

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065843.D
 Acq On : 12 Feb 2021 17:08
 Operator : JC/MD
 Sample : M1386-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210210007-02-VOA

Quant Time: Feb 13 01:02:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

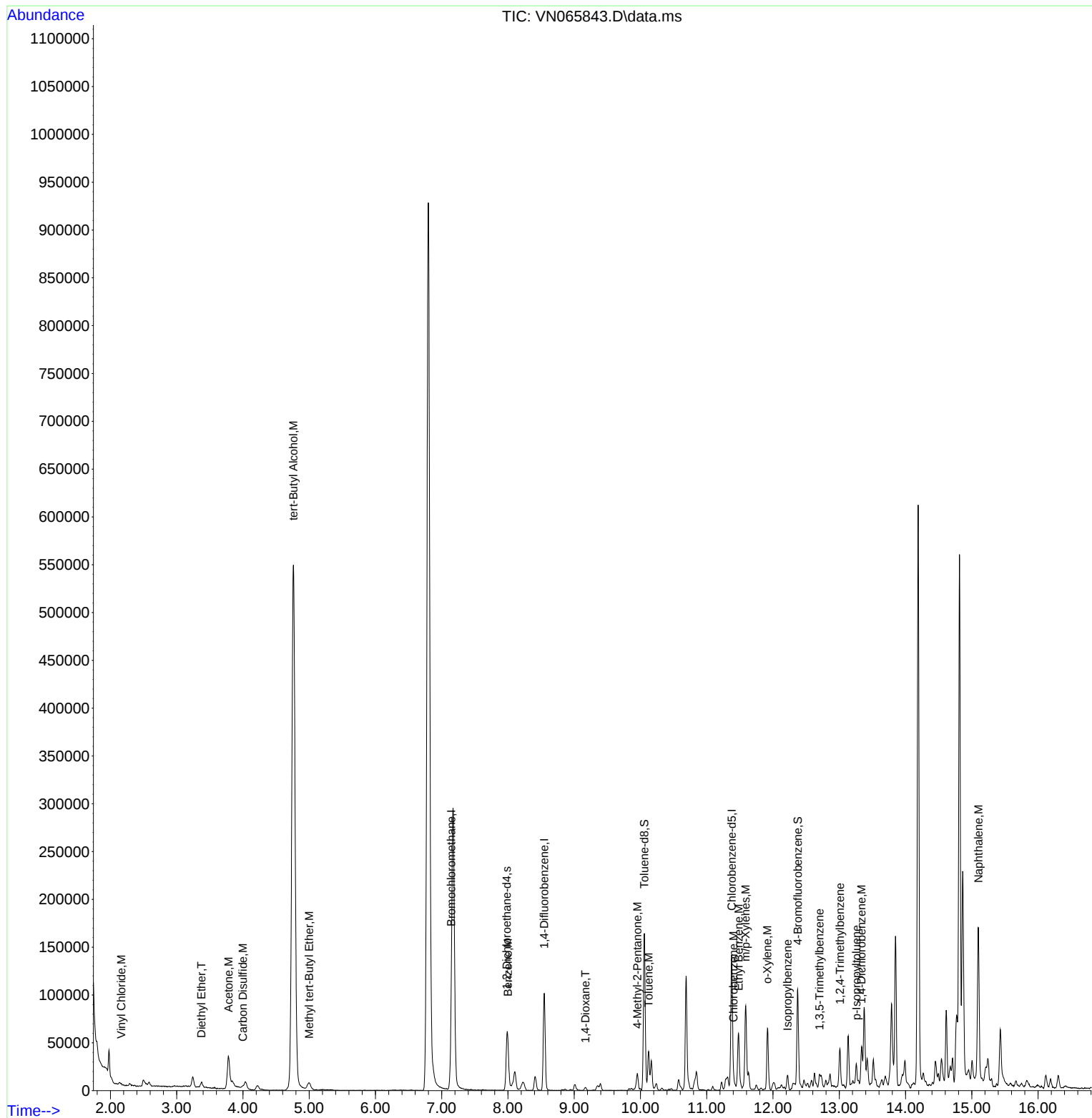
Internal Standards						
1) Bromochloromethane	7.145	128	17106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	95856	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	84088	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	35686	30.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.373	95	39780	29.08	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.93%
63) Toluene-d8	10.058	98	121573	30.07	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.23%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.165	62	713	0.48	ug/l #	86
8) Diethyl Ether	3.374	74	2545	3.61	ug/l	95
15) Acetone	3.782	58	22900	139.01	ug/l #	55
16) Carbon Disulfide	3.997	76	3849	1.23	ug/l #	94
23) tert-Butyl Alcohol	4.763	59	1120785	5818.20	ug/l #	100
24) Methyl tert-Butyl Ether	4.997	73	12244	3.66	ug/l #	72
34) Benzene	8.000	78	27736	5.80	ug/l #	80
45) 1,4-Dioxane	9.171	88	2204	108.28	ug/l #	85
58) 4-Methyl-2-Pentanone	9.952	43	12555	8.99	ug/l	97
62) Toluene	10.122	91	31212	6.35	ug/l	99
64) Chlorobenzene	11.402	112	4805	1.66	ug/l	97
66) Ethyl Benzene	11.483	91	37196	7.07	ug/l	100
67) m/p-Xylenes	11.589	106	30811	15.72	ug/l	96
68) o-Xylene	11.917	106	18213	9.54	ug/l	98
70) Isopropylbenzene	12.219	105	7113	1.45	ug/l	97
76) 1,3,5-Trimethylbenzene	12.701	105	6454	1.57	ug/l	94
80) 1,2,4-Trimethylbenzene	13.010	105	21313	5.19	ug/l	100
82) p-Isopropyltoluene	13.261	119	13182	3.27	ug/l	96
84) 1,4-Dichlorobenzene	13.335	146	11657	6.15	ug/l	96
91) Naphthalene	15.100	128	145667	45.19	ug/l	99

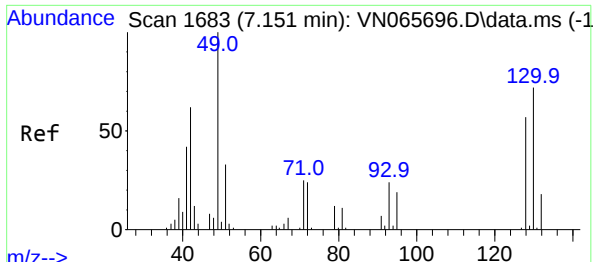
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
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210210007-02-VOA

Quant Time: Feb 13 01:02:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 03 14:50:04 2021
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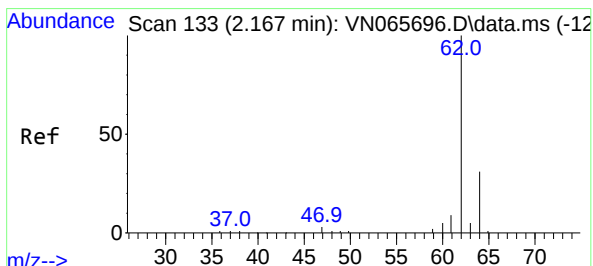
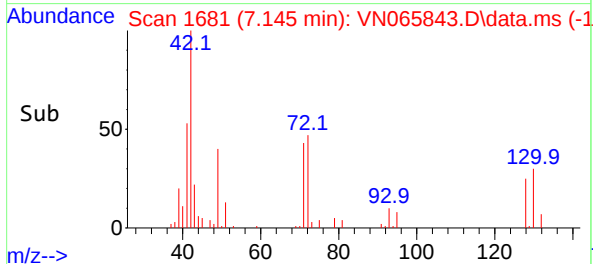
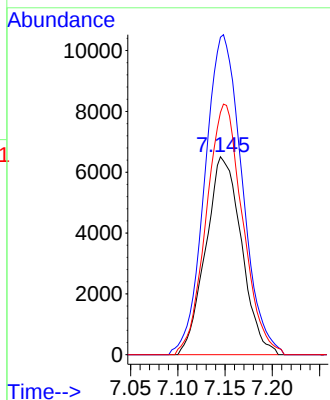
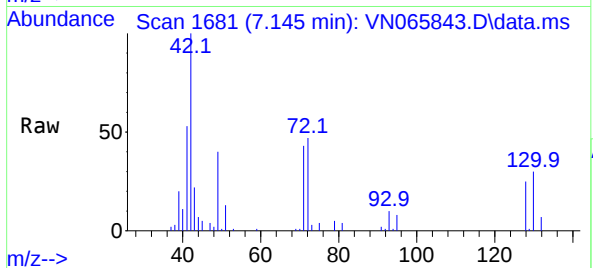




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.145 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

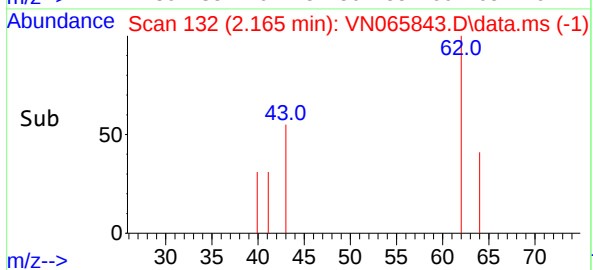
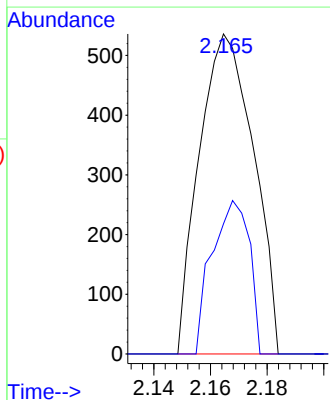
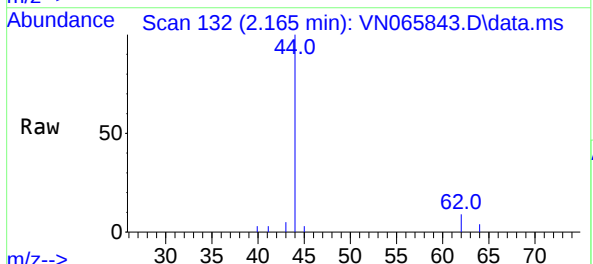
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

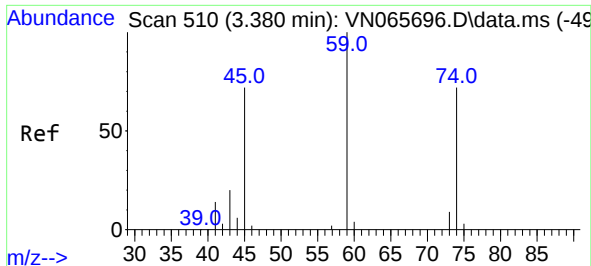
Tgt Ion:	128	Resp:	17106
Ion	Ratio	Lower	Upper
128	100		
49	168.4	0.0	355.0
130	129.0	0.0	325.5



#4
Vinyl Chloride
Concen: 0.48 ug/l
RT: 2.165 min Scan# 132
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:	62	Resp:	713
Ion	Ratio	Lower	Upper
62	100		
64	40.7	26.2	39.4

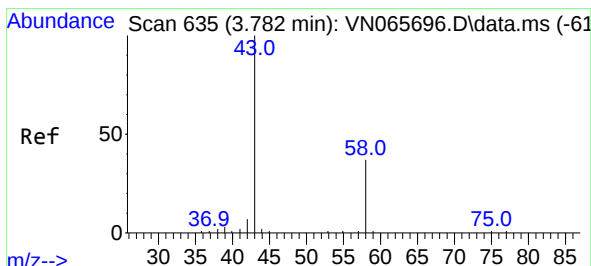
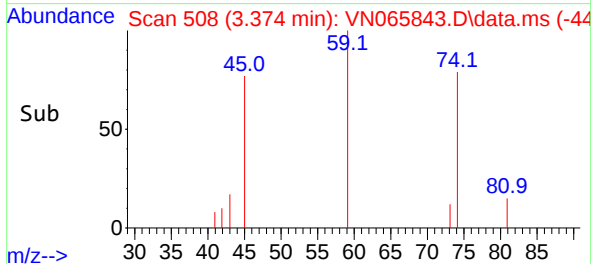
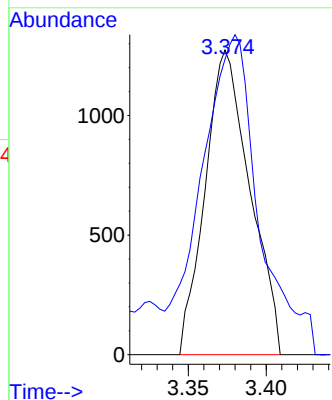
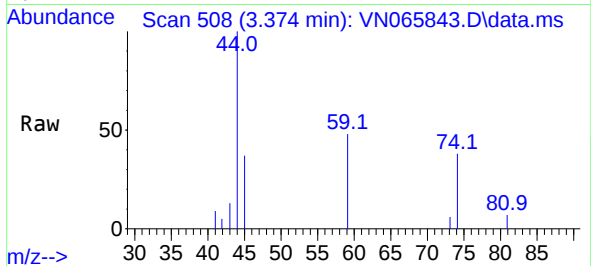




#8
Diethyl Ether
Concen: 3.61 ug/l
RT: 3.374 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

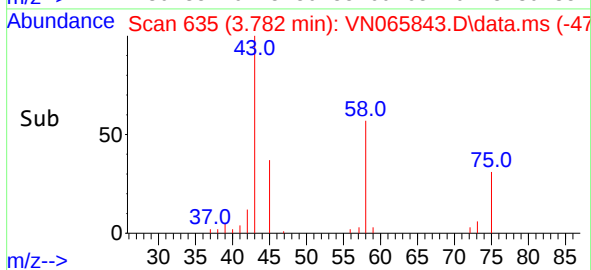
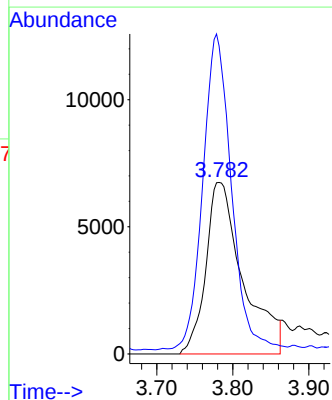
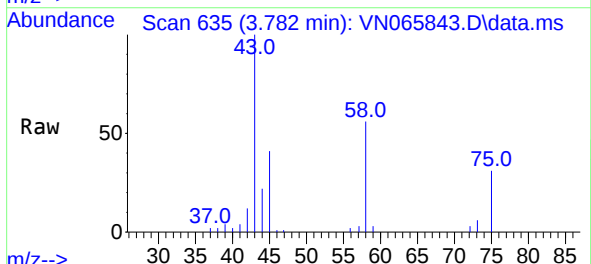
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

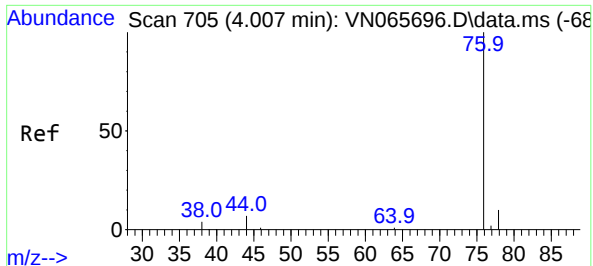
Tgt Ion: 74 Resp: 2545
Ion Ratio Lower Upper
74 100
45 97.7 18.5 166.9



#15
Acetone
Concen: 139.01 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 58 Resp: 22900
Ion Ratio Lower Upper
58 100
43 174.8 203.4 305.0#

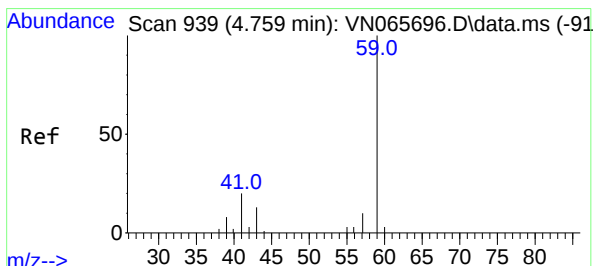
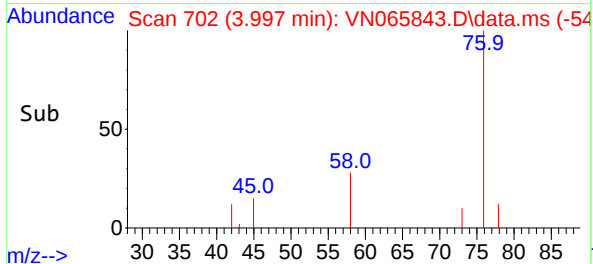
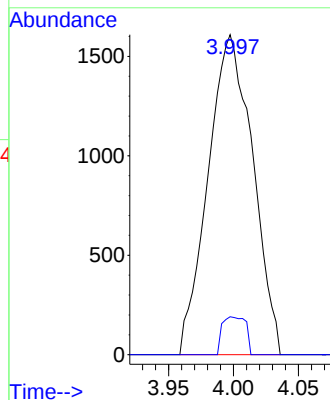
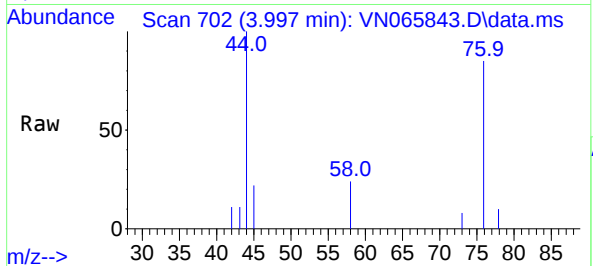




#16
Carbon Disulfide
Concen: 1.23 ug/l
RT: 3.997 min Scan# 702
Delta R.T. -0.009 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

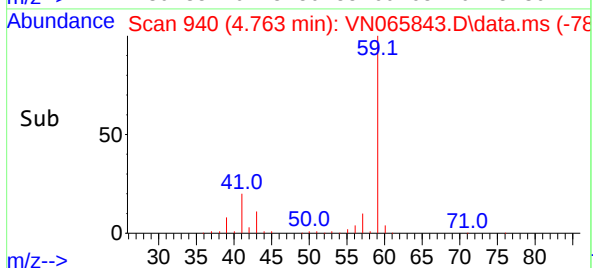
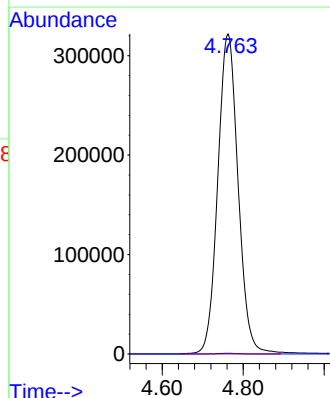
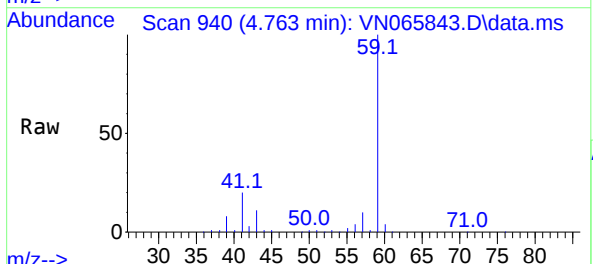
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

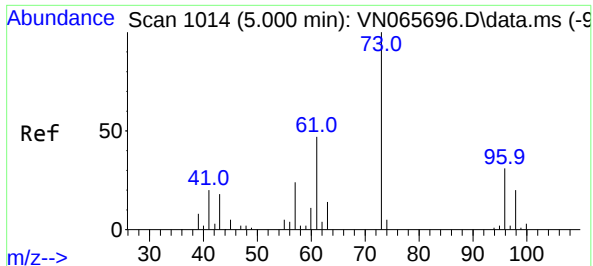
Tgt Ion: 76 Resp: 3849
Ion Ratio Lower Upper
76 100
78 11.9 7.8 11.8#



#23
tert-Butyl Alcohol
Concen: 5818.20 ug/l
RT: 4.763 min Scan# 940
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 59 Resp: 1120785
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

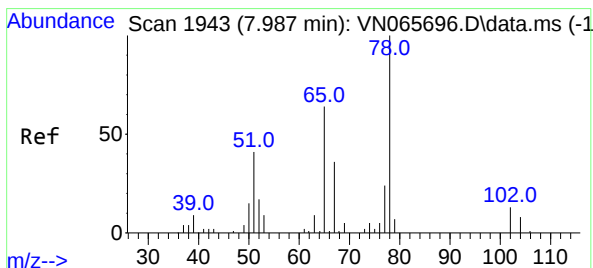
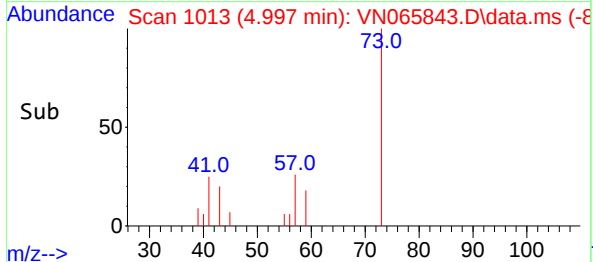
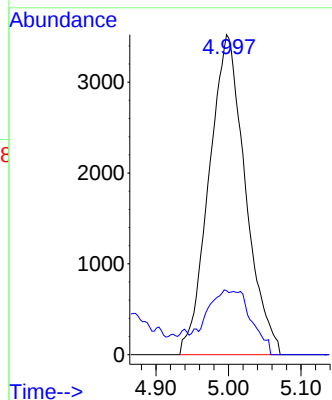
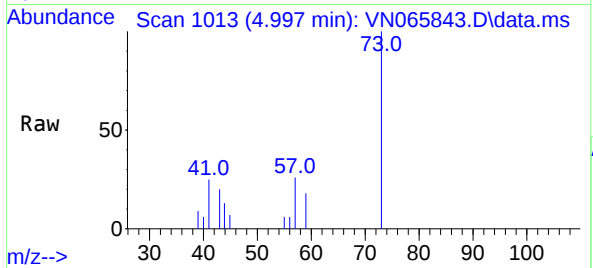




#24
Methyl tert-Butyl Ether
Concen: 3.66 ug/l
RT: 4.997 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

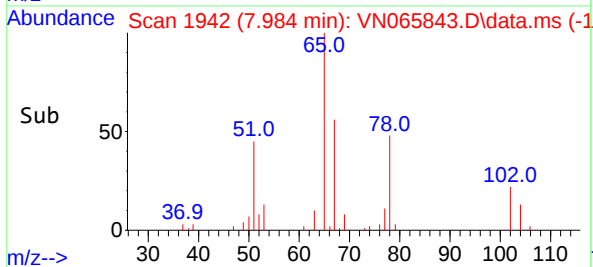
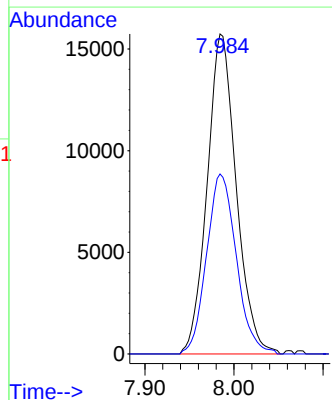
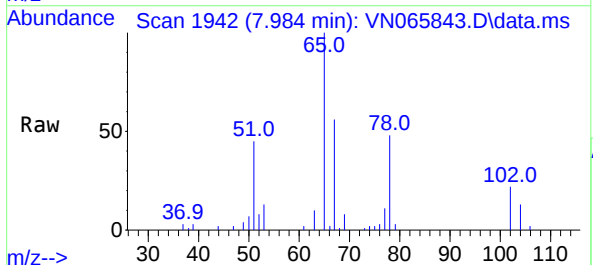
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

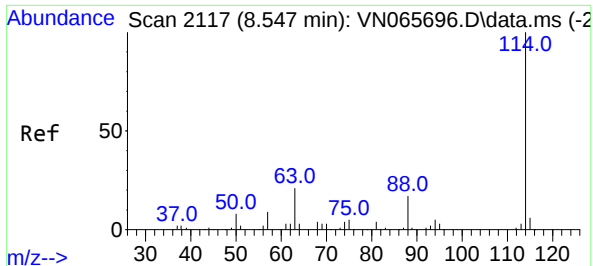
Tgt Ion: 73 Resp: 12244
Ion Ratio Lower Upper
73 100
43 6.5 15.4 23.2#



#27
1,2-Dichloroethane-d4
Concen: 30.08 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 65 Resp: 35686
Ion Ratio Lower Upper
65 100
67 57.6 42.8 64.2



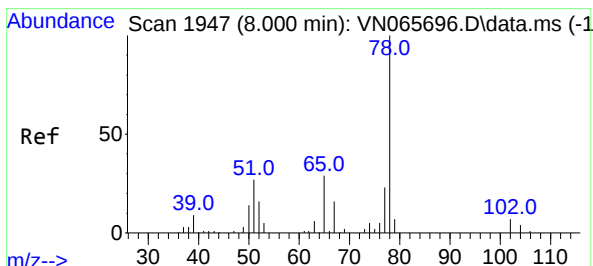
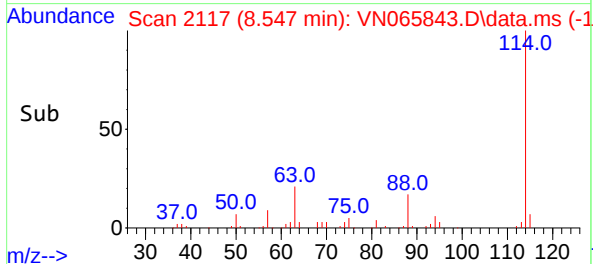
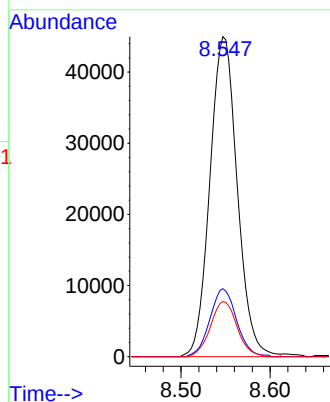
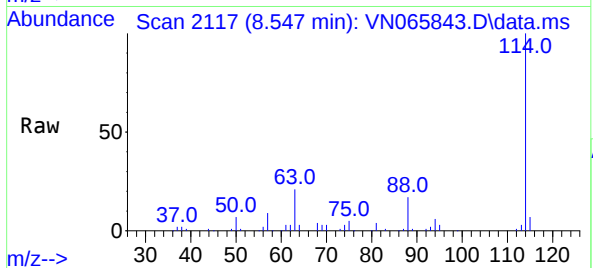


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

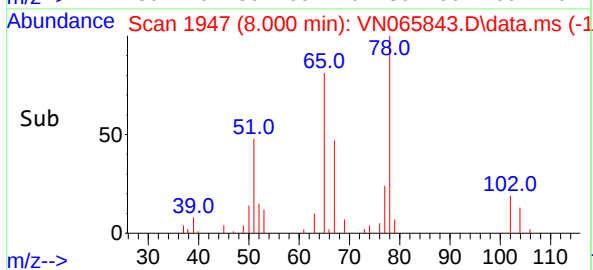
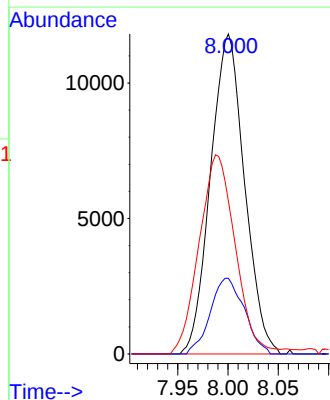
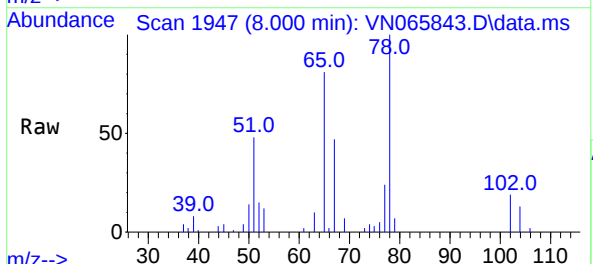
Tgt Ion:114 Resp: 95856
Ion Ratio Lower Upper
114 100
63 20.7 14.7 22.1
88 16.8 11.7 17.5

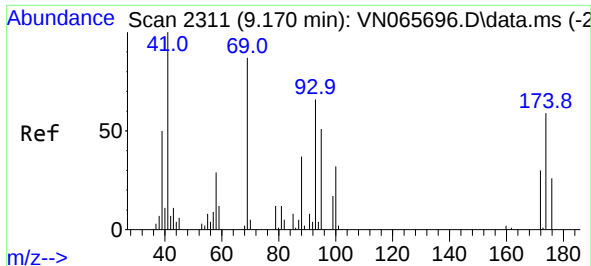


#34

Benzene
Concen: 5.80 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 78 Resp: 27736
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 46.4 22.1 33.1#

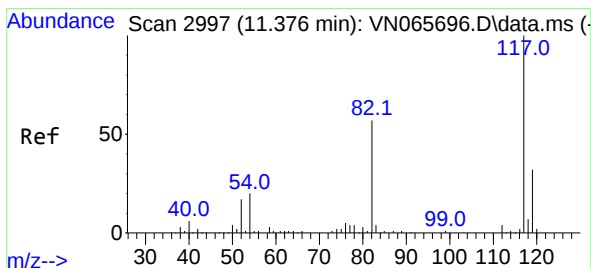
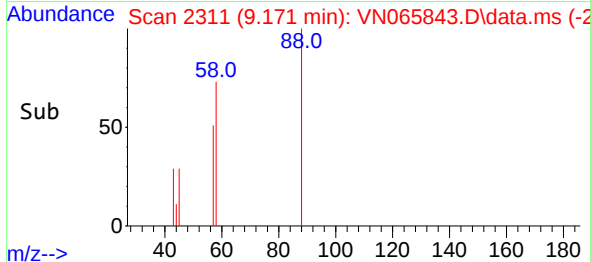
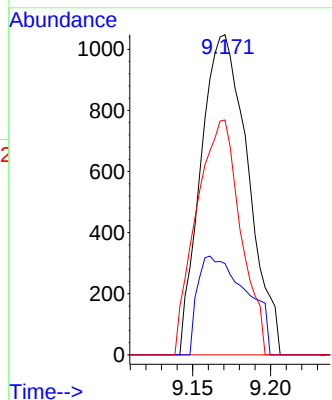
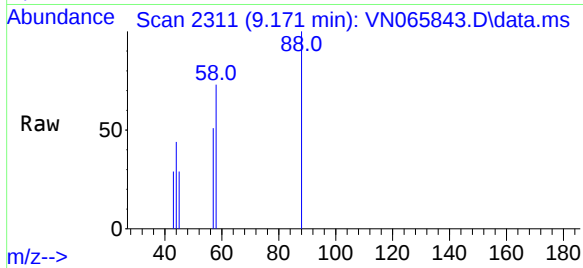




#45
1,4-Dioxane
Concen: 108.28 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

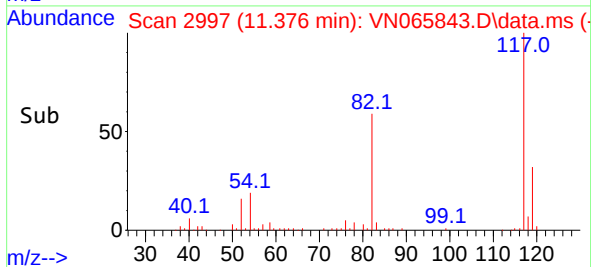
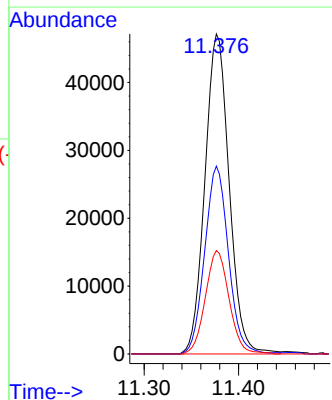
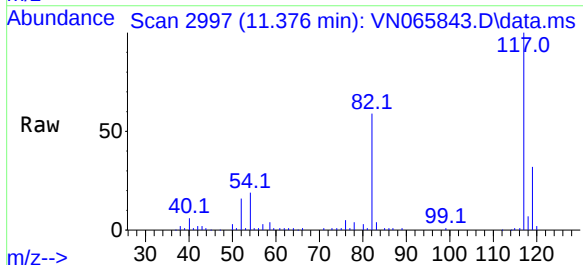
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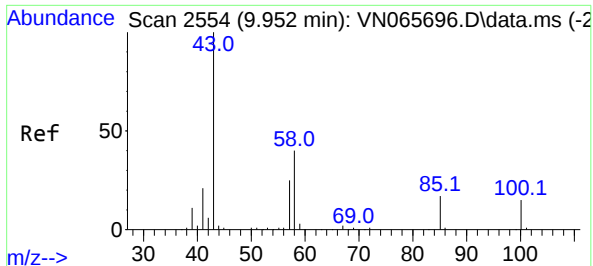
Tgt Ion: 88 Resp: 2204
Ion Ratio Lower Upper
88 100
43 12.2 28.3 42.5#
58 68.6 53.8 80.6



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 117 Resp: 84088
Ion Ratio Lower Upper
117 100
82 57.4 41.3 61.9
119 31.6 25.7 38.5

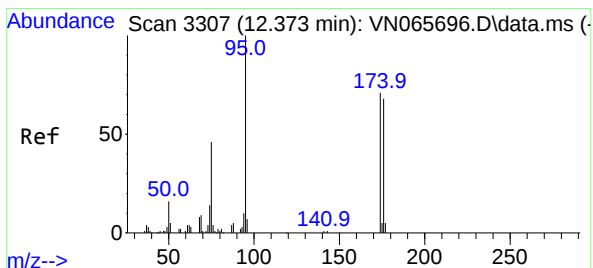
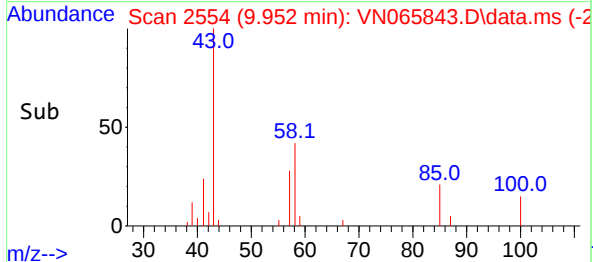
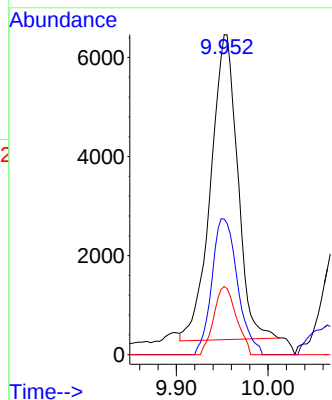
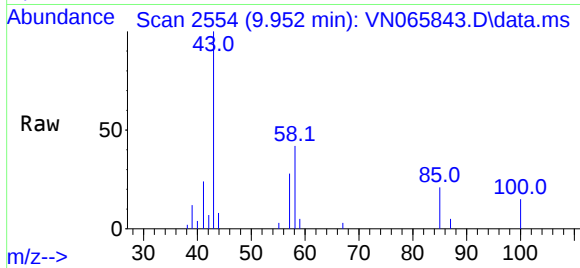




#58
4-Methyl-2-Pentanone
Concen: 8.99 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

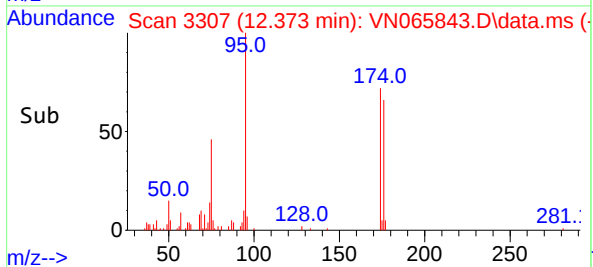
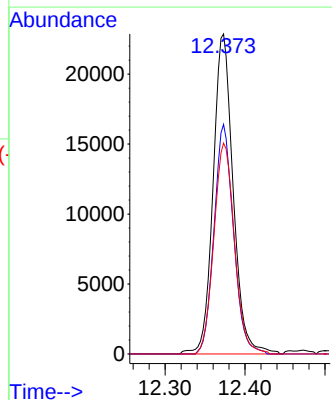
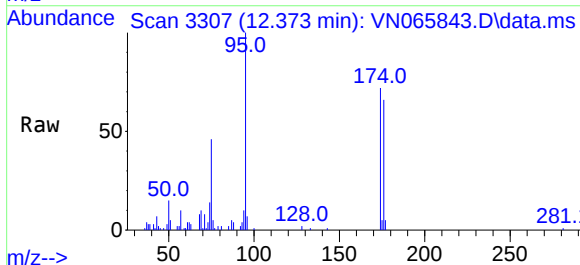
Instrument :
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ClientSampleId :
210210007-02-VOA

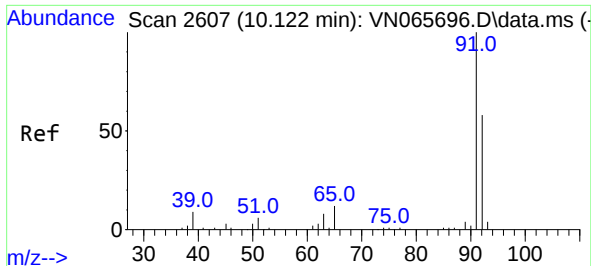
Tgt Ion:	43	Resp:	12555
Ion	Ratio	Lower	Upper
43	100		
58	42.5	32.7	49.1
85	18.7	16.0	24.0



#60
4-Bromofluorobenzene
Concen: 29.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:	95	Resp:	39780
Ion	Ratio	Lower	Upper
95	100		
174	69.8	77.0	115.6#
176	67.6	75.8	113.6#

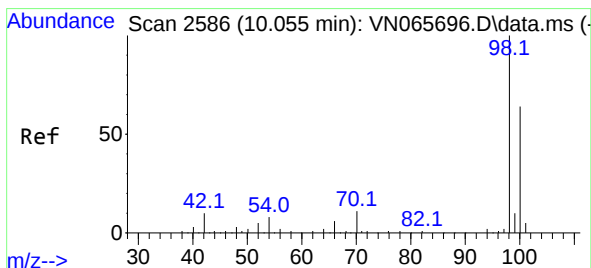
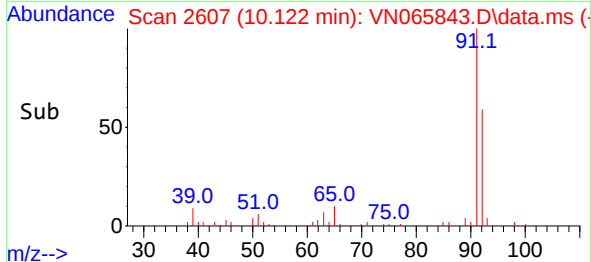
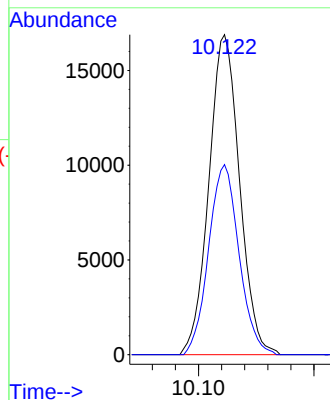
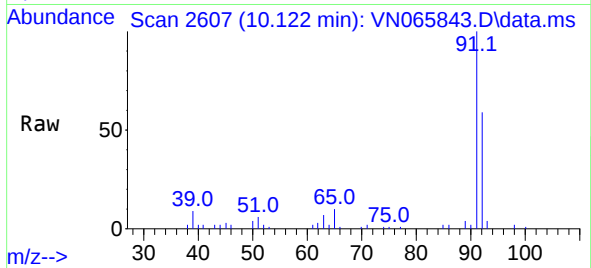




#62
Toluene
Concen: 6.35 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

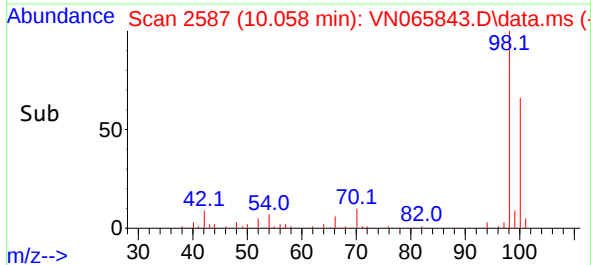
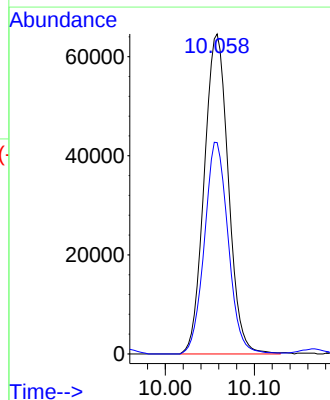
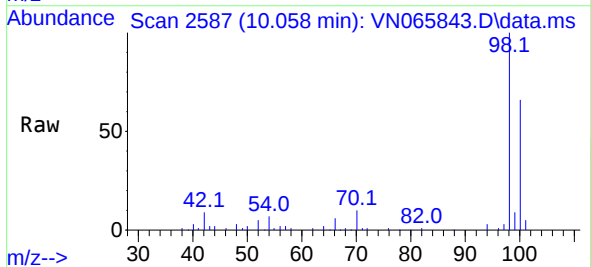
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

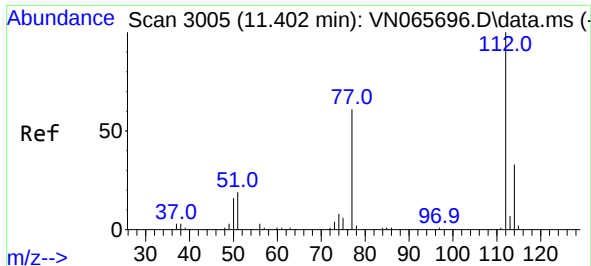
Tgt Ion: 91 Resp: 31212
Ion Ratio Lower Upper
91 100
92 58.8 46.2 69.4



#63
Toluene-d8
Concen: 30.07 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 98 Resp: 121573
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

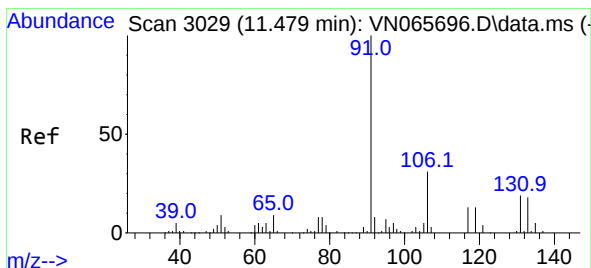
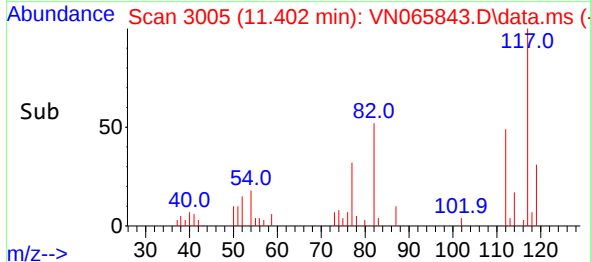
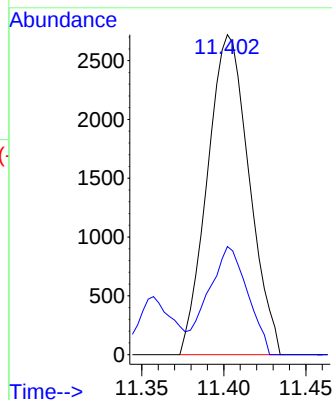
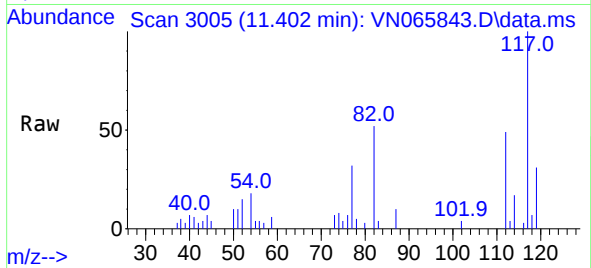




#64
Chlorobenzene
Concen: 1.66 ug/l
RT: 11.402 min Scan# 3005
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

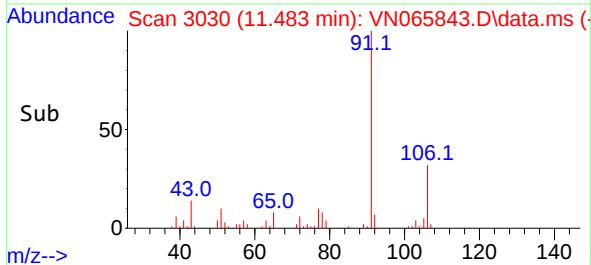
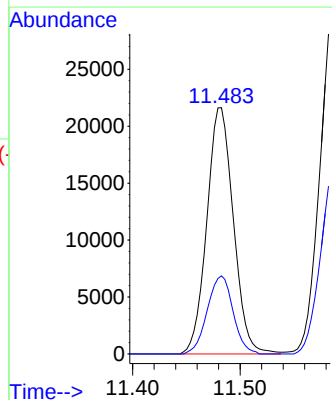
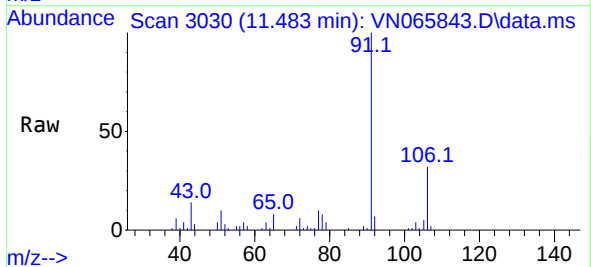
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

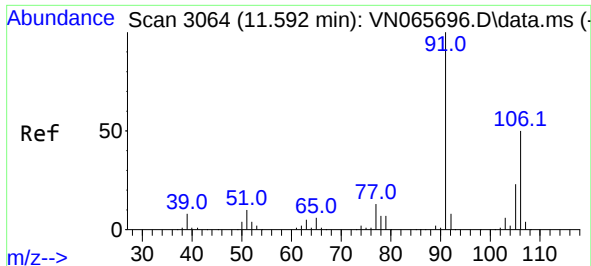
Tgt Ion:112 Resp: 4805
Ion Ratio Lower Upper
112 100
114 33.8 25.5 38.3



#66
Ethyl Benzene
Concen: 7.07 ug/l
RT: 11.483 min Scan# 3030
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 91 Resp: 37196
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

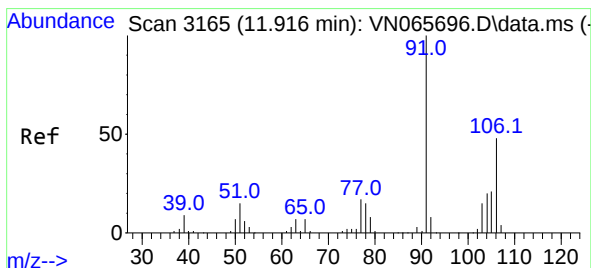
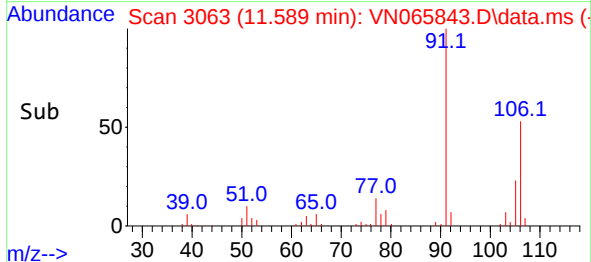
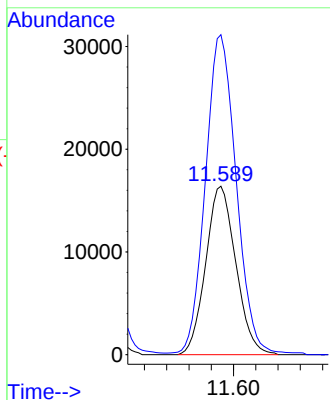
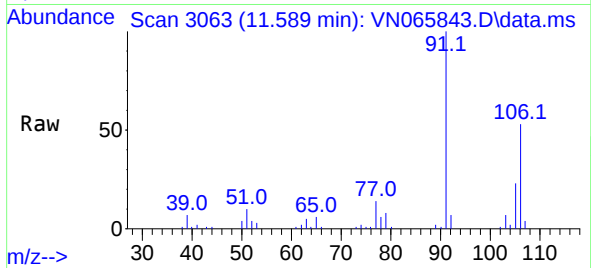




#67
m/p-Xylenes
Concen: 15.72 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

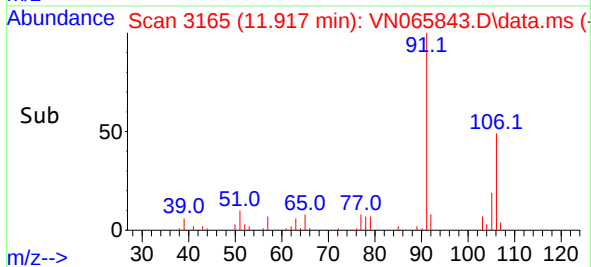
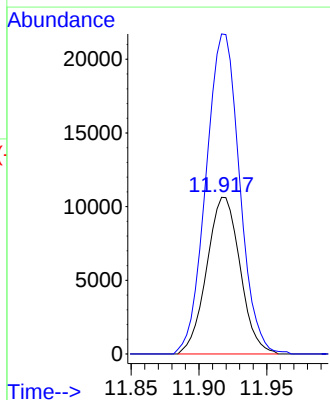
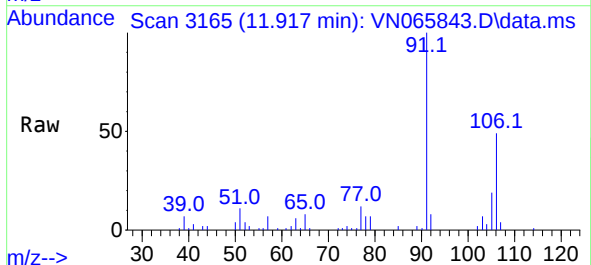
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

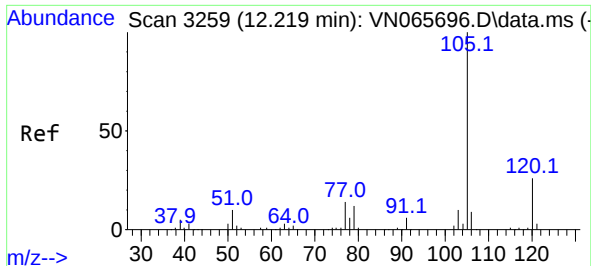
Tgt Ion:106 Resp: 30811
Ion Ratio Lower Upper
106 100
91 192.1 159.0 238.6



#68
o-Xylene
Concen: 9.54 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:106 Resp: 18213
Ion Ratio Lower Upper
106 100
91 205.8 104.7 313.9

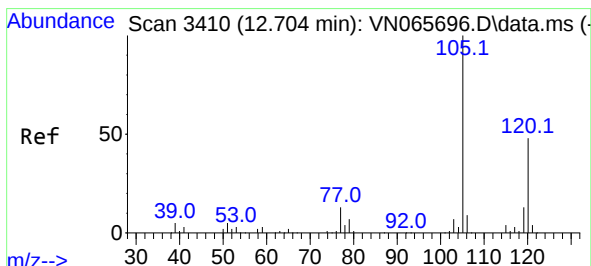
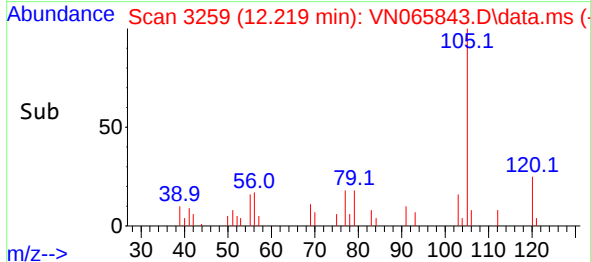
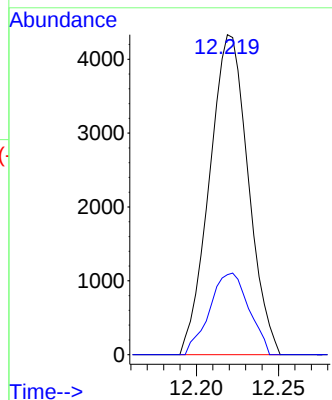
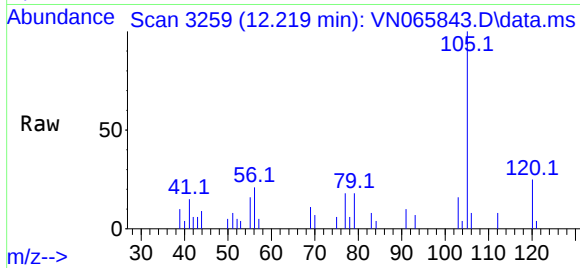




#70
Isopropylbenzene
Concen: 1.45 ug/l
RT: 12.219 min Scan# 3259
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

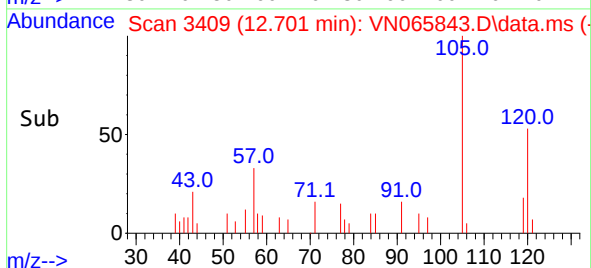
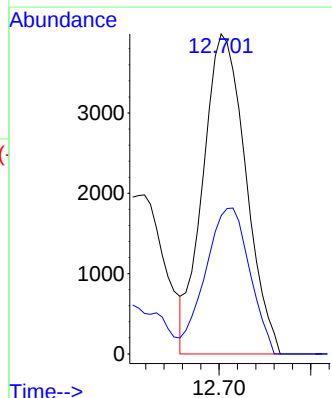
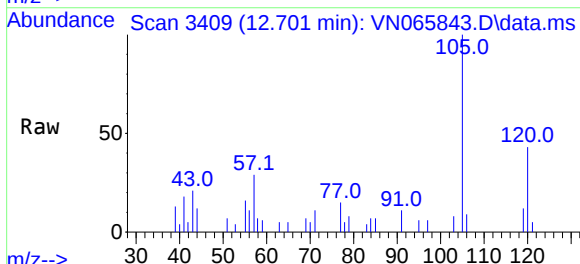
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

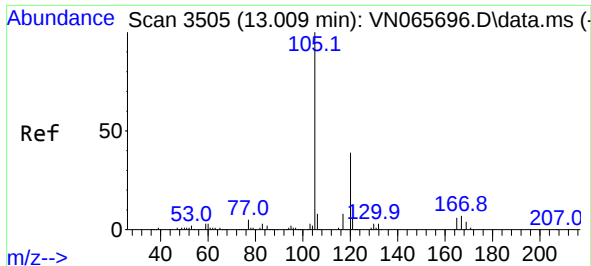
Tgt Ion:105 Resp: 7113
Ion Ratio Lower Upper
105 100
120 25.9 19.3 35.9



#76
1,3,5-Trimethylbenzene
Concen: 1.57 ug/l
RT: 12.701 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:105 Resp: 6454
Ion Ratio Lower Upper
105 100
120 46.9 0.0 101.6

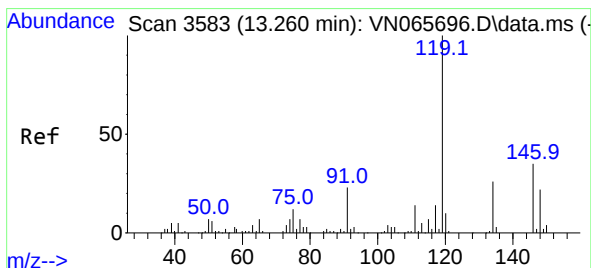
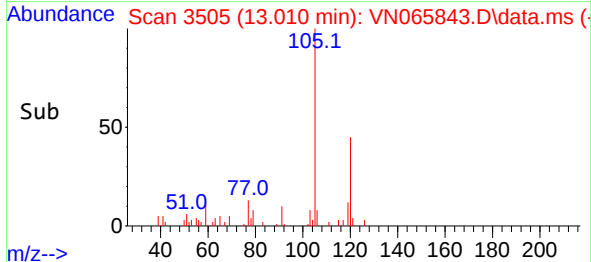
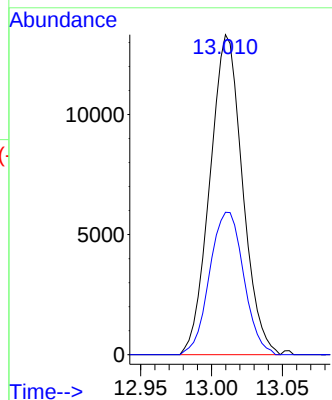
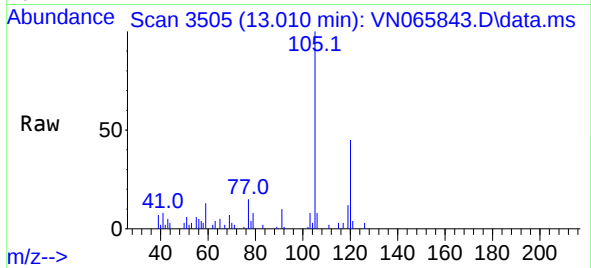




#80
1,2,4-Trimethylbenzene
Concen: 5.19 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

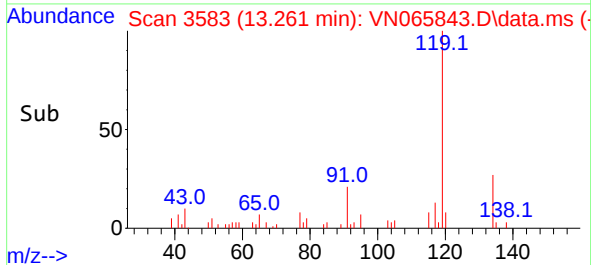
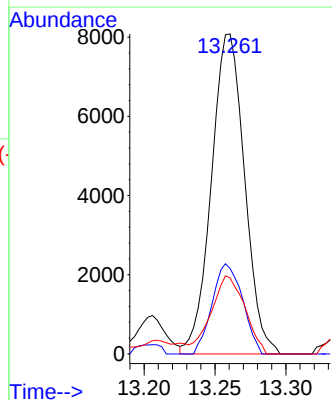
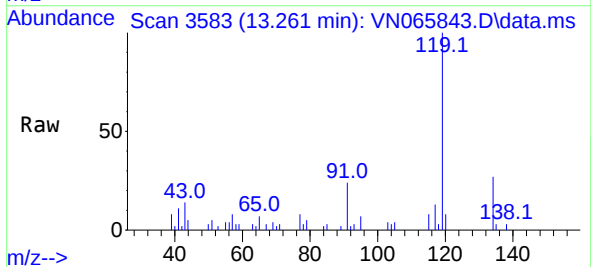
Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

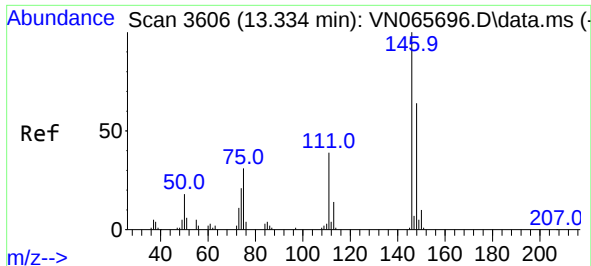
Tgt Ion:105 Resp: 21313
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.6



#82
p-Isopropyltoluene
Concen: 3.27 ug/l
RT: 13.261 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:119 Resp: 13182
Ion Ratio Lower Upper
119 100
134 25.7 0.0 54.8
91 24.7 0.0 44.8

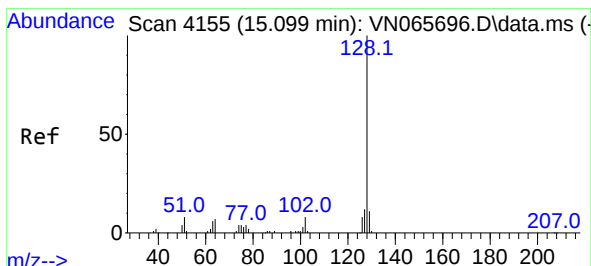
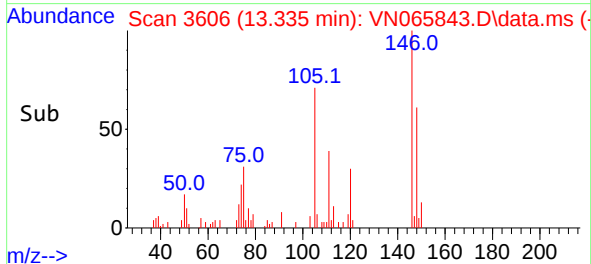
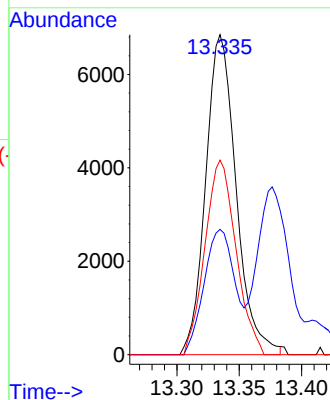
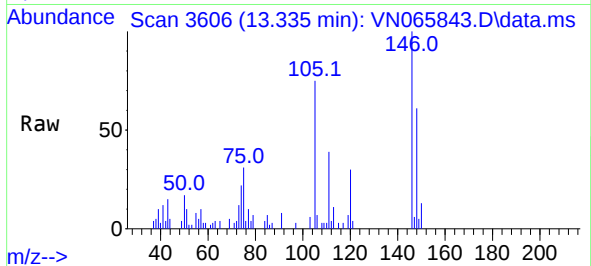




#84
1,4-Dichlorobenzene
Concen: 6.15 ug/l
RT: 13.335 min Scan# 3606
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Instrument :
MSVOA_N
ClientSampleId :
210210007-02-VOA

Tgt Ion:	146	Resp:	11657
Ion	Ratio	Lower	Upper
146	100		
111	39.6	17.9	53.7
148	61.9	31.8	95.4



#91
Naphthalene
Concen: 45.19 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:	128	Resp:	145667
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	12.8

