

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082417.D
 Acq On : 31 May 2024 18:47
 Operator : JC\MD
 Sample : P2657-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AB-VOC

Quant Time: May 31 23:02:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

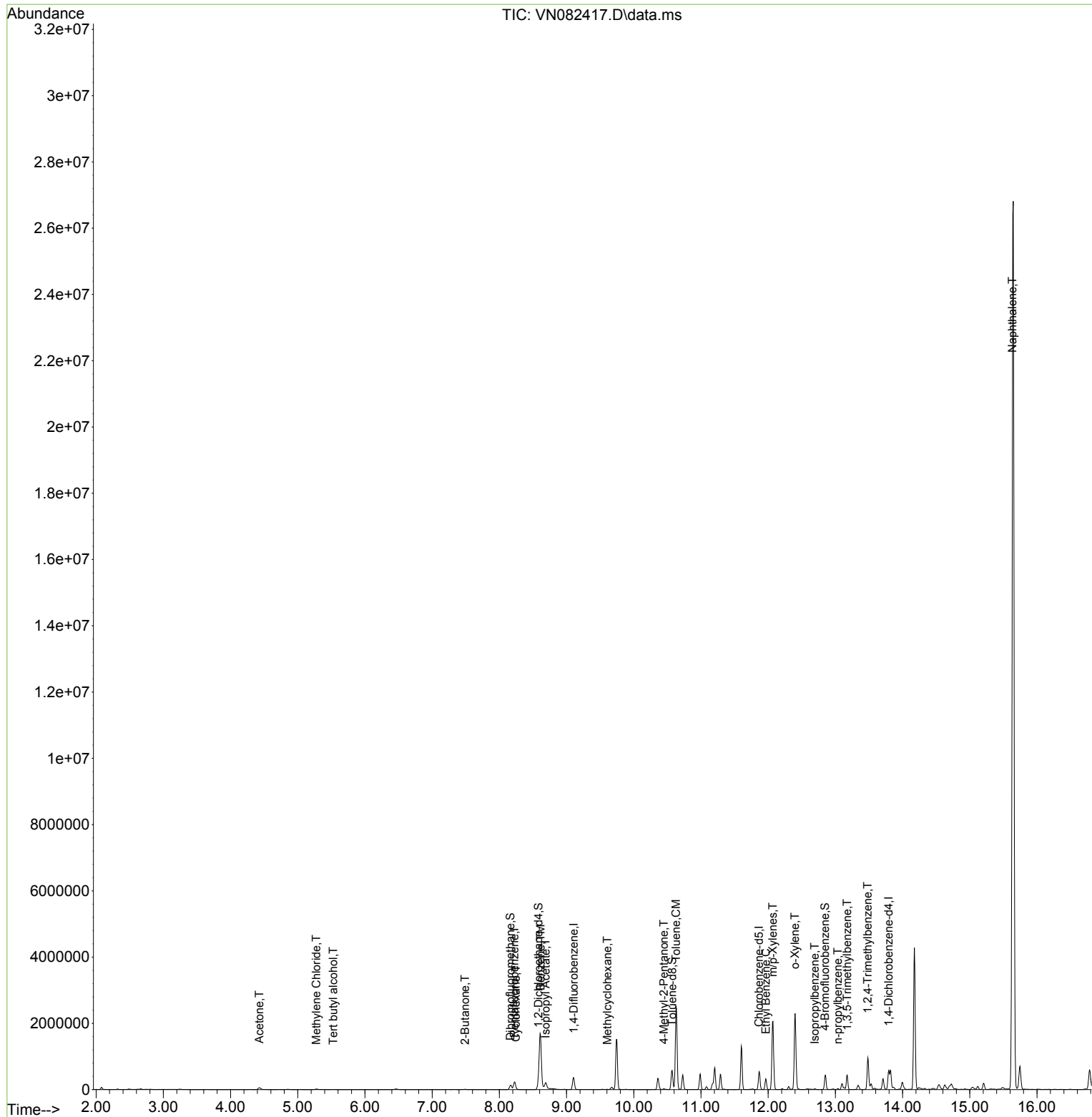
Internal Standards						
1) Pentafluorobenzene	8.224	168	158295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134302	53.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.460%			
35) Dibromofluoromethane	8.165	113	93761	52.437	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.880%			
50) Toluene-d8	10.571	98	377561	55.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.160%			
62) 4-Bromofluorobenzene	12.847	95	137274	56.103	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 112.200%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	4173	10.401	ug/l #	89
16) Acetone	4.430	43	110128	107.406	ug/l	94
20) Methylene Chloride	5.277	84	12704	6.141	ug/l #	77
25) 2-Butanone	7.488	43	17364	11.170	ug/l #	80
31) Cyclohexane	8.247	56	10246	2.567	ug/l #	73
39) Methylcyclohexane	9.606	83	3357	1.021	ug/l #	81
40) Benzene	8.612	78	1594334	178.284	ug/l	99
43) Isopropyl Acetate	8.688	43	320369	53.873	ug/l #	71
51) 4-Methyl-2-Pentanone	10.447	43	20639	6.108	ug/l #	77
52) Toluene	10.629	92	1050960	195.835	ug/l	99
67) Ethyl Benzene	11.965	91	209416	18.561	ug/l	98
68) m/p-Xylenes	12.071	106	608642	147.189	ug/l	93
69) o-Xylene	12.400	106	548361	136.900	ug/l	92
73) Isopropylbenzene	12.694	105	13463	1.243	ug/l	98
78) n-propylbenzene	13.035	91	23565	1.837	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	231961	26.485	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	538467	60.095	ug/l	95
95) Naphthalene	15.635	128	20126168	2588.289	ug/l #	92

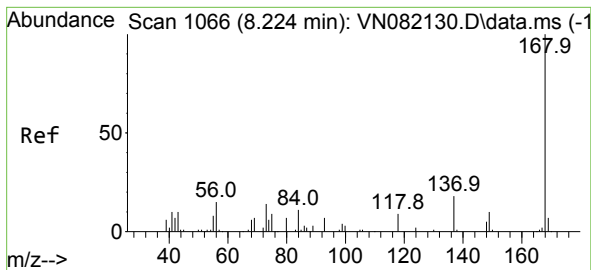
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082417.D

Acq: 31 May 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

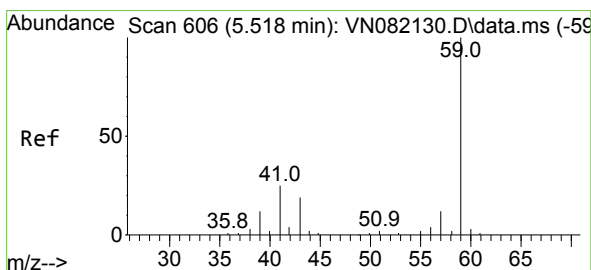
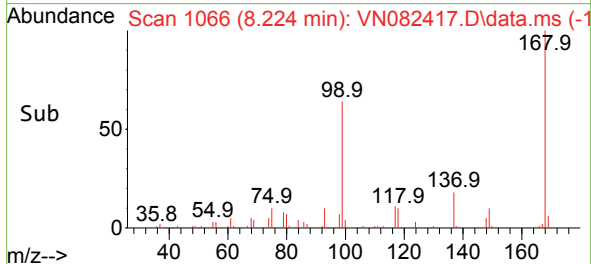
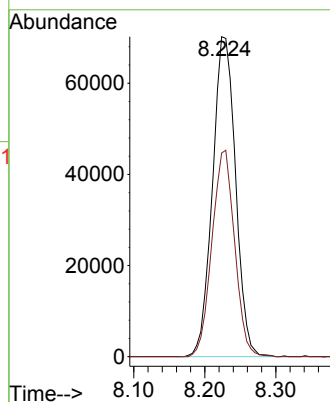
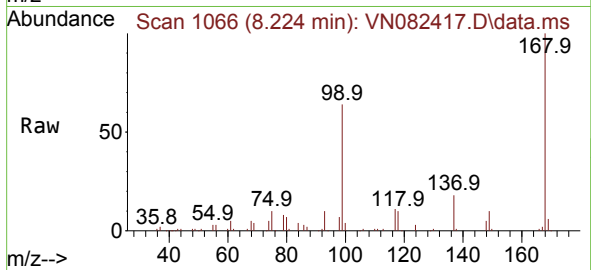
2-AB-VOC

Tgt Ion:168 Resp: 158295

Ion Ratio Lower Upper

168 100

99 63.6 48.2 72.4



#11

Tert butyl alcohol

Concen: 10.401 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.012 min

Lab File: VN082417.D

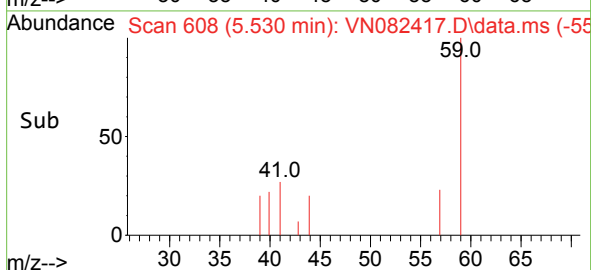
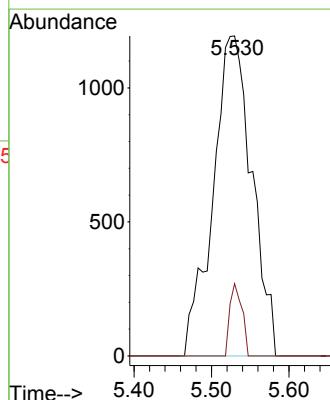
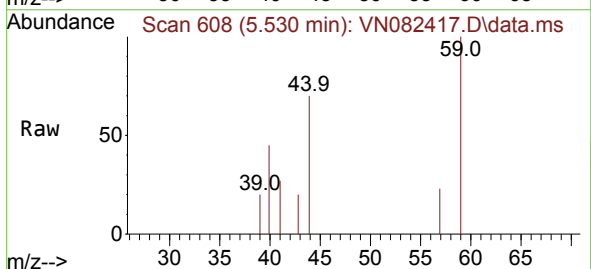
Acq: 31 May 2024 18:47

Tgt Ion: 59 Resp: 4173

Ion Ratio Lower Upper

59 100

57 7.0 8.9 13.3#

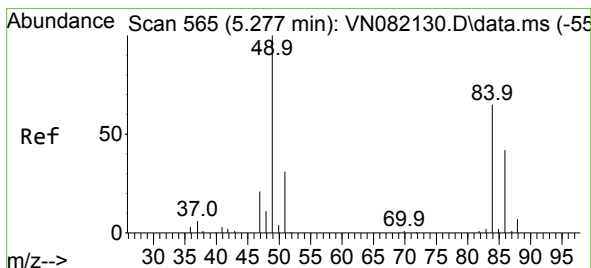
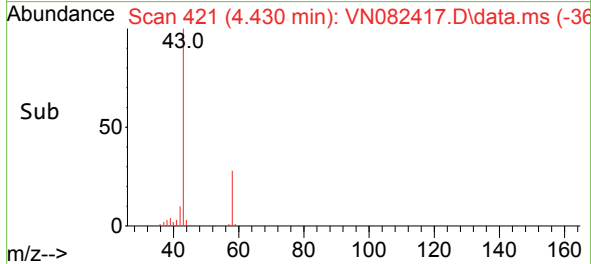
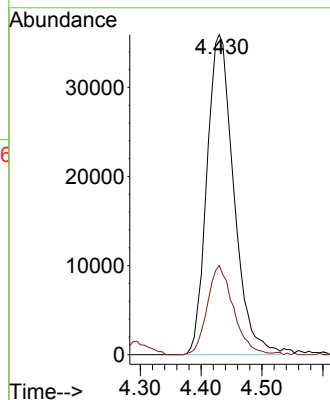
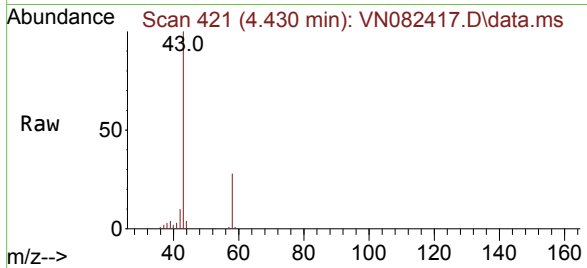




#16
Acetone
Concen: 107.406 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

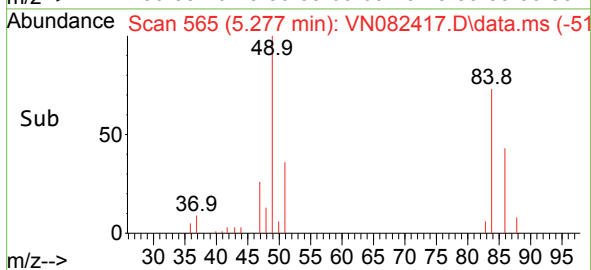
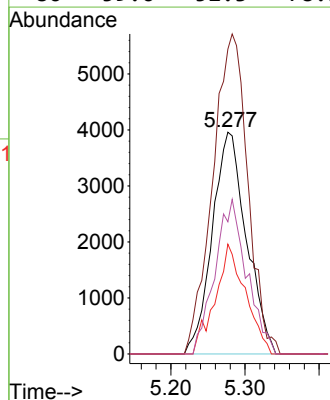
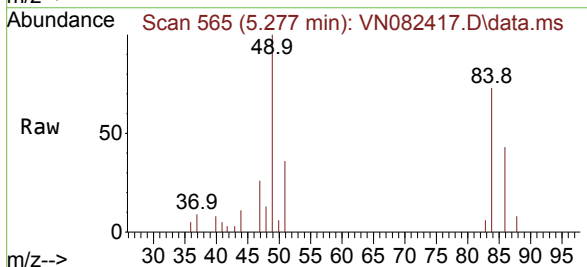
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2-AB-VOC

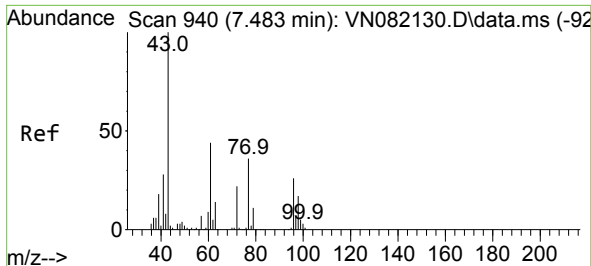
Tgt Ion: 43 Resp: 110128
Ion Ratio Lower Upper
43 100
58 27.9 25.2 37.8



#20
Methylene Chloride
Concen: 6.141 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 84 Resp: 12704
Ion Ratio Lower Upper
84 100
49 137.4 84.9 127.3#
51 49.5 27.0 40.6#
86 59.6 52.3 78.5

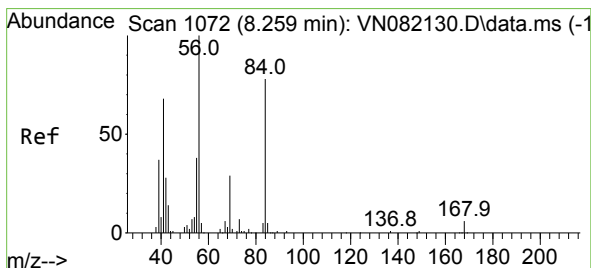
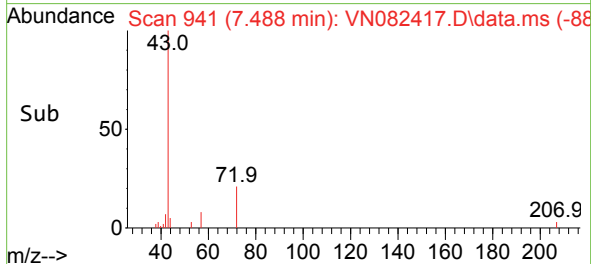
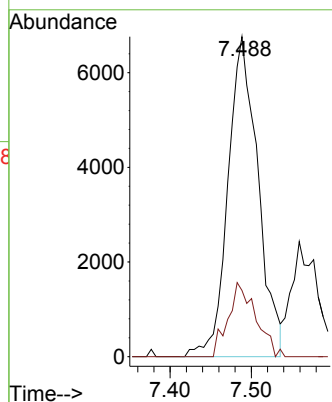
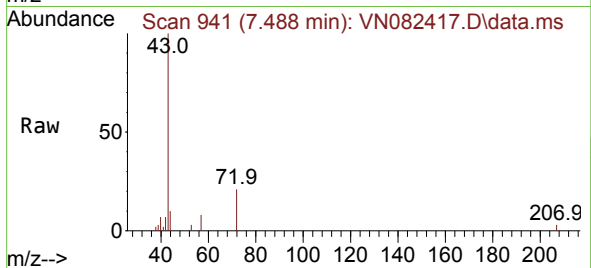




#25
2-Butanone
Concen: 11.170 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

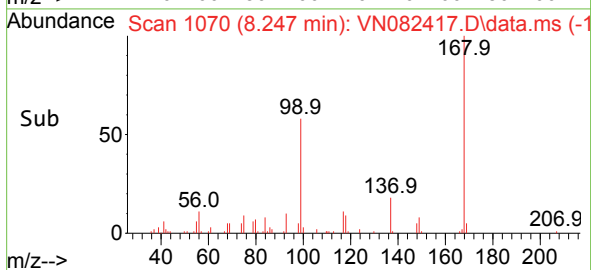
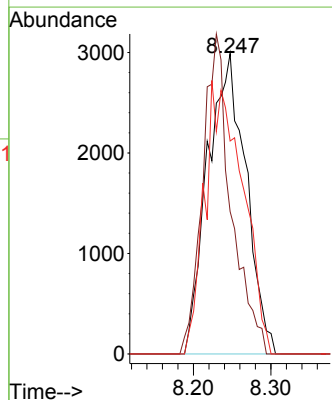
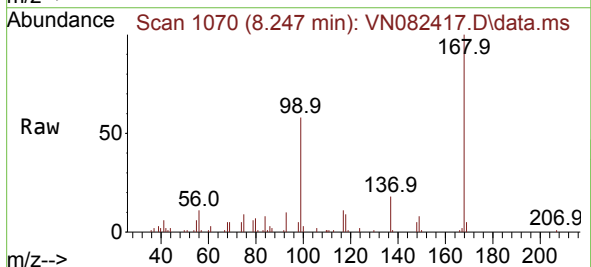
Instrument :
MSVOA_N
ClientSampleId :
2-AB-VOC

Tgt Ion: 43 Resp: 17364
Ion Ratio Lower Upper
43 100
72 20.7 25.3 37.9#



#31
Cyclohexane
Concen: 2.567 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.012 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 56 Resp: 10246
Ion Ratio Lower Upper
56 100
69 47.4 24.4 36.6#
84 70.9 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.731 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082417.D

Acq: 31 May 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

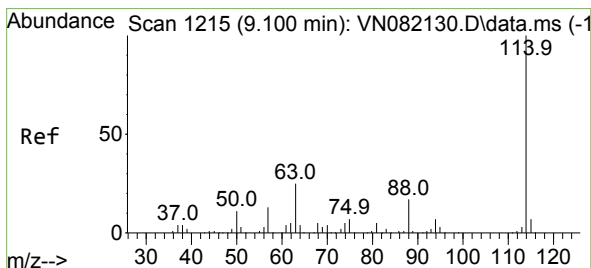
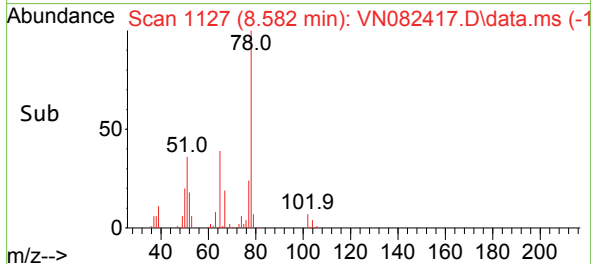
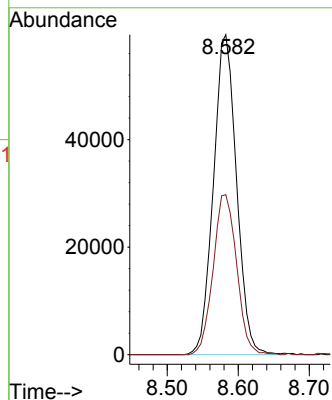
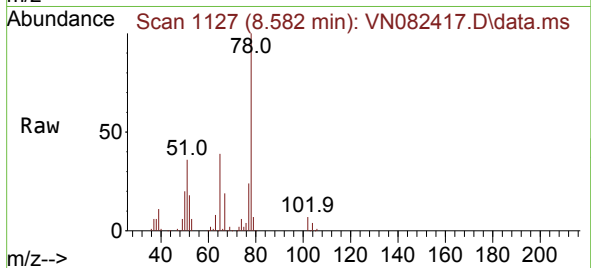
2-AB-VOC

Tgt Ion: 65 Resp: 134302

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082417.D

Acq: 31 May 2024 18:47

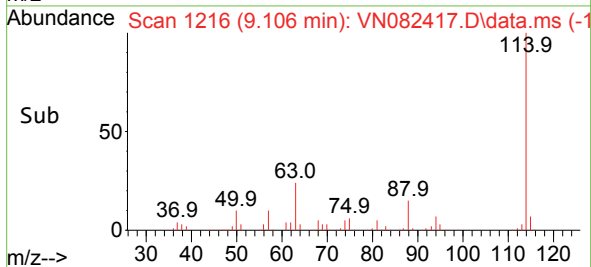
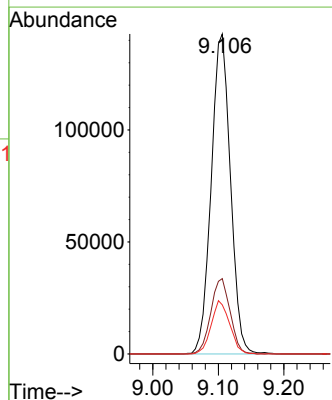
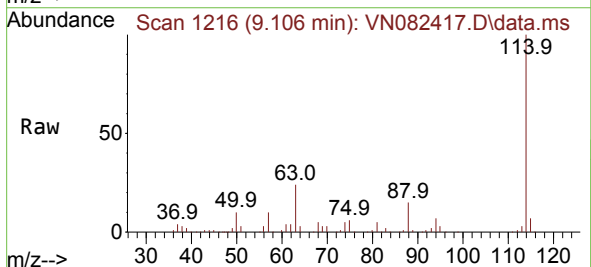
Tgt Ion: 114 Resp: 290670

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 15.4 0.0 31.4

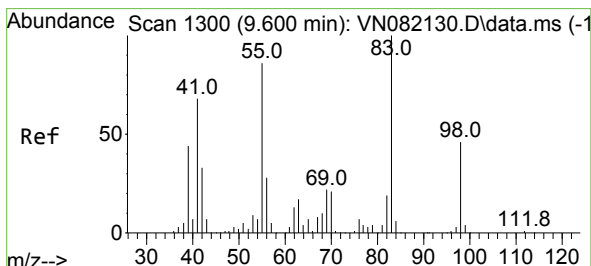
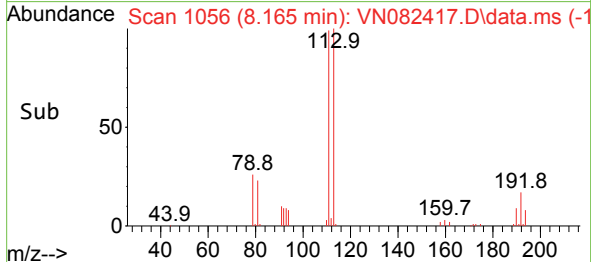
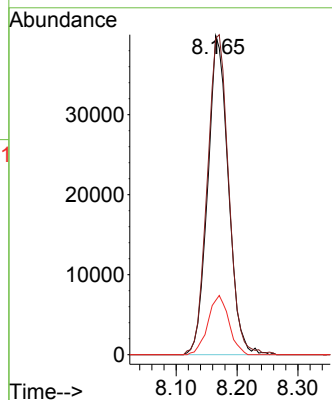
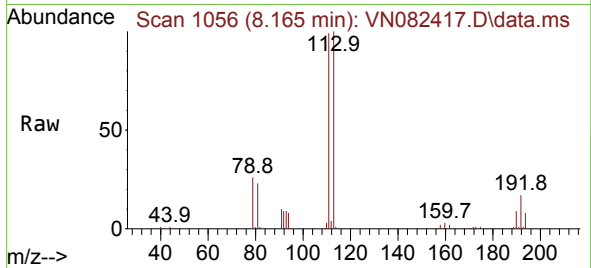




#35
Dibromofluoromethane
Concen: 52.437 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

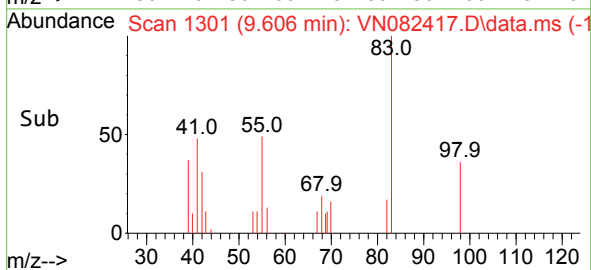
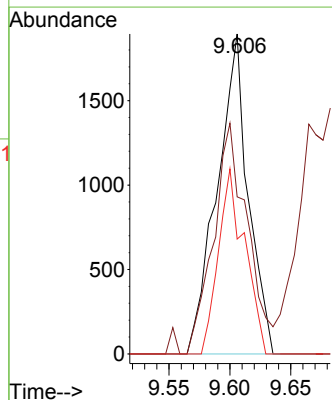
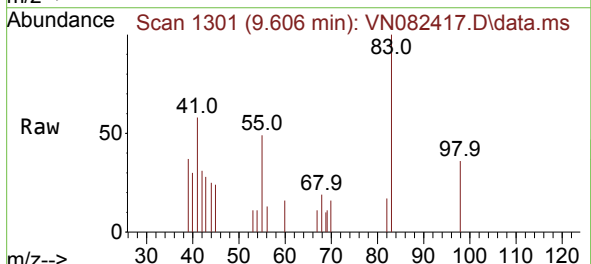
Instrument :
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2-AB-VOC

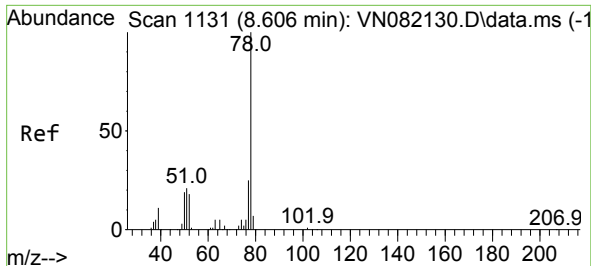
Tgt Ion:113 Resp: 93761
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.2
192 18.8 14.0 21.0



#39
Methylcyclohexane
Concen: 1.021 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 83 Resp: 3357
Ion Ratio Lower Upper
83 100
55 49.1 53.0 79.6#
98 35.9 37.1 55.7#

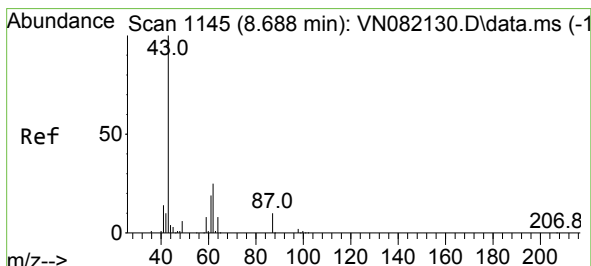
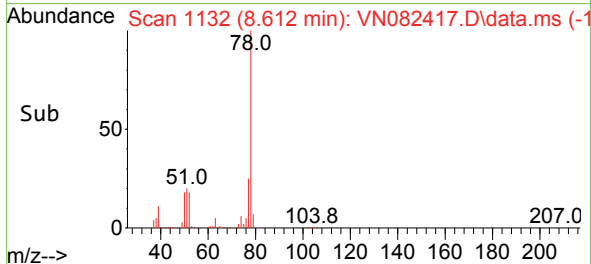
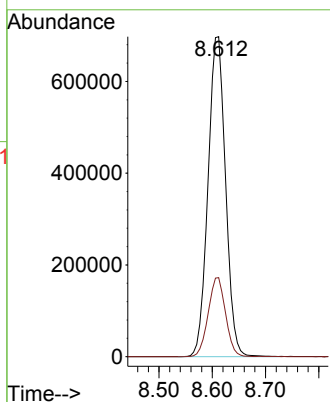
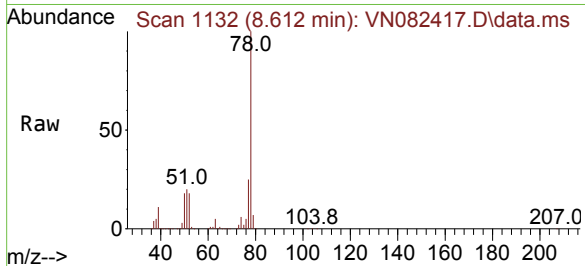




#40
Benzene
Concen: 178.284 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

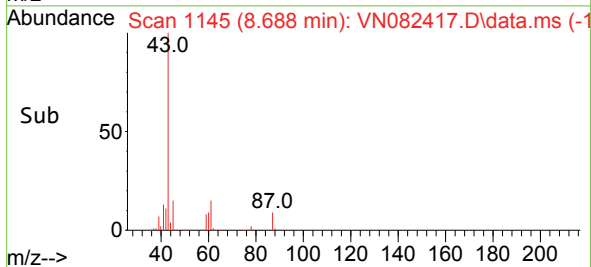
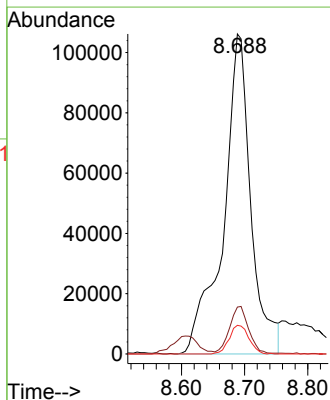
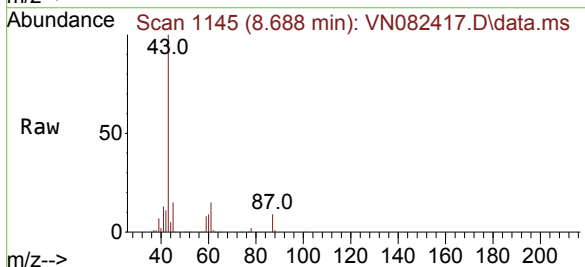
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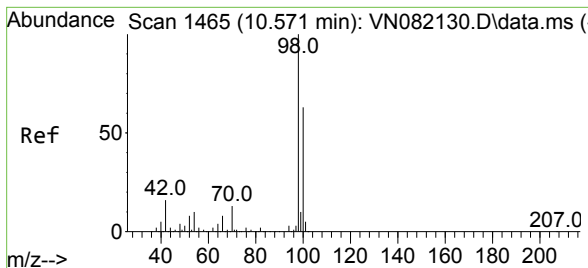
Tgt Ion: 78 Resp: 1594334
Ion Ratio Lower Upper
78 100
77 24.7 20.0 30.0



#43
Isopropyl Acetate
Concen: 53.873 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 43 Resp: 320369
Ion Ratio Lower Upper
43 100
61 10.6 22.8 34.2#
87 6.4 12.0 18.0#

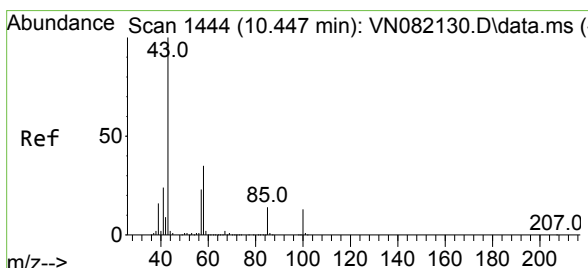
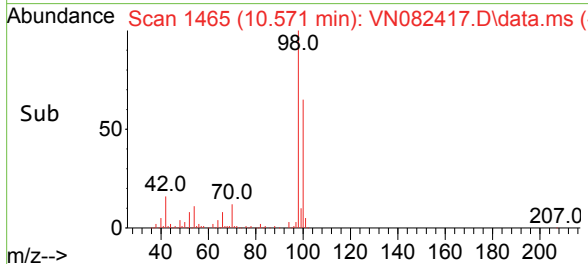
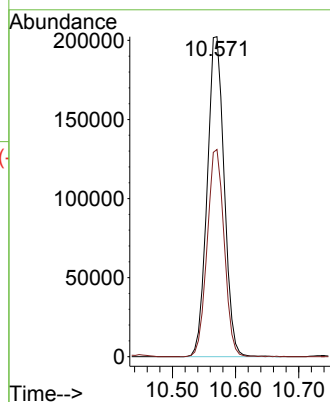
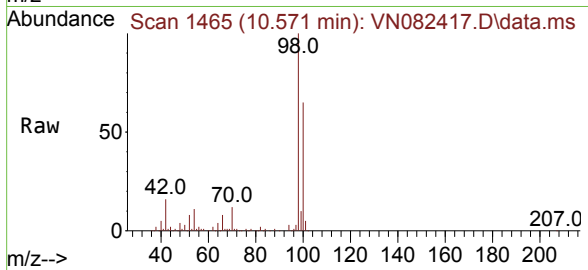




#50
Toluene-d8
Concen: 55.076 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

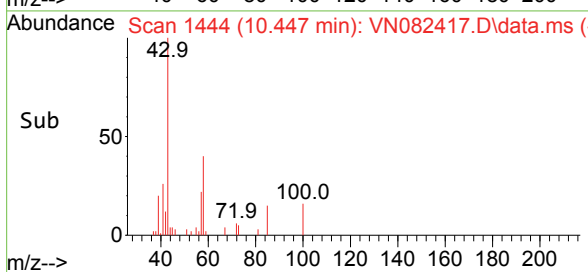
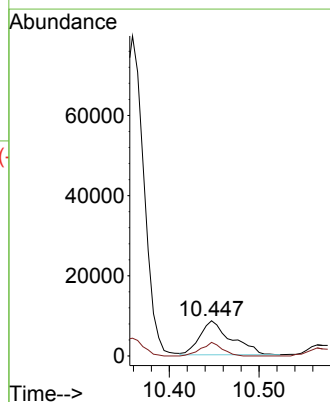
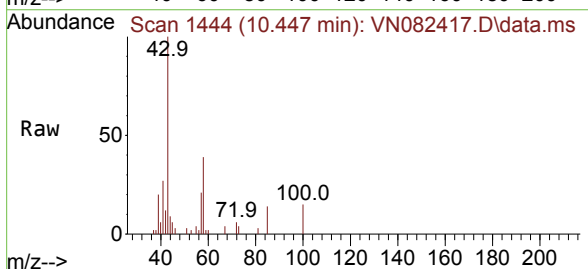
Instrument :
MSVOA_N
ClientSampleId :
2-AB-VOC

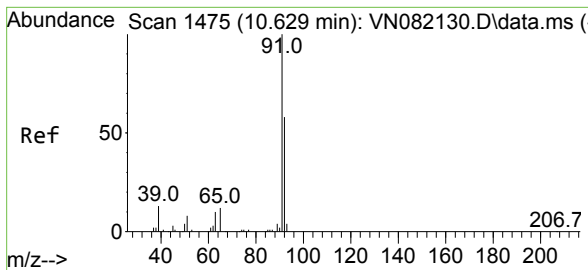
Tgt Ion: 98 Resp: 377561
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 6.108 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 43 Resp: 20639
Ion Ratio Lower Upper
43 100
58 26.9 33.2 49.8#

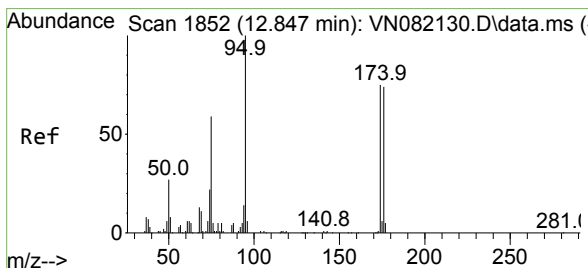
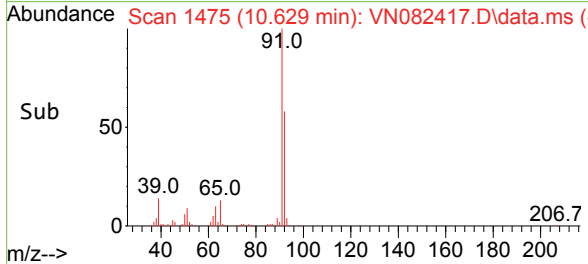
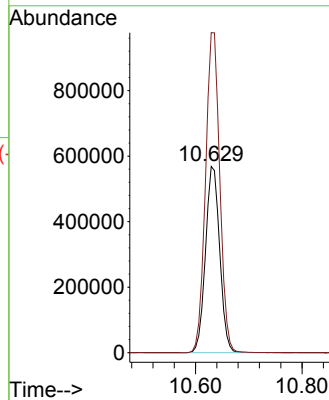
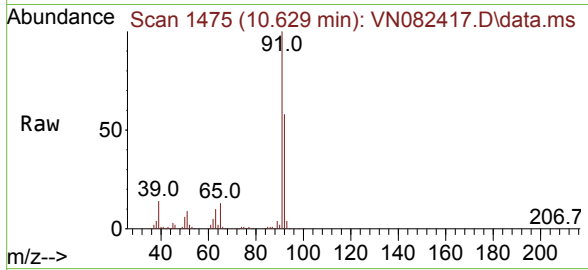




#52
Toluene
Concen: 195.835 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

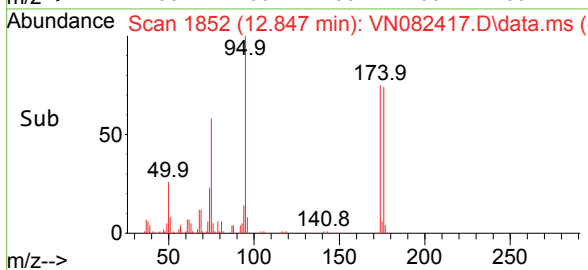
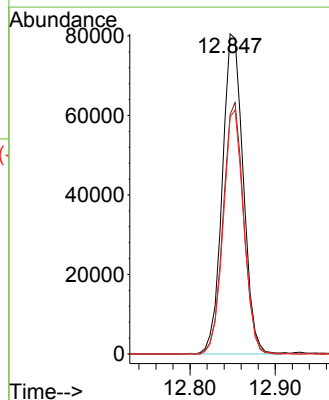
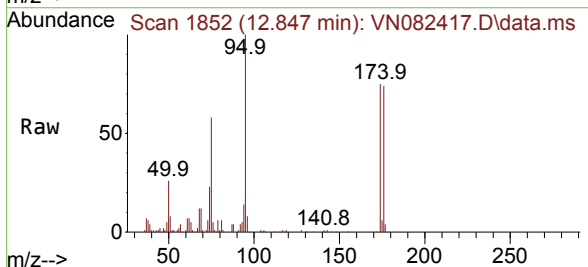
Instrument :
MSVOA_N
ClientSampleId :
2-AB-VOC

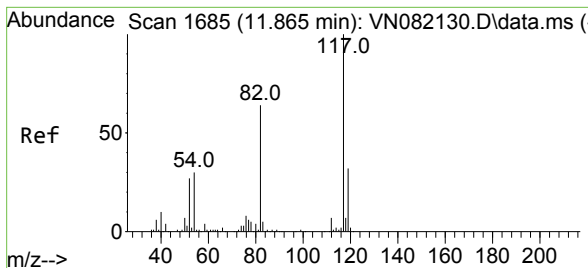
Tgt Ion: 92 Resp: 1050960
Ion Ratio Lower Upper
92 100
91 172.8 136.7 205.1



#62
4-Bromofluorobenzene
Concen: 56.103 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion: 95 Resp: 137274
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.6
176 74.4 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082417.D

Acq: 31 May 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

2-AB-VOC

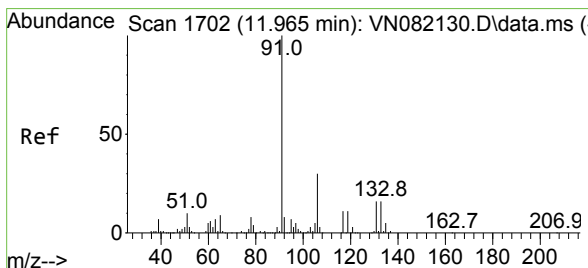
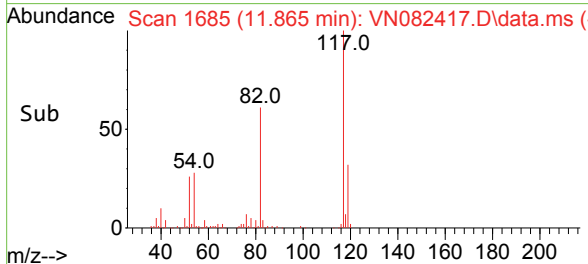
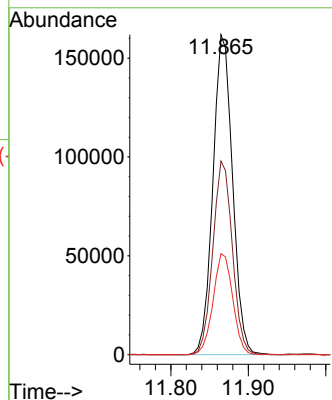
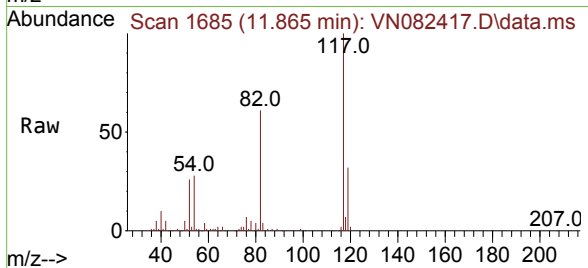
Tgt Ion:117 Resp: 285500

Ion Ratio Lower Upper

117 100

82 60.5 44.6 66.8

119 31.5 25.9 38.9



#67

Ethyl Benzene

Concen: 18.561 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN082417.D

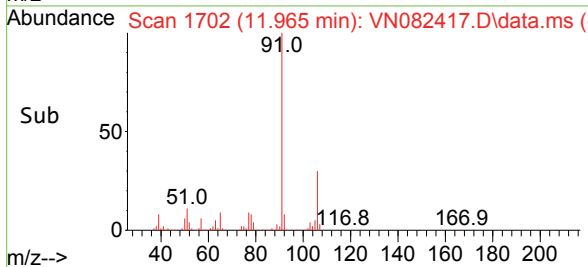
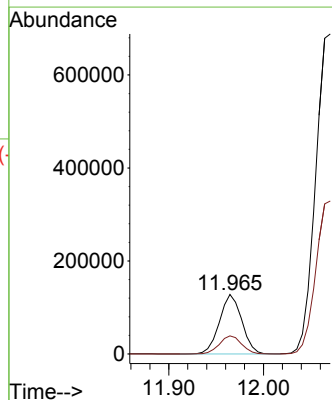
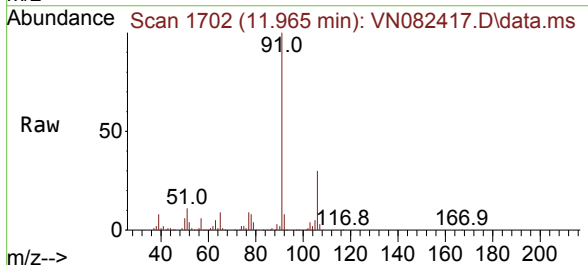
Acq: 31 May 2024 18:47

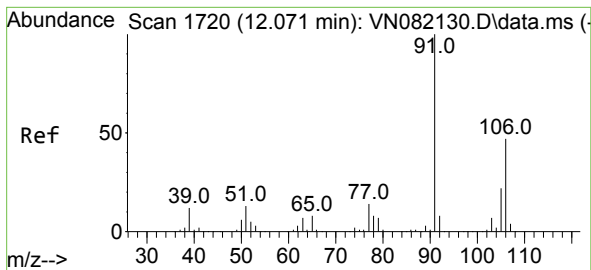
Tgt Ion: 91 Resp: 209416

Ion Ratio Lower Upper

91 100

106 30.5 25.3 37.9

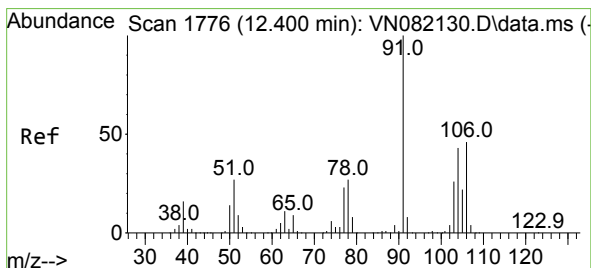
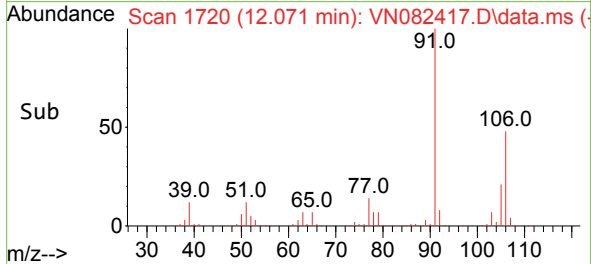
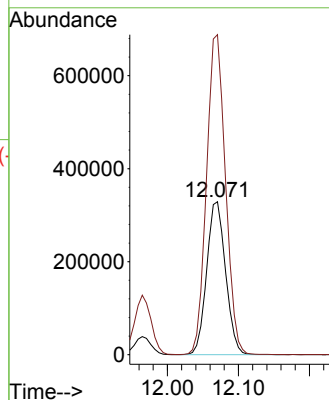
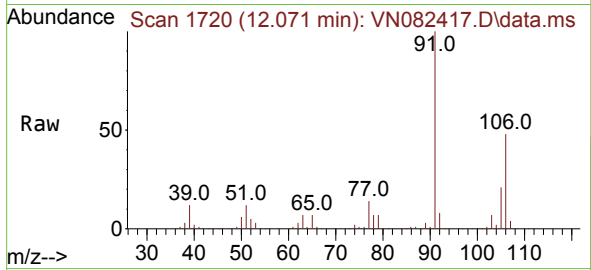




#68
m/p-Xylenes
Concen: 147.189 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

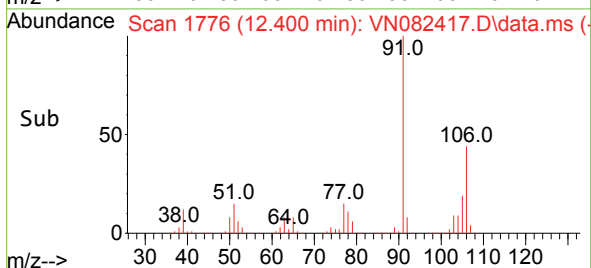
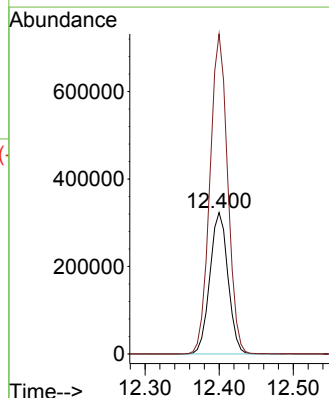
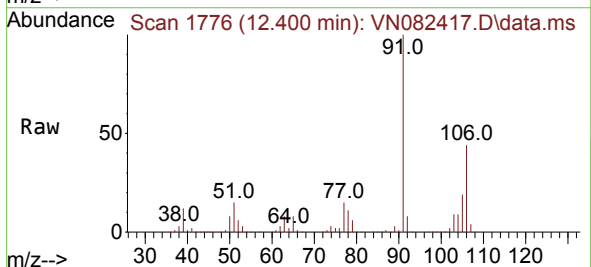
Instrument :
MSVOA_N
ClientSampleId :
2-AB-VOC

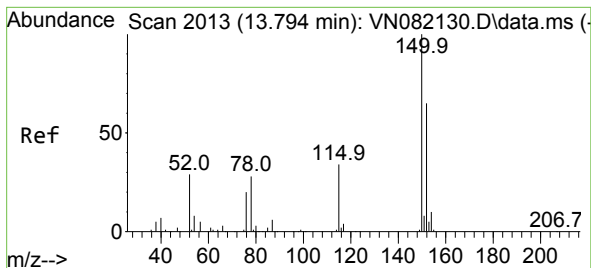
Tgt Ion:106 Resp: 608642
Ion Ratio Lower Upper
106 100
91 210.1 159.4 239.0



#69
o-Xylene
Concen: 136.900 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082417.D
Acq: 31 May 2024 18:47

Tgt Ion:106 Resp: 548361
Ion Ratio Lower Upper
106 100
91 222.4 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082417.D

Acq: 31 May 2024 18:47

Instrument :

MSVOA_N

ClientSampleId :

2-AB-VOC

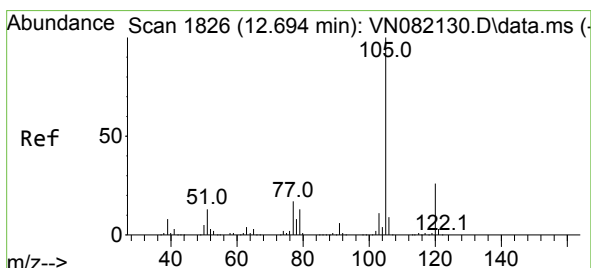
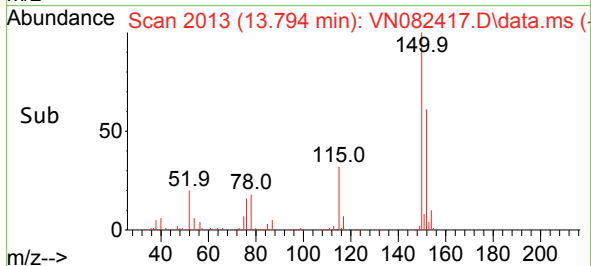
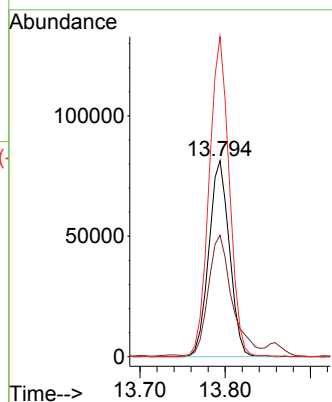
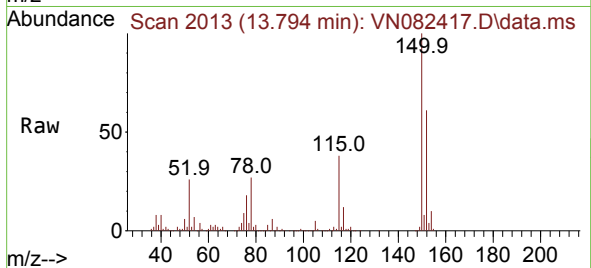
Tgt Ion:152 Resp: 136338

Ion Ratio Lower Upper

152 100

115 70.4 30.4 91.3

150 160.2 0.0 353.2



#73

Isopropylbenzene

Concen: 1.243 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN082417.D

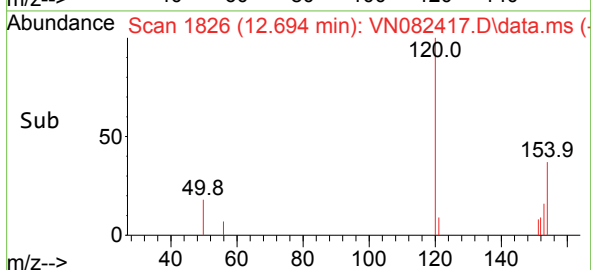
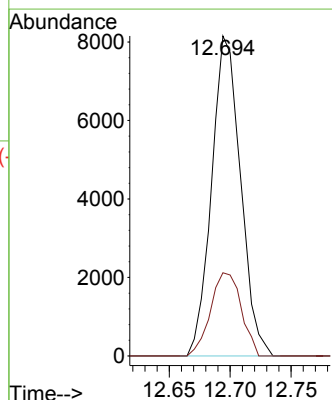
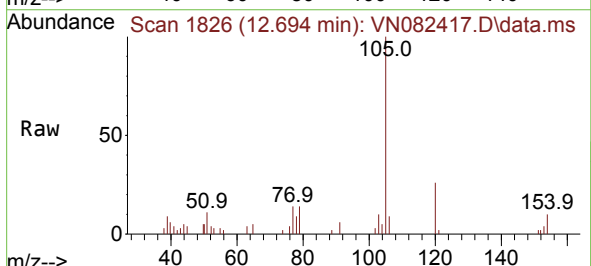
Acq: 31 May 2024 18:47

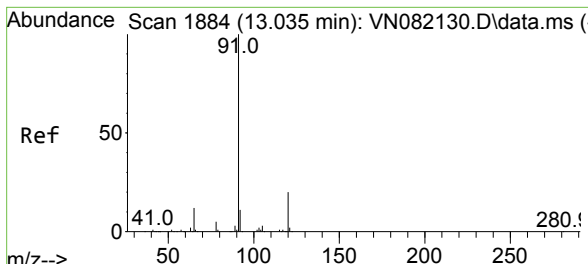
Tgt Ion:105 Resp: 13463

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.1

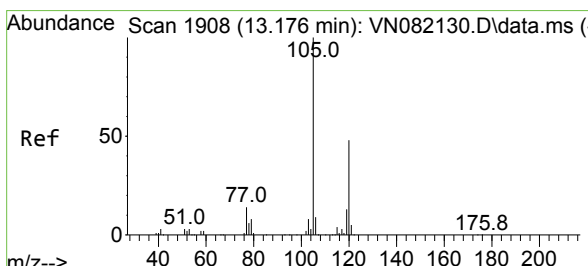
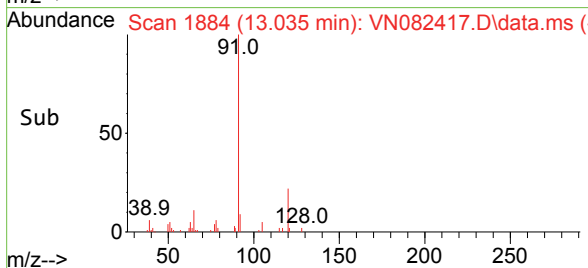
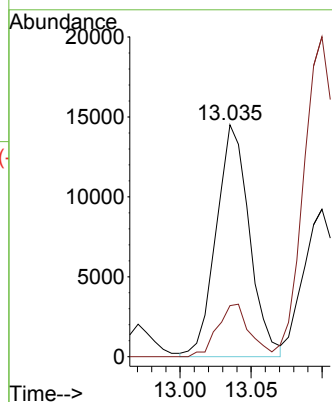
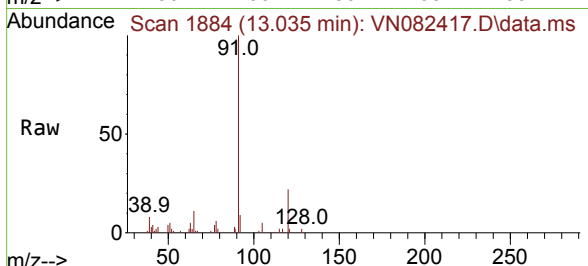




#78
 n-propylbenzene
 Concen: 1.837 ug/l
 RT: 13.035 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN082417.D
 Acq: 31 May 2024 18:47

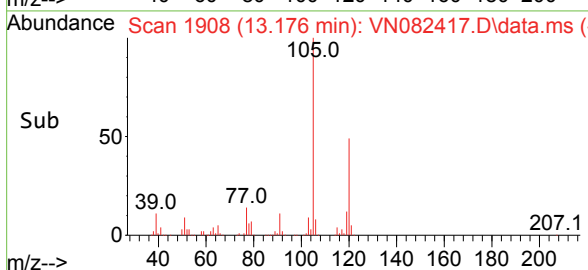
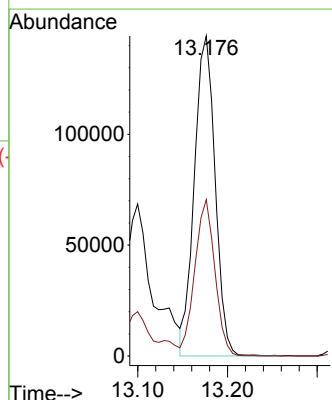
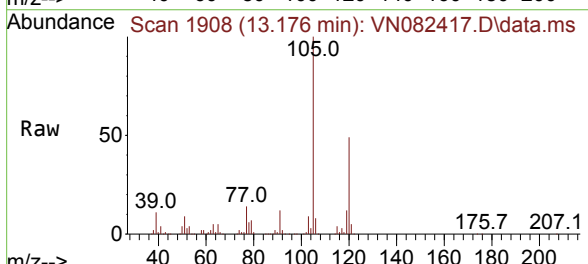
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AB-VOC

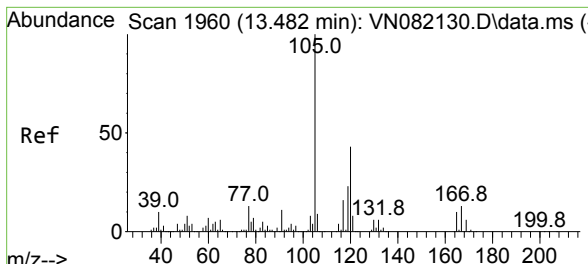
Tgt Ion: 91 Resp: 23565
 Ion Ratio Lower Upper
 91 100
 120 21.9 11.7 35.0



#80
 1,3,5-Trimethylbenzene
 Concen: 26.485 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VN082417.D
 Acq: 31 May 2024 18:47

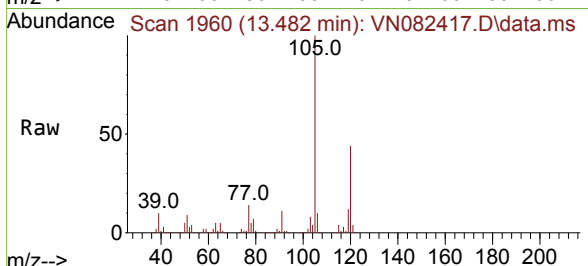
Tgt Ion: 105 Resp: 231961
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.8 74.3



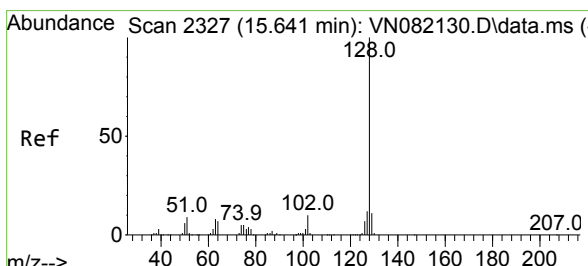
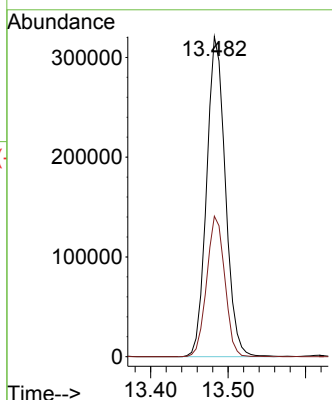
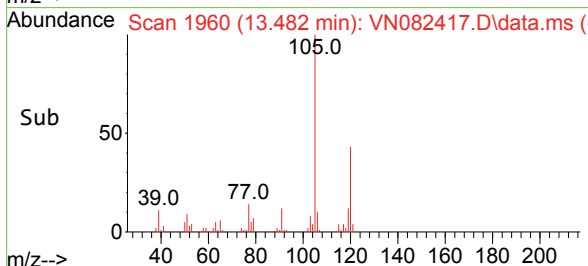


#84
 1,2,4-Trimethylbenzene
 Concen: 60.095 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN082417.D
 Acq: 31 May 2024 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AB-VOC



Tgt Ion:105 Resp: 538467
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.9 68.7



#95
 Naphthalene
 Concen: 2588.289 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN082417.D
 Acq: 31 May 2024 18:47

Tgt Ion:128 Resp:20126168
 Ion Ratio Lower Upper
 128 100
 127 16.4 10.1 15.1#
 129 13.6 8.9 13.3#

