

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073044.D
 Acq On : 23 Jun 2022 13:26
 Operator : JC\MD
 Sample : N3422-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-13

Quant Time: Jun 24 01:18:04 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)

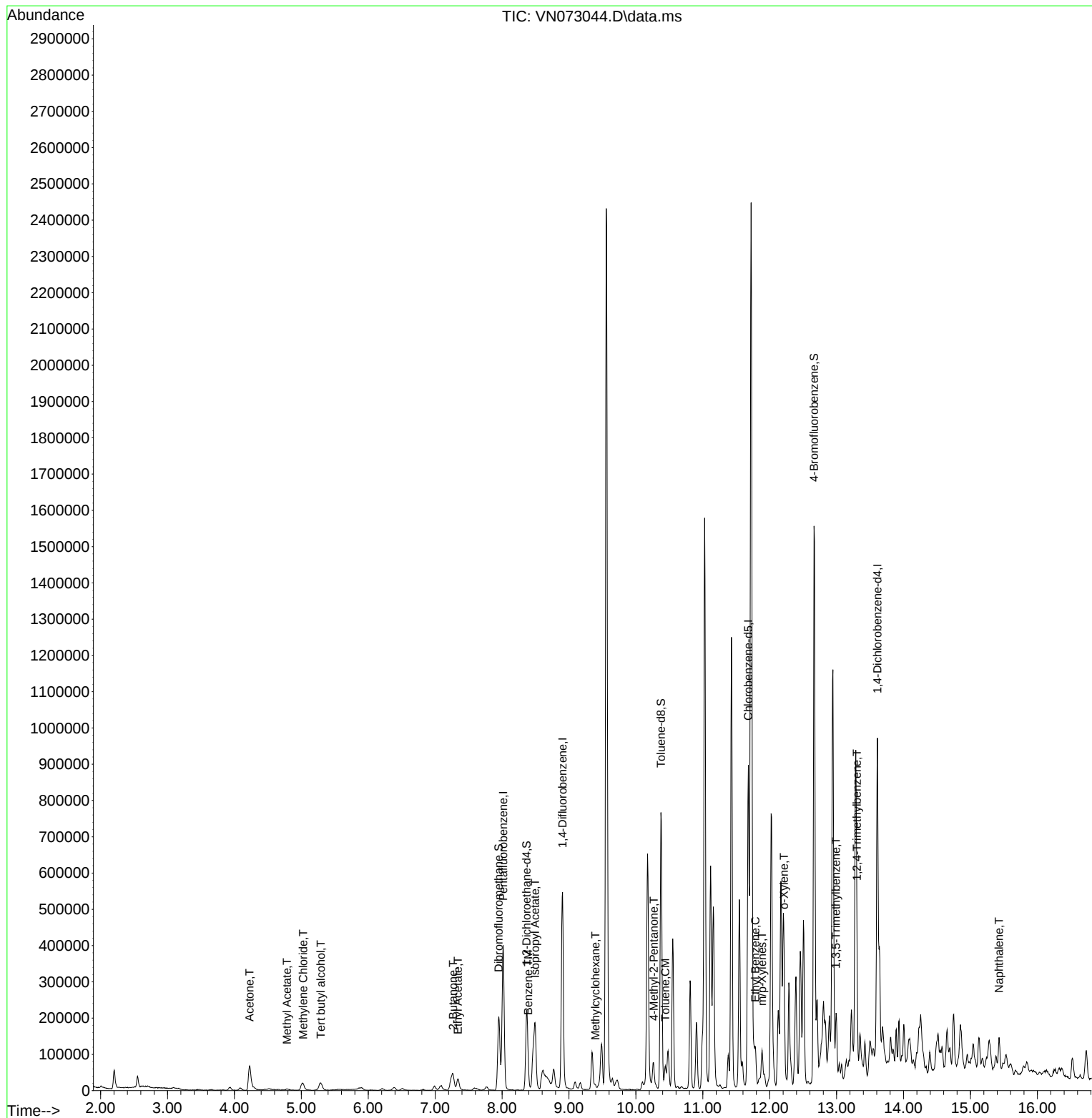
Internal Standards						
1) Pentafluorobenzene	8.016	168	293255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	481469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	440620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	231612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	183143	46.193	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.380%		
35) Dibromofluoromethane	7.951	113	153444	51.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.120%		
50) Toluene-d8	10.375	98	502386	45.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.740%		
62) 4-Bromofluorobenzene	12.663	95	230649	57.925	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.293	59	38645	37.734	ug/l	98
16) Acetone	4.228	43	128462	58.944	ug/l	99
18) Methyl Acetate	4.787	43	7849	1.352	ug/l #	88
20) Methylene Chloride	5.028	84	16146	4.557	ug/l	97
25) 2-Butanone	7.269	43	67956	19.650	ug/l	92
37) Ethyl Acetate	7.340	43	53152	8.252	ug/l	94
39) Methylcyclohexane	9.398	83	5066	1.044	ug/l #	89
40) Benzene	8.392	78	15892	1.256	ug/l	94
43) Isopropyl Acetate	8.492	43	220534	23.953	ug/l #	83
51) 4-Methyl-2-Pentanone	10.269	43	36819	6.133	ug/l #	83
52) Toluene	10.439	92	23862	3.071	ug/l	97
67) Ethyl Benzene	11.786	91	25096	1.657	ug/l	92
68) m/p-Xylenes	11.886	106	31961	5.379	ug/l	93
69) o-Xylene	12.216	106	26685	4.495	ug/l	95
80) 1,3,5-Trimethylbenzene	12.992	105	28525	1.938	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	72202	4.925	ug/l	100
95) Naphthalene	15.427	128	83250	4.653	ug/l	99

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

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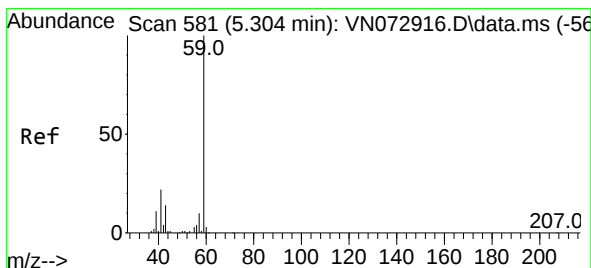
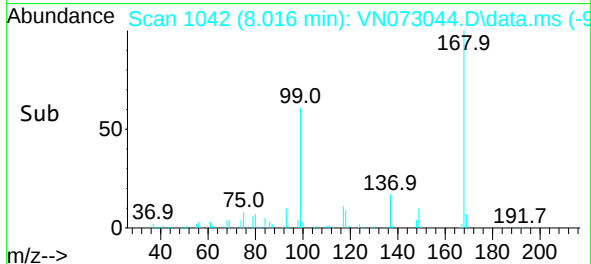
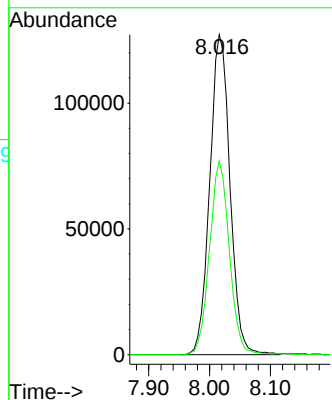
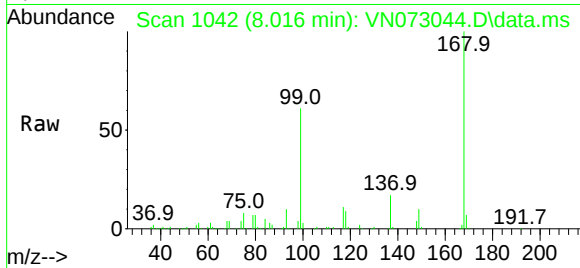




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

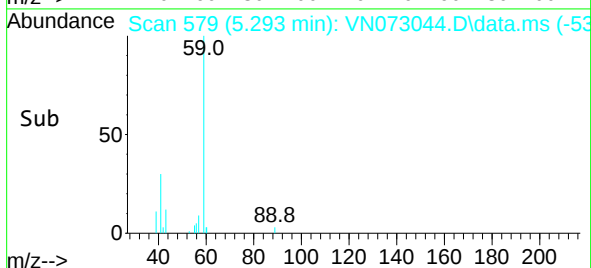
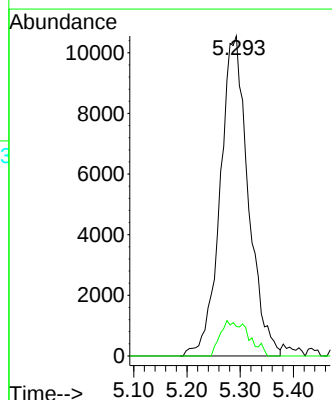
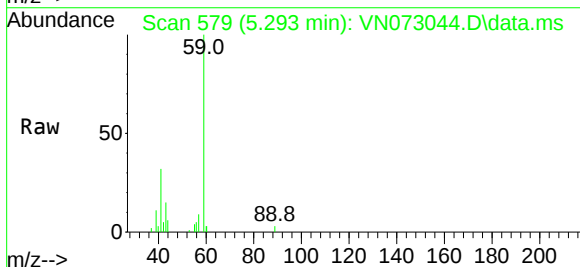
Instrument :
MSVOA_N
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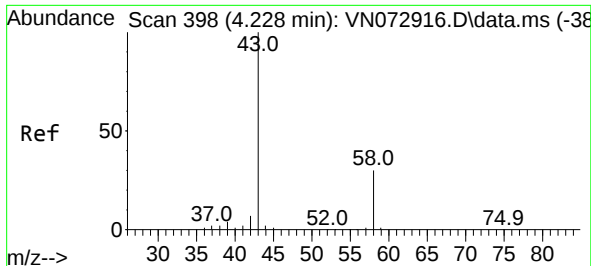
Tgt Ion:168 Resp: 293255
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#11
Tert butyl alcohol
Concen: 37.734 ug/l
RT: 5.293 min Scan# 579
Delta R.T. -0.012 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 59 Resp: 38645
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

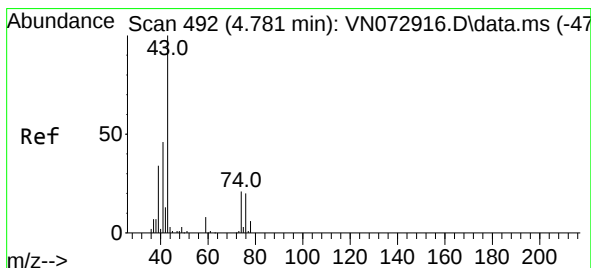
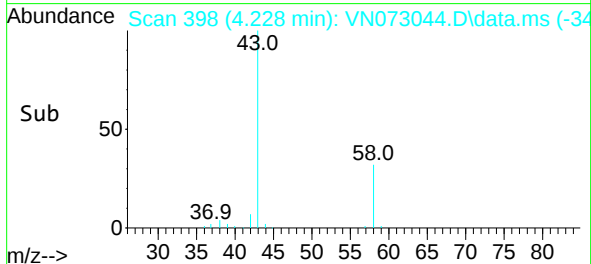
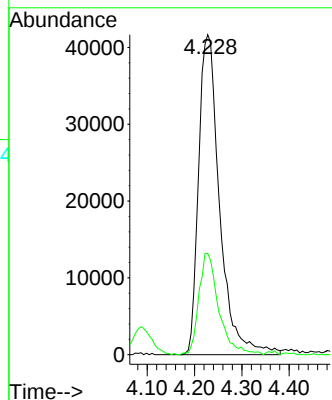
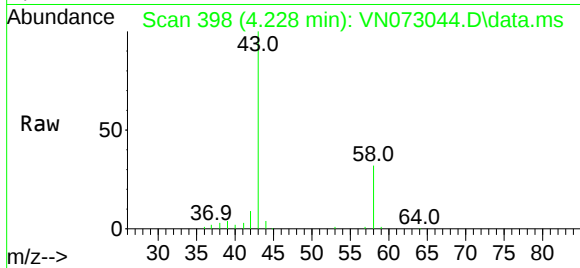




#16
Acetone
Concen: 58.944 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

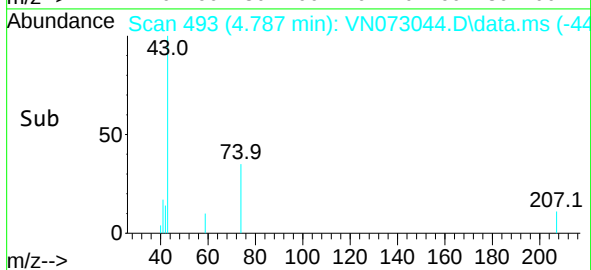
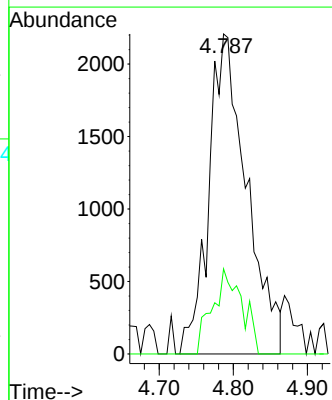
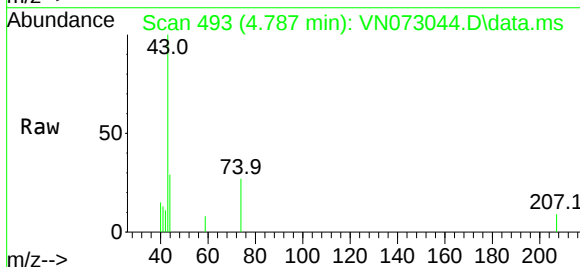
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

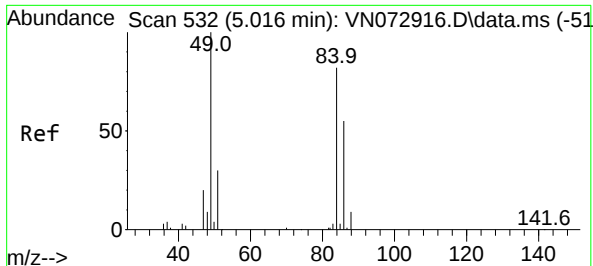
Tgt Ion: 43 Resp: 128462
Ion Ratio Lower Upper
43 100
58 31.7 26.0 39.0



#18
Methyl Acetate
Concen: 1.352 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

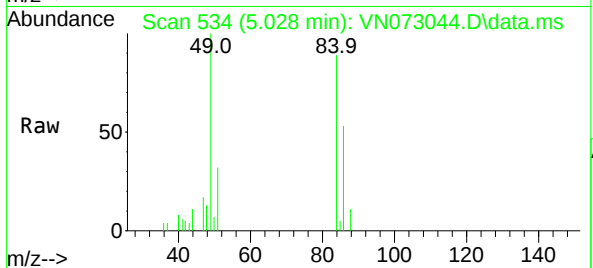
Tgt Ion: 43 Resp: 7849
Ion Ratio Lower Upper
43 100
74 20.8 21.6 32.4#



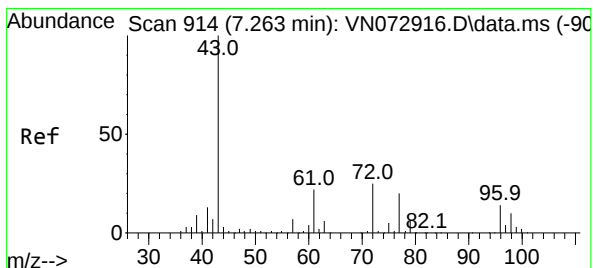
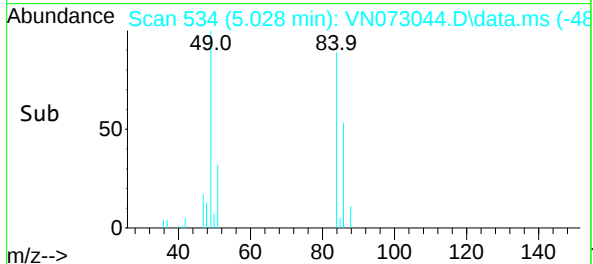
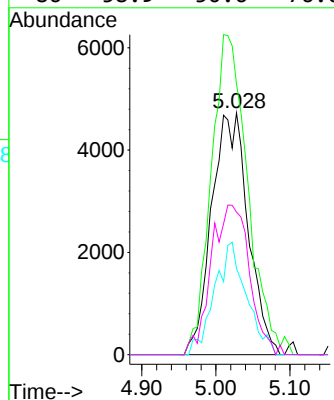


#20
Methylene Chloride
Concen: 4.557 ug/l
RT: 5.028 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

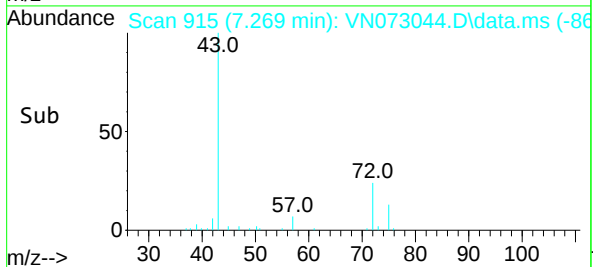
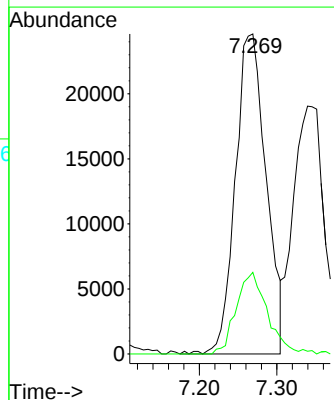
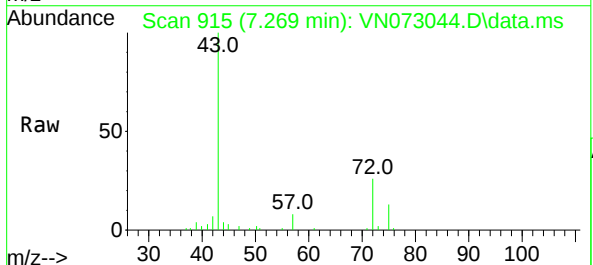


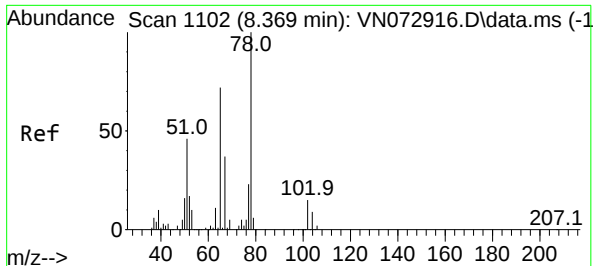
Tgt Ion:	84	Resp:	16146
Ion	Ratio	Lower	Upper
84	100		
49	111.9	88.3	132.5
51	35.7	28.2	42.2
86	58.9	50.6	76.0



#25
2-Butanone
Concen: 19.650 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion:	43	Resp:	67956
Ion	Ratio	Lower	Upper
43	100		
72	25.5	23.7	35.5

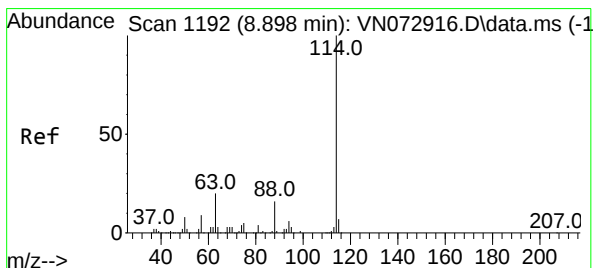
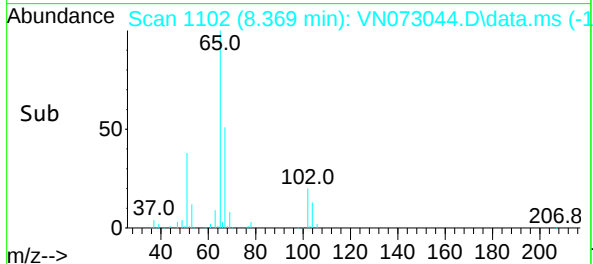
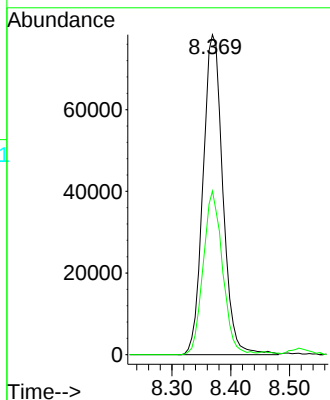
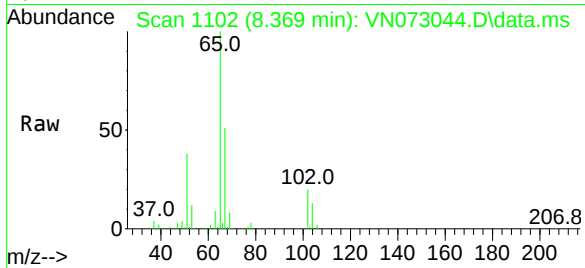




#33
1,2-Dichloroethane-d4
Concen: 46.193 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

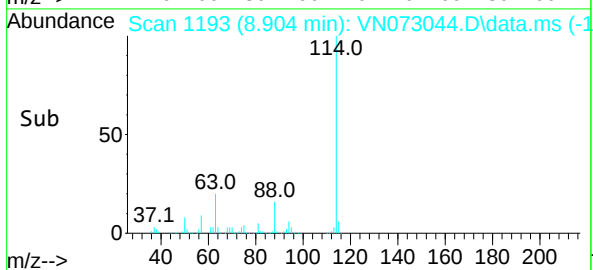
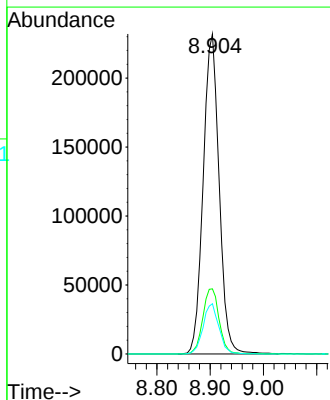
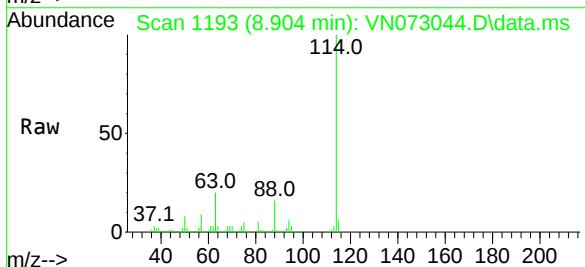
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

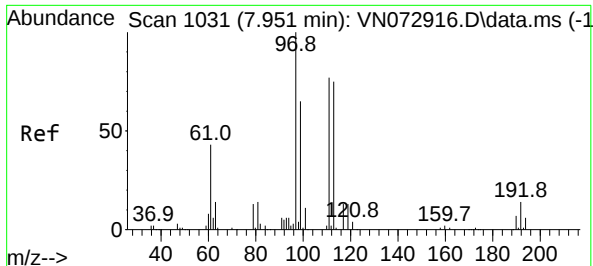
Tgt Ion: 65 Resp: 183143
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 114 Resp: 481469
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.0
88 15.7 0.0 32.6

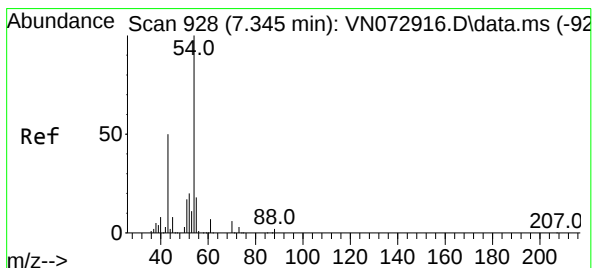
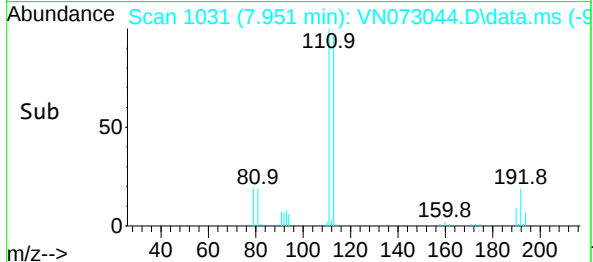
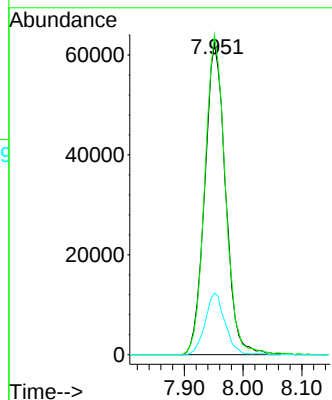
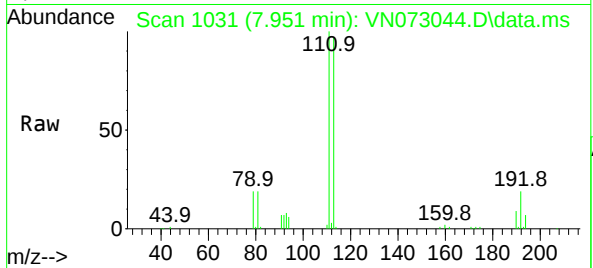




#35
Dibromofluoromethane
Concen: 51.562 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

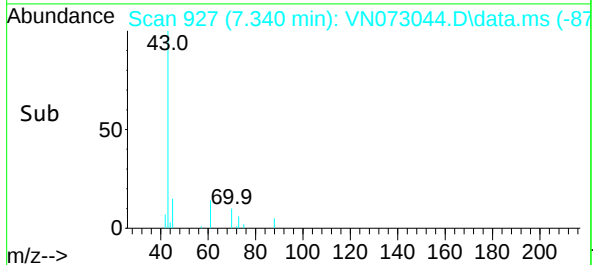
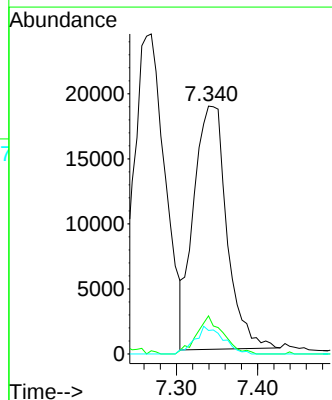
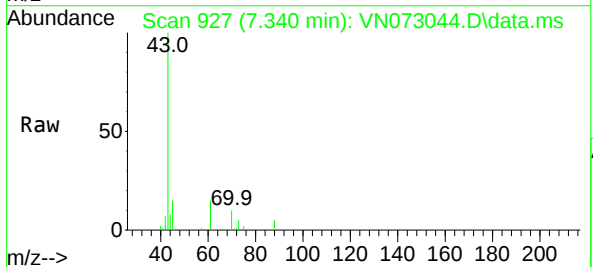
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

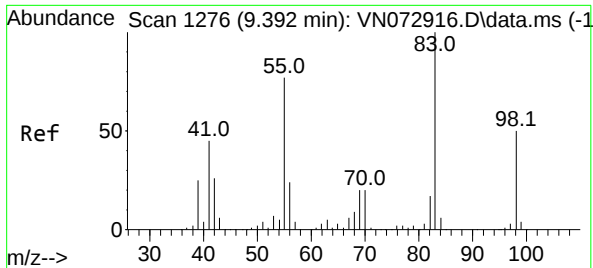
Tgt Ion:113 Resp: 153444
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.0
192 18.8 17.0 25.6



#37
Ethyl Acetate
Concen: 8.252 ug/l
RT: 7.340 min Scan# 927
Delta R.T. -0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 43 Resp: 53152
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 9.6 9.3 13.9





#39

Methylcyclohexane

Concen: 1.044 ug/l

RT: 9.398 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN073044.D

Acq: 23 Jun 2022 13:26

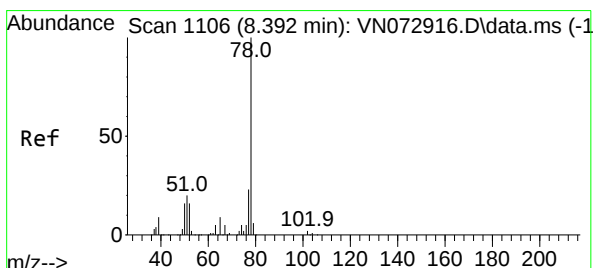
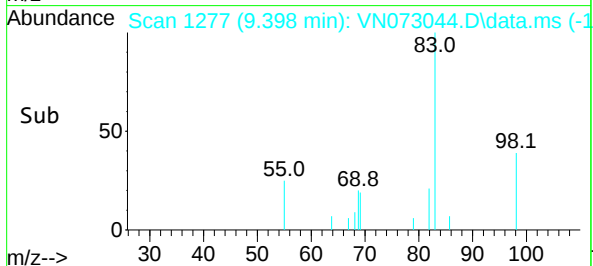
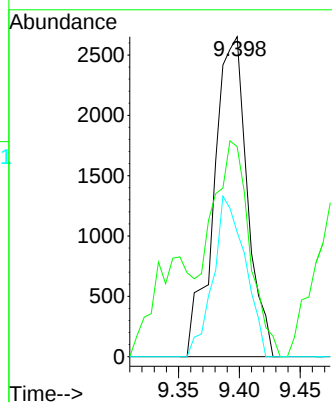
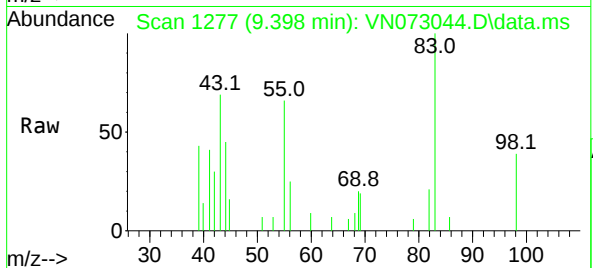
Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-13

Tgt Ion: 83	Resp: 5066
Ion Ratio	Lower Upper
83 100	
55 65.6	57.8 86.8
98 38.9	39.4 59.2#



#40

Benzene

Concen: 1.256 ug/l

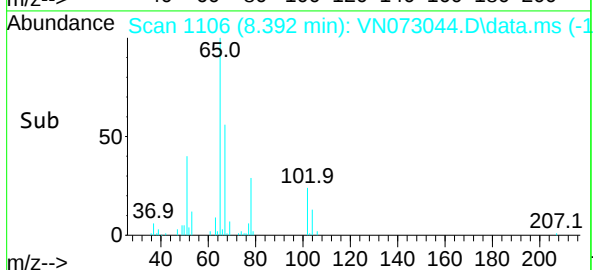
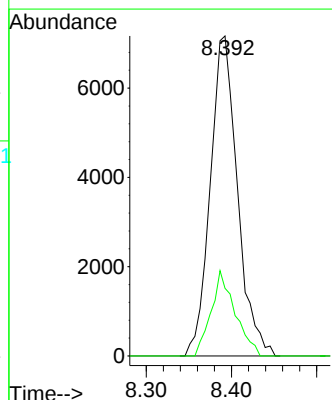
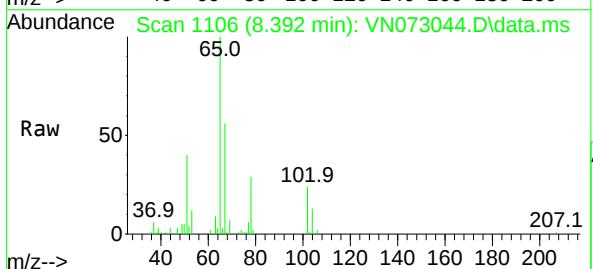
RT: 8.392 min Scan# 1106

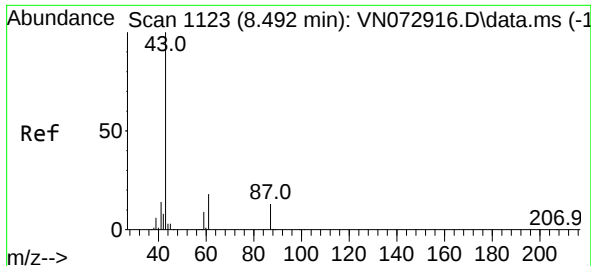
Delta R.T. 0.000 min

Lab File: VN073044.D

Acq: 23 Jun 2022 13:26

Tgt Ion: 78	Resp: 15892
Ion Ratio	Lower Upper
78 100	
77 21.2	19.4 29.0

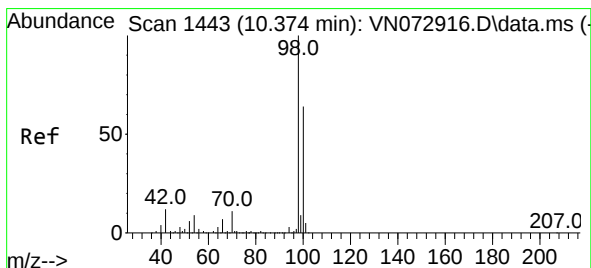
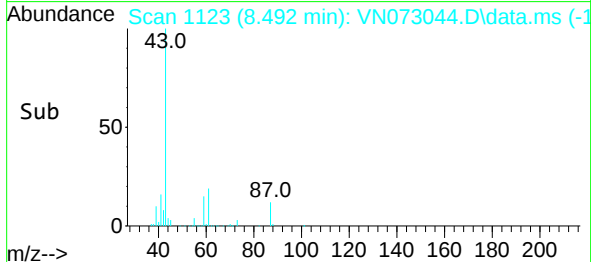
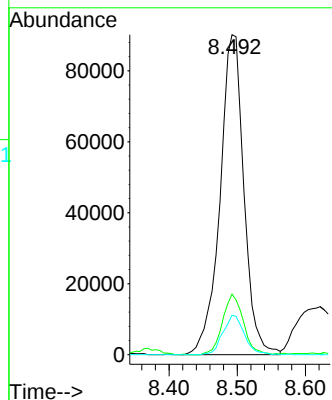
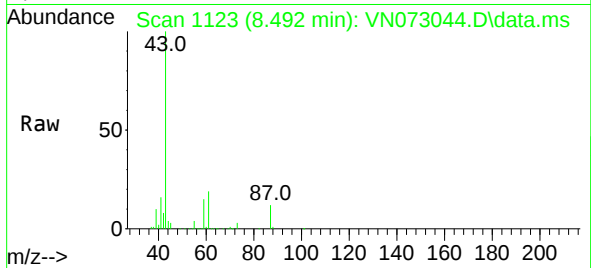




#43
Isopropyl Acetate
Concen: 23.953 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

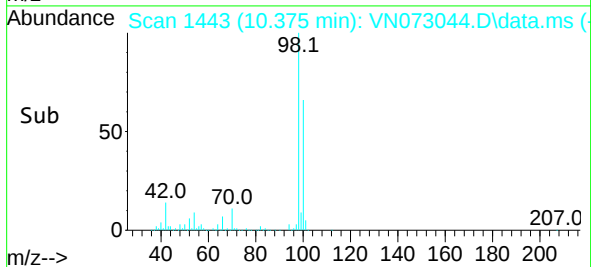
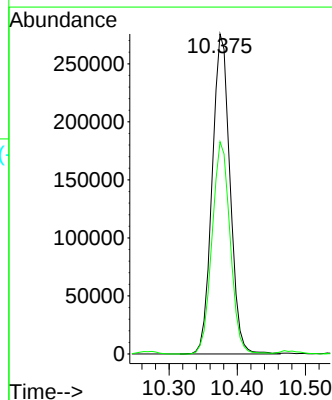
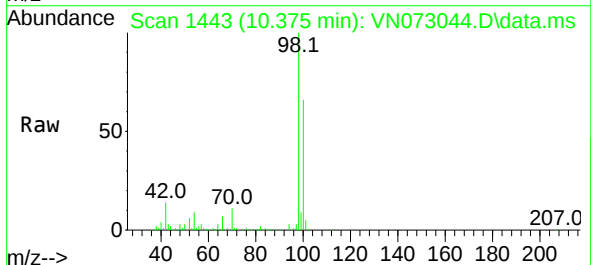
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WC-14A-1A-13

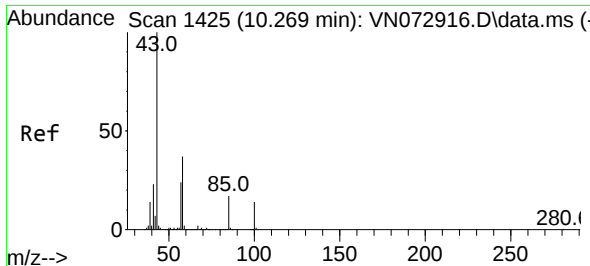
Tgt Ion: 43 Resp: 220534
Ion Ratio Lower Upper
43 100
61 16.4 21.9 32.9#
87 11.0 12.0 18.0#



#50
Toluene-d8
Concen: 45.369 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 98 Resp: 502386
Ion Ratio Lower Upper
98 100
100 67.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 6.133 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VN073044.D

Acq: 23 Jun 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

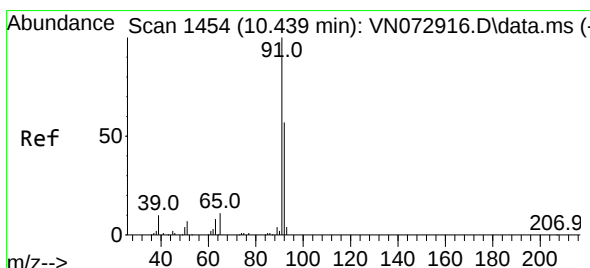
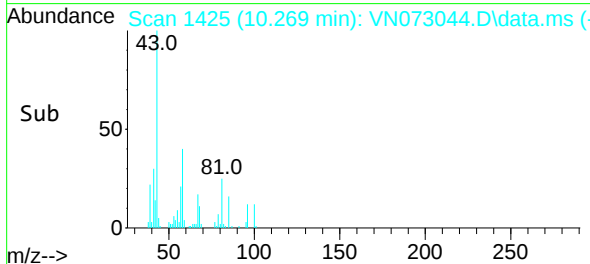
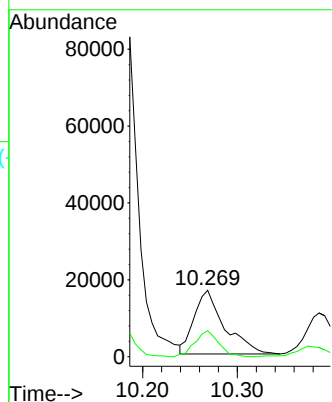
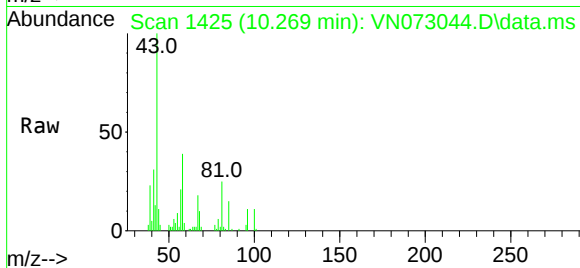
WC-14A-1A-13

Tgt Ion: 43 Resp: 36819

Ion Ratio Lower Upper

43 100

58 31.8 34.1 51.1#



#52

Toluene

Concen: 3.071 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073044.D

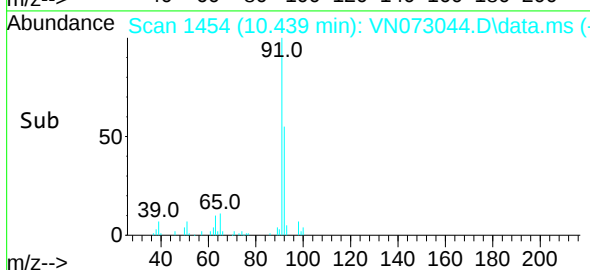
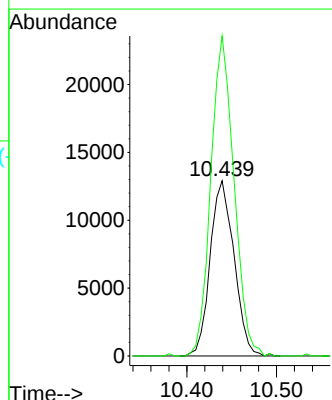
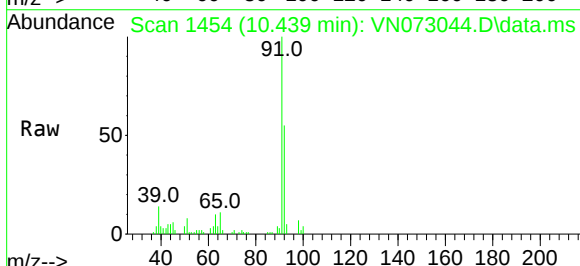
Acq: 23 Jun 2022 13:26

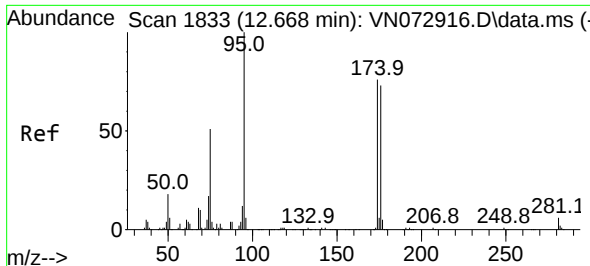
Tgt Ion: 92 Resp: 23862

Ion Ratio Lower Upper

92 100

91 177.3 138.6 207.8

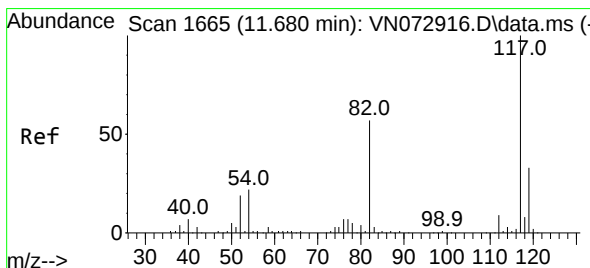
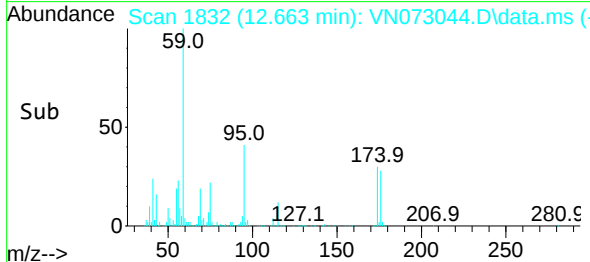
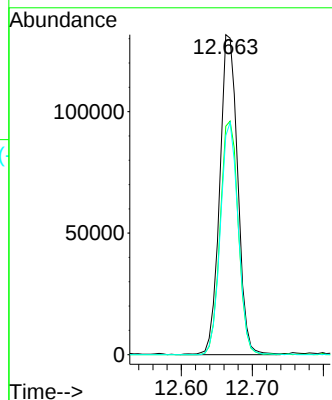
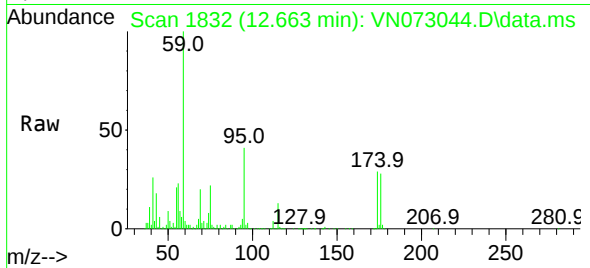




#62
4-Bromofluorobenzene
Concen: 57.925 ug/l
RT: 12.663 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

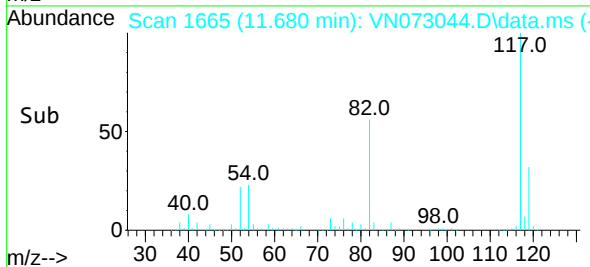
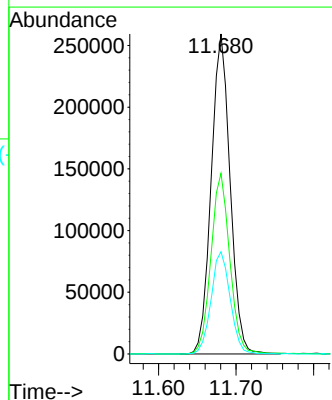
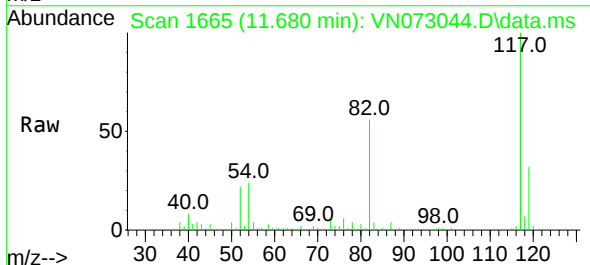
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

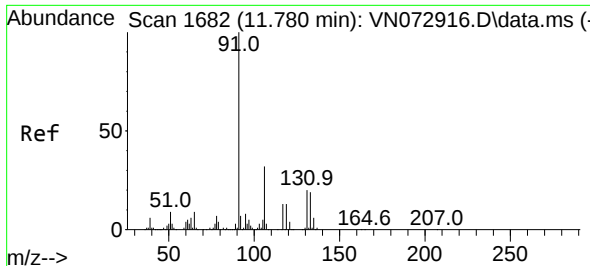
Tgt Ion: 95 Resp: 230649
Ion Ratio Lower Upper
95 100
174 73.3 0.0 167.6
176 71.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 117 Resp: 440620
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 32.0 25.4 38.0

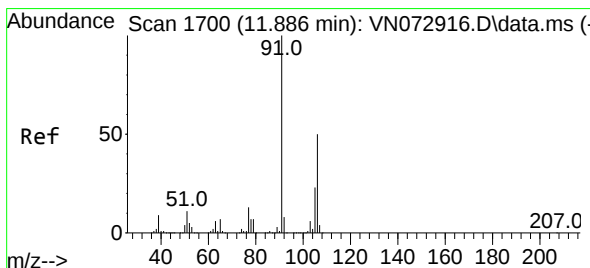
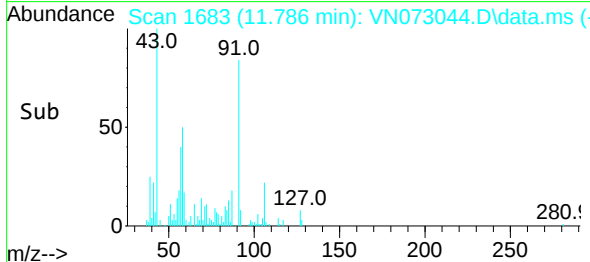
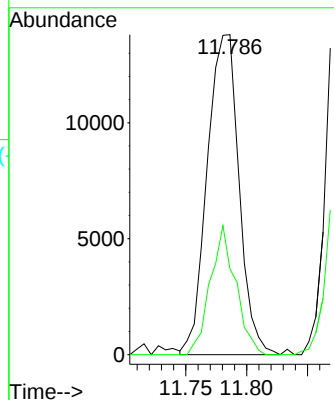
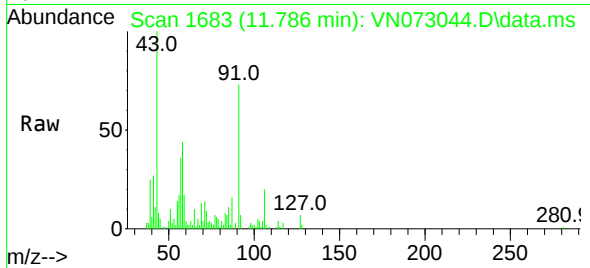




#67
Ethyl Benzene
Concen: 1.657 ug/l
RT: 11.786 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

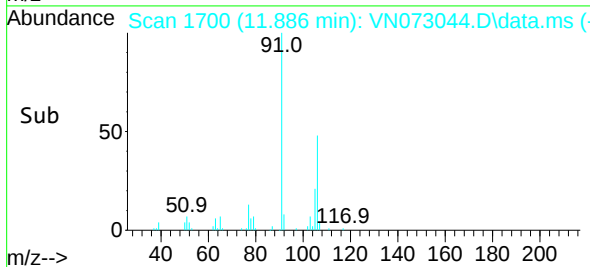
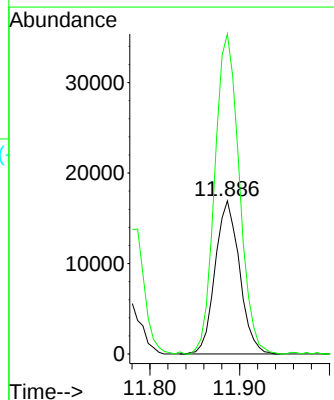
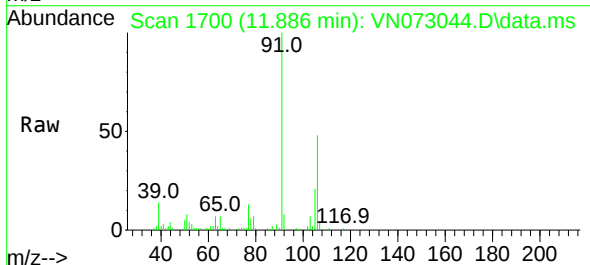
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

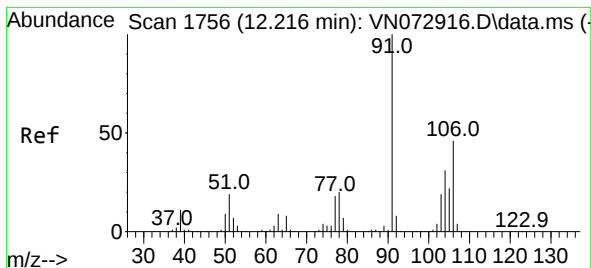
Tgt Ion: 91 Resp: 25096
Ion Ratio Lower Upper
91 100
106 26.8 24.9 37.3



#68
m/p-Xylenes
Concen: 5.379 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion: 106 Resp: 31961
Ion Ratio Lower Upper
106 100
91 209.8 158.9 238.3





#69

o-Xylene

Concen: 4.495 ug/l

RT: 12.216 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073044.D

Acq: 23 Jun 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

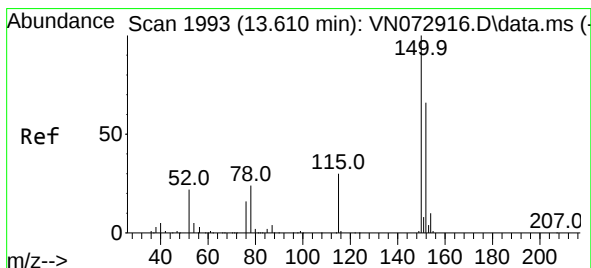
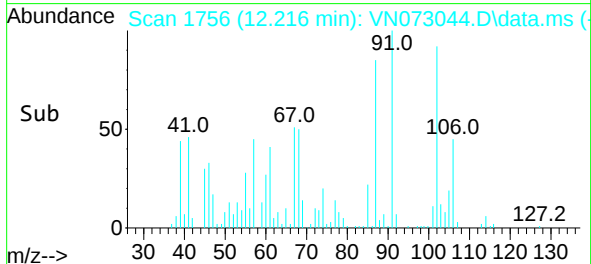
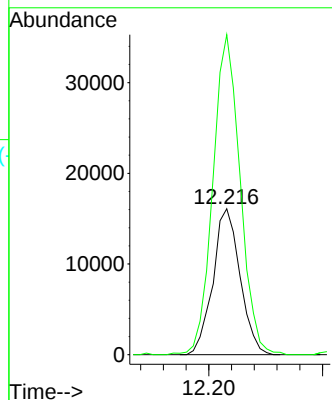
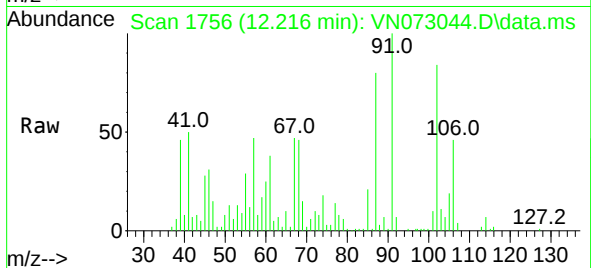
WC-14A-1A-13

Tgt Ion:106 Resp: 26685

Ion Ratio Lower Upper

106 100

91 220.1 106.0 318.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073044.D

Acq: 23 Jun 2022 13:26

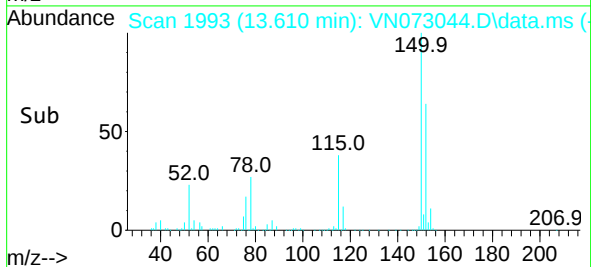
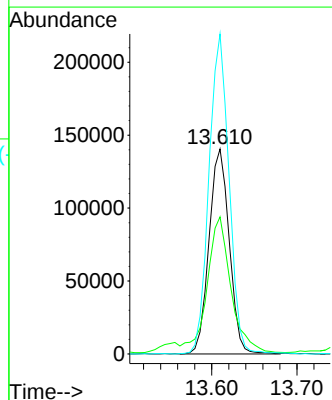
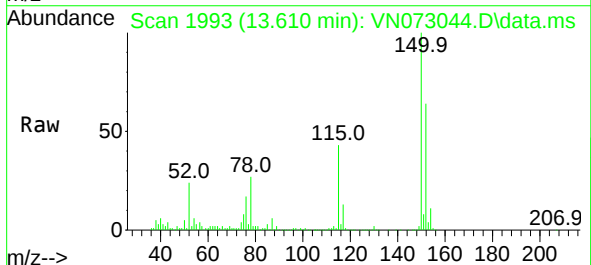
Tgt Ion:152 Resp: 231612

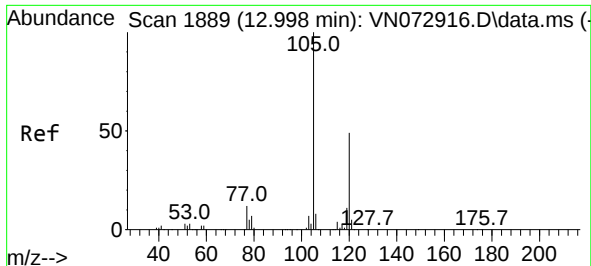
Ion Ratio Lower Upper

152 100

115 77.2 28.9 86.7

150 154.9 0.0 356.2

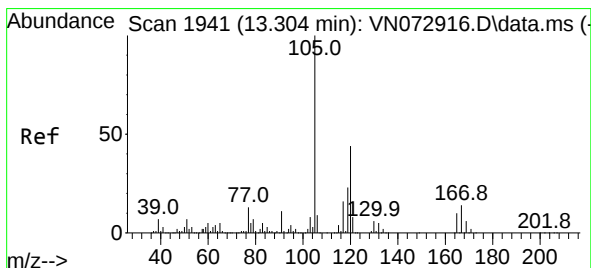
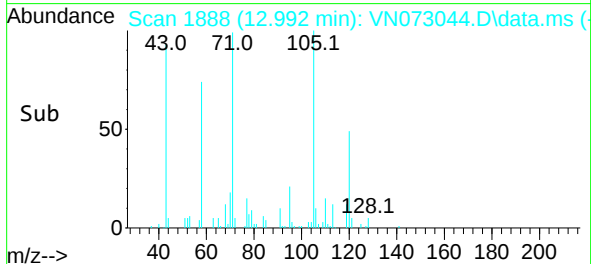
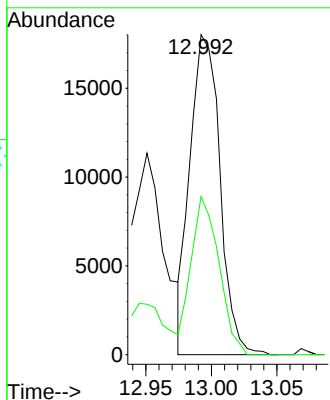
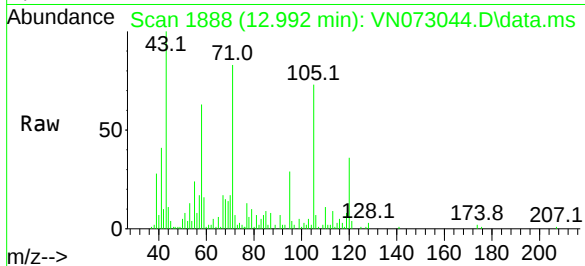




#80
1,3,5-Trimethylbenzene
Concen: 1.938 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

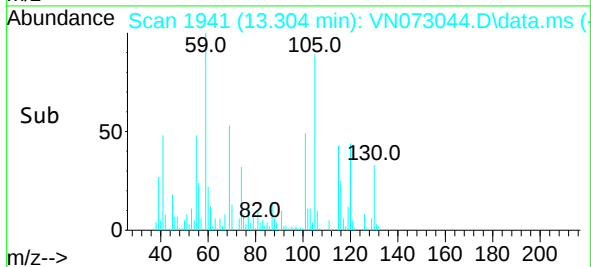
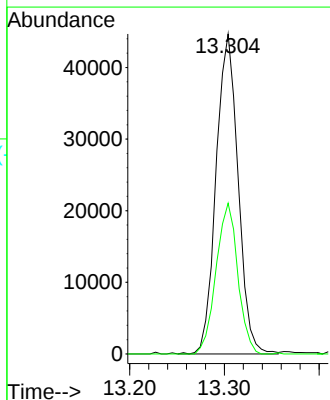
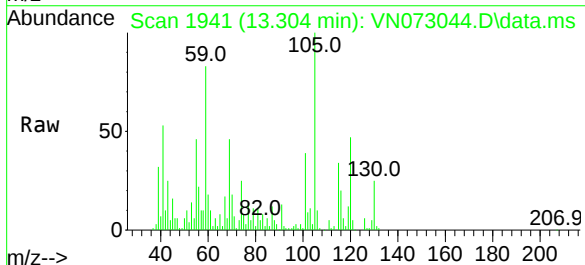
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

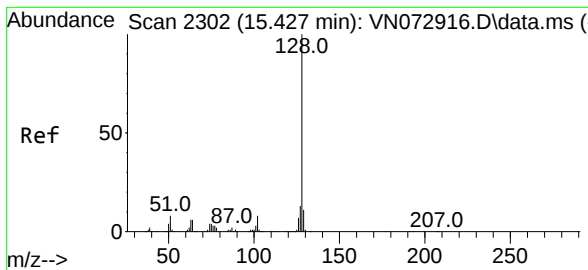
Tgt Ion:105 Resp: 28525
Ion Ratio Lower Upper
105 100
120 46.4 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 4.925 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Tgt Ion:105 Resp: 72202
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.8





#95
Naphthalene
Concen: 4.653 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073044.D
Acq: 23 Jun 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.6	13.0

