

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063952.D
 Acq On : 7 Oct 2020 18:55
 Operator : JC/MD
 Sample : L4250-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Manual Integrations
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MMDadoda
 10/8/2020 10:08:58 AM

Quant Time: Oct 08 06:05:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	248971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	456912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	471475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	214858	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	211185	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
35) Dibromofluoromethane	7.55	113	153384	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
50) Toluene-d8	10.06	98	582491	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.38	95	245359	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2800	0.908	ug/l	93
6) Chloroethane	2.68	64	4296	2.324	ug/l	96
11) Tert butyl alcohol	4.74	59	4629m	10.194	ug/l	
16) Acetone	3.78	43	75642	59.741	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	42491	4.665	ug/l #	74
25) 2-Butanone	6.79	43	25703	14.318	ug/l #	89
31) Cyclohexane	7.62	56	19035	3.986	ug/l #	77
39) Methylcyclohexane	9.05	83	4117	0.892	ug/l	91
40) Benzene	8.00	78	939725	71.076	ug/l	100
42) 1,2-Dichloroethane	8.09	62	32843	5.819	ug/l	91
52) Toluene	10.13	92	564461	69.022	ug/l	100
67) Ethyl Benzene	11.49	91	784537	44.580	ug/l	100
68) m/p-Xylenes	11.60	106	290901	44.352	ug/l	97
69) o-Xylene	11.92	106	854949	139.461	ug/l	99
73) Isopropylbenzene	12.23	105	26707	1.704	ug/l	95
78) n-propylbenzene	12.57	91	44926	2.463	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	82152	6.248	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	18934	1.442	ug/l	88
85) sec-Butylbenzene	13.15	105	7720m	0.547	ug/l	
95) Naphthalene	15.11	128	14680	3.142	ug/l #	94

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

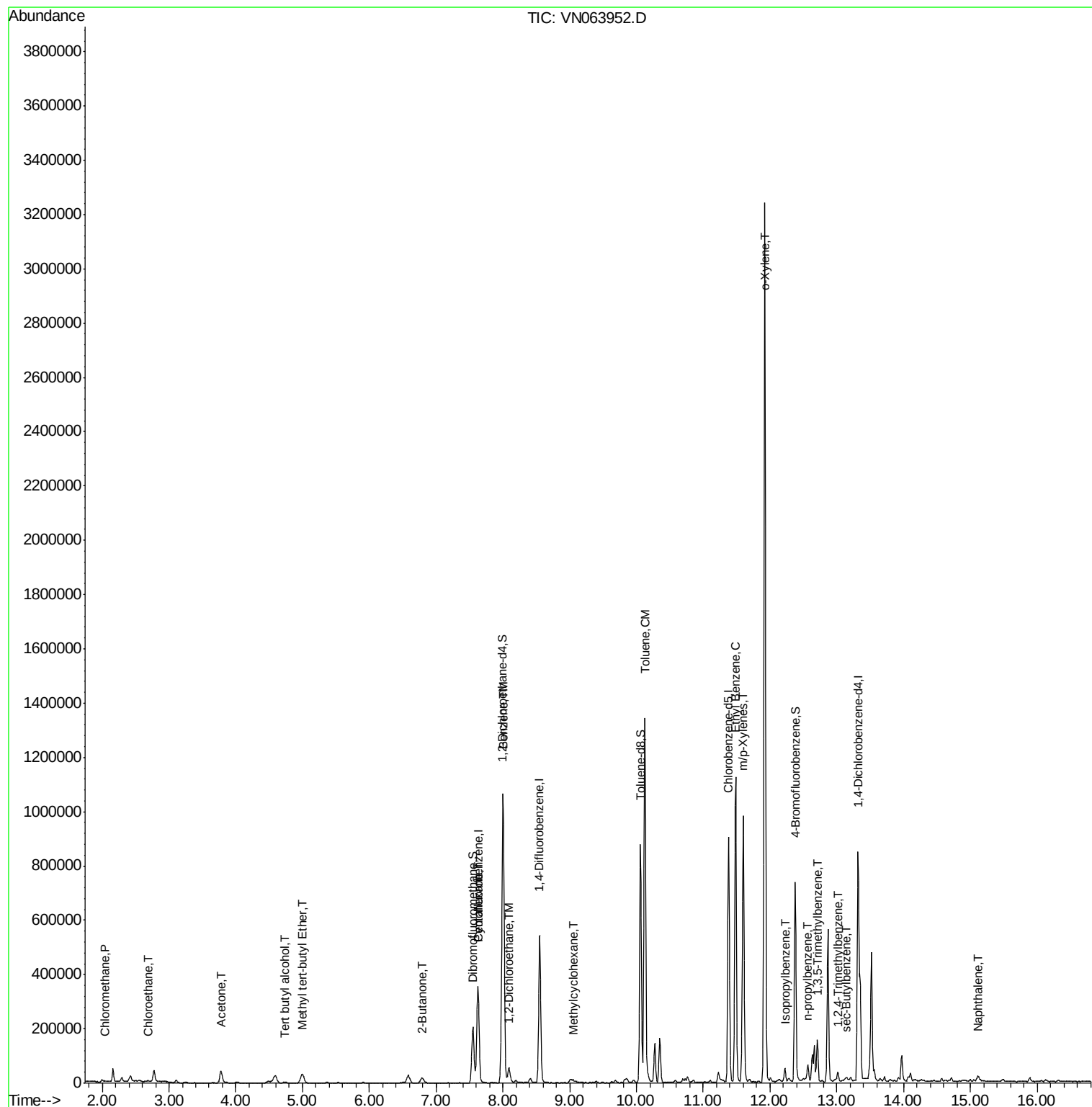
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100720\
Data File : VN063952.D
Acq On : 7 Oct 2020 18:55
Operator : JC/MD
Sample : L4250-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

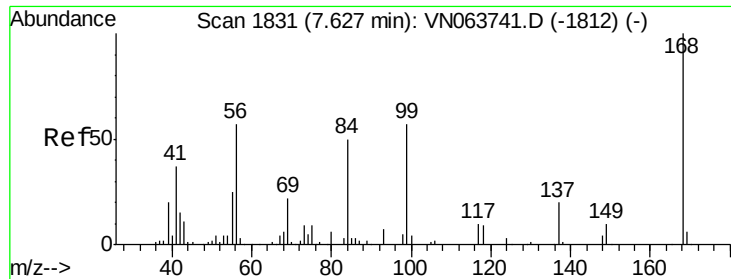
Instrument :
MSVOA_N
ClientSampleId :
MW-12

Manual Integrations
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Quant Time: Oct 08 06:05:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tot Ion:168 Resp: 248971

Ion Ratio Lower Upper

168 100

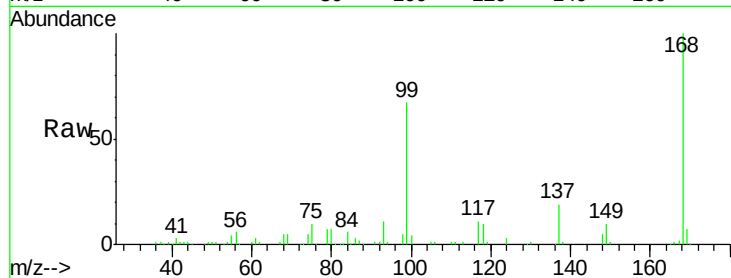
99 66.8 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

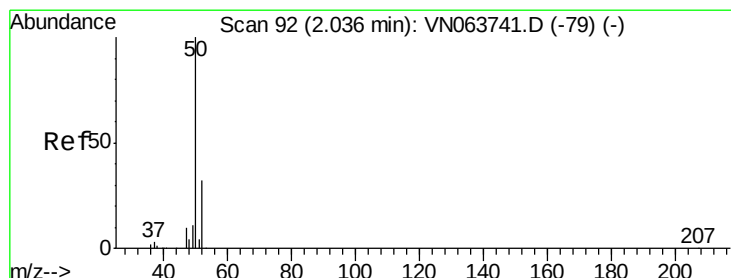
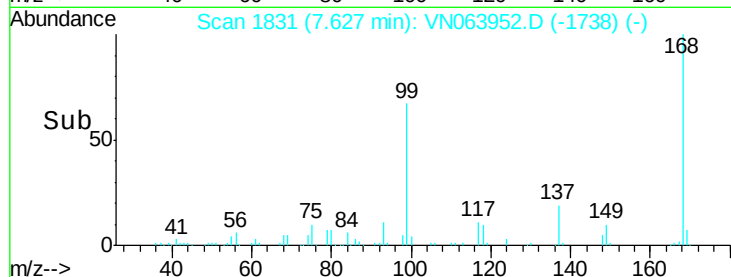
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.908 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063952.D

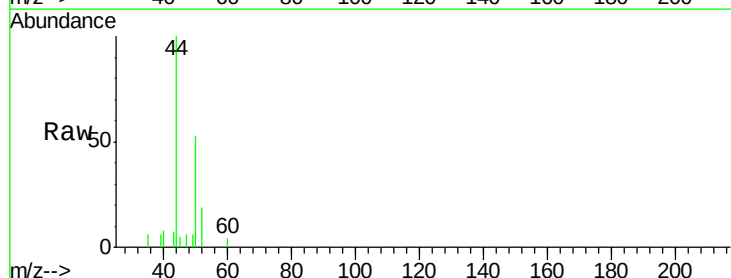
Acq: 7 Oct 2020 18:55

Tgt Ion: 50 Resp: 2800

Ion Ratio Lower Upper

50 100

52 36.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2500

2000

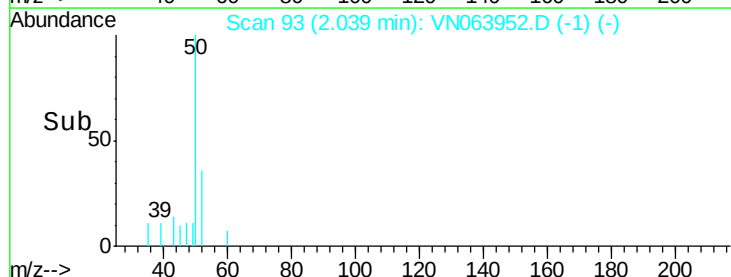
1500

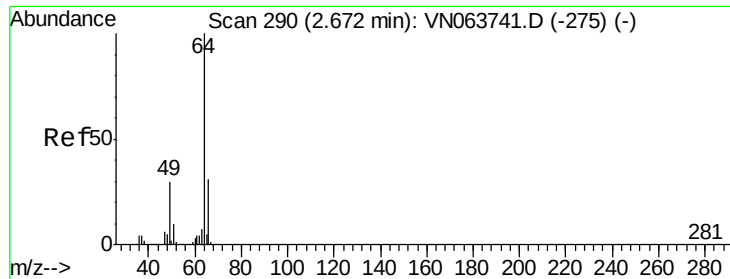
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08





#6

Chloroethane

Concen: 2.324 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

MW-12

Tot Ion: 64 Resp: 4296

Ion Ratio Lower Upper

64 100

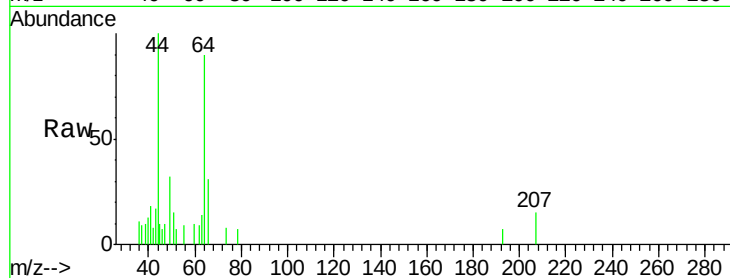
66 33.9 25.1 37.7

Manual Integrations

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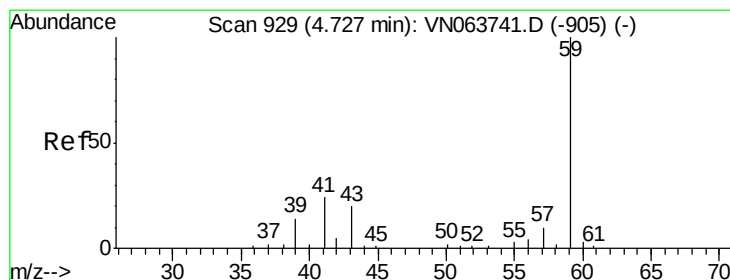
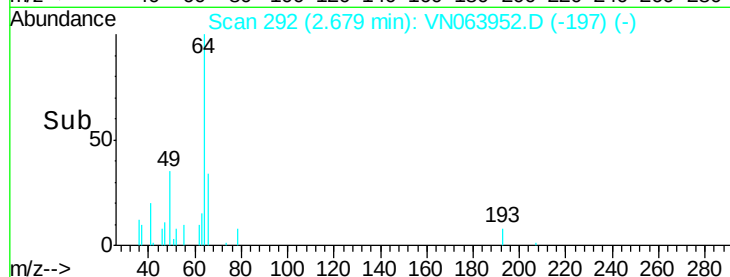
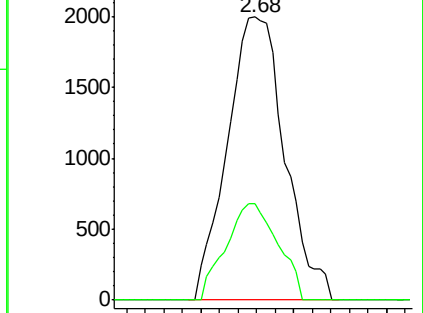
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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 10.194 ug/l m

RT: 4.74 min Scan# 934

Delta R.T. 0.02 min

Lab File: VN063952.D

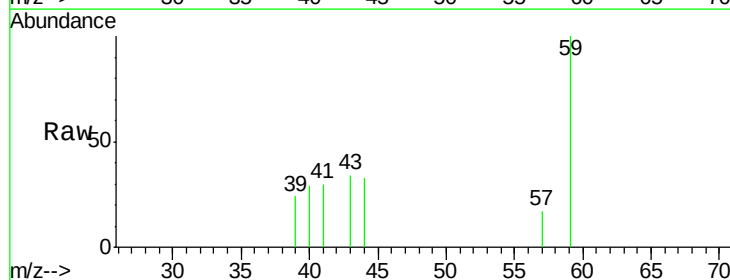
Acq: 7 Oct 2020 18:55

Tgt Ion: 59 Resp: 4629

Ion Ratio Lower Upper

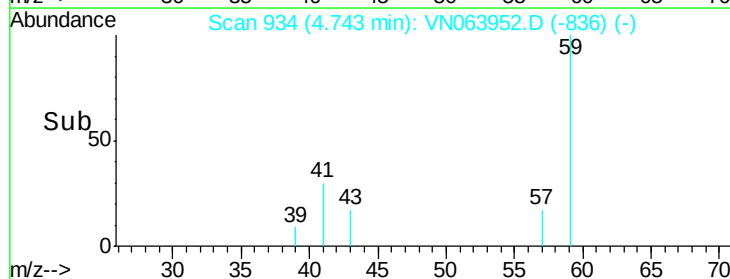
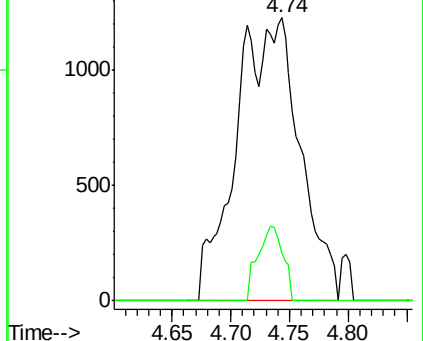
59 100

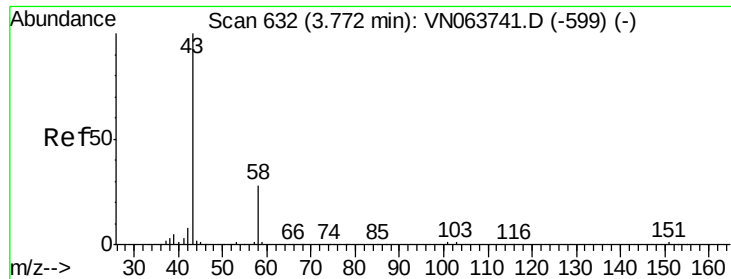
57 10.4 8.7 13.1



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





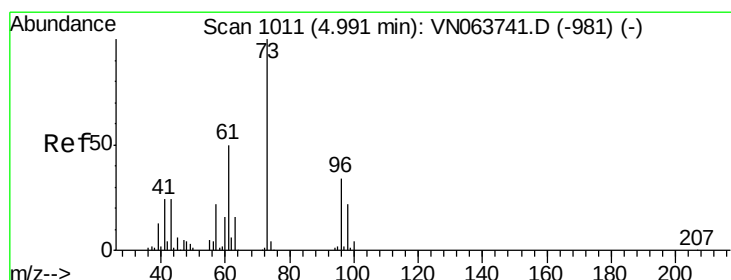
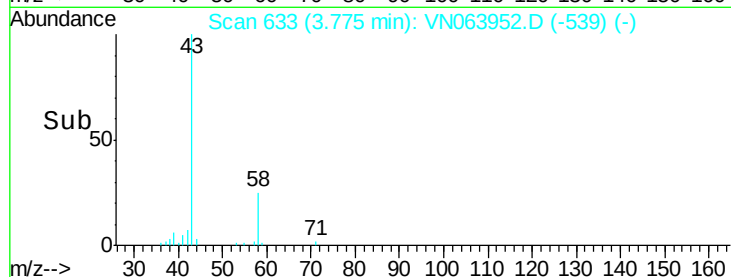
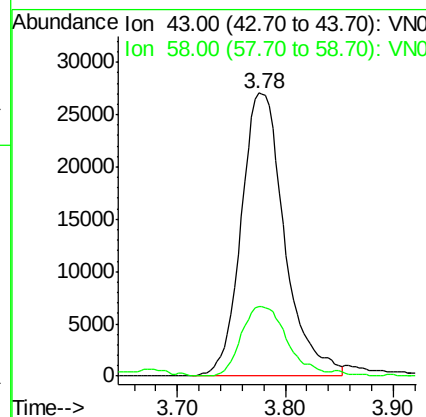
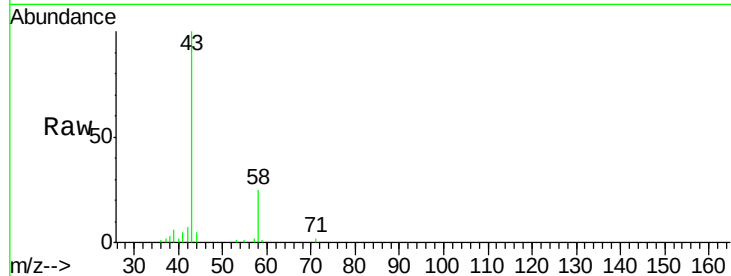
#16
Acetone
Concen: 59.741 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion: 43 Resp: 75642
Ion Ratio Lower Upper
43 100
58 24.7 22.3 33.5

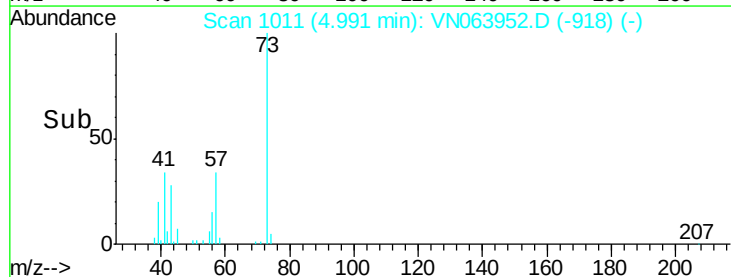
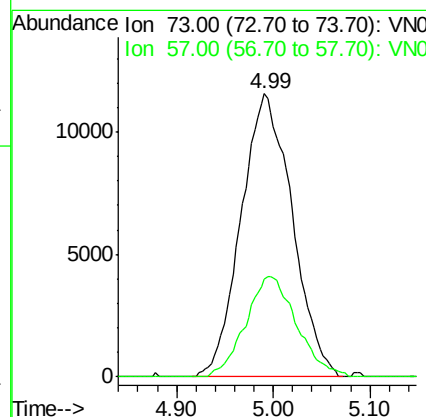
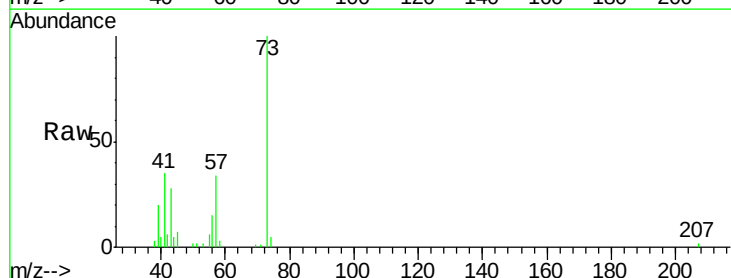
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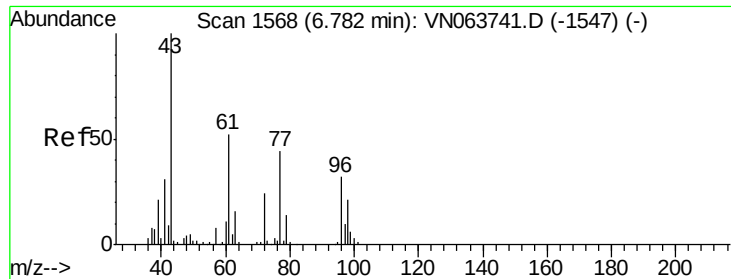
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#19
Methyl tert-butyl Ether
Concen: 4.665 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion: 73 Resp: 42491
Ion Ratio Lower Upper
73 100
57 34.4 17.6 26.4#





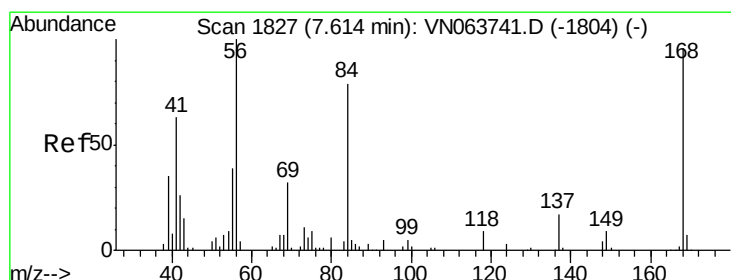
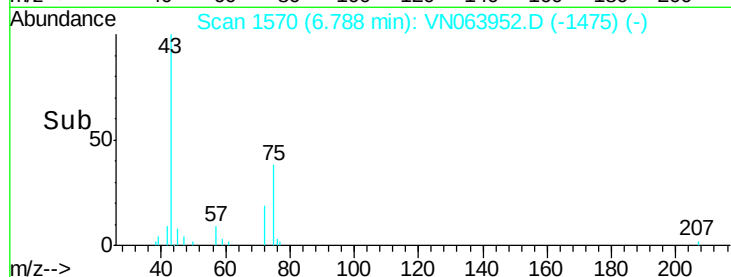
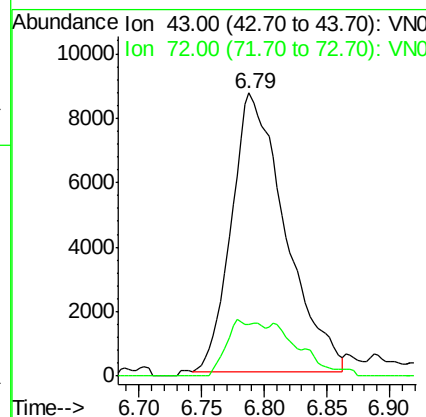
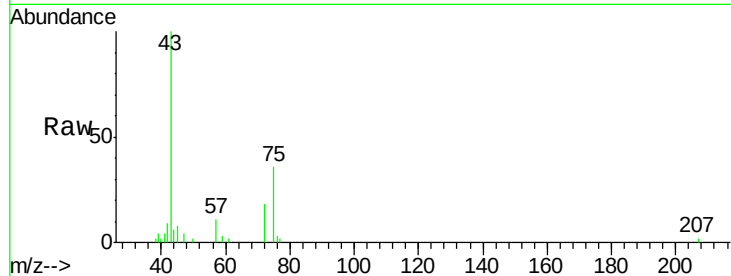
#25
2-Butanone
Concen: 14.318 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tot Ion: 43 Resp: 25703
Ion Ratio Lower Upper
43 100
72 18.7 19.3 28.9#

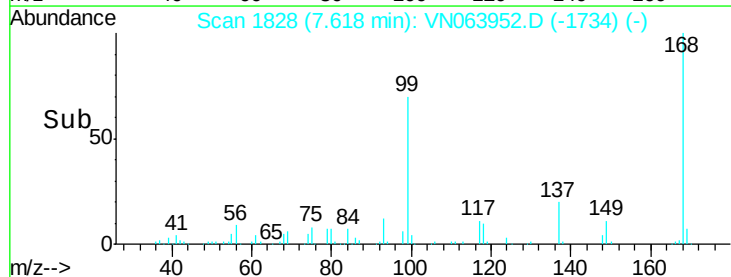
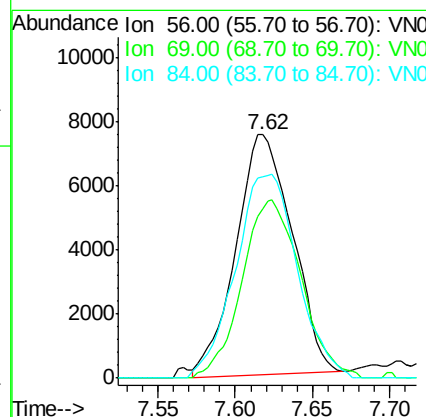
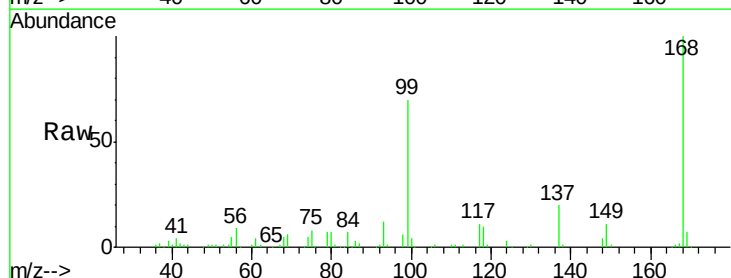
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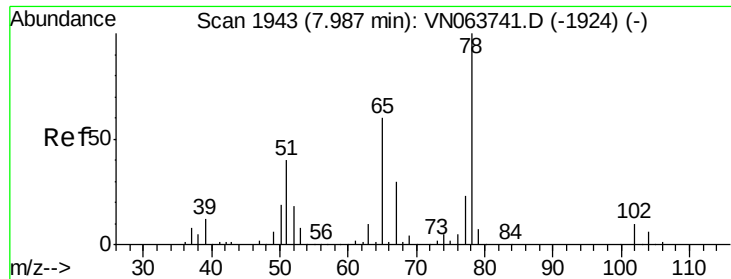
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#31
Cyclohexane
Concen: 3.986 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion: 56 Resp: 19035
Ion Ratio Lower Upper
56 100
69 71.7 25.4 38.2#
84 82.0 63.3 94.9





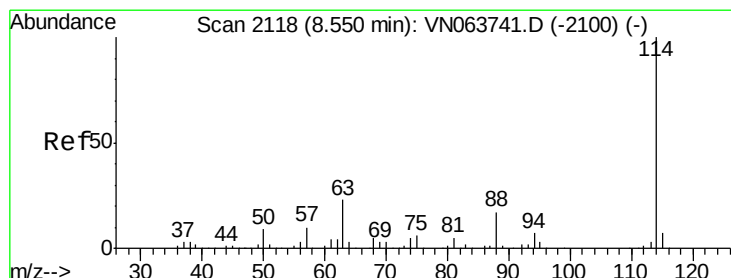
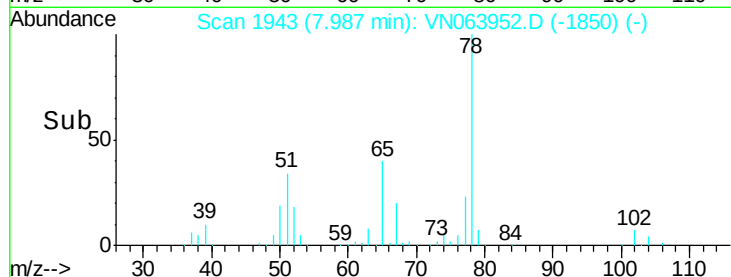
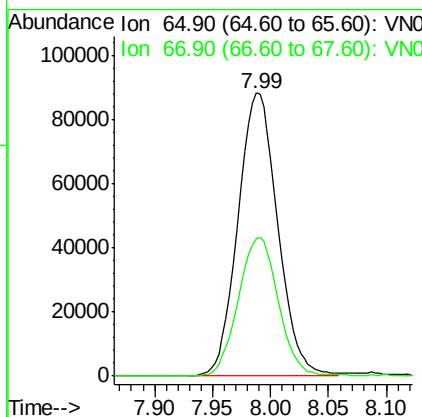
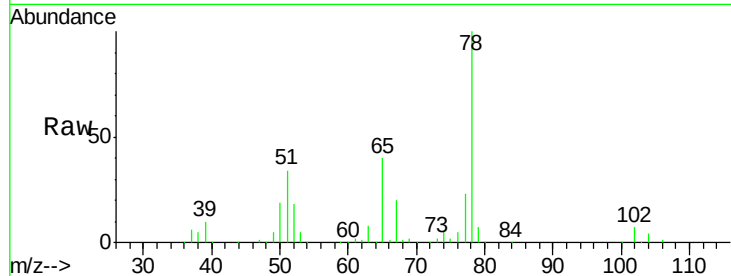
#33
 1,2-Dichloroethane-d4
 Concen: 51.344 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211185		
67	49.1	0.0	99.6	

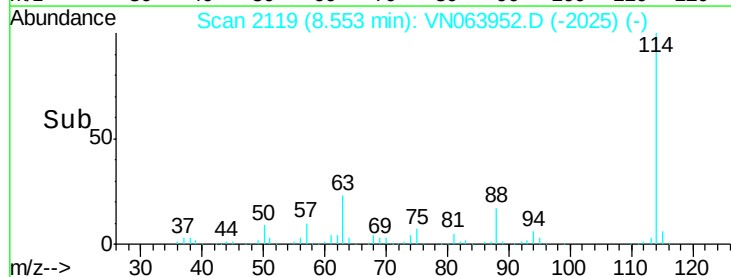
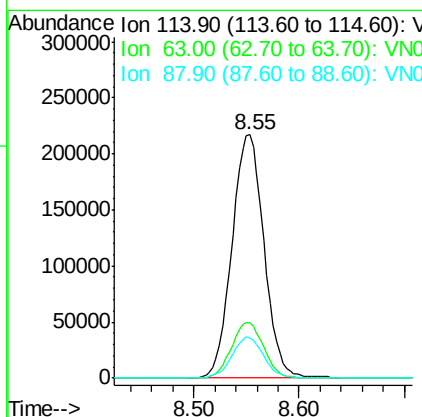
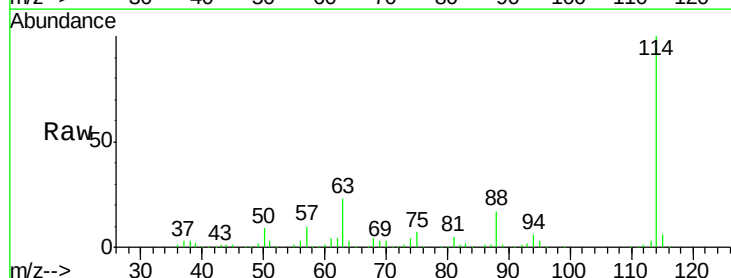
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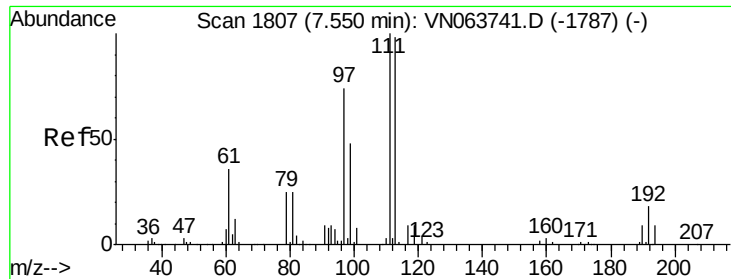
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	456912		
63	22.7	0.0	45.0	
88	16.5	0.0	34.0	





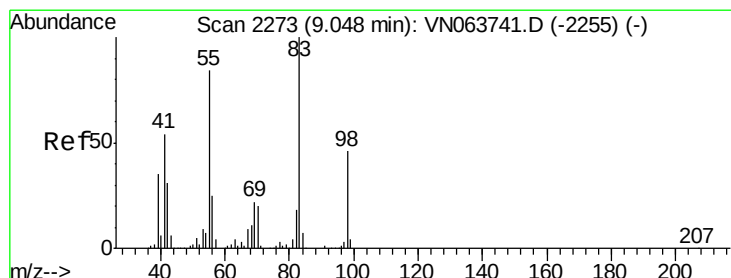
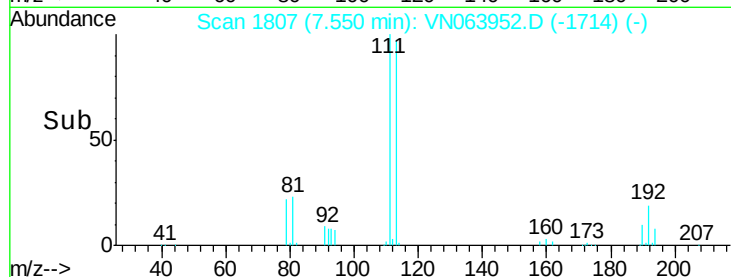
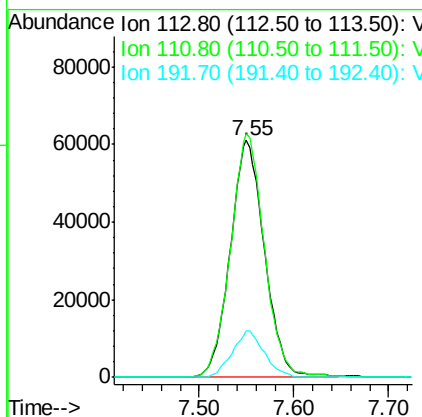
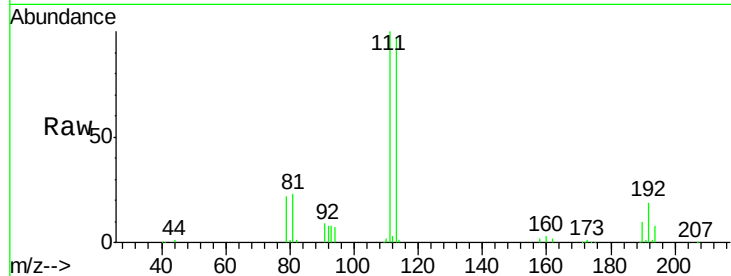
#35
Dibromofluoromethane
Concen: 48.380 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153384		
111	100.9	81.8	122.8	
192	18.3	14.2	21.2	

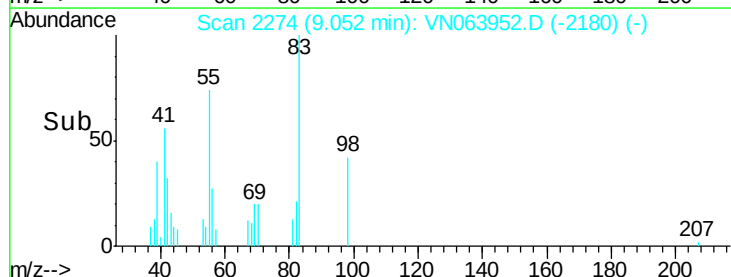
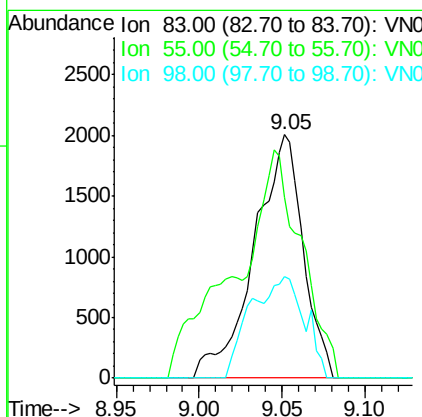
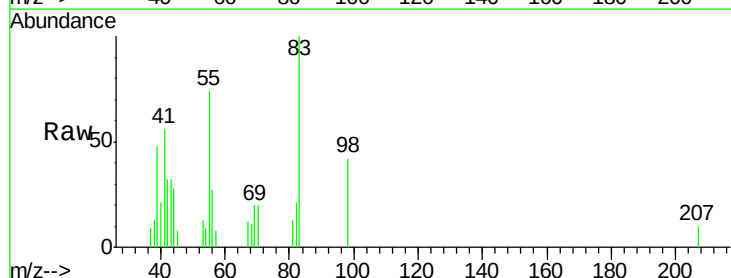
Manual Integrations
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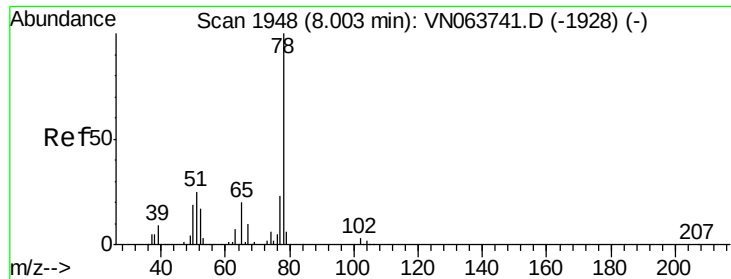
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10/8/2020 10:08:58 AM



#39
Methylcyclohexane
Concen: 0.892 ug/l
RT: 9.05 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4117		
55	74.4	67.1	100.7	
98	41.9	36.6	54.8	





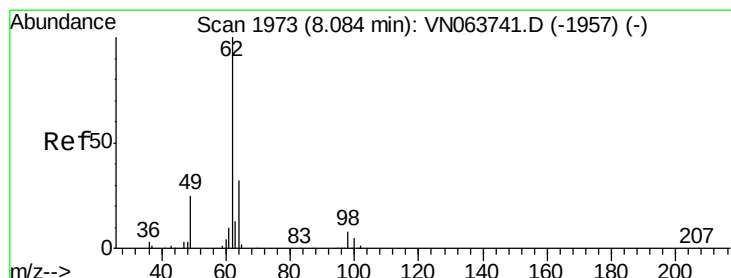
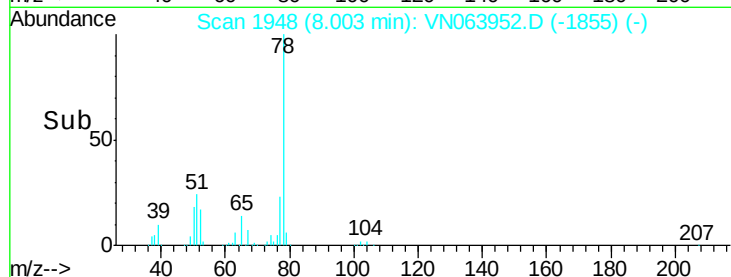
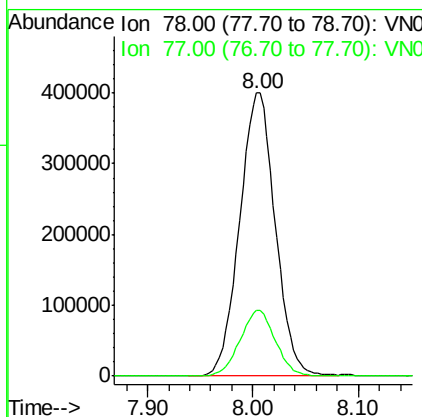
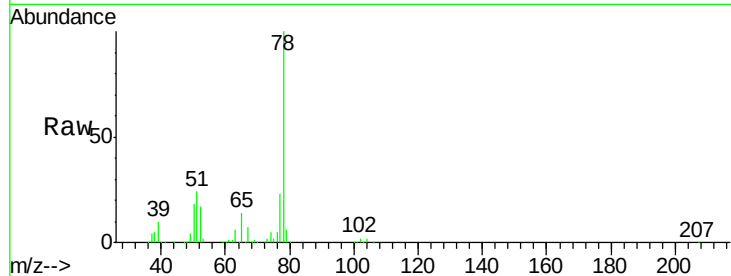
#40
Benzene
Concen: 71.076 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion: 78 Resp: 939725
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

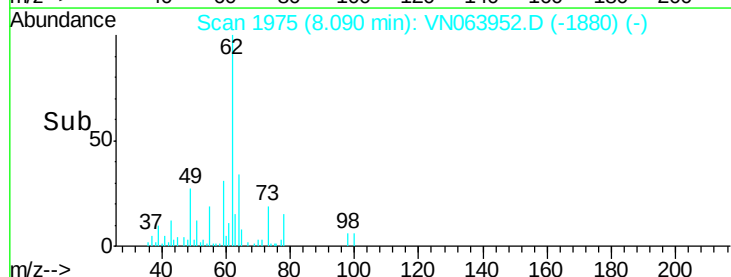
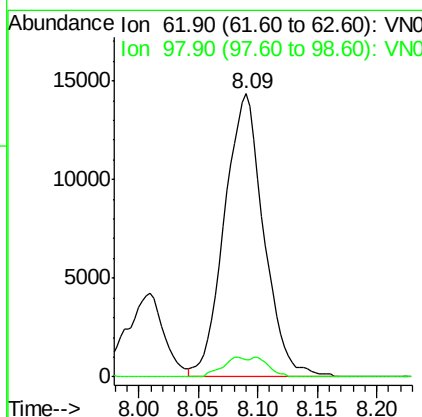
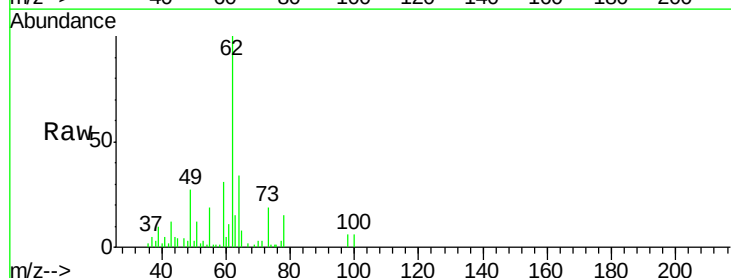
Manual Integrations
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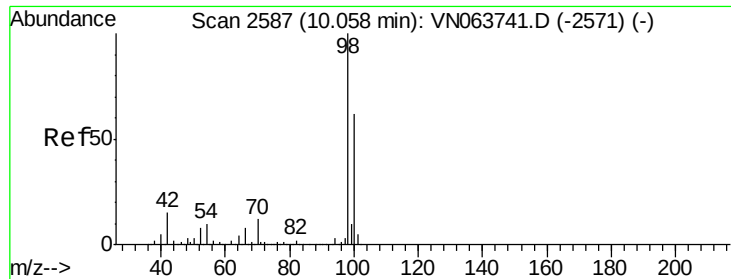
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#42
1,2-Dichloroethane
Concen: 5.819 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion: 62 Resp: 32843
Ion Ratio Lower Upper
62 100
98 4.2 0.0 15.0





#50

Toluene-d8

Concen: 48.466 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

MW-12

Tot Ion: 98 Resp: 582491

Ion Ratio Lower Upper

98 100

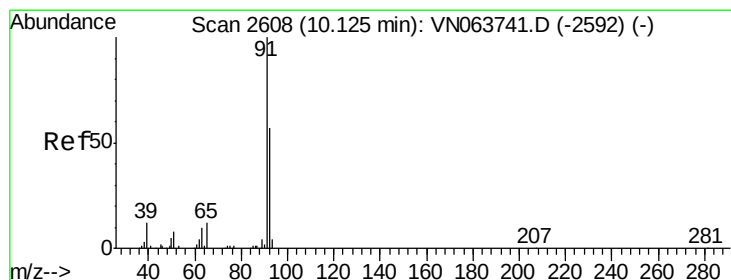
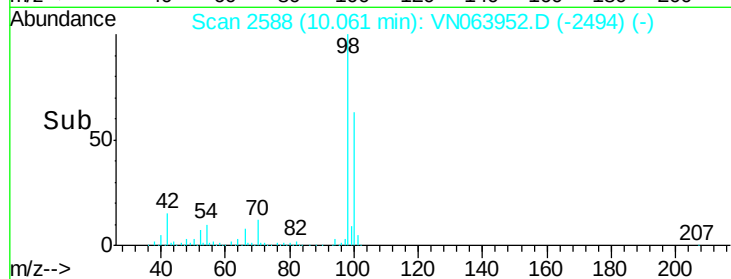
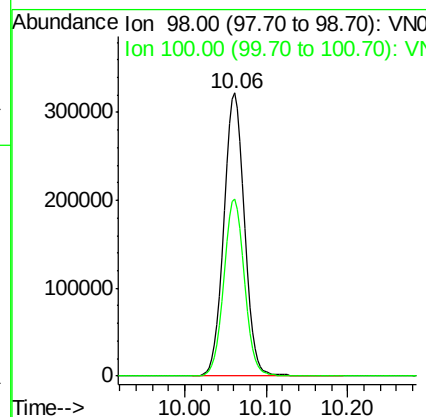
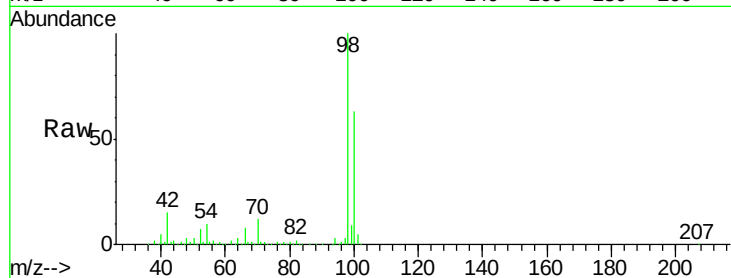
100 62.5 49.8 74.6

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#52

Toluene

Concen: 69.022 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063952.D

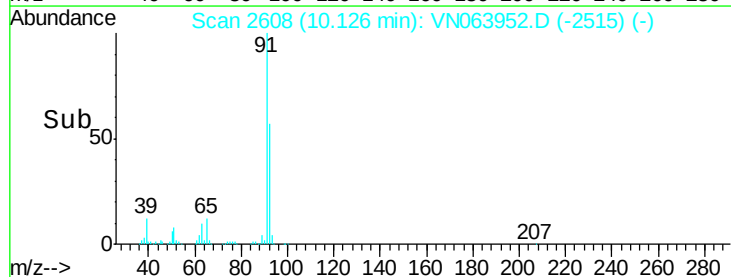
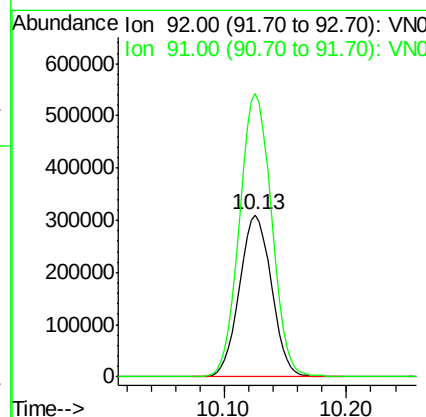
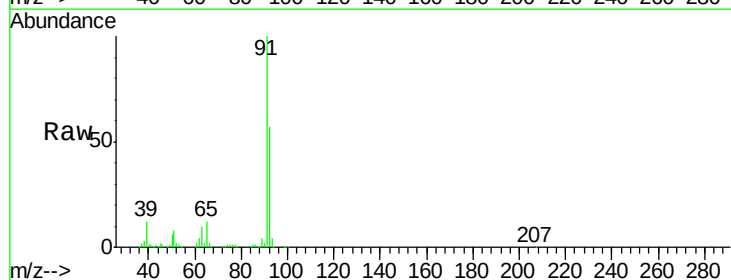
Acq: 7 Oct 2020 18:55

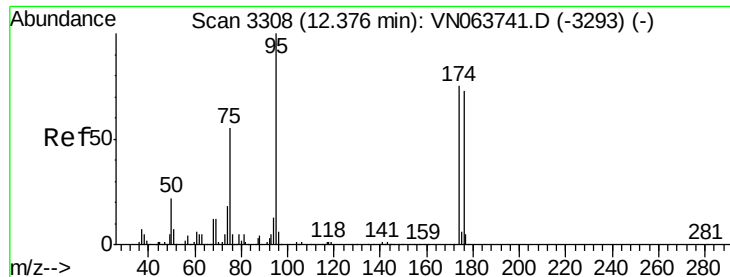
Tgt Ion: 92 Resp: 564461

Ion Ratio Lower Upper

92 100

91 175.8 140.6 210.8





#62

4-Bromofluorobenzene

Concen: 54.308 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Instrument :

MSVOA_N

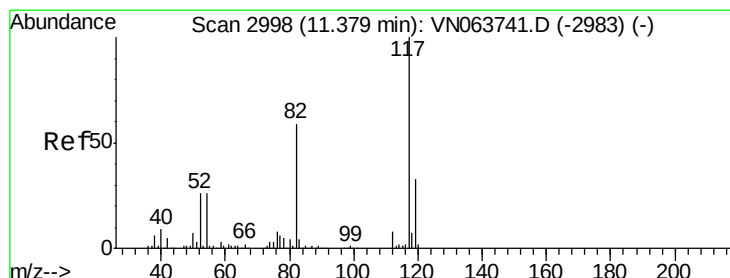
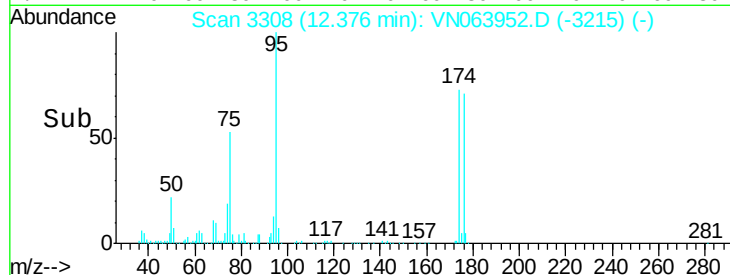
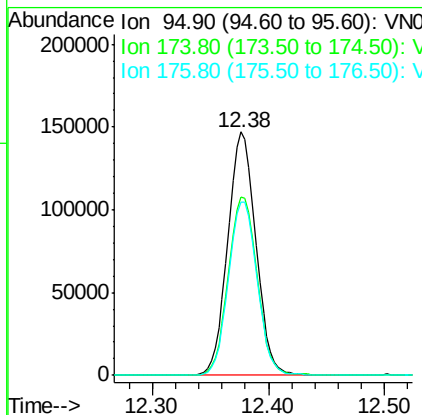
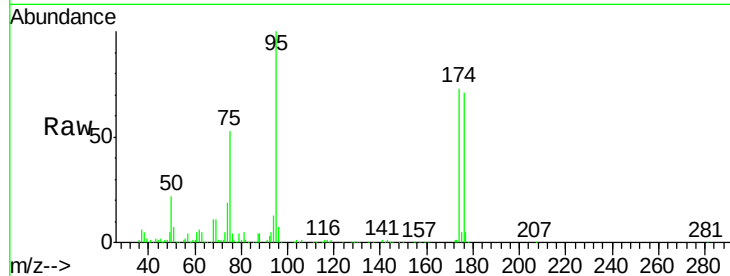
ClientSampled :

MW-12

Tot Ion:	95	Resp:	245359
Ion Ratio	Lower	Upper	
95	100		
174	75.5	0.0	150.6
176	72.6	0.0	145.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

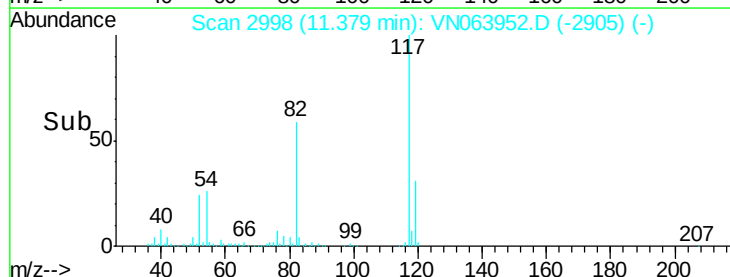
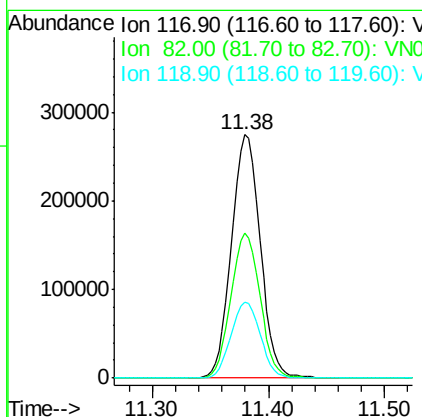
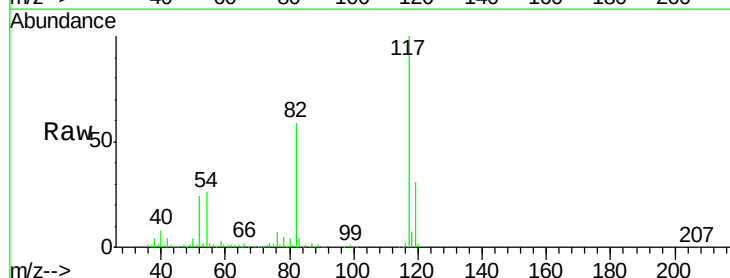
RT: 11.38 min Scan# 2998

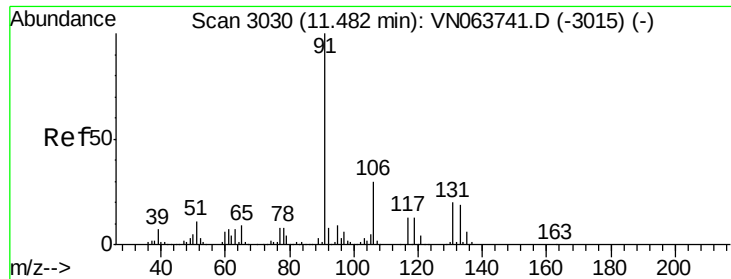
Delta R.T. 0.00 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Tgt Ion:	117	Resp:	471475
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.4	71.2
119	31.3	26.4	39.6





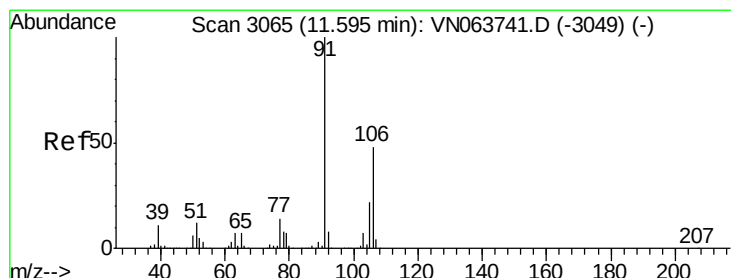
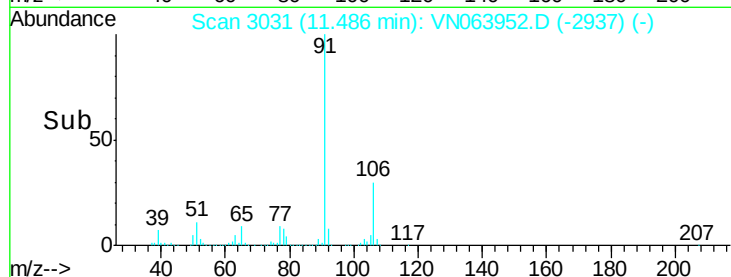
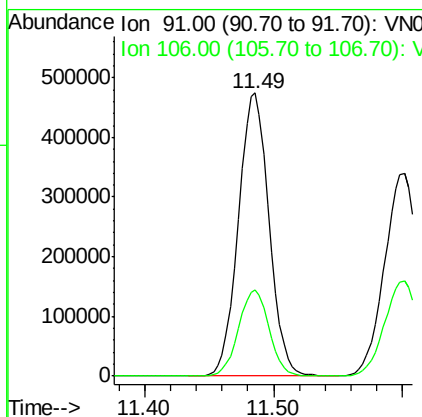
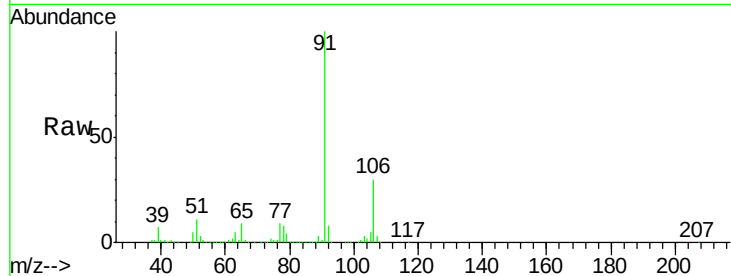
#67
Ethyl Benzene
Concen: 44.580 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion: 91 Resp: 784537
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

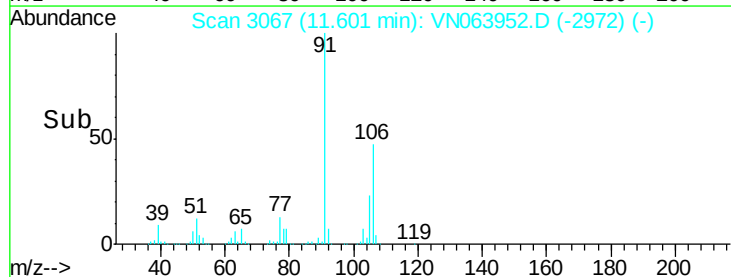
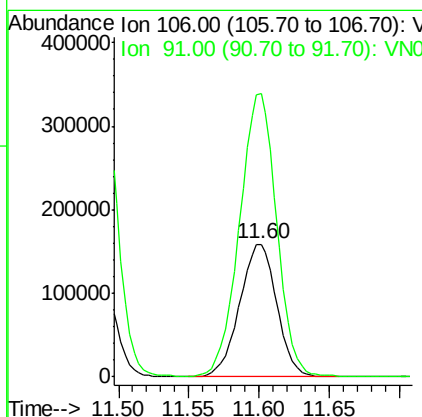
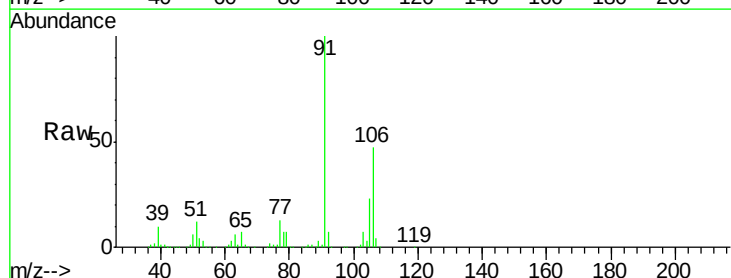
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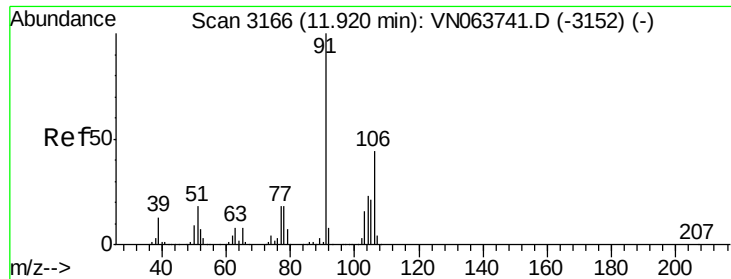
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#68
m/p-Xylenes
Concen: 44.352 ug/l
RT: 11.60 min Scan# 3067
Delta R.T. 0.01 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion: 106 Resp: 290901
Ion Ratio Lower Upper
106 100
91 214.7 168.0 252.0





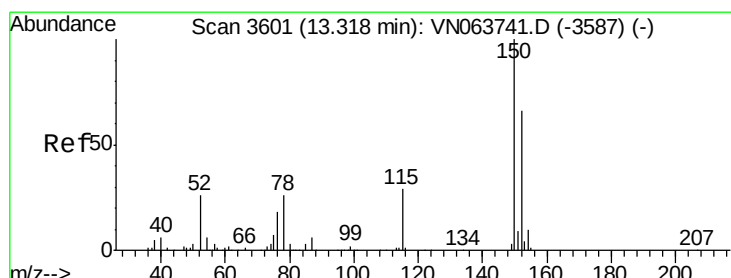
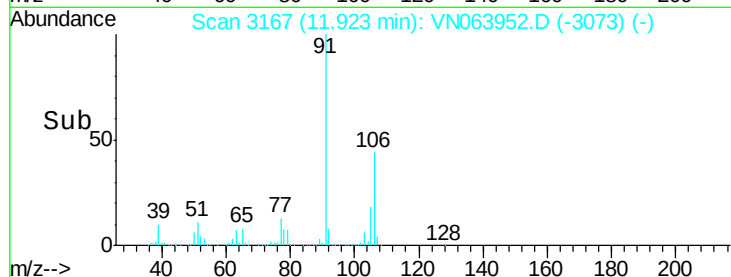
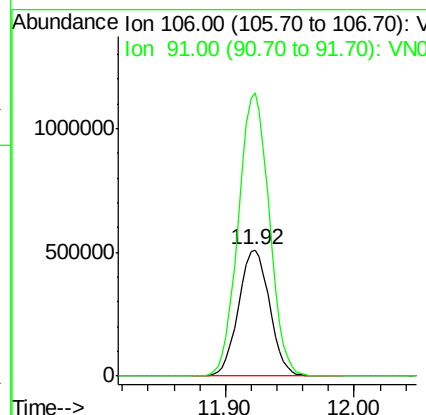
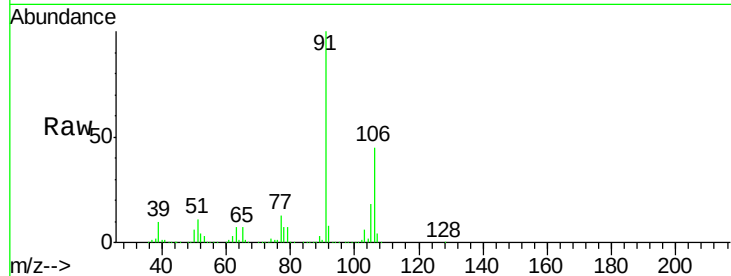
#69
o-Xylene
Concen: 139.461 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.9	112.7	338.0

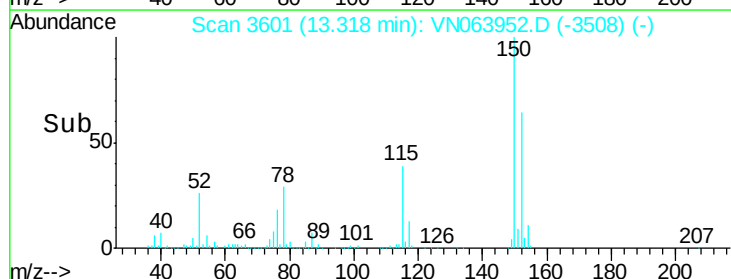
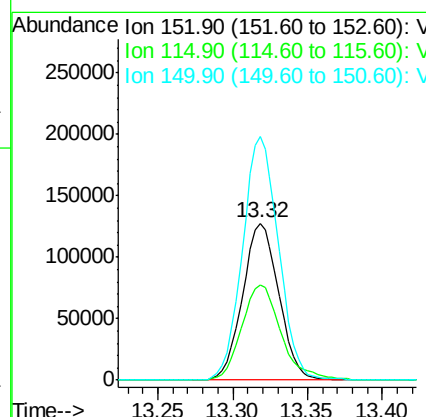
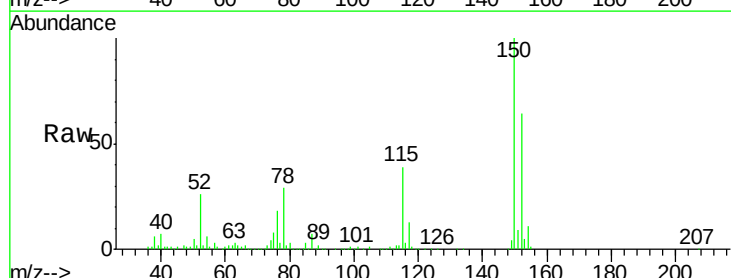
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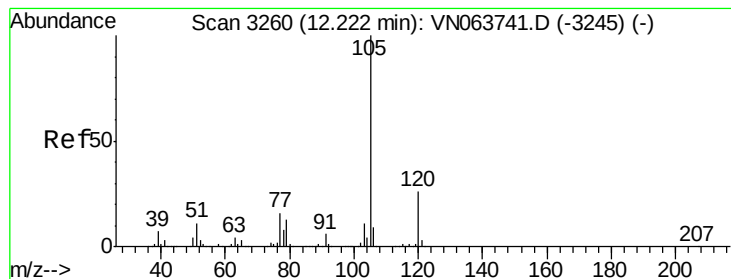
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063952.D
Acq: 7 Oct 2020 18:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	31.3	93.8
150	155.3	0.0	341.8





#73

Isopropylbenzene

Concen: 1.704 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063952.D

Acq: 7 Oct 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

MW-12

Tot Ion:105 Resp: 26707

Ion Ratio Lower Upper

105 100

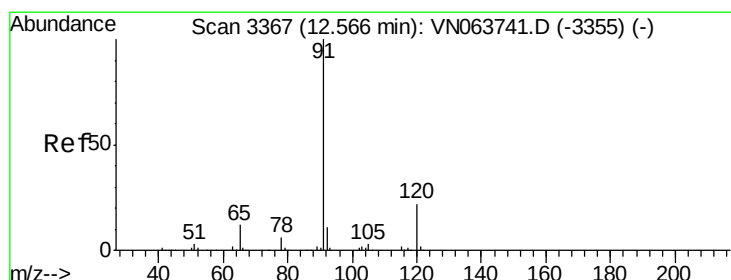
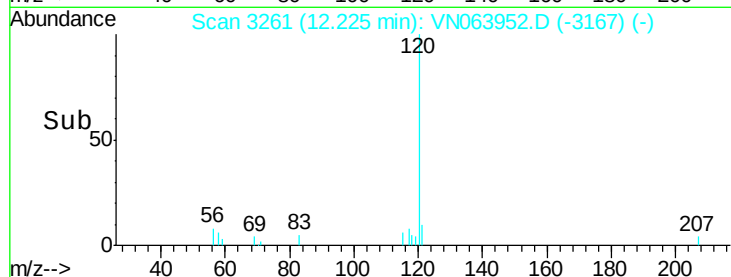
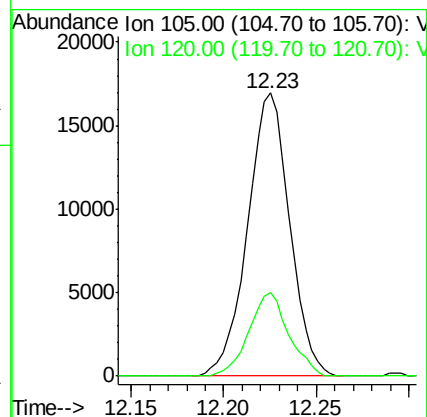
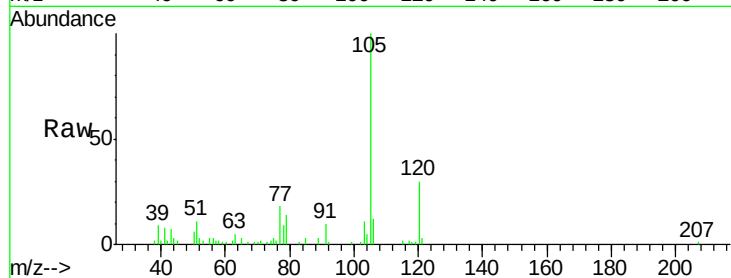
120 27.8 12.6 37.8

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#78

n-propylbenzene

Concen: 2.463 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063952.D

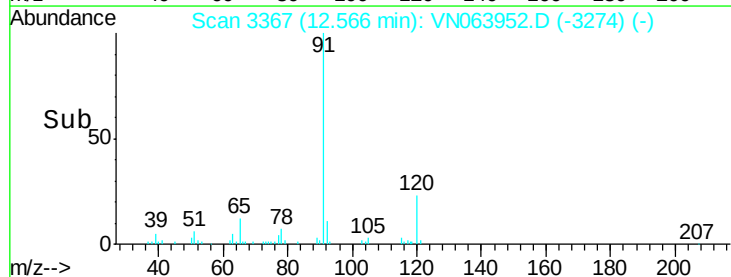
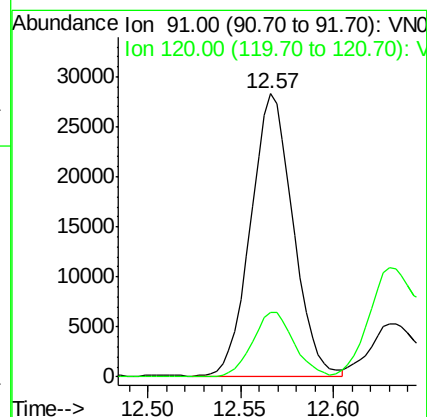
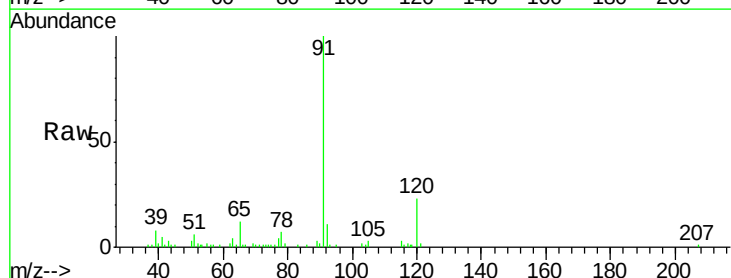
Acq: 7 Oct 2020 18:55

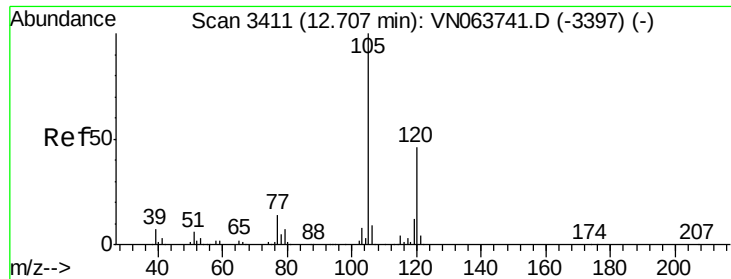
Tgt Ion: 91 Resp: 44926

Ion Ratio Lower Upper

91 100

120 22.4 11.1 33.1





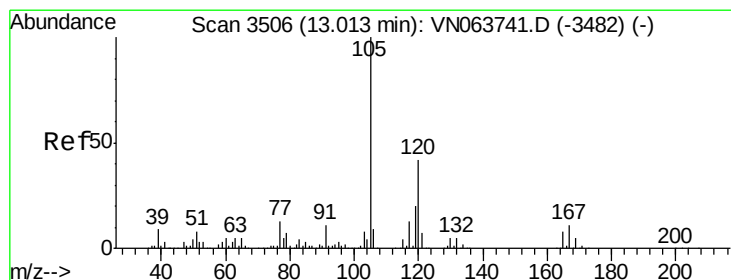
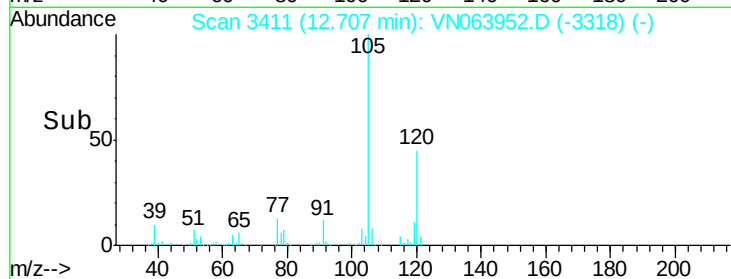
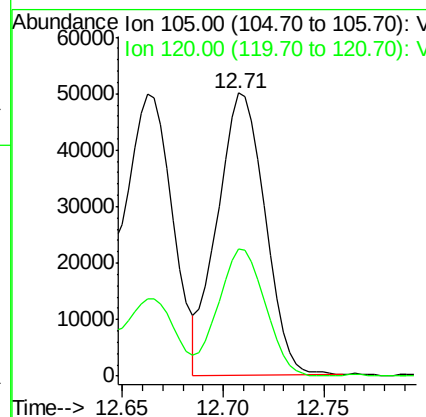
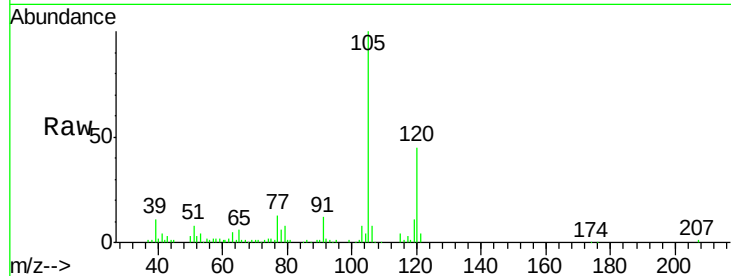
#80
 1,3,5-Trimethylbenzene
 Concen: 6.248 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Instrument :
 MSVOA_N
 ClientSampled :
 MW-12

Tot Ion:105 Resp: 82152
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.3 69.9

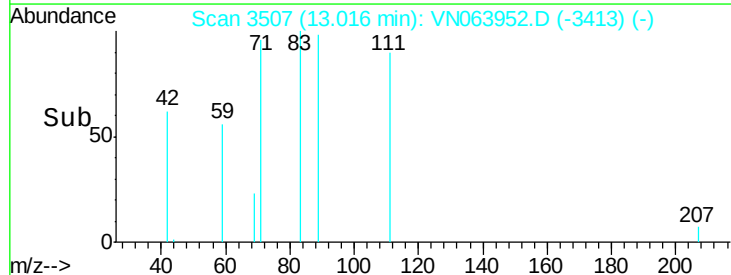
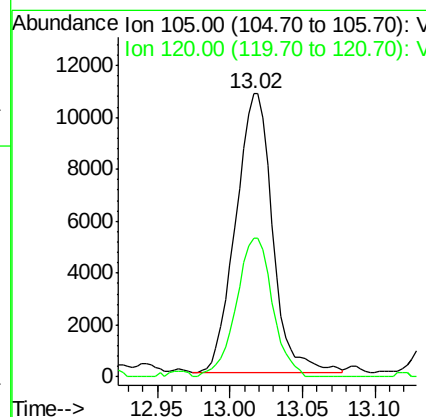
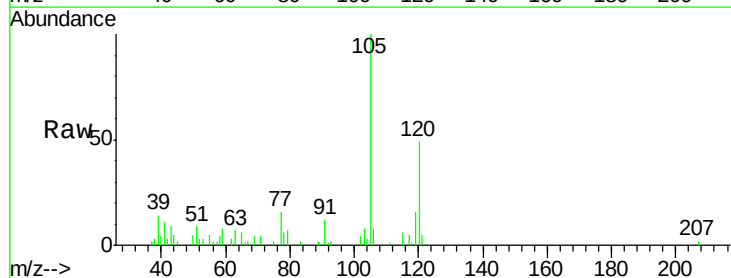
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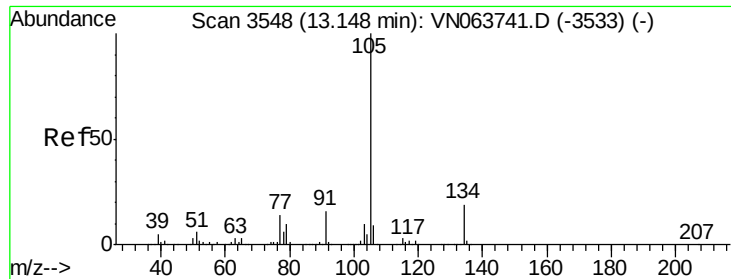
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.442 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Tgt Ion:105 Resp: 18934
 Ion Ratio Lower Upper
 105 100
 120 49.1 20.9 62.7





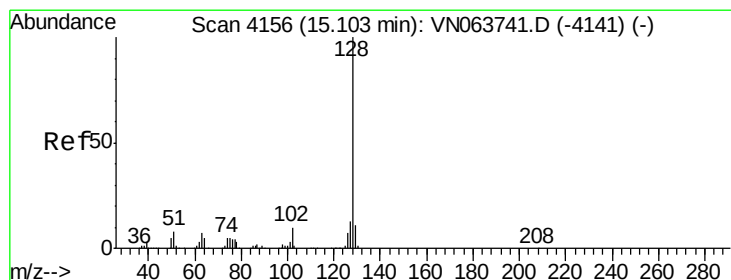
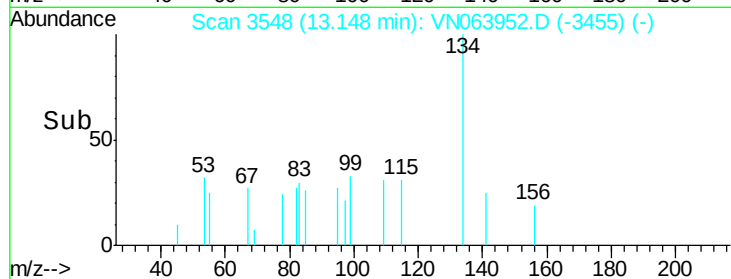
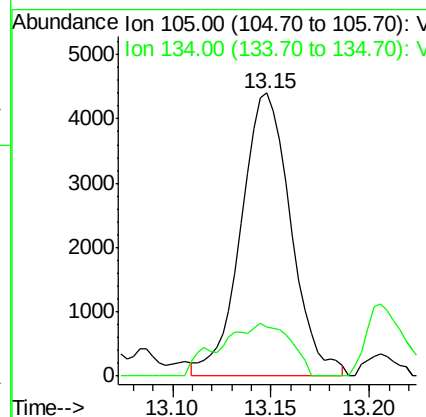
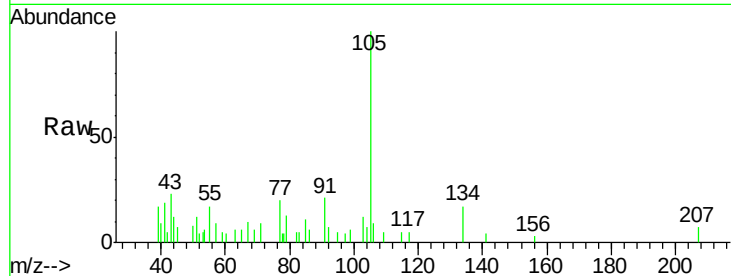
#85
 sec-Butylbenzene
 Concen: 0.547 ug/l m
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Instrument :
 MSVOA_N
 ClientSampled :
 MW-12

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.5	28.5#

Manual Integrations
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#95
 Naphthalene
 Concen: 3.142 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN063952.D
 Acq: 7 Oct 2020 18:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	6.1	8.7	13.1#

