

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071065.D
 Acq On : 24 Feb 2022 19:08
 Operator : JC\MD
 Sample : N1638-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40473

Quant Time: Feb 25 02:46:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

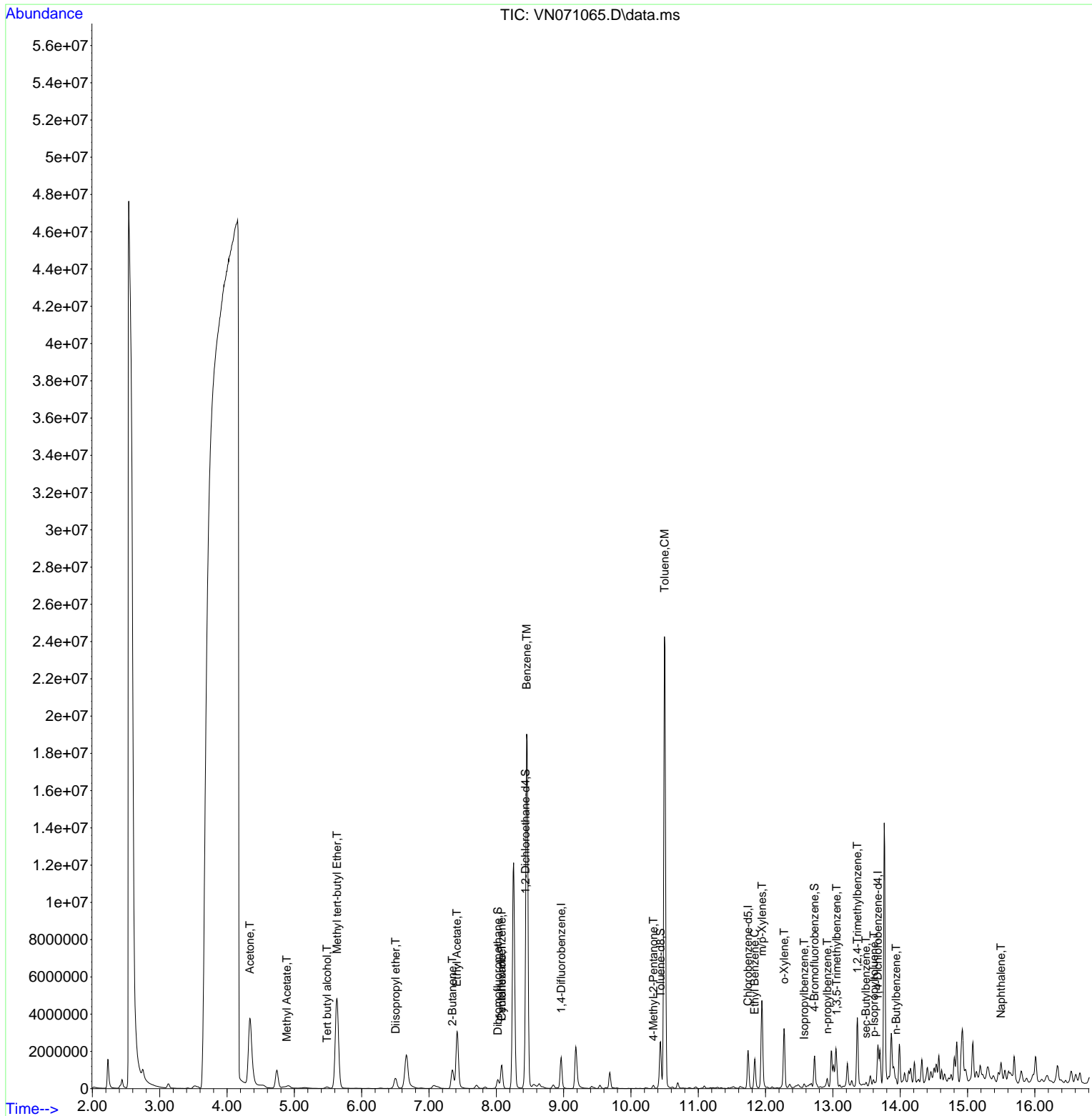
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	912746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1416497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1166667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	545939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	530178	50.849	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	101.700%	
35) Dibromofluoromethane	8.022	113	368958	43.792	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	87.580%	
50) Toluene-d8	10.439	98	1720541	50.850	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	101.700%	
62) 4-Bromofluorobenzene	12.728	95	562777	46.533	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	93.060%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.487	59	145850	76.757	ug/l #	71
16) Acetone	4.340	43	8231259	1433.497	ug/l	94
18) Methyl Acetate	4.887	43	107908	8.077	ug/l	97
19) Methyl tert-butyl Ether	5.634	73	8089196	258.065	ug/l	95
22) Diisopropyl ether	6.504	45	724296	22.160	ug/l #	84
25) 2-Butanone	7.346	43	1781713	233.251	ug/l	95
31) Cyclohexane	8.081	56	58504	3.244	ug/l #	67
37) Ethyl Acetate	7.416	43	4820772	325.644	ug/l	99
40) Benzene	8.451	78	18947331	464.045	ug/l	95
51) 4-Methyl-2-Pentanone	10.334	43	113874	8.021	ug/l	97
52) Toluene	10.498	92	10985565	428.175	ug/l	85
67) Ethyl Benzene	11.839	91	1136974	25.840	ug/l	98
68) m/p-Xylenes	11.945	106	1353245	79.621	ug/l	99
69) o-Xylene	12.275	106	836092	50.359	ug/l	98
73) Isopropylbenzene	12.575	105	122214	2.781	ug/l	99
78) n-propylbenzene	12.916	91	363348	7.359	ug/l	98
80) 1,3,5-Trimethylbenzene	13.057	105	507451	14.254	ug/l	100
84) 1,2,4-Trimethylbenzene	13.363	105	2107628	60.141	ug/l	100
85) sec-Butylbenzene	13.492	105	114880	2.582	ug/l	88
86) p-Isopropyltoluene	13.610	119	81722	2.238	ug/l	99
89) n-Butylbenzene	13.939	91	153542	5.153	ug/l #	76
95) Naphthalene	15.498	128	873416	37.203	ug/l	99

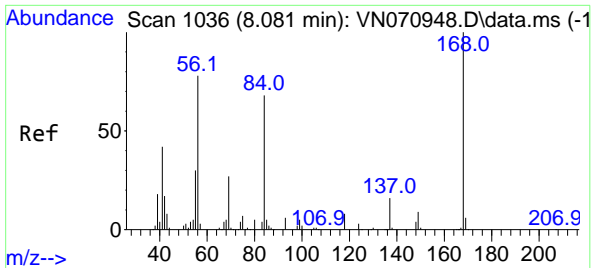
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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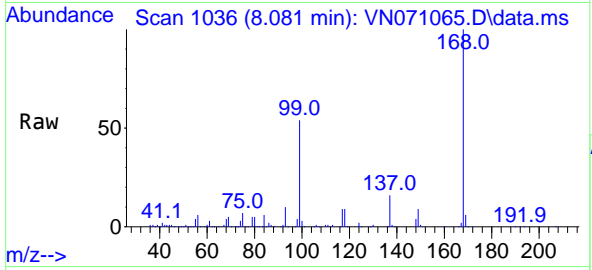
Quant Time: Feb 25 02:46:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
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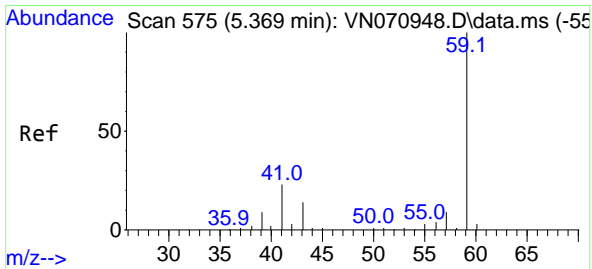
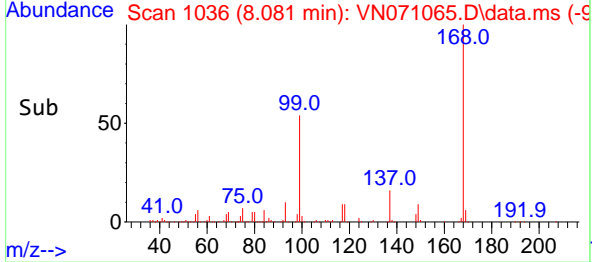
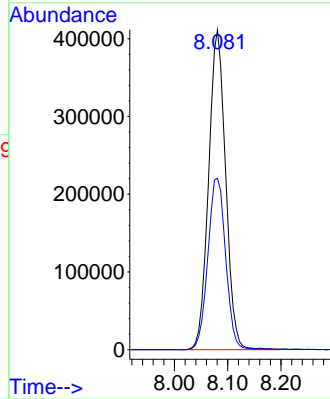


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Instrument : MSVOA_N
 ClientSampleId : 40473

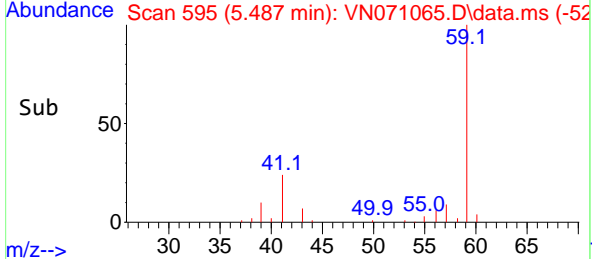
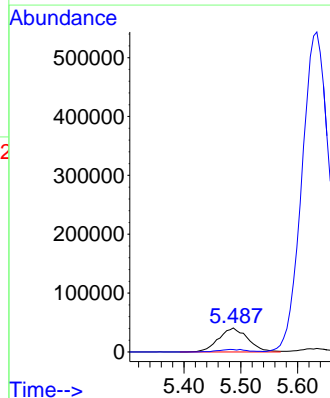
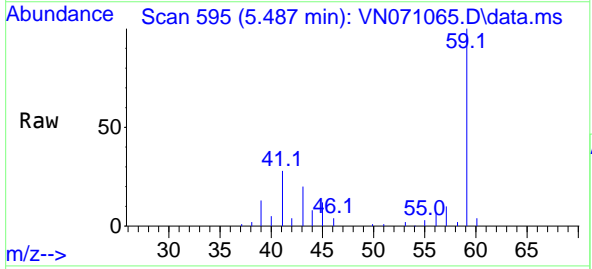


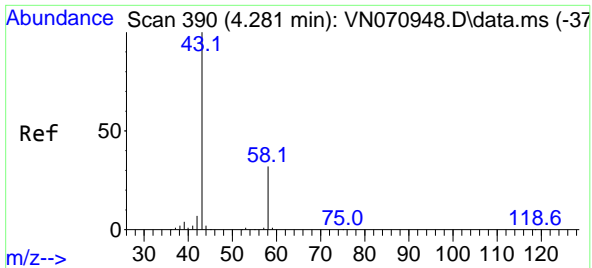
Tgt Ion:168 Resp: 912746
 Ion Ratio Lower Upper
 168 100
 99 53.5 41.3 61.9



#11
 Tert butyl alcohol
 Concen: 76.757 ug/l
 RT: 5.487 min Scan# 595
 Delta R.T. 0.118 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

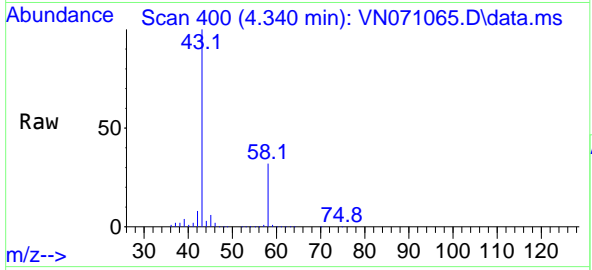
Tgt Ion: 59 Resp: 145850
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#



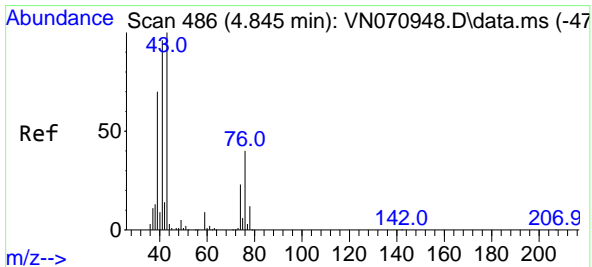
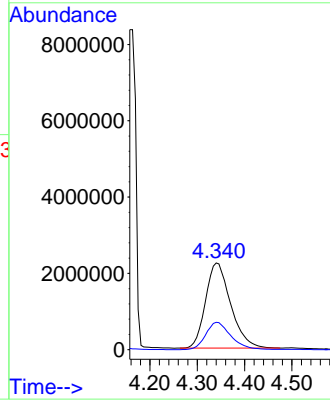
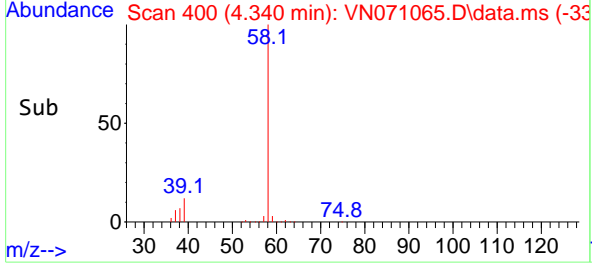


#16
 Acetone
 Concen: 1433.497 ug/l
 RT: 4.340 min Scan# 40
 Delta R.T. 0.059 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

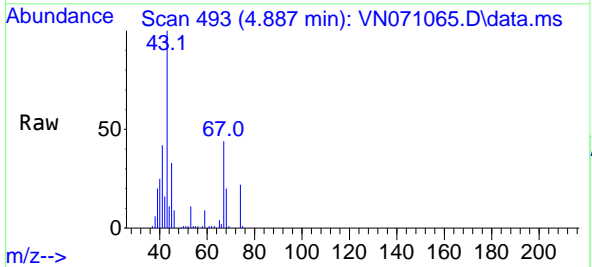
Instrument :
 MSVOA_N
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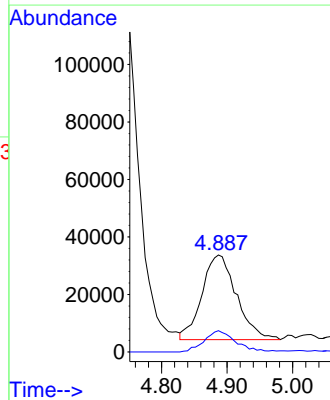
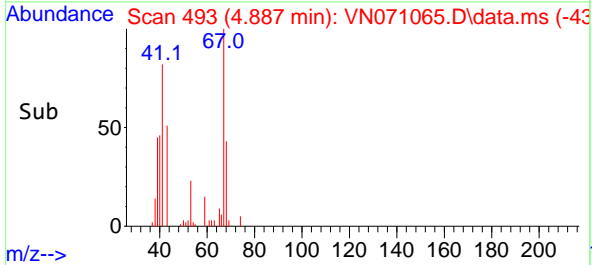
Tgt Ion: 43 Resp: 8231259
 Ion Ratio Lower Upper
 43 100
 58 32.0 23.1 34.7

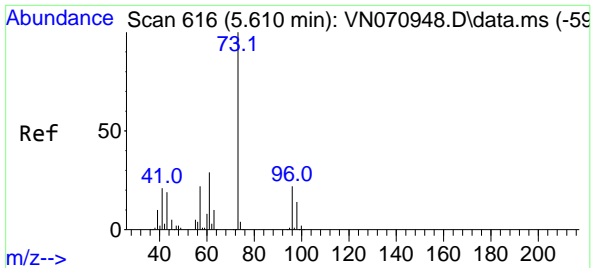


#18
 Methyl Acetate
 Concen: 8.077 ug/l
 RT: 4.887 min Scan# 493
 Delta R.T. 0.042 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



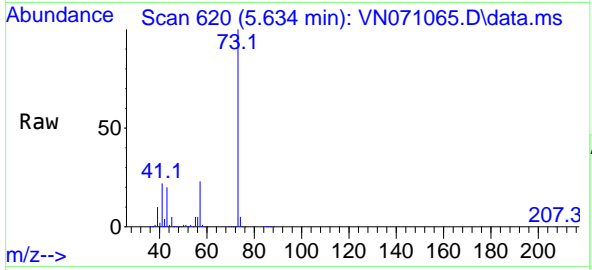
Tgt Ion: 43 Resp: 107908
 Ion Ratio Lower Upper
 43 100
 74 22.6 19.4 29.2



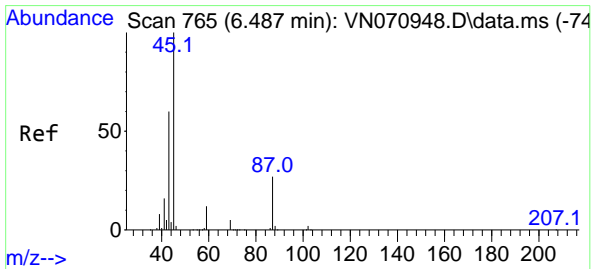
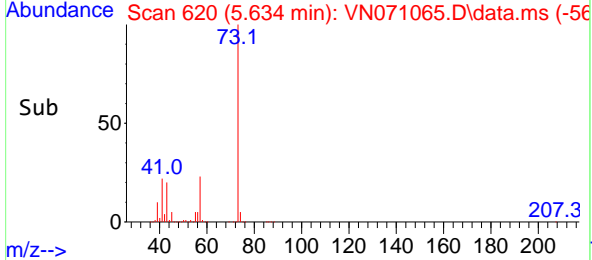
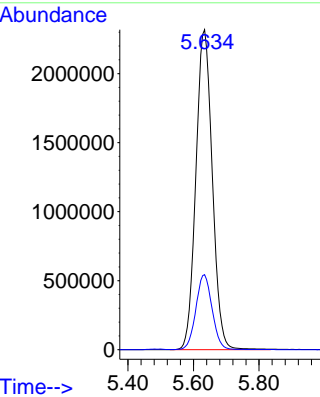


#19
 Methyl tert-butyl Ether
 Concen: 258.065 ug/l
 RT: 5.634 min Scan# 619
 Delta R.T. 0.024 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Instrument : MSVOA_N
 ClientSampleId : 40473

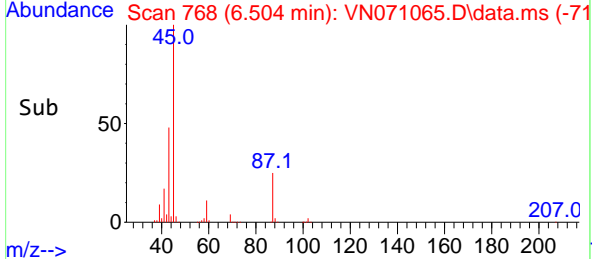
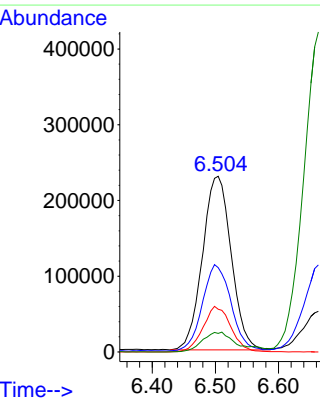
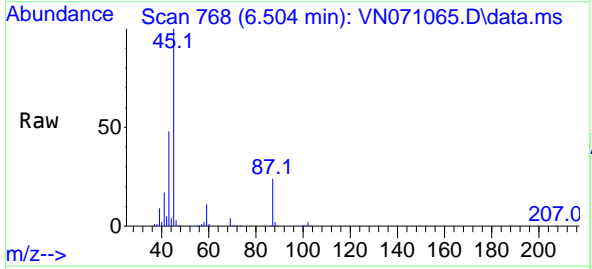


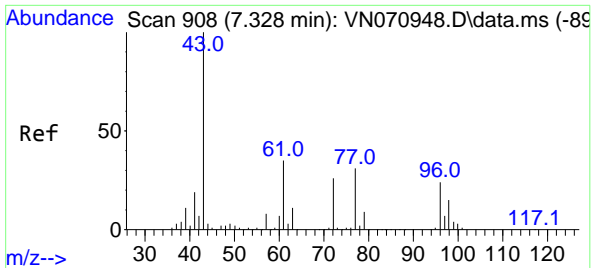
Tgt Ion: 73 Resp: 8089196
 Ion Ratio Lower Upper
 73 100
 57 23.4 16.8 25.2



#22
 Diisopropyl ether
 Concen: 22.160 ug/l
 RT: 6.504 min Scan# 768
 Delta R.T. 0.018 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

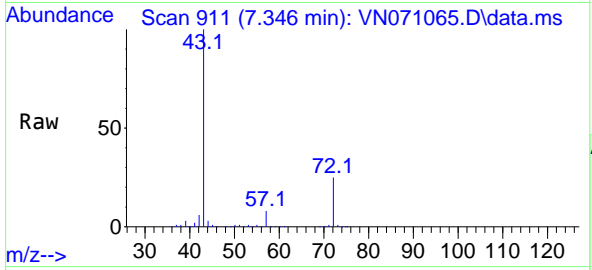
Tgt Ion: 45 Resp: 724296
 Ion Ratio Lower Upper
 45 100
 43 48.0 51.7 77.5#
 87 24.6 23.2 34.8
 59 10.6 9.4 14.0



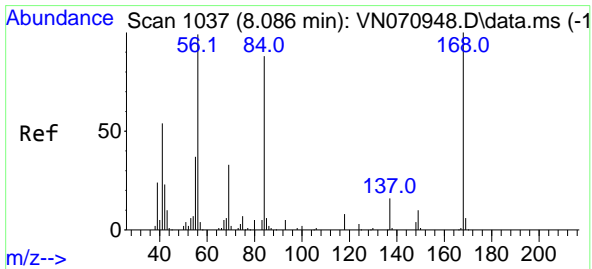
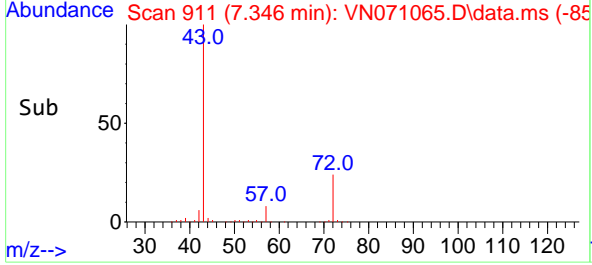
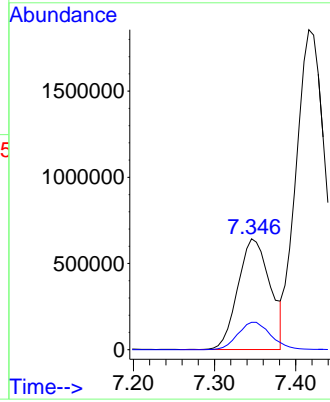


#25
 2-Butanone
 Concen: 233.251 ug/l
 RT: 7.346 min Scan# 911
 Delta R.T. 0.018 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

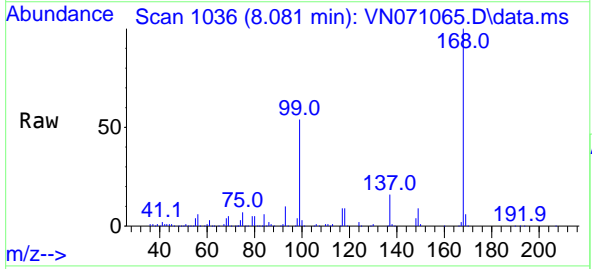
Instrument : MSVOA_N
 ClientSampleId : 40473



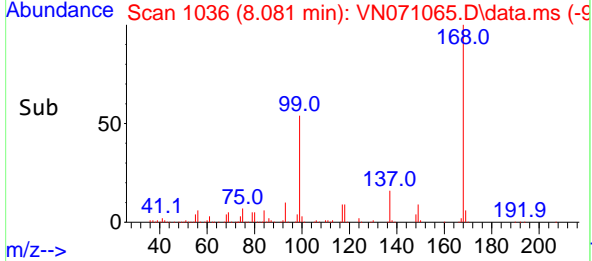
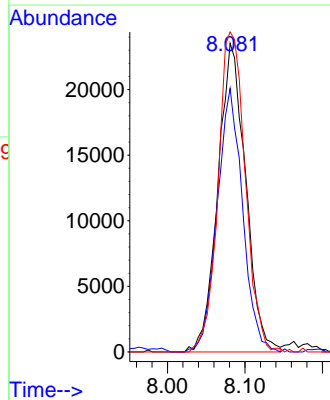
Tgt Ion: 43 Resp: 1781713
 Ion Ratio Lower Upper
 43 100
 72 24.7 21.7 32.5

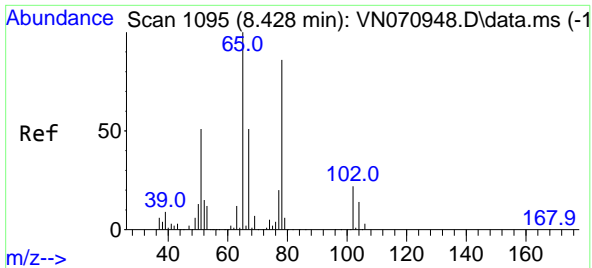


#31
 Cyclohexane
 Concen: 3.244 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



Tgt Ion: 56 Resp: 58504
 Ion Ratio Lower Upper
 56 100
 69 85.4 27.1 40.7#
 84 103.7 73.4 110.0

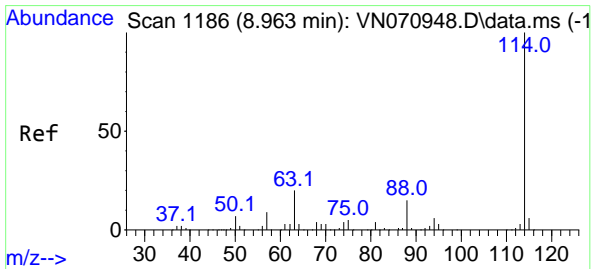
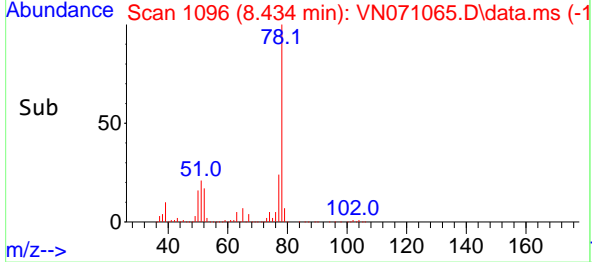
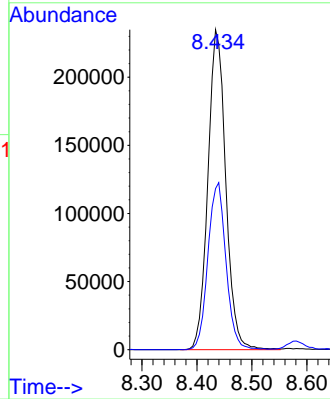
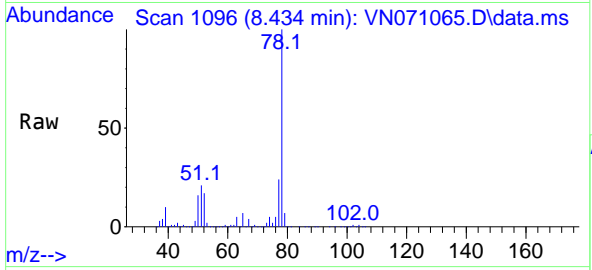




#33
 1,2-Dichloroethane-d4
 Concen: 50.849 ug/l
 RT: 8.434 min Scan# 1095
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

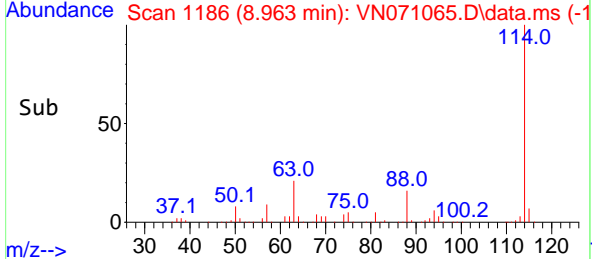
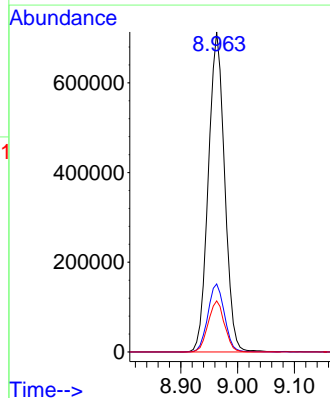
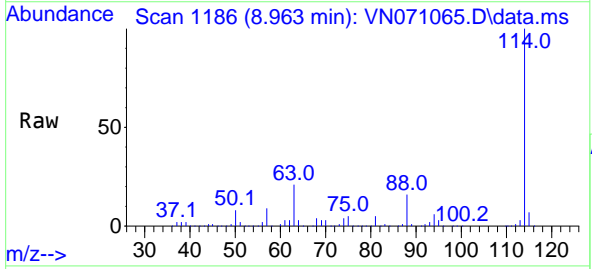
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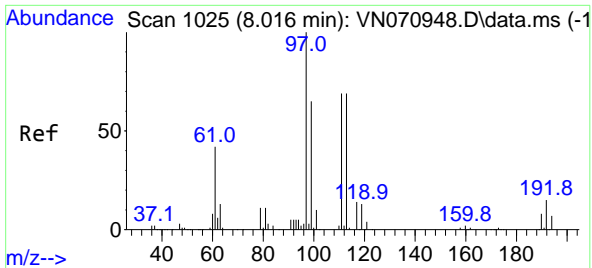
Tgt Ion: 65 Resp: 530178
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

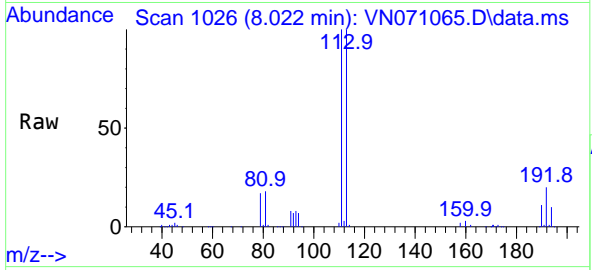
Tgt Ion: 114 Resp: 1416497
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.8
 88 16.0 0.0 27.4



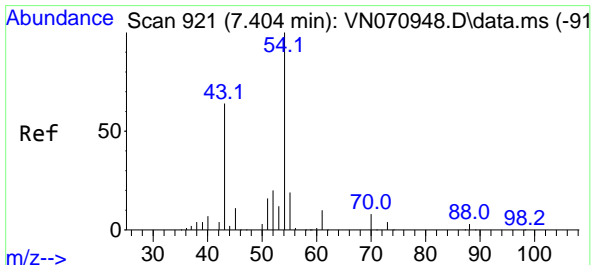
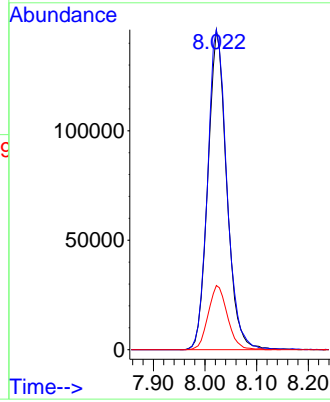
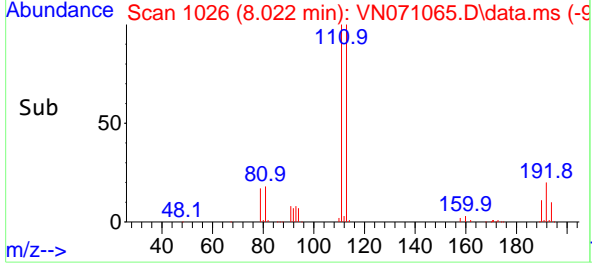


#35
 Dibromofluoromethane
 Concen: 43.792 ug/l
 RT: 8.022 min Scan# 1026
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

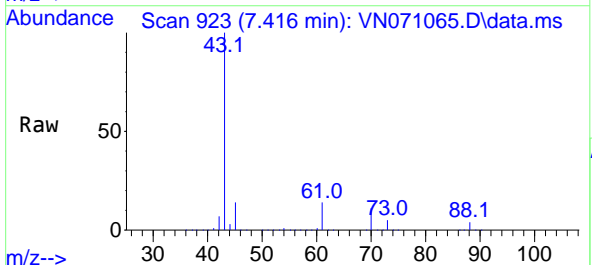
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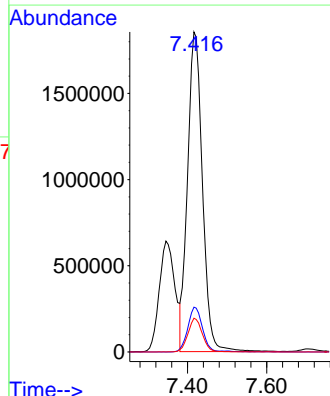
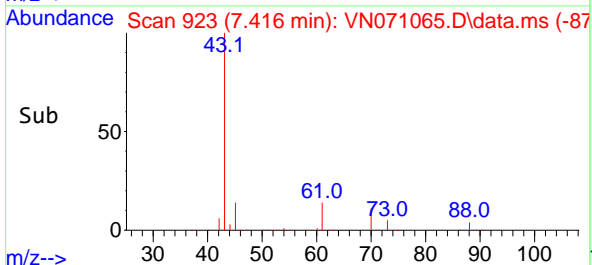
Tgt Ion:113 Resp: 368958
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 20.5 16.9 25.3

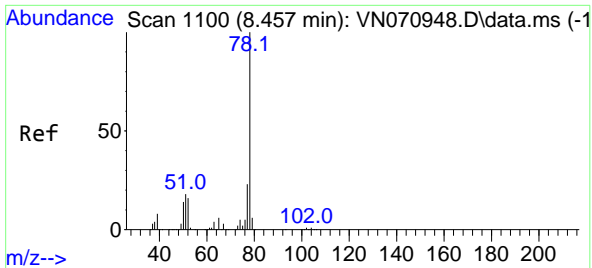


#37
 Ethyl Acetate
 Concen: 325.644 ug/l
 RT: 7.416 min Scan# 923
 Delta R.T. 0.012 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



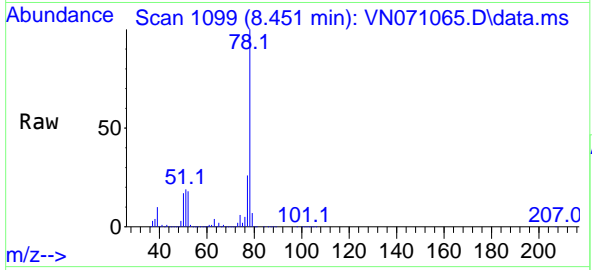
Tgt Ion: 43 Resp: 4820772
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.5 17.3
 70 10.3 7.9 11.9



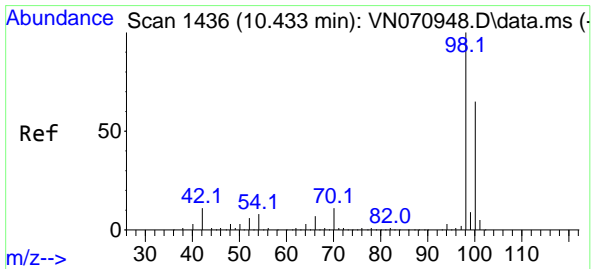
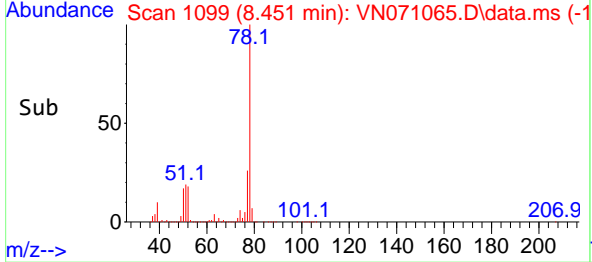
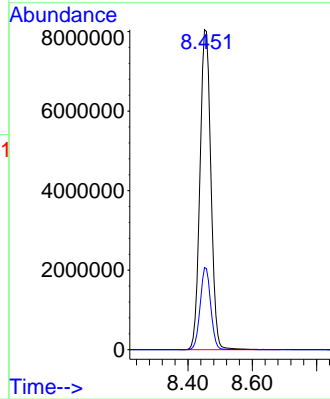


#40
Benzene
Concen: 464.045 ug/l
RT: 8.451 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN071065.D
Acq: 24 Feb 2022 19:08

Instrument : MSVOA_N
ClientSampleId : 40473

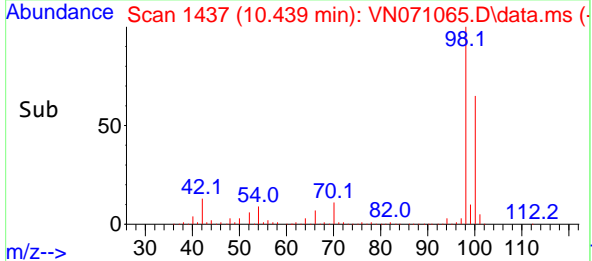
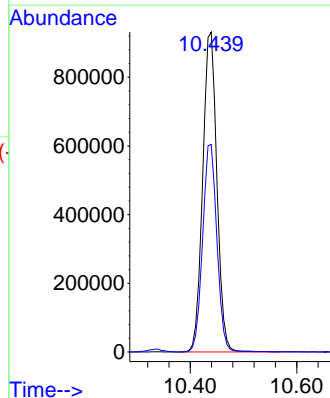
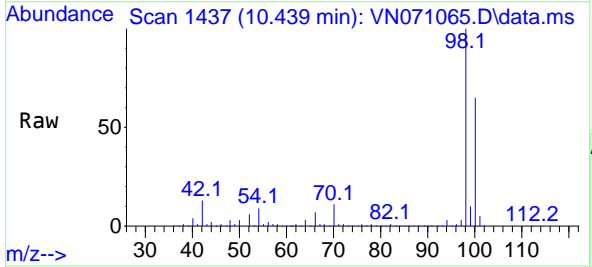


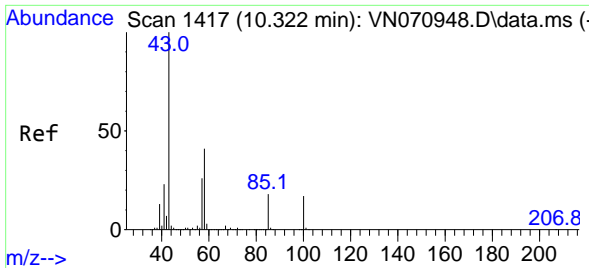
Tgt Ion: 78 Resp:18947331
Ion Ratio Lower Upper
78 100
77 25.7 18.6 27.8



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071065.D
Acq: 24 Feb 2022 19:08

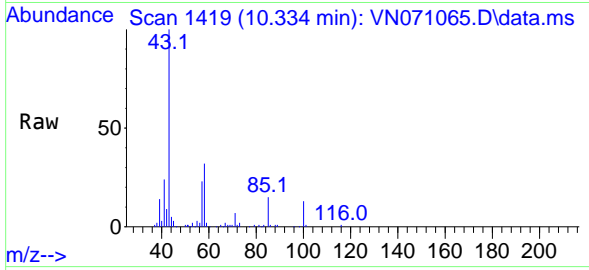
Tgt Ion: 98 Resp: 1720541
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6



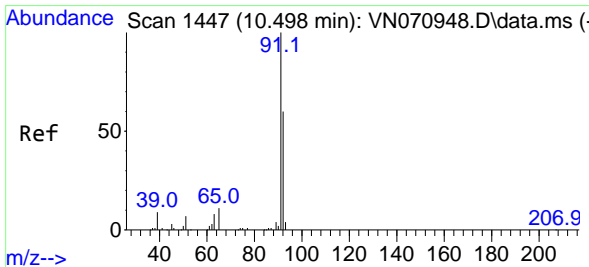
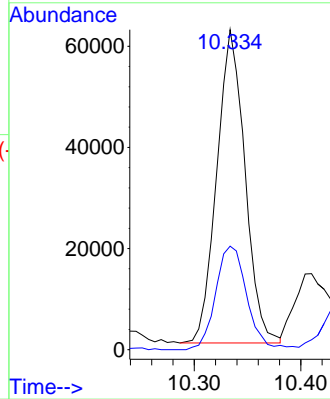
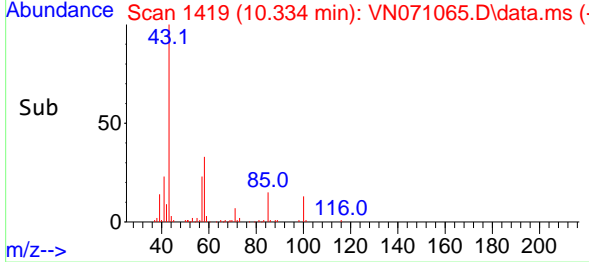


#51
 4-Methyl-2-Pentanone
 Concen: 8.021 ug/l
 RT: 10.334 min Scan# 1417
 Delta R.T. 0.012 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

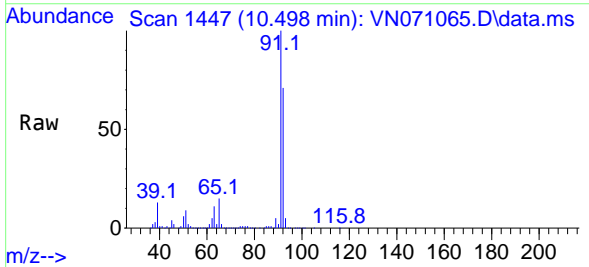
Instrument : MSVOA_N
 ClientSampleId : 40473



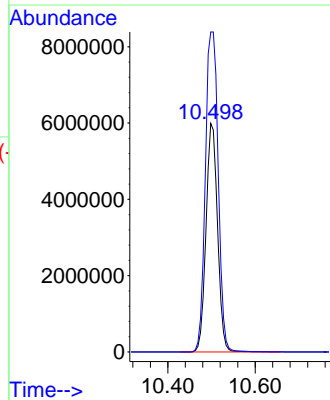
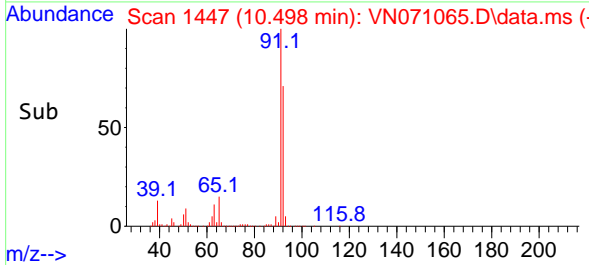
Tgt Ion: 43 Resp: 113874
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.4 45.6

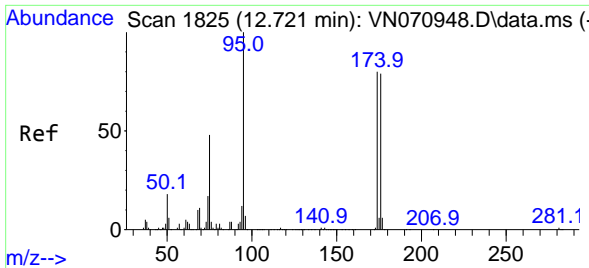


#52
 Toluene
 Concen: 428.175 ug/l
 RT: 10.498 min Scan# 1447
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



Tgt Ion: 92 Resp: 10985565
 Ion Ratio Lower Upper
 92 100
 91 156.6 142.0 213.0



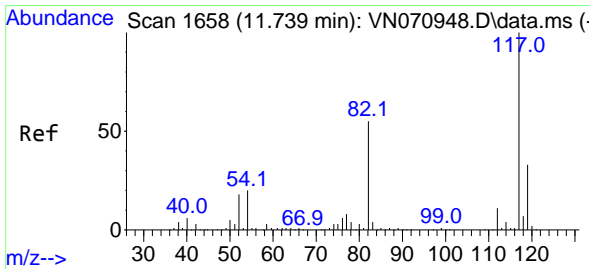
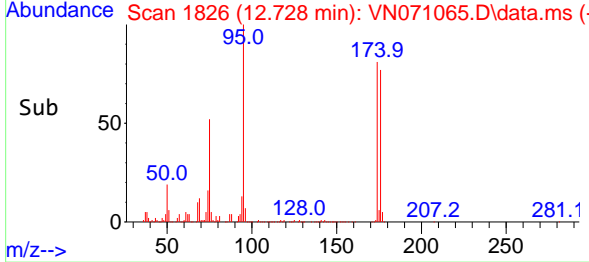
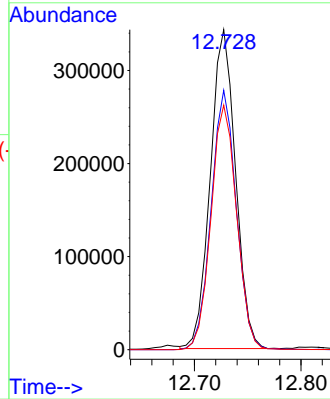
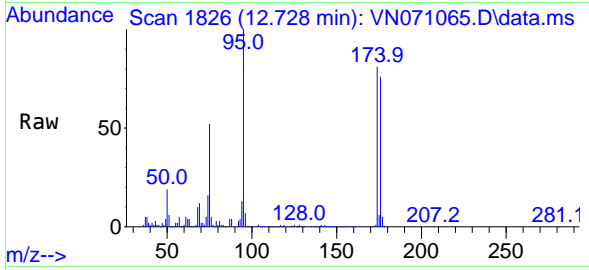


#62
 4-Bromofluorobenzene
 Concen: 46.533 ug/l
 RT: 12.728 min Scan# 1826
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Instrument : MSVOA_N
 ClientSampleId : 40473

Tgt Ion: 95 Resp: 562777

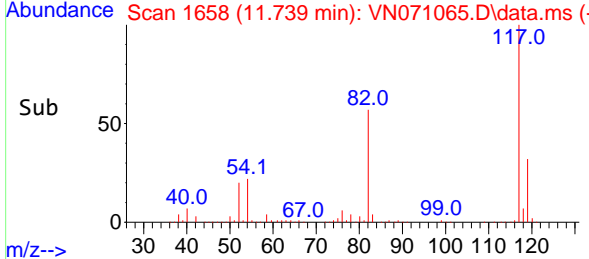
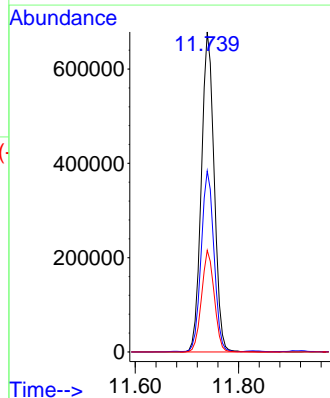
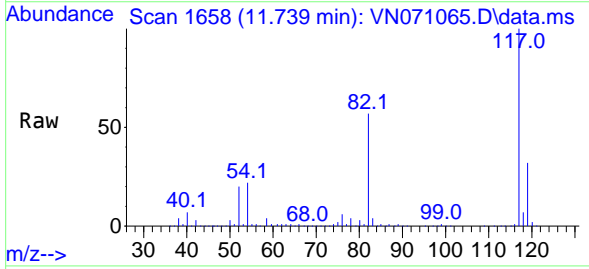
Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	187.2
176	78.1	0.0	181.4

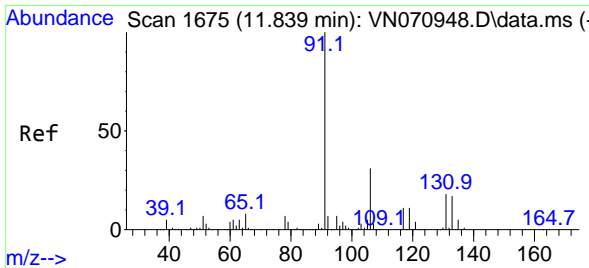


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.739 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Tgt Ion: 117 Resp: 1166667

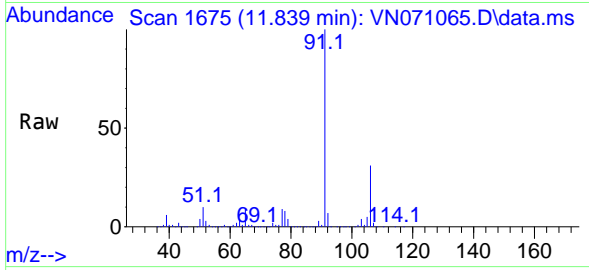
Ion	Ratio	Lower	Upper
117	100		
82	56.5	42.4	63.6
119	31.8	25.4	38.2



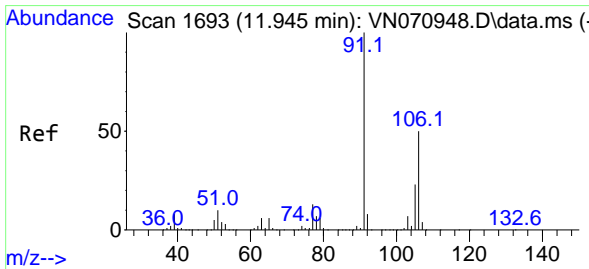
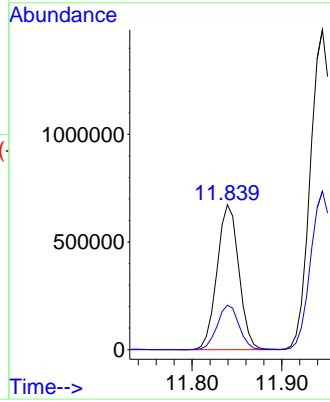
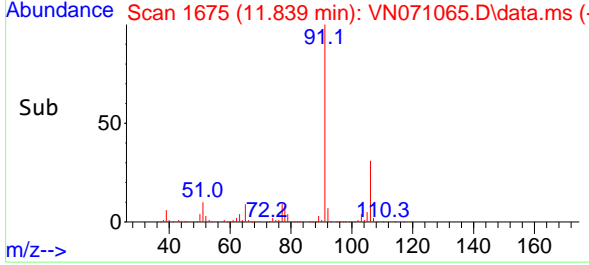


#67
 Ethyl Benzene
 Concen: 25.840 ug/l
 RT: 11.839 min Scan# 1675
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

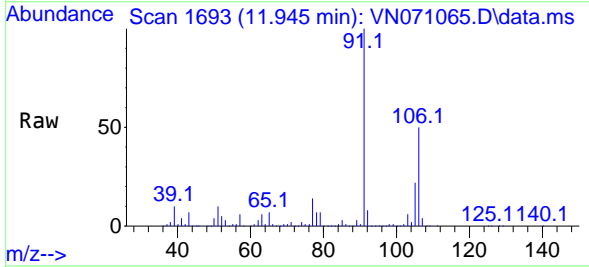
Instrument : MSVOA_N
 ClientSampleId : 40473



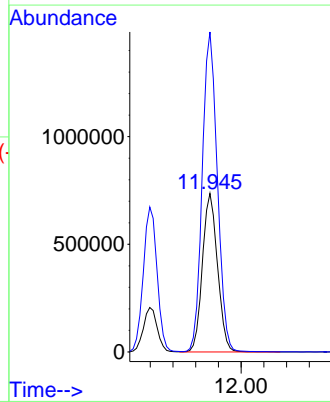
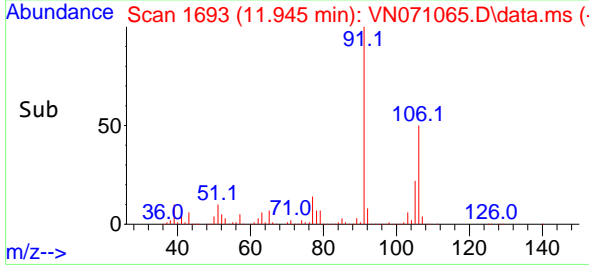
Tgt Ion: 91 Resp: 1136974
 Ion Ratio Lower Upper
 91 100
 106 30.7 25.7 38.5

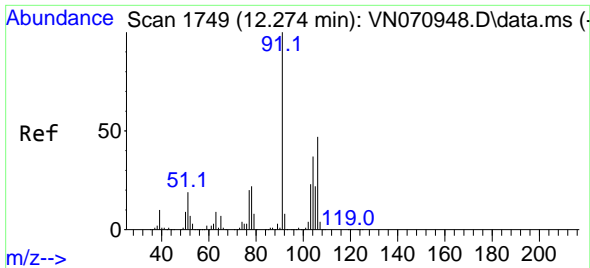


#68
 m/p-Xylenes
 Concen: 79.621 ug/l
 RT: 11.945 min Scan# 1693
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



Tgt Ion: 106 Resp: 1353245
 Ion Ratio Lower Upper
 106 100
 91 202.2 160.6 240.8

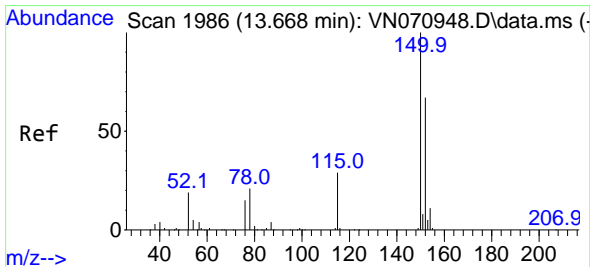
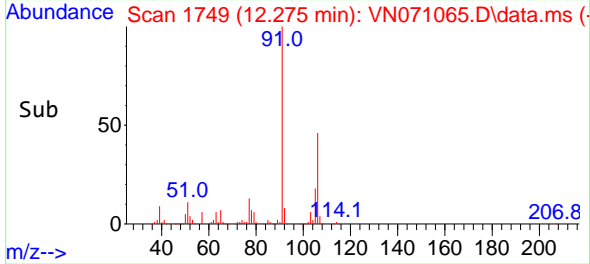
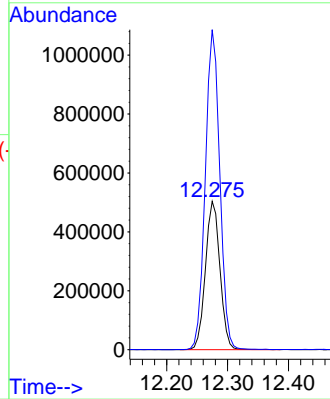
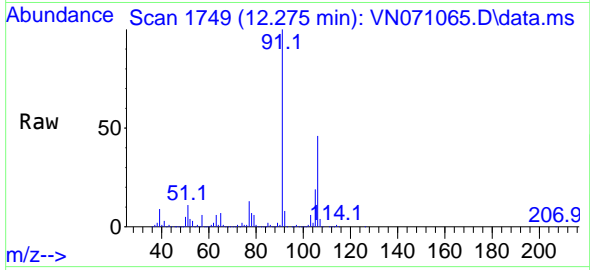




#69
 o-Xylene
 Concen: 50.359 ug/l
 RT: 12.275 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

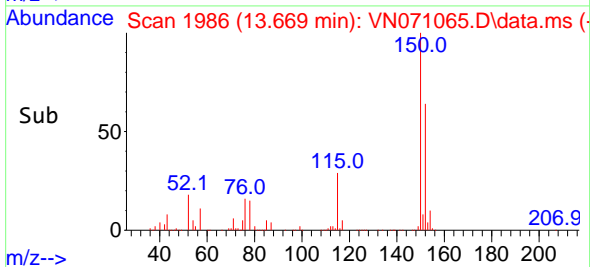
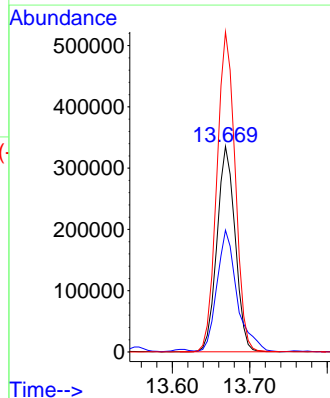
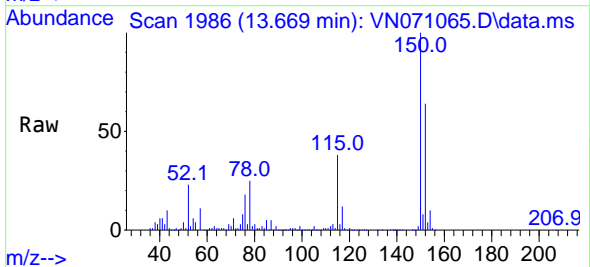
Instrument :
 MSVOA_N
 ClientSampleId :
 40473

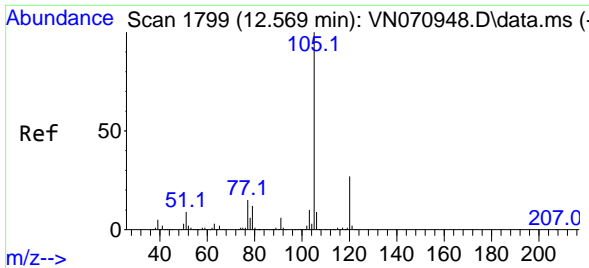
Tgt Ion:106 Resp: 836092
 Ion Ratio Lower Upper
 106 100
 91 214.9 105.8 317.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Tgt Ion:152 Resp: 545939
 Ion Ratio Lower Upper
 152 100
 115 65.6 27.5 82.5
 150 157.2 0.0 344.4

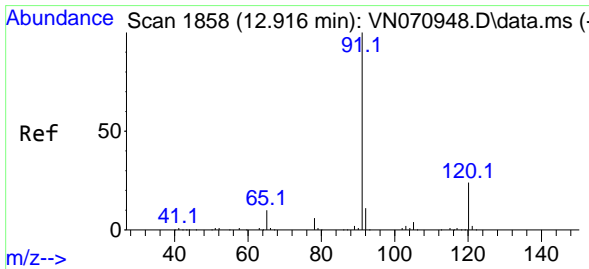
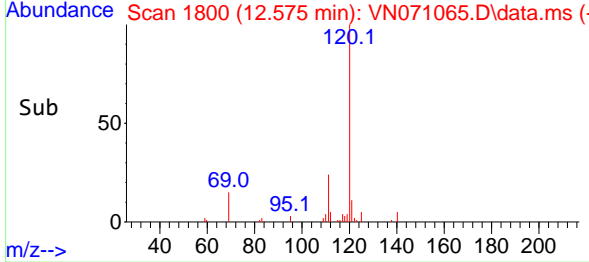
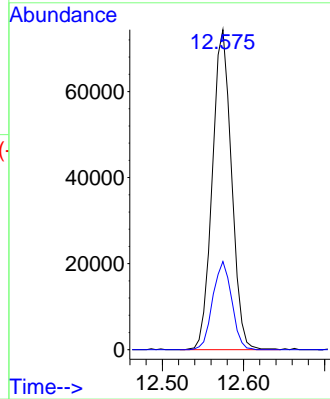
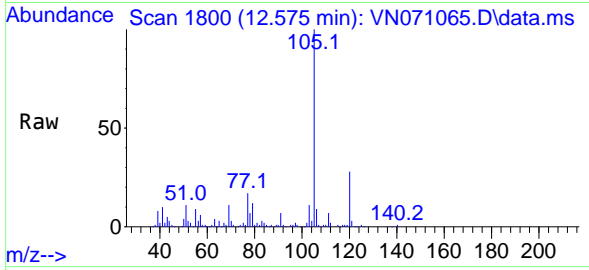




#73
 Isopropylbenzene
 Concen: 2.781 ug/l
 RT: 12.575 min Scan# 1800
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

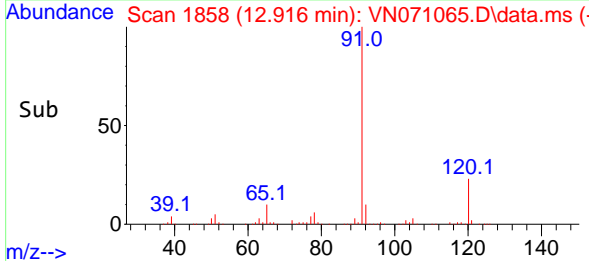
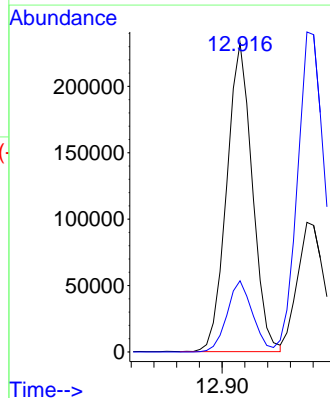
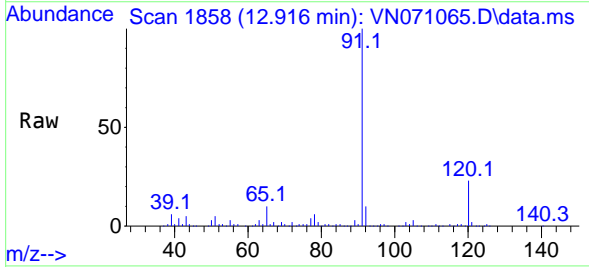
Instrument :
 MSVOA_N
 ClientSampleId :
 40473

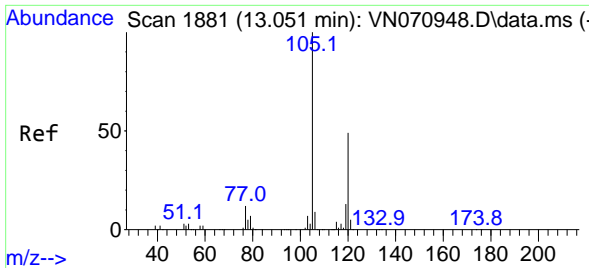
Tgt Ion:105 Resp: 122214
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.4 40.1



#78
 n-propylbenzene
 Concen: 7.359 ug/l
 RT: 12.916 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

Tgt Ion: 91 Resp: 363348
 Ion Ratio Lower Upper
 91 100
 120 22.9 11.9 35.9

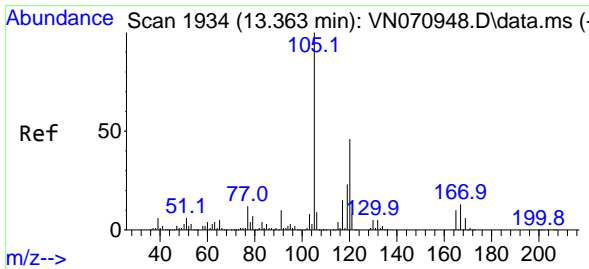
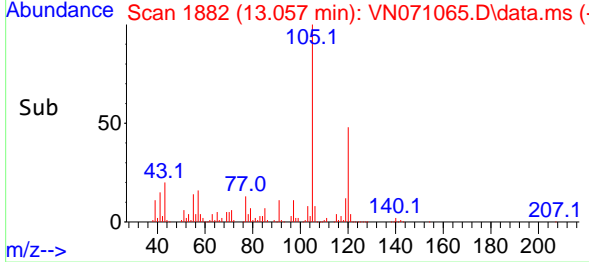
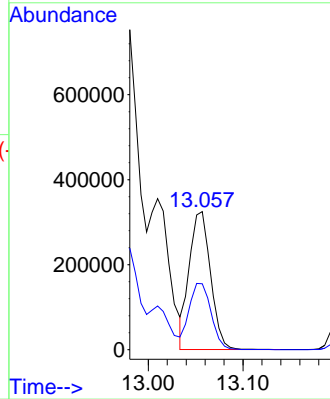
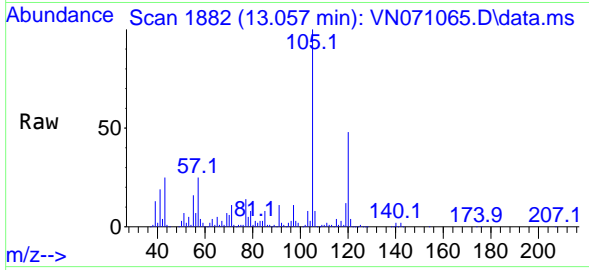




#80
 1,3,5-Trimethylbenzene
 Concen: 14.254 ug/l
 RT: 13.057 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

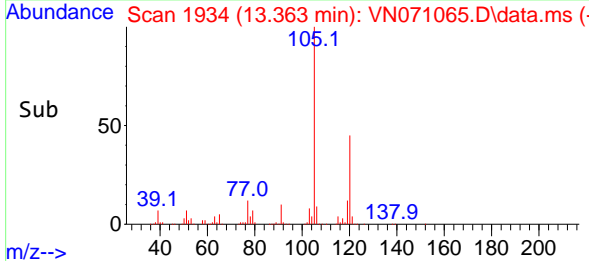
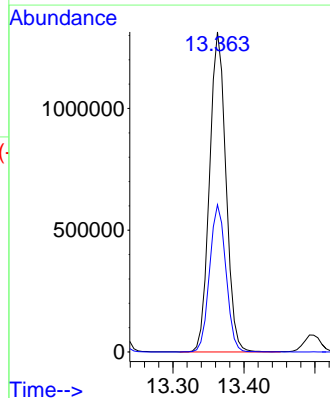
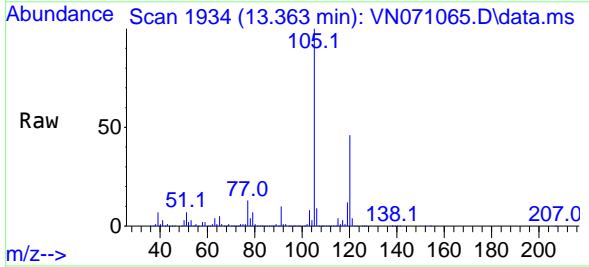
Instrument :
 MSVOA_N
 ClientSampleId :
 40473

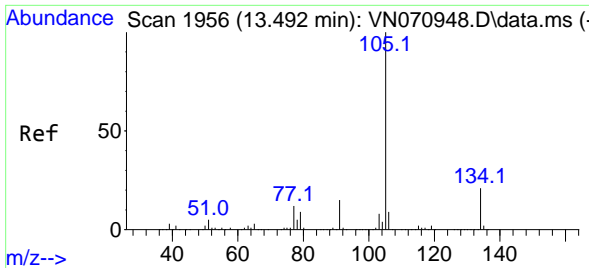
Tgt Ion:105 Resp: 507451
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 60.141 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

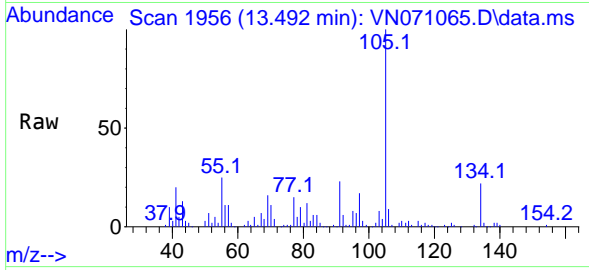
Tgt Ion:105 Resp: 2107628
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.4



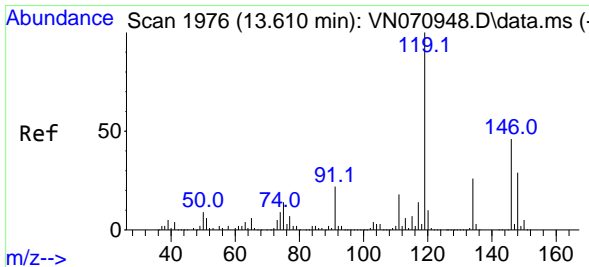
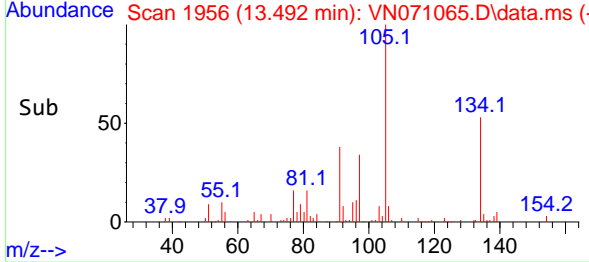
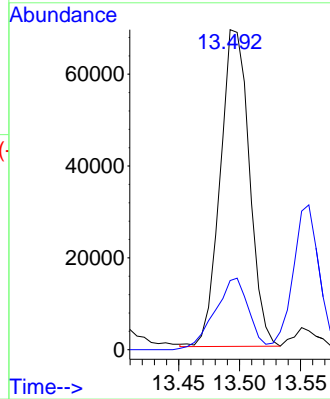


#85
 sec-Butylbenzene
 Concen: 2.582 ug/l
 RT: 13.492 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

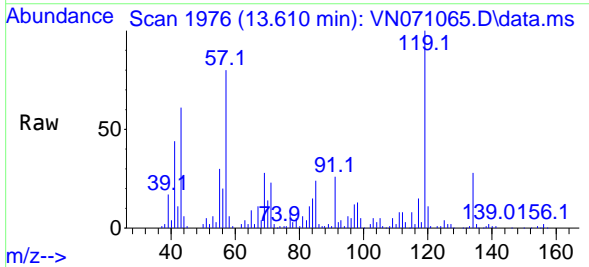
Instrument : MSVOA_N
 ClientSampleId : 40473



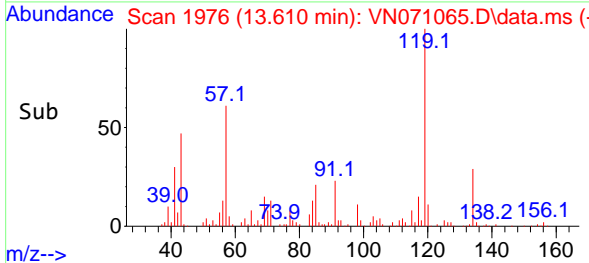
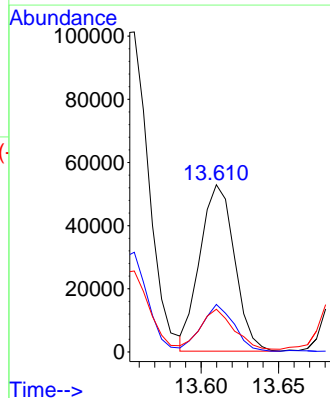
Tgt Ion:105 Resp: 114880
 Ion Ratio Lower Upper
 105 100
 134 26.2 10.4 31.1

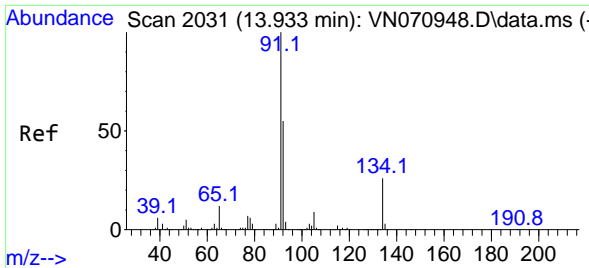


#86
 p-Isopropyltoluene
 Concen: 2.238 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



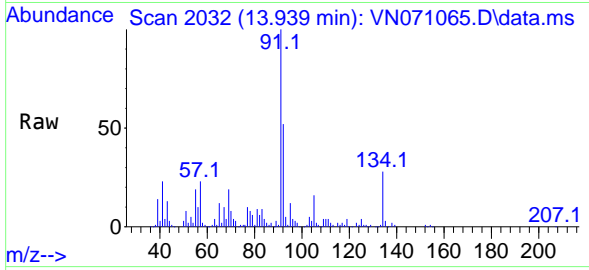
Tgt Ion:119 Resp: 81722
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.6 40.7
 91 22.7 11.4 34.1



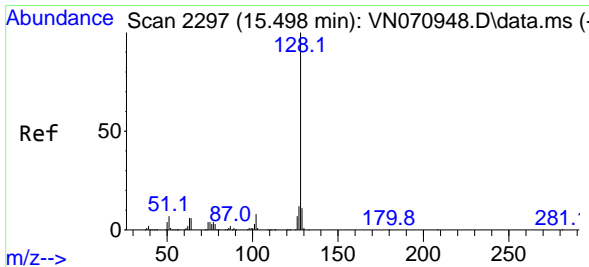
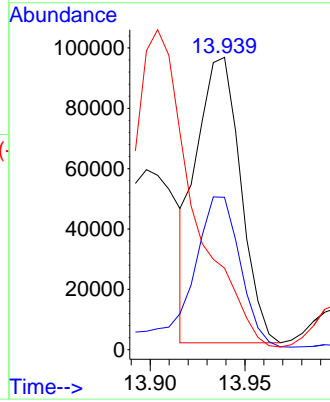
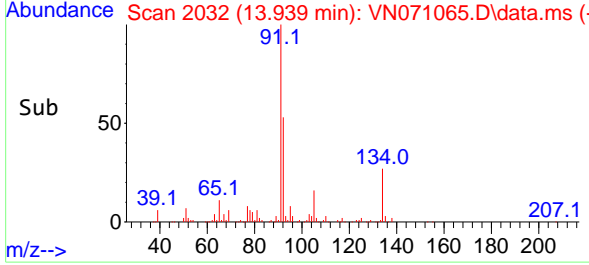


#89
 n-Butylbenzene
 Concen: 5.153 ug/l
 RT: 13.939 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08

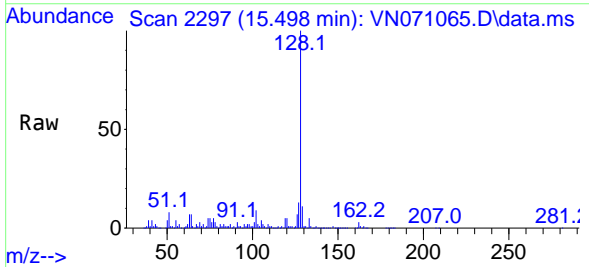
Instrument : MSVOA_N
 ClientSampleId : 40473



Tgt Ion: 91 Resp: 153542
 Ion Ratio Lower Upper
 91 100
 92 57.2 25.4 76.0
 134 0.0 13.6 40.8#



#95
 Naphthalene
 Concen: 37.203 ug/l
 RT: 15.498 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VN071065.D
 Acq: 24 Feb 2022 19:08



Tgt Ion: 128 Resp: 873416
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.5 15.7
 129 11.7 8.7 13.1

