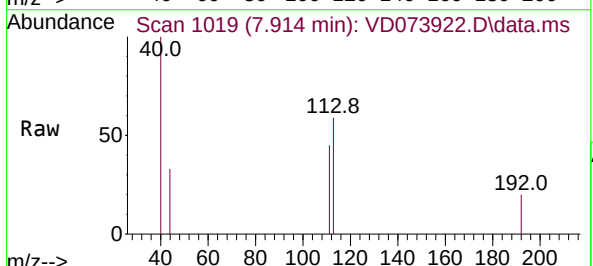
Tgt Ion:113 Resp: 868

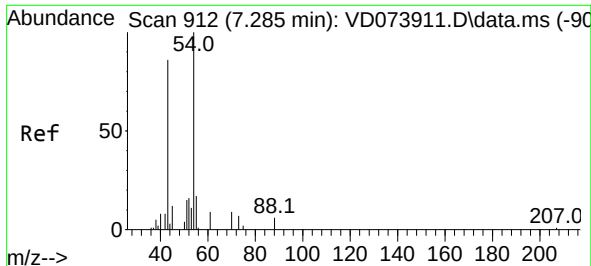
Ion Ratio Lower Upper

113 100

111 0.0 83.7 125.5#

192 6.8 15.0 22.6#

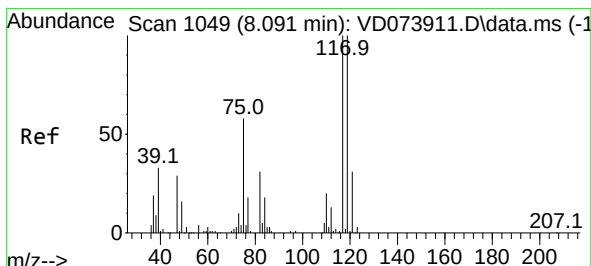
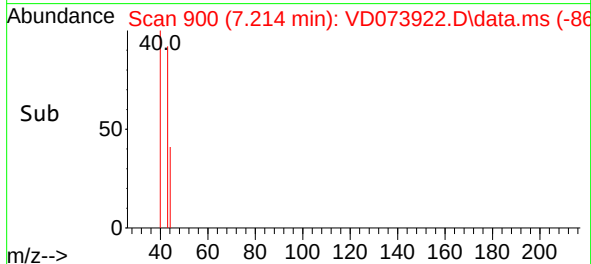
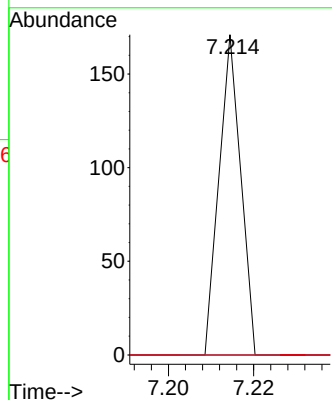
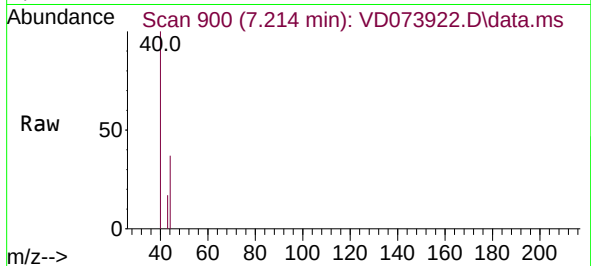




#37
Ethyl Acetate
Concen: 6.556 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.070 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

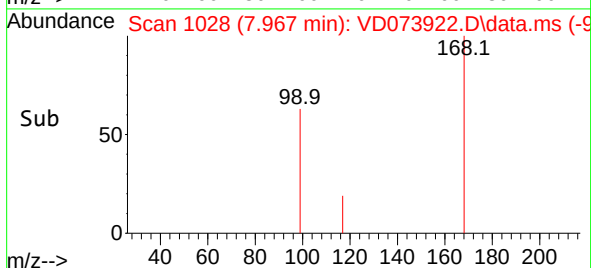
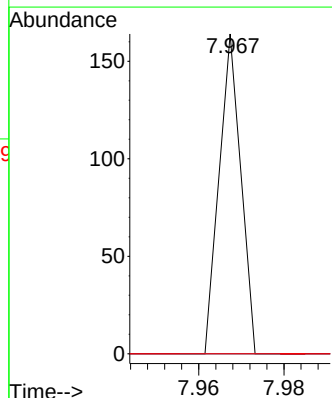
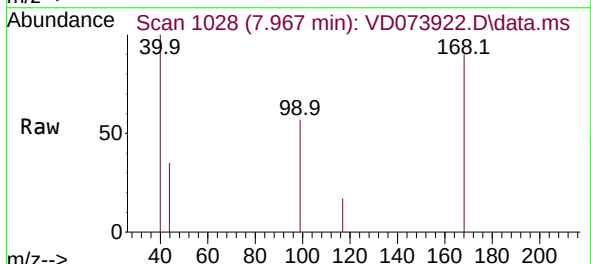
Instrument :
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NSB07-14-15

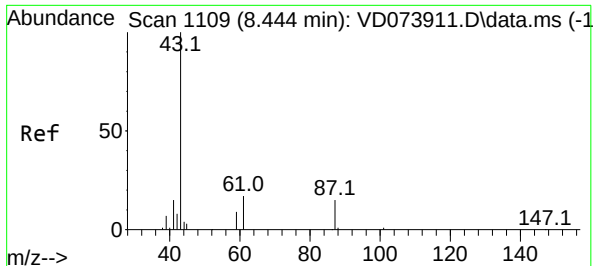
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 12.7 19.1#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 2.107 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

Tgt Ion: 117 Resp: 58
Ion Ratio Lower Upper
117 100
119 0.0 79.6 119.4#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 2.924 ug/l

RT: 8.185 min Scan# 1065

Delta R.T. -0.259 min

Lab File: VD073922.D

Acq: 02 Aug 2022 12:59

Instrument :

MSVOA_D

ClientSampleId :

NSB07-14-15

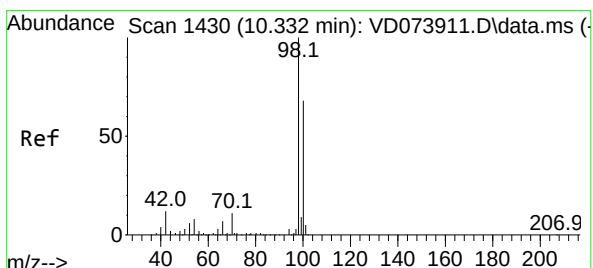
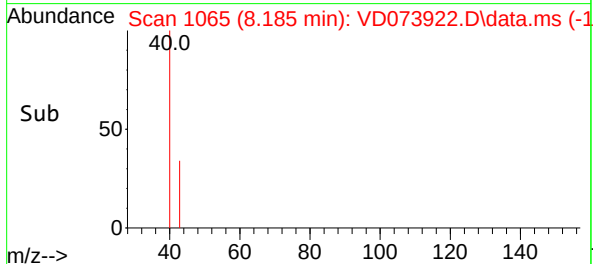
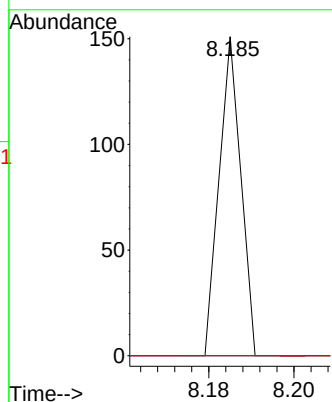
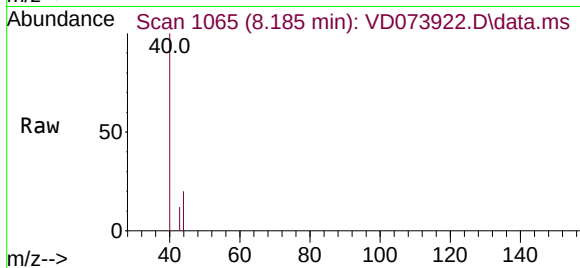
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

61 0.0 24.6 37.0#

87 0.0 12.2 18.2#



#50

Toluene-d8

Concen: 59.378 ug/l

RT: 10.326 min Scan# 1429

Delta R.T. -0.006 min

Lab File: VD073922.D

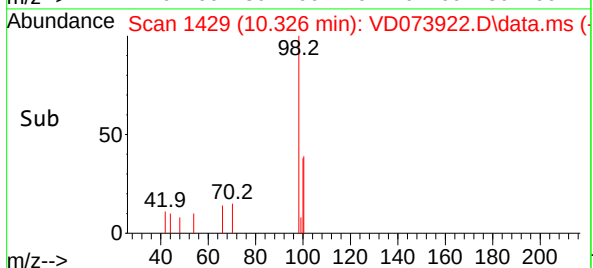
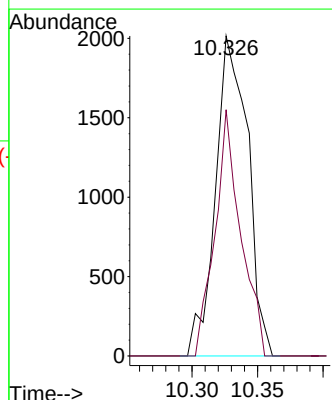
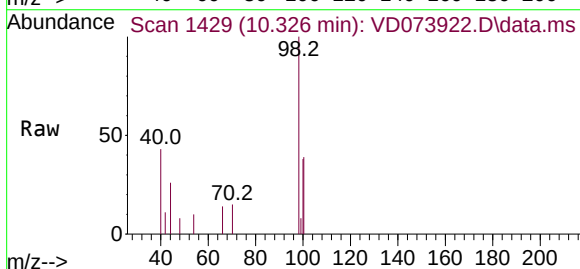
Acq: 02 Aug 2022 12:59

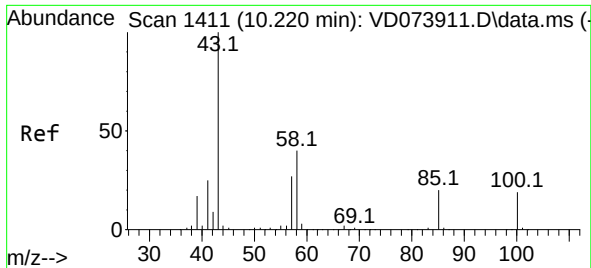
Tgt Ion: 98 Resp: 3451

Ion Ratio Lower Upper

98 100

100 61.3 53.1 79.7

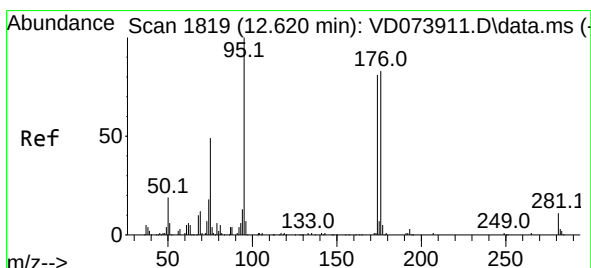
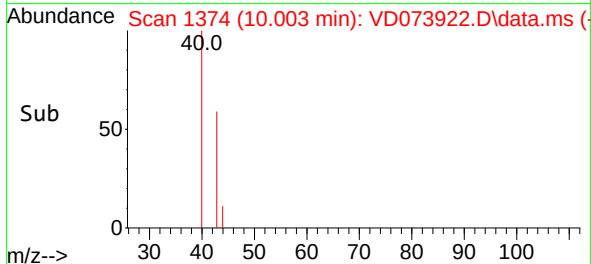
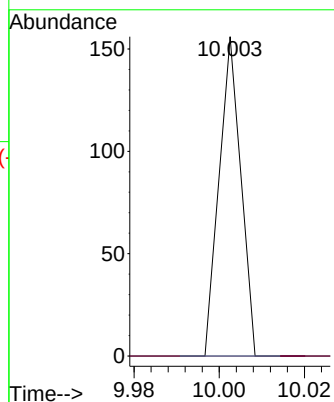
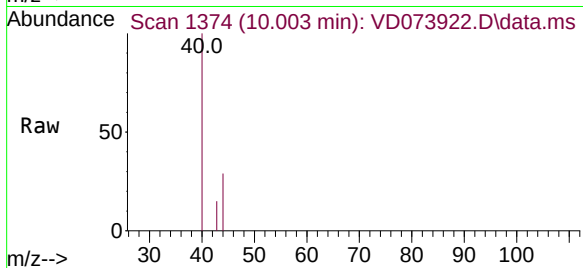




#51
4-Methyl-2-Pentanone
Concen: 6.079 ug/l
RT: 10.003 min Scan# 11
Delta R.T. -0.217 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

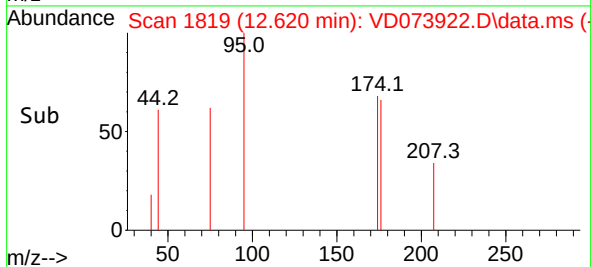
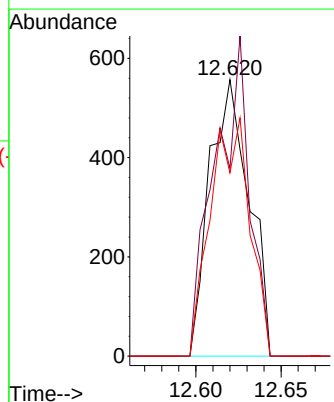
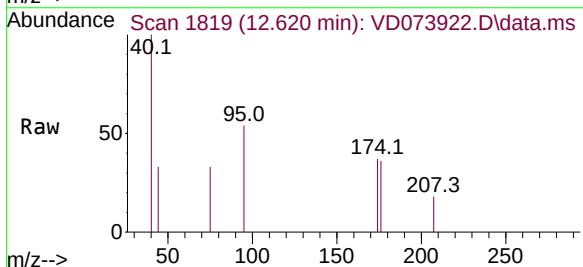
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

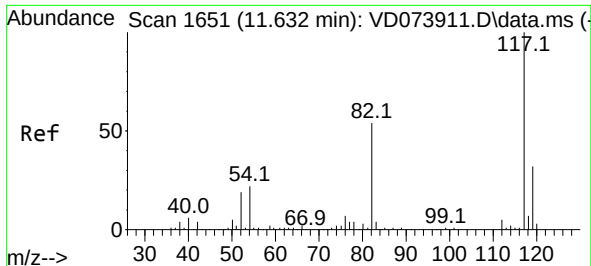
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 42.016 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

Tgt Ion: 95 Resp: 898
Ion Ratio Lower Upper
95 100
174 99.8 0.0 164.2
176 85.2 0.0 161.4

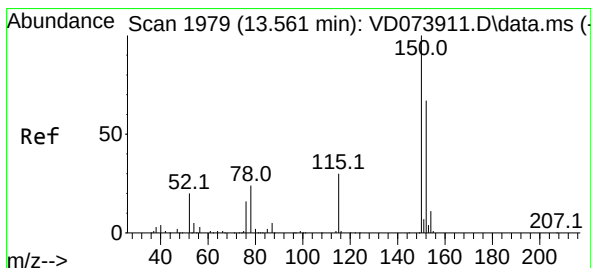
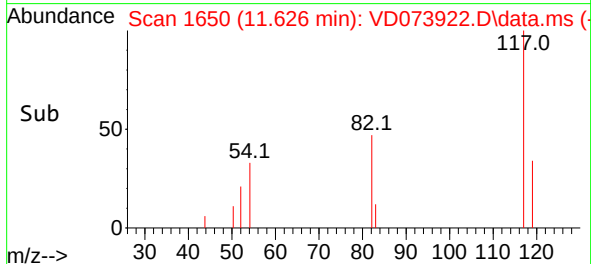
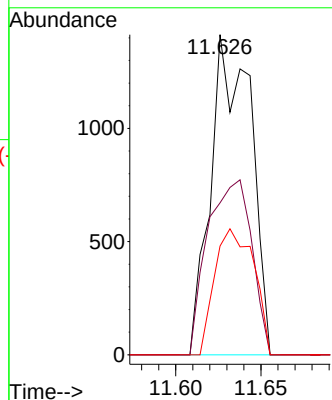
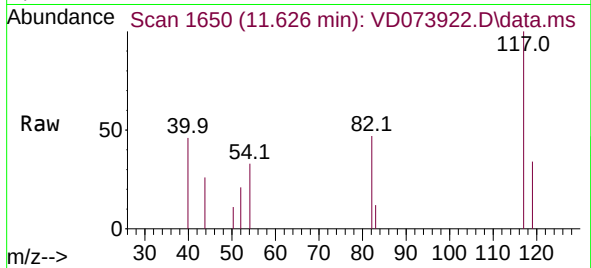




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.626 min Scan# 1650
Delta R.T. -0.006 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

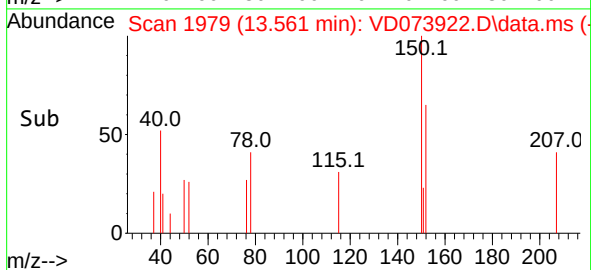
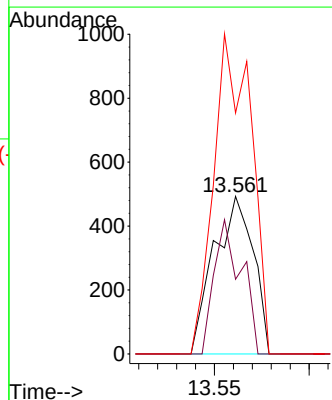
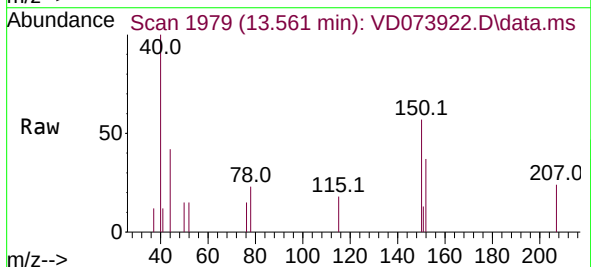
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

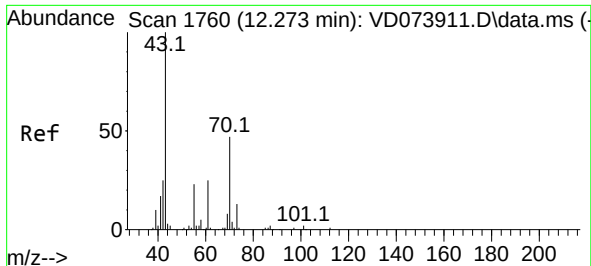
Tgt Ion:117	Resp:	2314	
Ion	Ratio	Lower	Upper
117	100		
82	47.5	43.3	64.9
119	33.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

Tgt Ion:152	Resp:	710	
Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.1	87.3
150	193.5	0.0	338.2

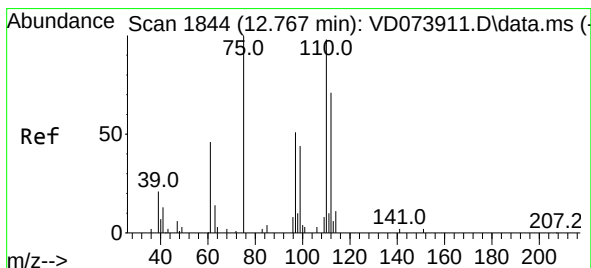
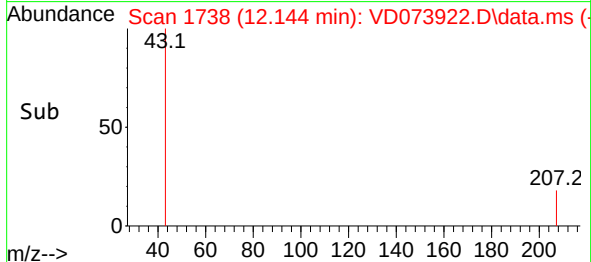
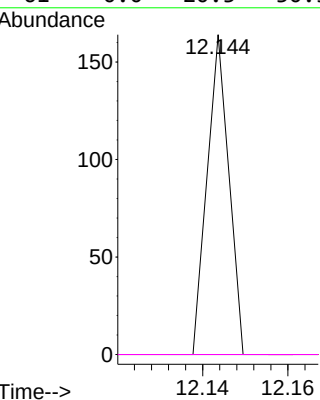
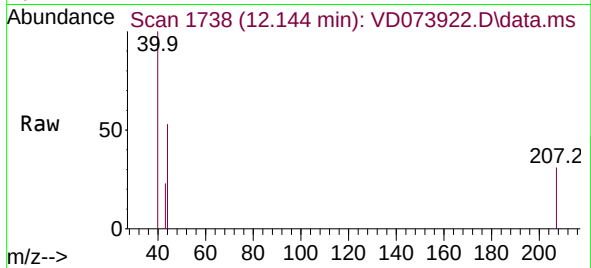




#74
N-amy1 acetate
Concen: 5.916 ug/l
RT: 12.144 min Scan# 11
Delta R.T. -0.129 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

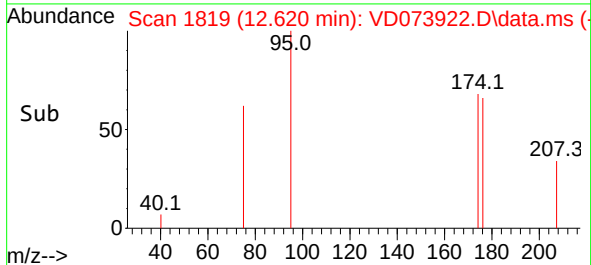
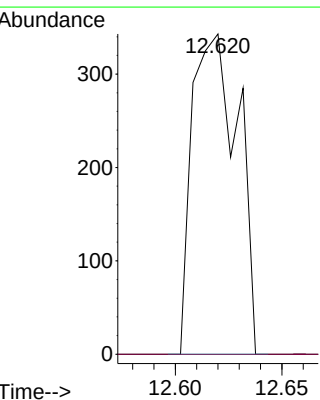
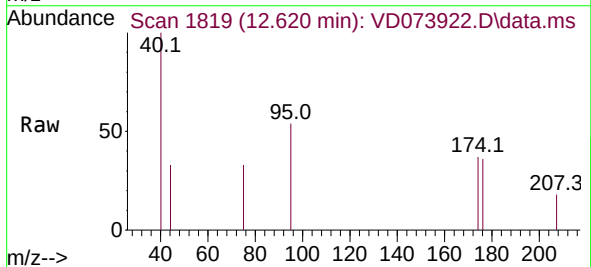
Instrument :
MSVOA_D
ClientSampleId :
NSB07-14-15

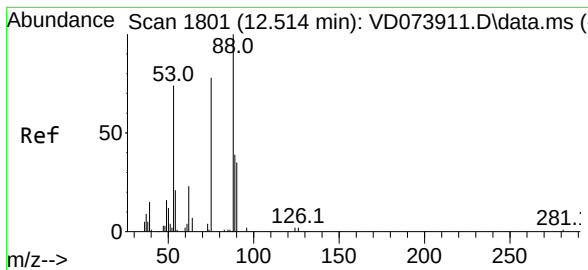
Tgt Ion: 43	Resp: 58
Ion Ratio	Lower Upper
43 100	
70 0.0	37.1 55.7#
55 0.0	19.5 29.3#
61 0.0	20.3 30.5#



#76
1,2,3-Trichloropropane
Concen: 98.592 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073922.D
Acq: 02 Aug 2022 12:59

Tgt Ion: 75	Resp: 513
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 207.293 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073922.D
 Acq: 02 Aug 2022 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 NSB07-14-15

Tgt Ion: 75 Resp: 513
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.6 107.4#
 89 0.0 39.8 59.6#

