

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073057.D
 Acq On : 23 Jun 2022 18:42
 Operator : JC\MD
 Sample : N3431-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14B-2-4

Quant Time: Jun 24 01:20:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

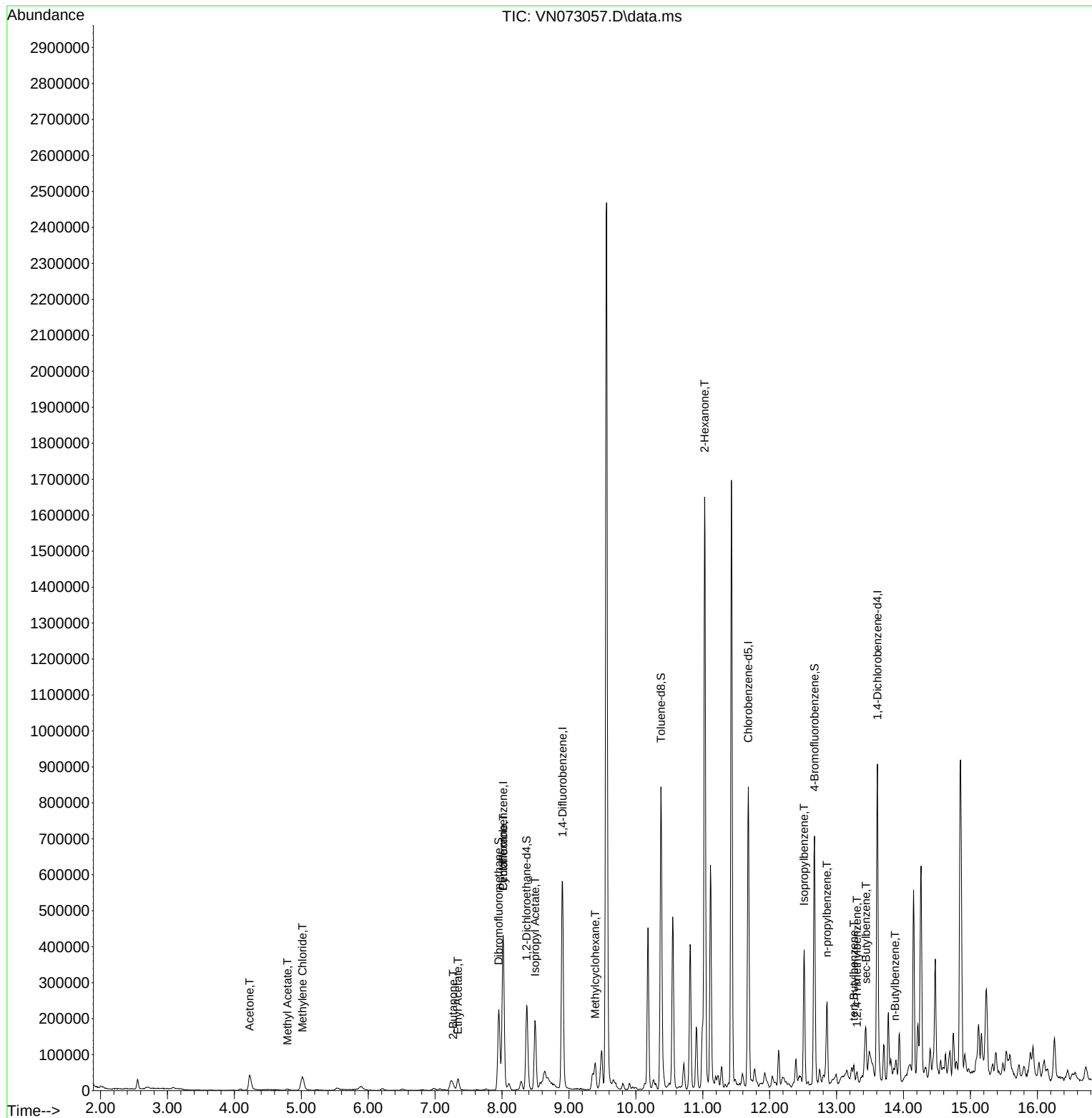
Internal Standards						
1) Pentafluorobenzene	8.016	168	313127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	518607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.681	117	468821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	234590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	194535	45.952	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.900%
35) Dibromofluoromethane	7.951	113	163509	51.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.020%
50) Toluene-d8	10.375	98	535031	44.857	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.720%
62) 4-Bromofluorobenzene	12.669	95	235062	54.806	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.620%
Target Compounds						
					Qvalue	
16) Acetone	4.228	43	78722	33.829	ug/l	91
18) Methyl Acetate	4.793	43	7859	1.268	ug/l #	73
20) Methylene Chloride	5.016	84	28269	7.627	ug/l	90
25) 2-Butanone	7.269	43	22116	5.989	ug/l	89
31) Cyclohexane	8.016	56	14293	2.496	ug/l #	60
37) Ethyl Acetate	7.340	43	47333	6.823	ug/l	98
39) Methylcyclohexane	9.392	83	35128	6.719	ug/l	96
43) Isopropyl Acetate	8.493	43	209687	21.144	ug/l #	86
59) 2-Hexanone	11.028	43	245937	49.169	ug/l #	46
73) Isopropylbenzene	12.516	105	243633	13.424	ug/l	100
78) n-propylbenzene	12.857	91	185767	9.306	ug/l	97
83) tert-Butylbenzene	13.257	119	22637	1.658	ug/l	90
84) 1,2,4-Trimethylbenzene	13.304	105	17032	1.147	ug/l	85
85) sec-Butylbenzene	13.439	105	90679	4.979	ug/l	81
89) n-Butylbenzene	13.875	91	14212	1.180	ug/l #	81

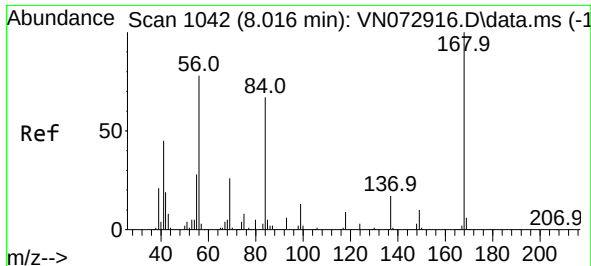
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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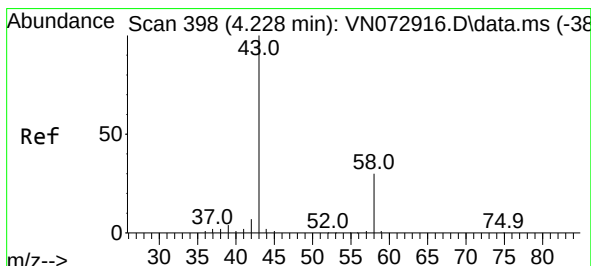
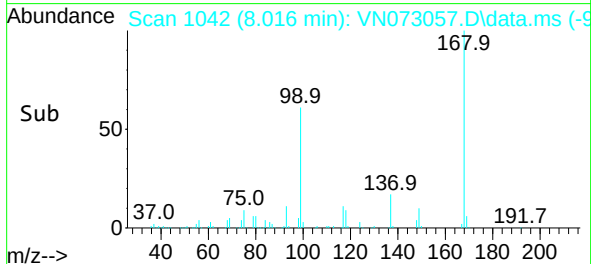
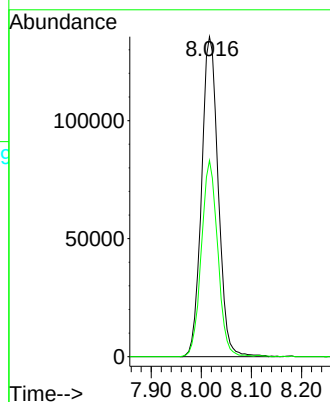
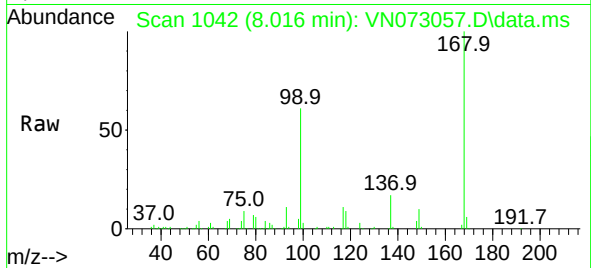




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

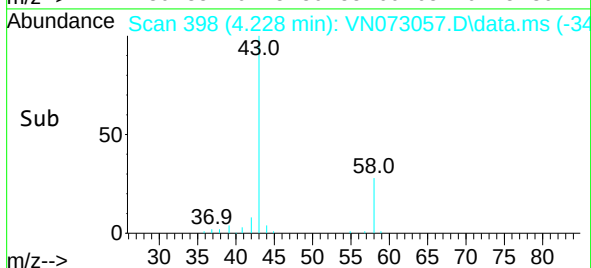
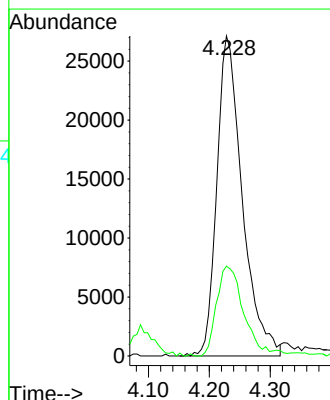
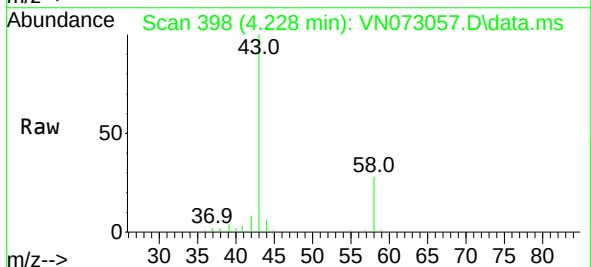
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-4

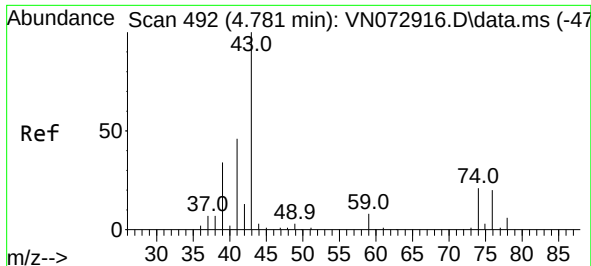
Tgt Ion:168 Resp: 313127
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5



#16
Acetone
Concen: 33.829 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion: 43 Resp: 78722
Ion Ratio Lower Upper
43 100
58 27.2 26.0 39.0

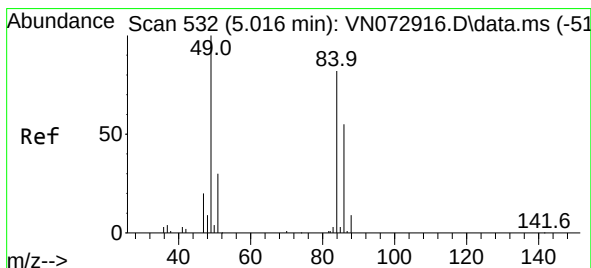
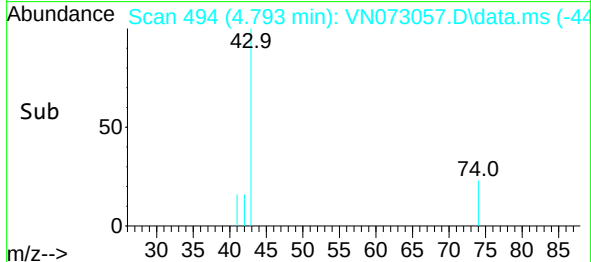
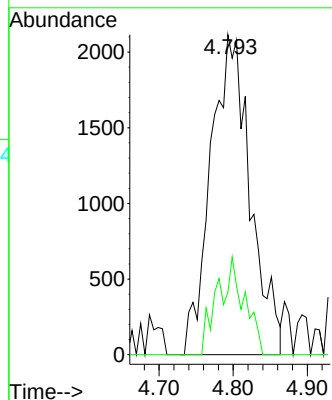
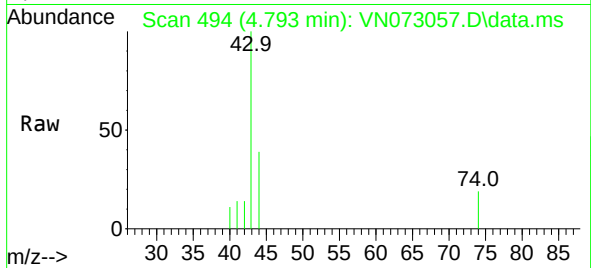




#18
Methyl Acetate
Concen: 1.268 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

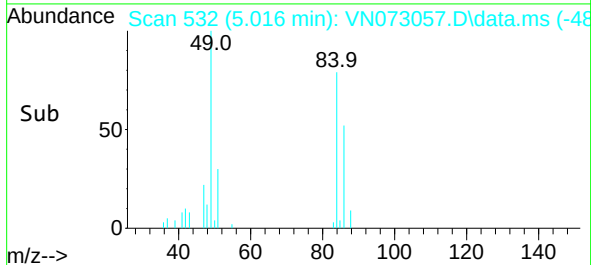
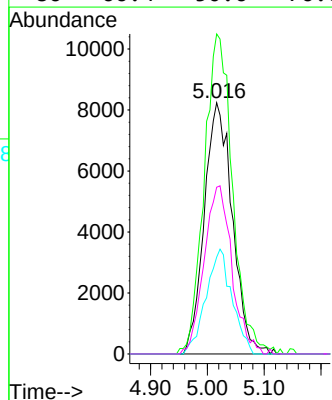
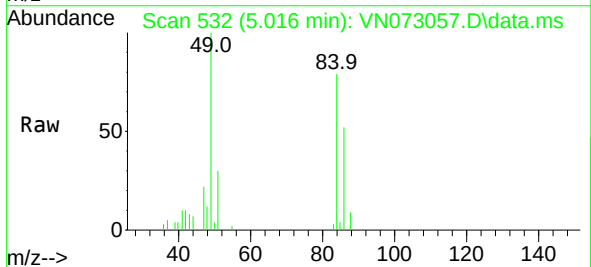
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-4

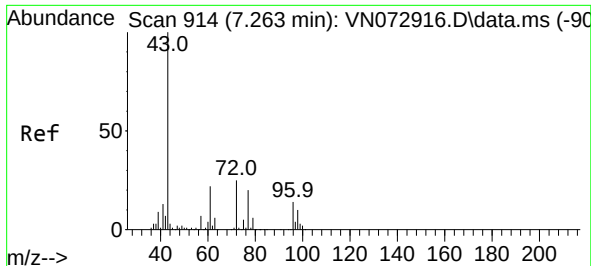
Tgt Ion: 43 Resp: 7859
Ion Ratio Lower Upper
43 100
74 13.0 21.6 32.4#



#20
Methylene Chloride
Concen: 7.627 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion: 84 Resp: 28269
Ion Ratio Lower Upper
84 100
49 125.4 88.3 132.5
51 38.5 28.2 42.2
86 66.4 50.6 76.0

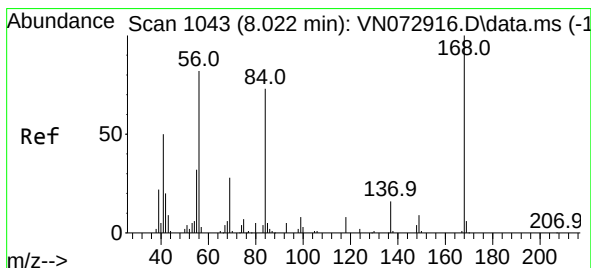
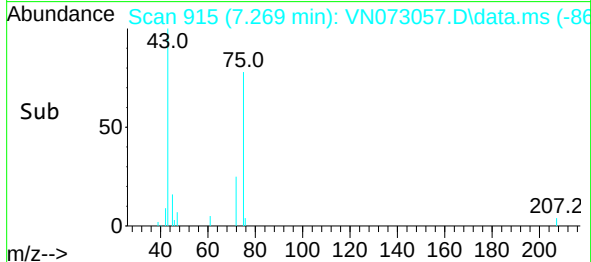
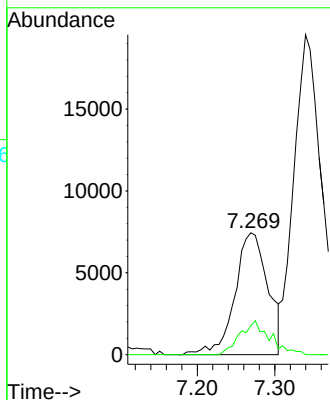
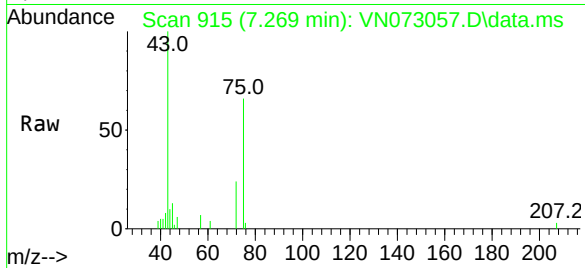




#25
2-Butanone
Concen: 5.989 ug/l
RT: 7.269 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

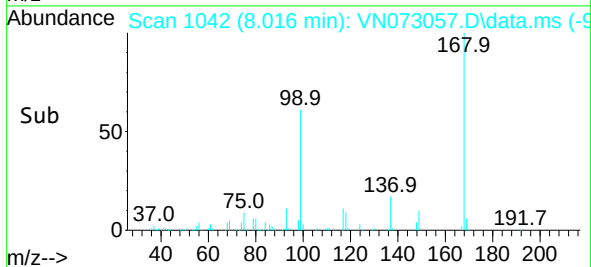
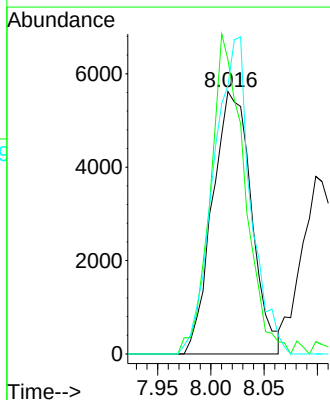
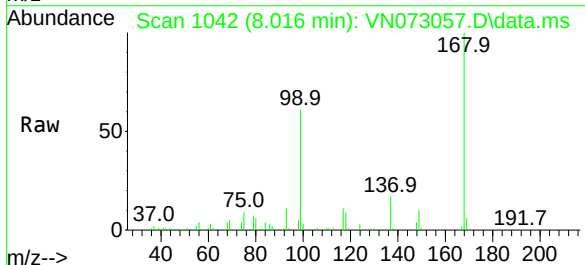
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-4

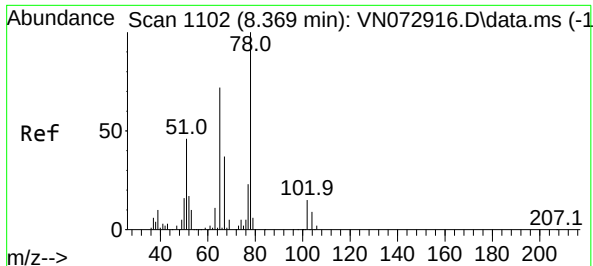
Tgt Ion: 43 Resp: 22116
Ion Ratio Lower Upper
43 100
72 23.8 23.7 35.5



#31
Cyclohexane
Concen: 2.496 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion: 56 Resp: 14293
Ion Ratio Lower Upper
56 100
69 112.1 27.8 41.8#
84 102.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 45.952 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

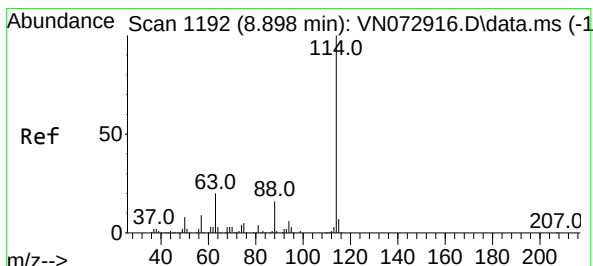
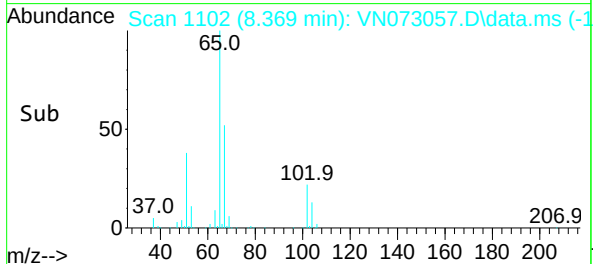
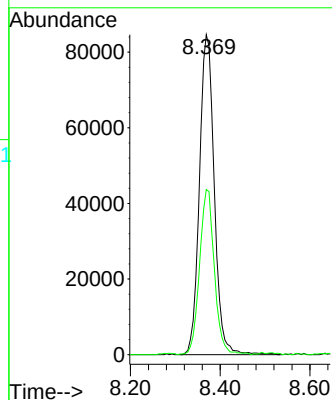
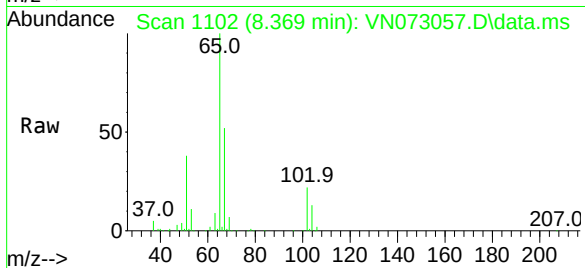
WC-14B-2-4

Tgt Ion: 65 Resp: 194535

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

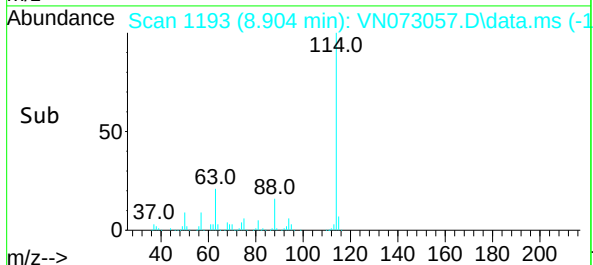
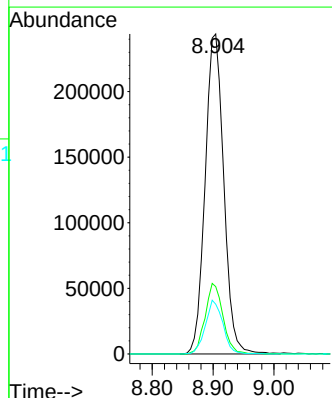
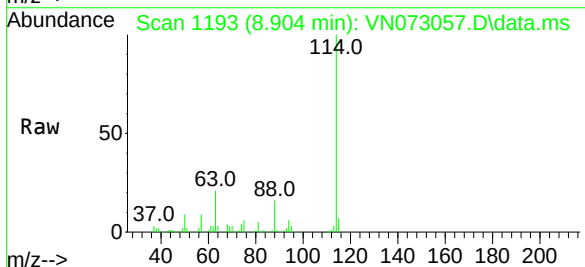
Tgt Ion: 114 Resp: 518607

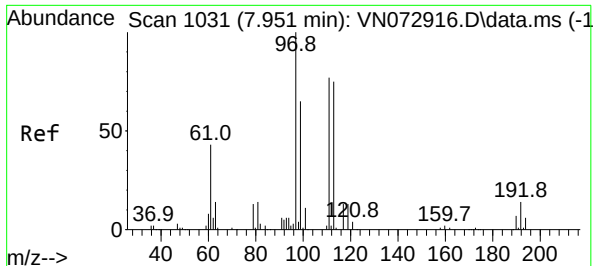
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.009 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-4

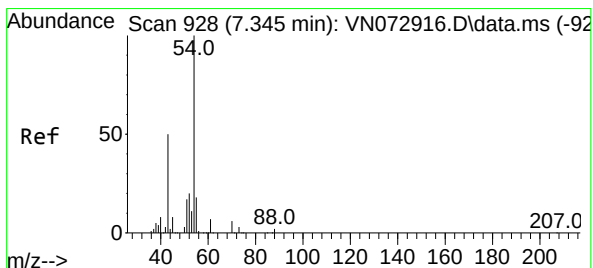
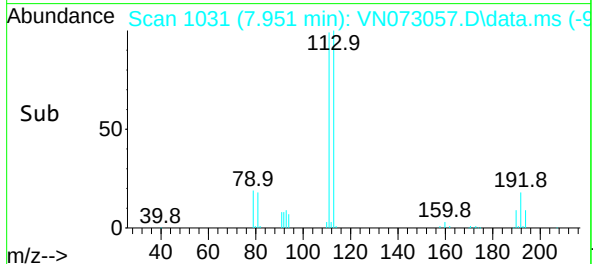
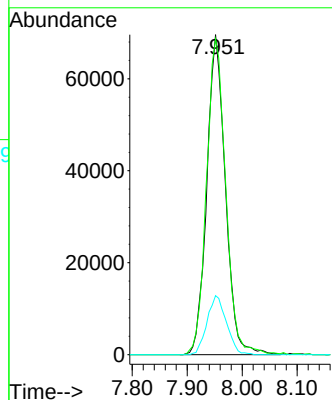
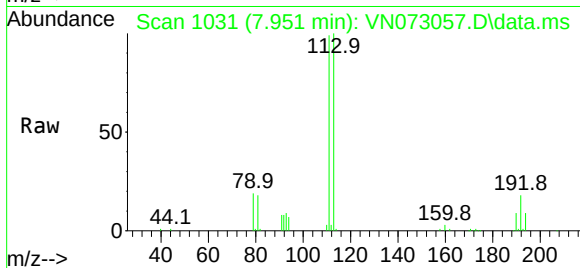
Tgt Ion:113 Resp: 163509

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 19.2 17.0 25.6



#37

Ethyl Acetate

Concen: 6.823 ug/l

RT: 7.340 min Scan# 927

Delta R.T. -0.006 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

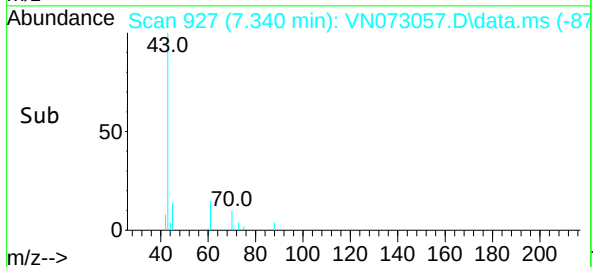
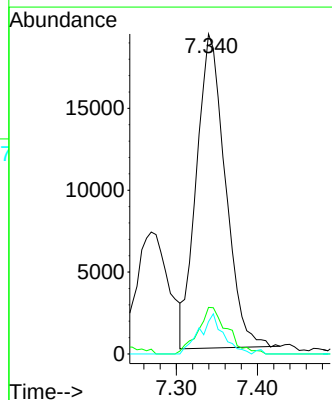
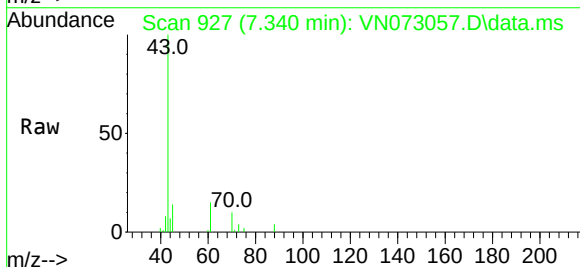
Tgt Ion: 43 Resp: 47333

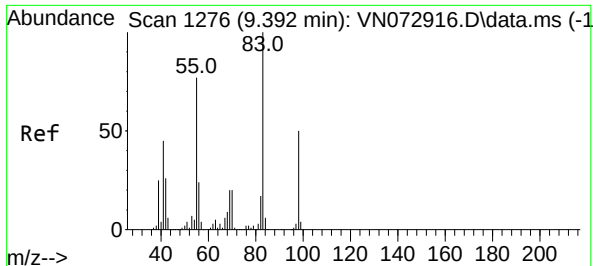
Ion Ratio Lower Upper

43 100

61 15.2 11.8 17.6

70 10.6 9.3 13.9





#39

Methylcyclohexane

Concen: 6.719 ug/l

RT: 9.392 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-2-4

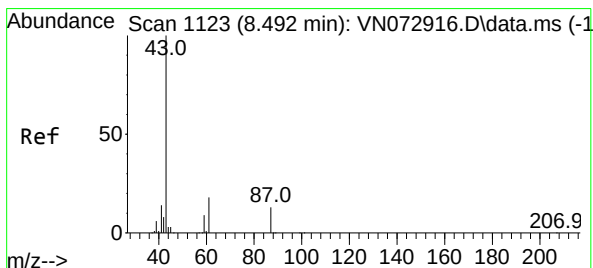
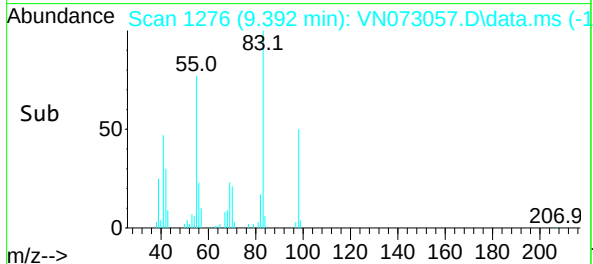
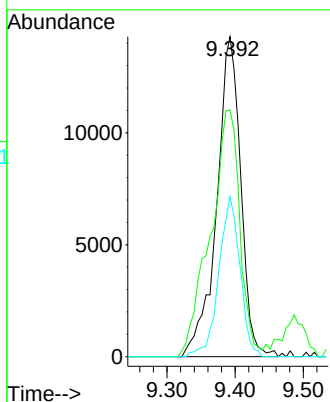
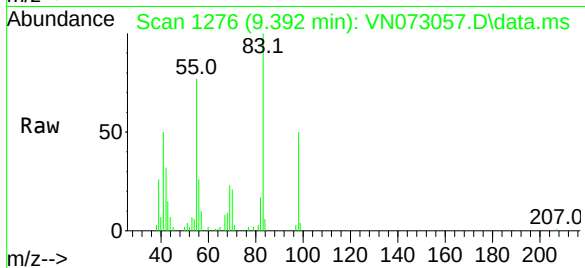
Tgt Ion: 83 Resp: 35128

Ion Ratio Lower Upper

83 100

55 77.1 57.8 86.8

98 50.0 39.4 59.2



#43

Isopropyl Acetate

Concen: 21.144 ug/l

RT: 8.493 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

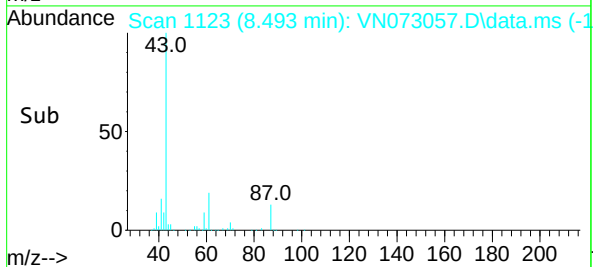
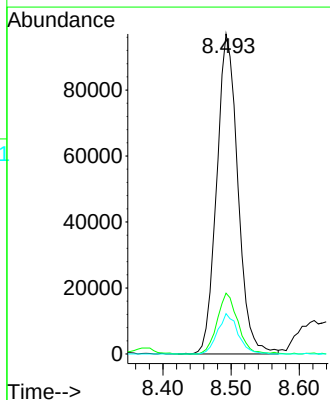
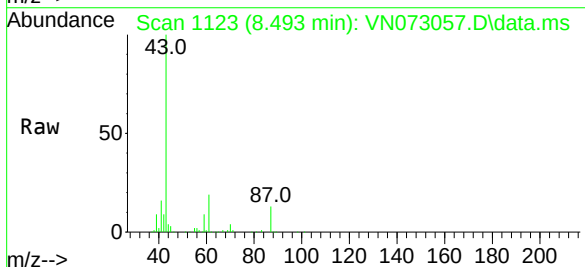
Tgt Ion: 43 Resp: 209687

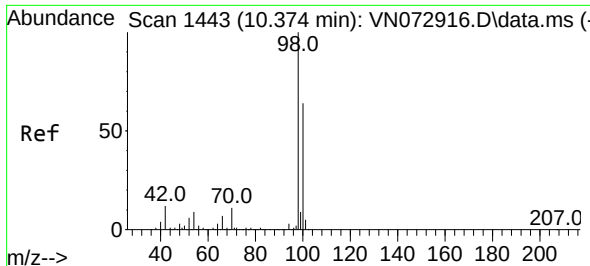
Ion Ratio Lower Upper

43 100

61 18.4 21.9 32.9#

87 12.1 12.0 18.0

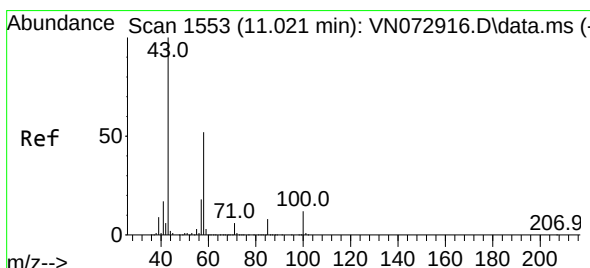
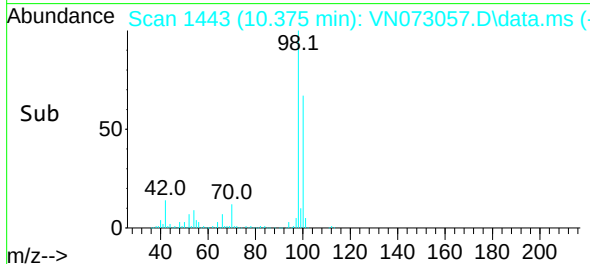
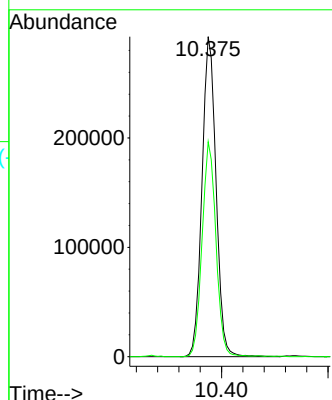
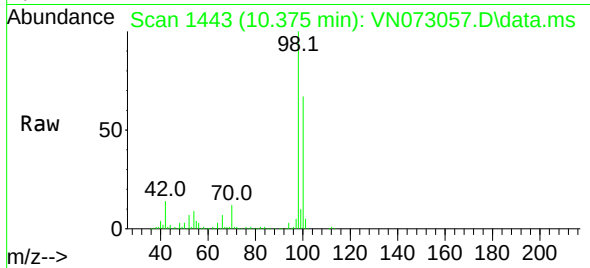




#50
Toluene-d8
Concen: 44.857 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

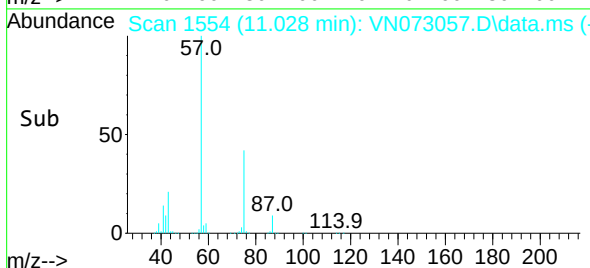
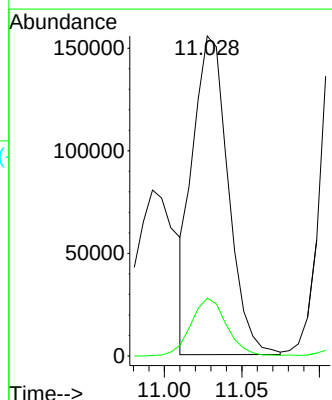
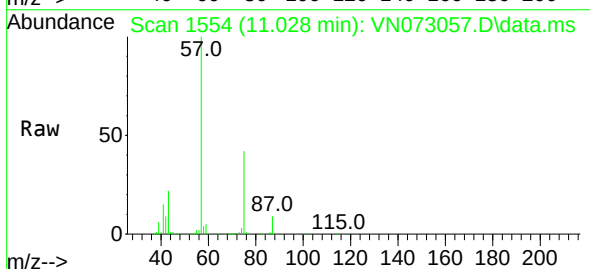
Instrument :
MSVOA_N
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WC-14B-2-4

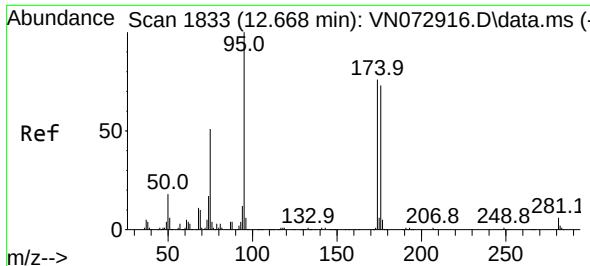
Tgt Ion: 98 Resp: 535031
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#59
2-Hexanone
Concen: 49.169 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion: 43 Resp: 245937
Ion Ratio Lower Upper
43 100
58 18.5 29.7 89.1#

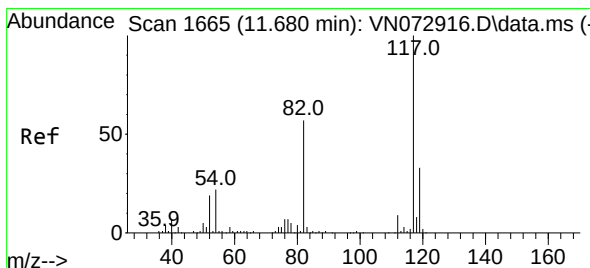
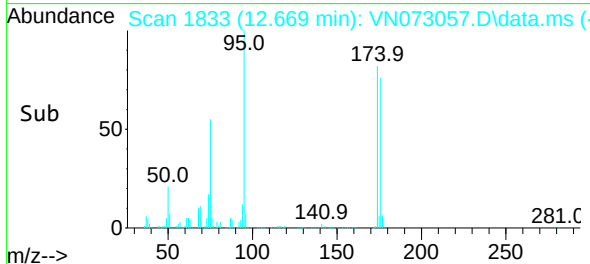
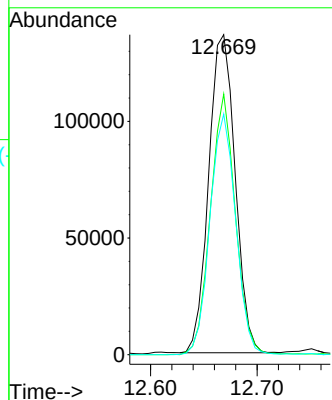
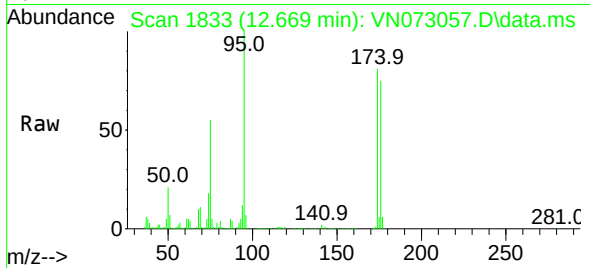




#62
4-Bromofluorobenzene
Concen: 54.806 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

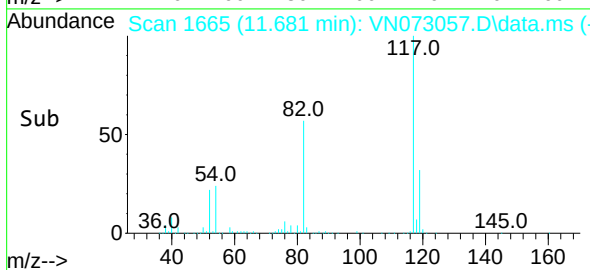
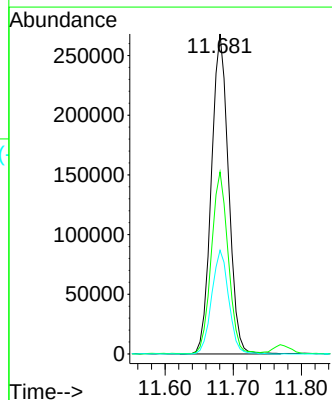
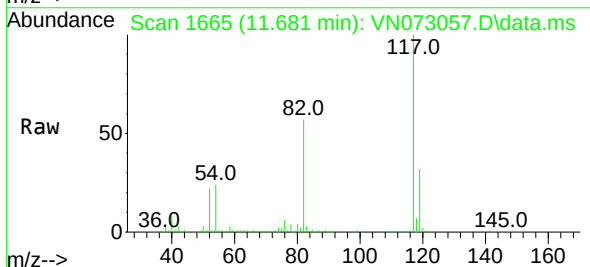
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-4

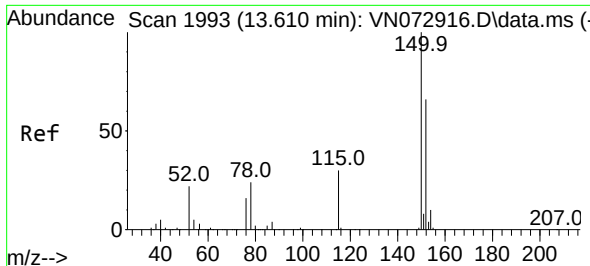
Tgt Ion: 95 Resp: 235062
Ion Ratio Lower Upper
95 100
174 77.7 0.0 167.6
176 73.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.681 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion: 117 Resp: 468821
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 32.4 25.4 38.0

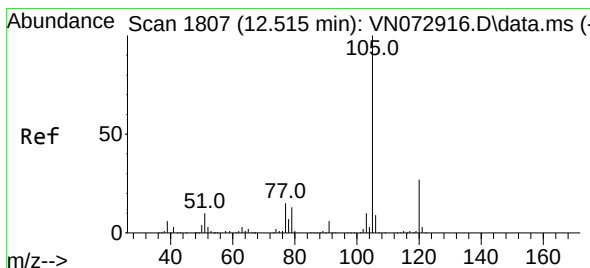
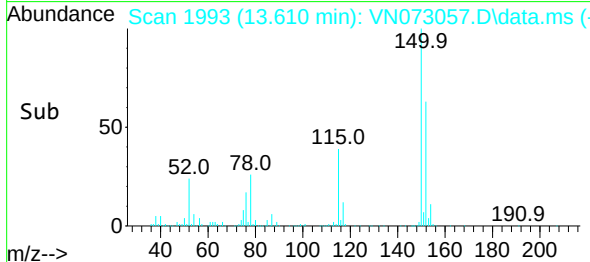
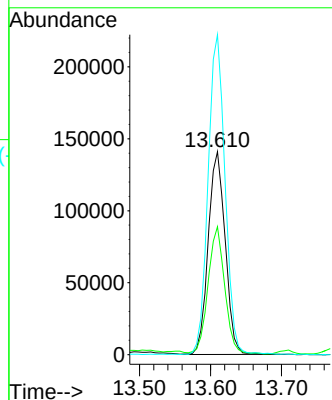
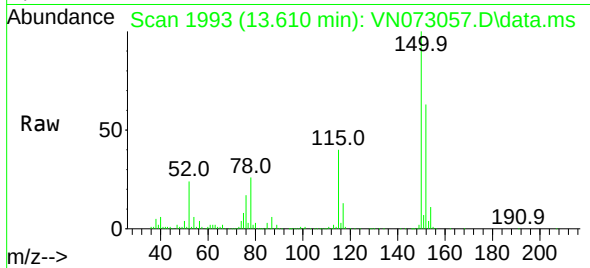




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

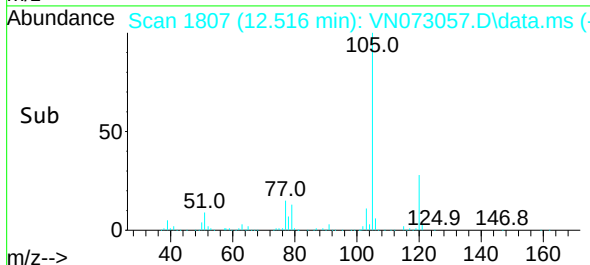
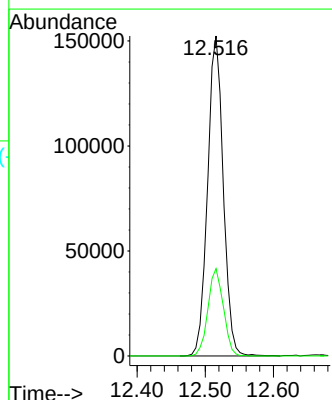
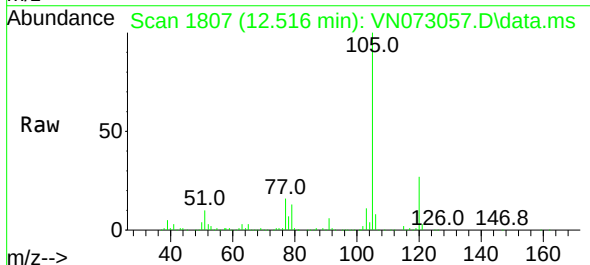
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-2-4

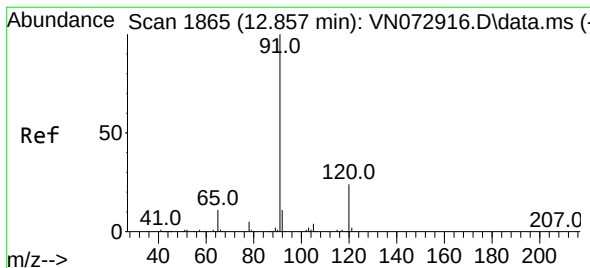
Tgt Ion:152 Resp: 234590
Ion Ratio Lower Upper
152 100
115 61.4 28.9 86.7
150 157.4 0.0 356.2



#73
Isopropylbenzene
Concen: 13.424 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN073057.D
Acq: 23 Jun 2022 18:42

Tgt Ion:105 Resp: 243633
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4





#78

n-propylbenzene

Concen: 9.306 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

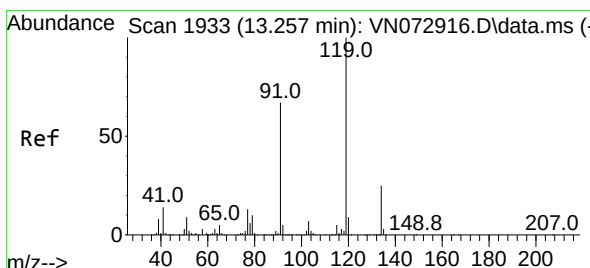
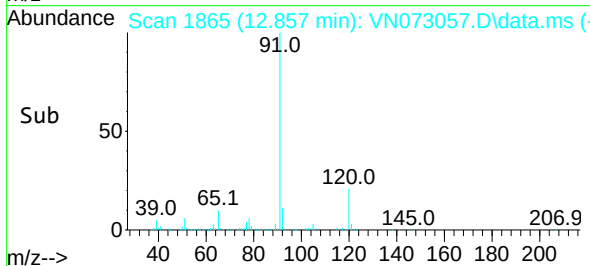
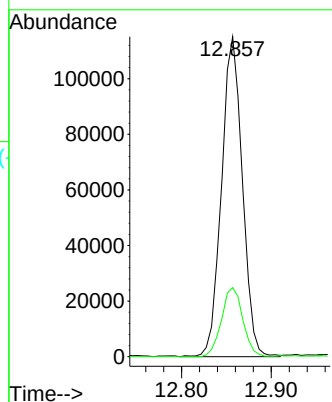
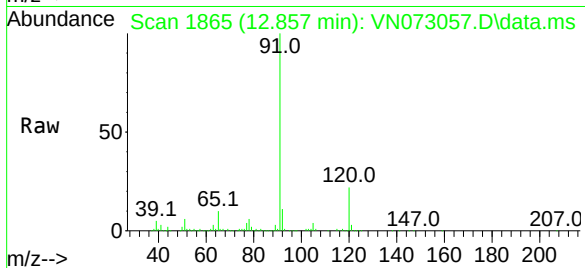
WC-14B-2-4

Tgt Ion: 91 Resp: 185767

Ion Ratio Lower Upper

91 100

120 22.0 11.9 35.5



#83

tert-Butylbenzene

Concen: 1.658 ug/l

RT: 13.257 min Scan# 1933

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

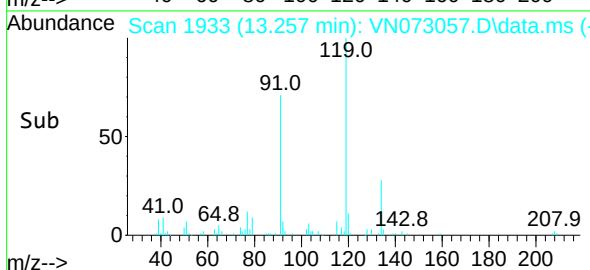
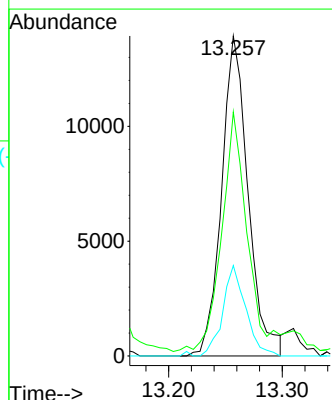
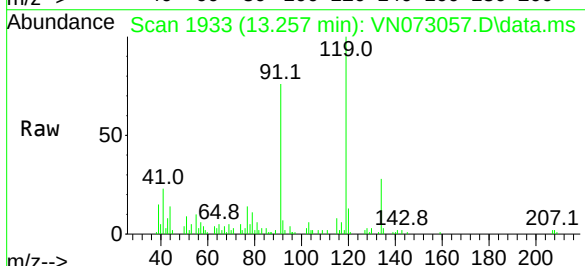
Tgt Ion: 119 Resp: 22637

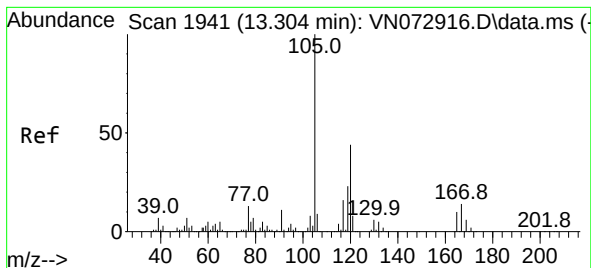
Ion Ratio Lower Upper

119 100

91 71.9 31.6 94.8

134 24.5 13.7 41.1





#84

1,2,4-Trimethylbenzene

Concen: 1.147 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN073057.D

Acq: 23 Jun 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

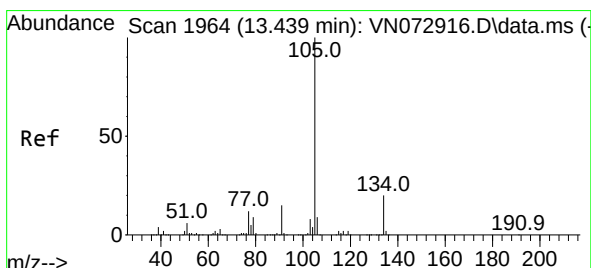
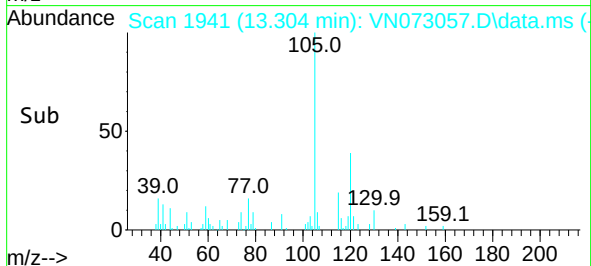
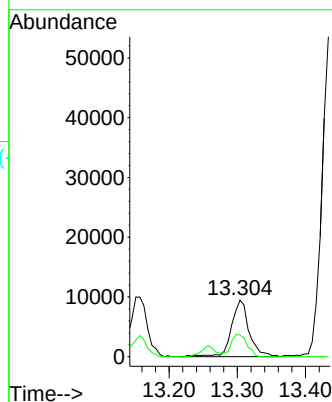
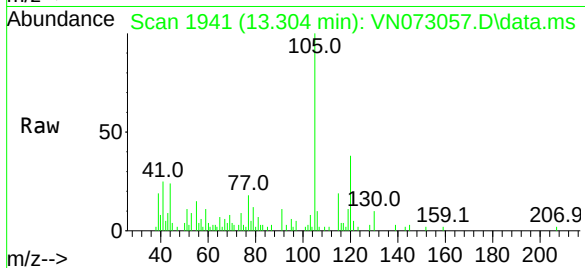
WC-14B-2-4

Tgt Ion:105 Resp: 17032

Ion Ratio Lower Upper

105 100

120 36.2 23.3 69.8



#85

sec-Butylbenzene

Concen: 4.979 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN073057.D

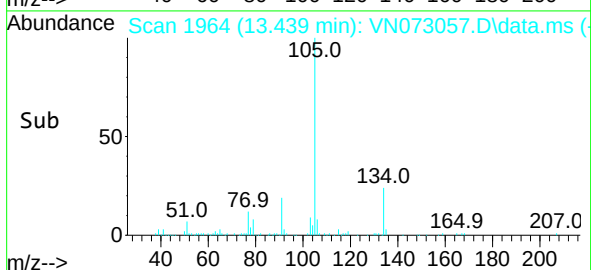
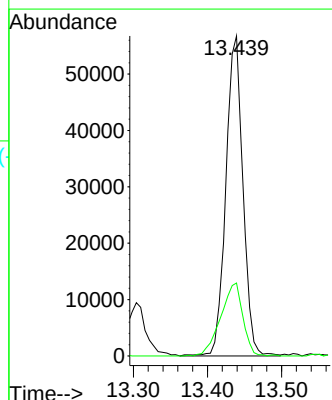
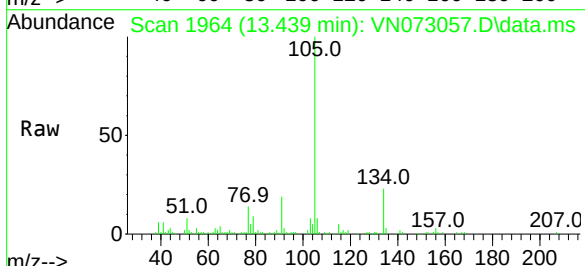
Acq: 23 Jun 2022 18:42

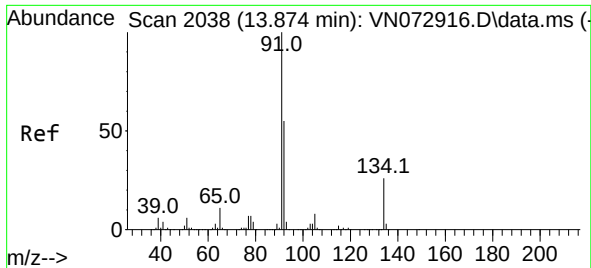
Tgt Ion:105 Resp: 90679

Ion Ratio Lower Upper

105 100

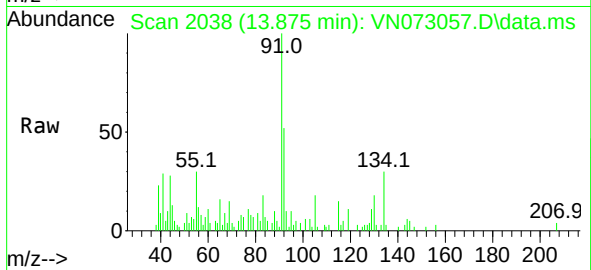
134 29.6 10.4 31.1





#89
 n-Butylbenzene
 Concen: 1.180 ug/l
 RT: 13.875 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN073057.D
 Acq: 23 Jun 2022 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14B-2-4



Tgt Ion: 91 Resp: 14212
 Ion Ratio Lower Upper
 91 100
 92 52.3 26.9 80.7
 134 54.1 13.6 40.8#

