

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062074.D
 Acq On : 24 Jun 2020 19:49
 Operator : JC/MD
 Sample : L3063-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:32 PM

Quant Time: Jun 25 05:19:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	232121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198321	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	150641	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
35) Dibromofluoromethane	7.55	113	127672	45.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.28%	
50) Toluene-d8	10.06	98	568525	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.37	95	211383	55.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.76	43	221200	215.786	ug/l #	58
17) Carbon Disulfide	4.01	76	43410	5.731	ug/l	96
25) 2-Butanone	6.78	43	43938	27.596	ug/l #	82
31) Cyclohexane	7.60	56	198744	44.161	ug/l #	72
39) Methylcyclohexane	9.05	83	374744	78.044	ug/l	98
40) Benzene	8.00	78	6688	0.501	ug/l	97
52) Toluene	10.13	92	17791	2.183	ug/l	96
59) 2-Hexanone	10.72	43	25051m	10.038	ug/l	
67) Ethyl Benzene	11.48	91	1756254	110.834	ug/l	100
68) m/p-Xylenes	11.60	106	1507317	245.937	ug/l	99
69) o-Xylene	11.92	106	56925	9.844	ug/l	99
73) Isopropylbenzene	12.22	105	1701573	110.840	ug/l	100
78) n-propylbenzene	12.57	91	1937615	110.342	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1842089	148.020	ug/l	99
83) tert-Butylbenzene	12.97	119	6079m	0.571	ug/l	
84) 1,2,4-Trimethylbenzene	13.01	105	4515254	363.278	ug/l	91
85) sec-Butylbenzene	13.15	105	518791	36.864	ug/l #	56
86) p-Isopropyltoluene	13.26	119	129067	10.468	ug/l	99
89) n-Butylbenzene	13.59	91	830777	81.046	ug/l #	74
95) Naphthalene	15.10	128	268308	30.111	ug/l	100

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

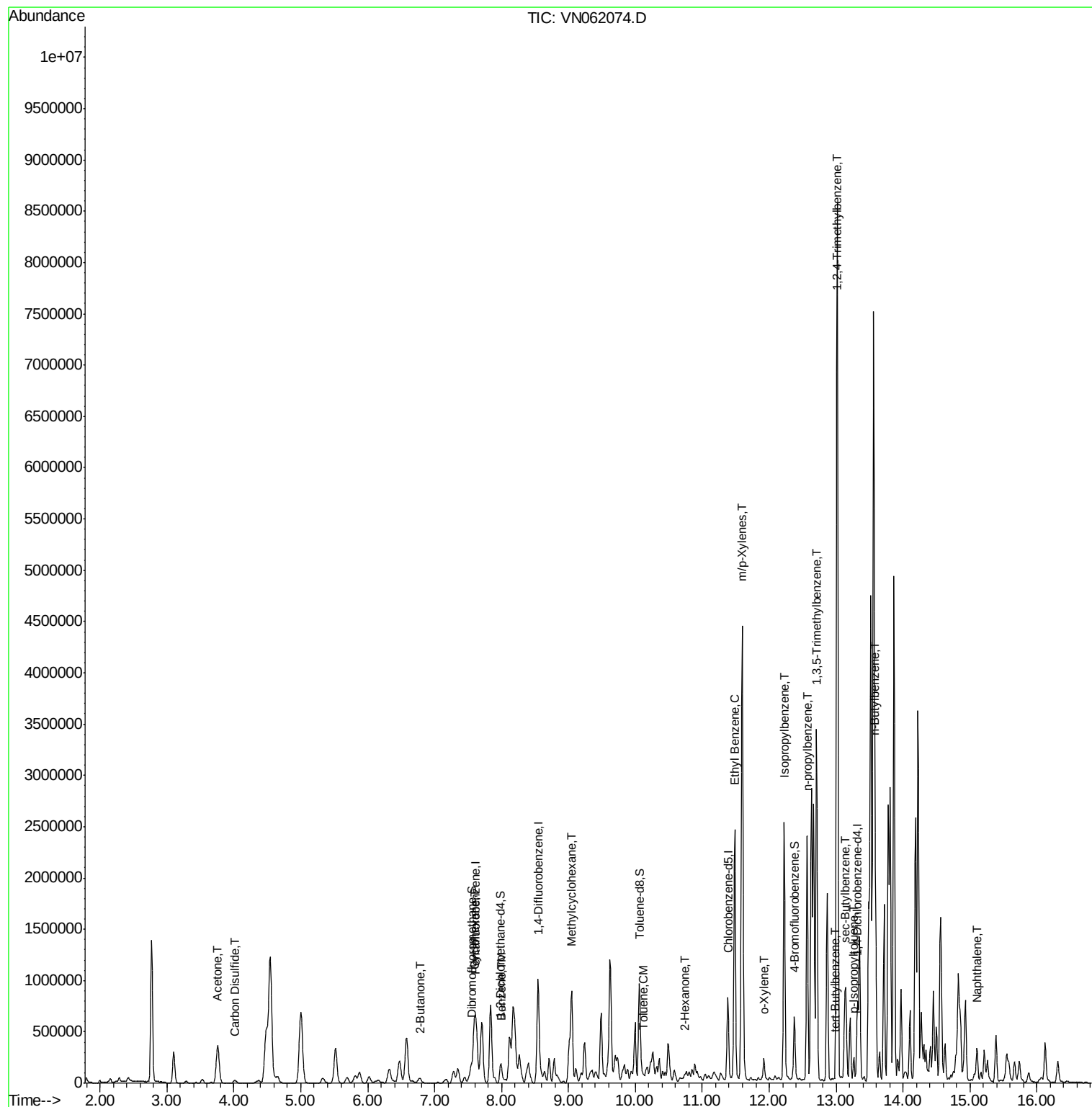
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062420\
Data File : VN062074.D
Acq On : 24 Jun 2020 19:49
Operator : JC/MD
Sample : L3063-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

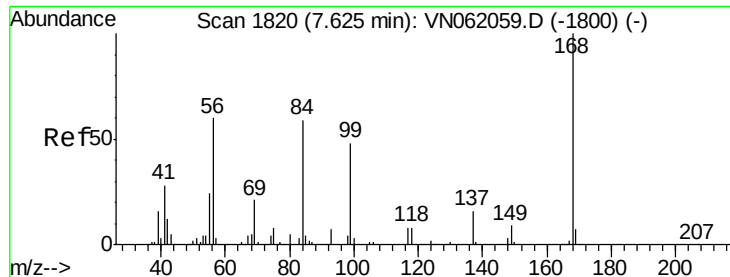
Instrument :
MSVOA_N
ClientSampleId :
TW-1

Manual Integrations
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Quant Time: Jun 25 05:19:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion:168 Resp: 232121

Ion Ratio Lower Upper

168 100

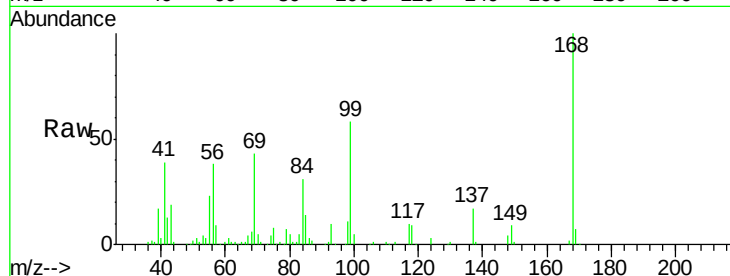
99 58.4 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

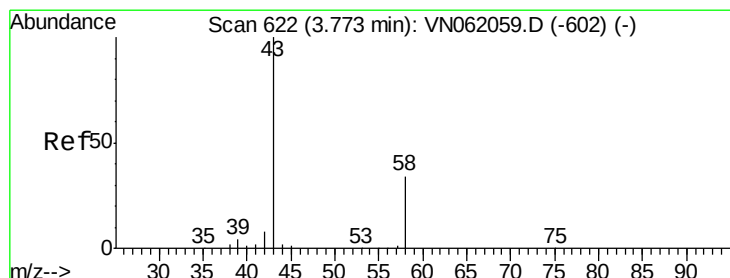
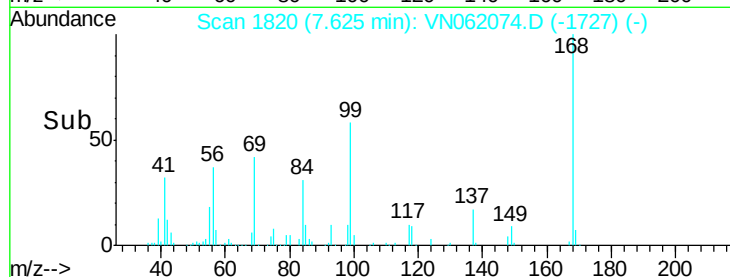
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 215.786 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN062074.D

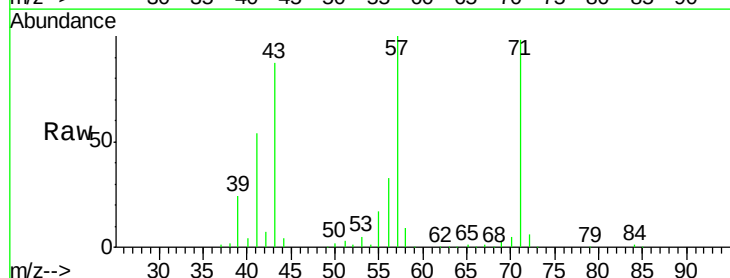
Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 221200

Ion Ratio Lower Upper

43 100

58 10.5 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.76

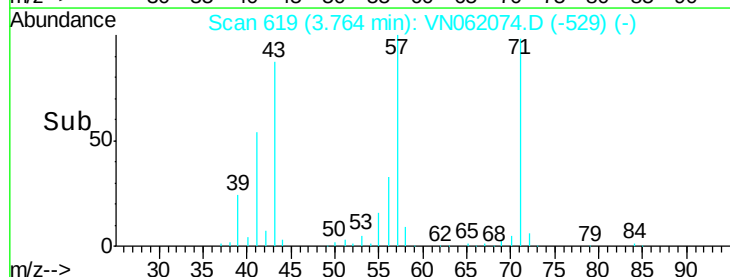
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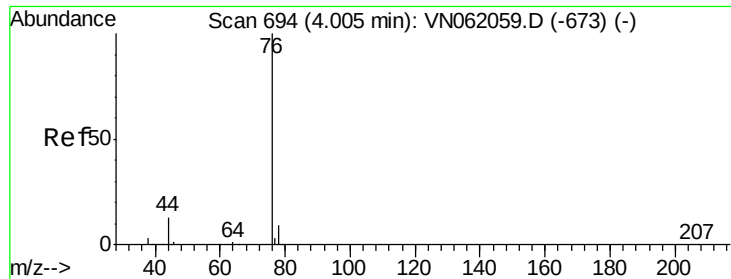
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





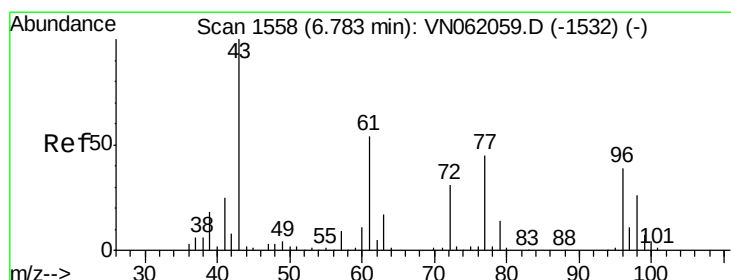
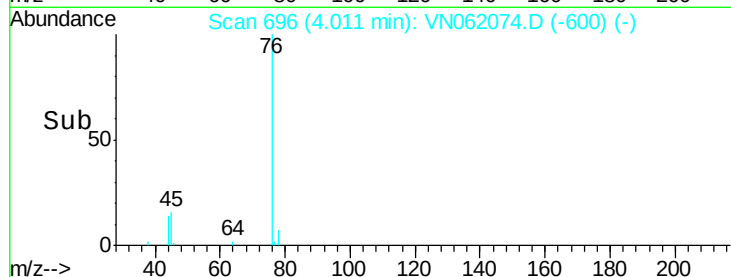
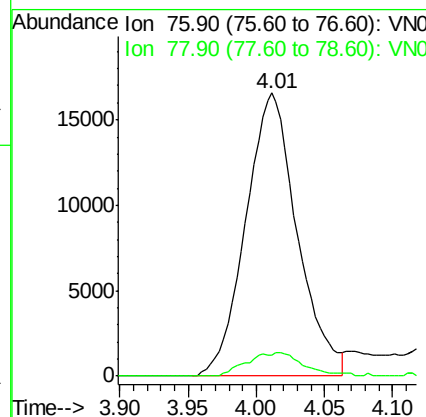
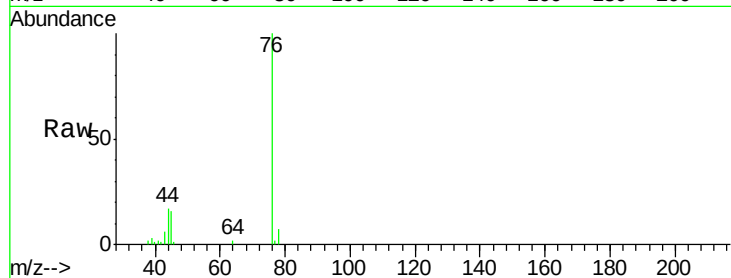
#17
Carbon Disulfide
Concen: 5.731 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.2	10.8

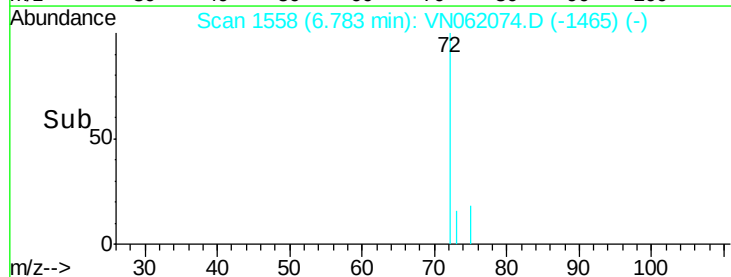
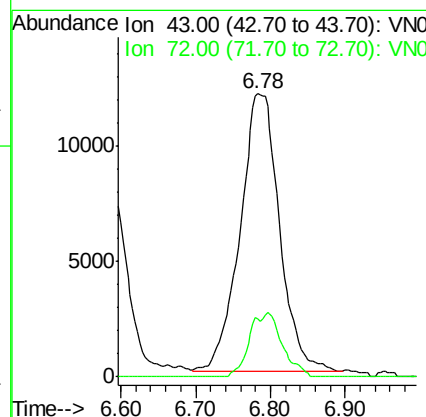
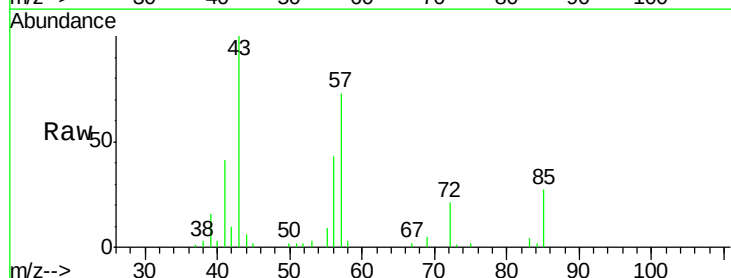
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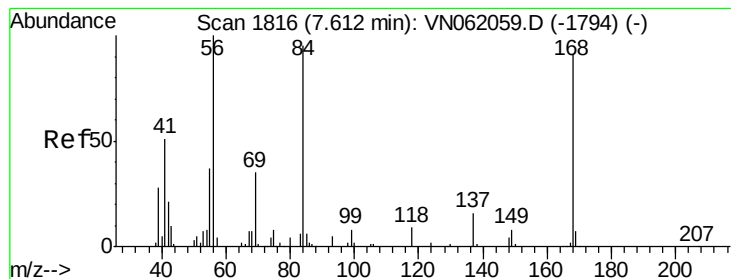
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#25
2-Butanone
Concen: 27.596 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	24.8	37.2#





#31

Cyclohexane

Concen: 44.161 ug/l

RT: 7.60 min Scan# 1813

Delta R.T. -0.01 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

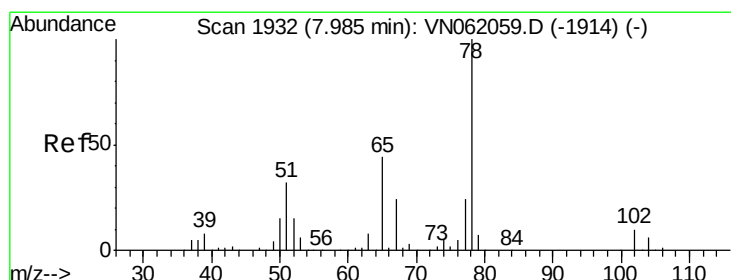
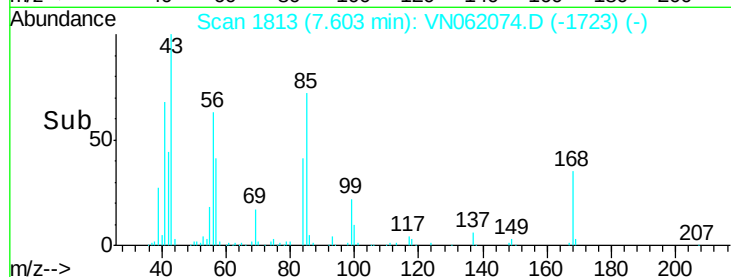
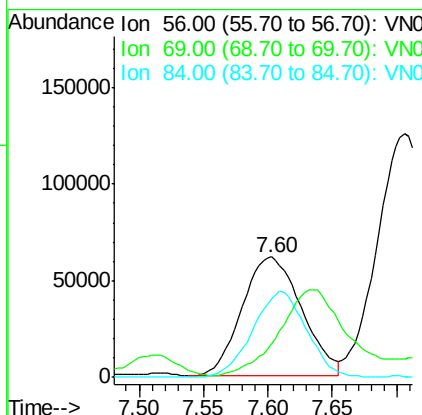
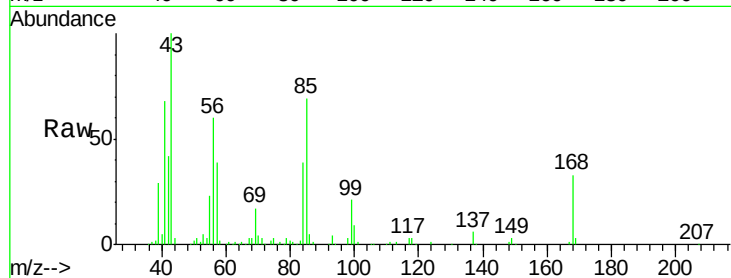
ClientSampled :

TW-1

Tot Ion:	56	Resp:	198744
Ion Ratio	Lower	Upper	
56	100		
69	21.7	28.0	42.0#
84	66.0	76.1	114.1#

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#33

1,2-Dichloroethane-d4

Concen: 46.245 ug/l

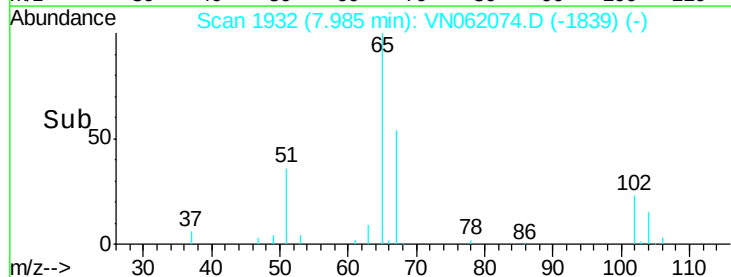
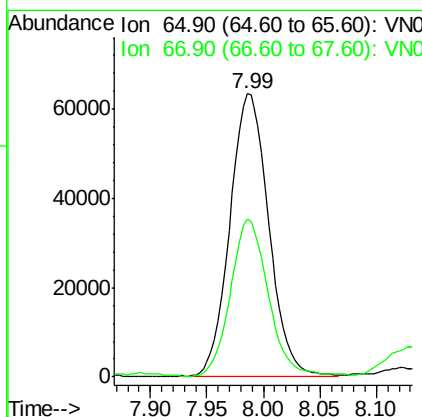
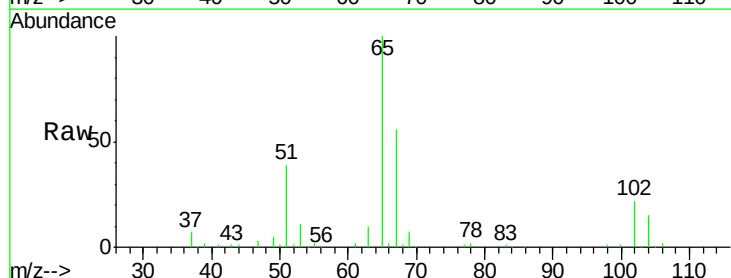
RT: 7.99 min Scan# 1932

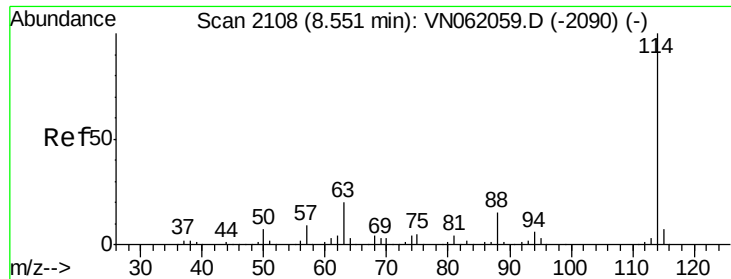
Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Tgt Ion:	65	Resp:	150641
Ion Ratio	Lower	Upper	
65	100		
67	55.3	0.0	106.2





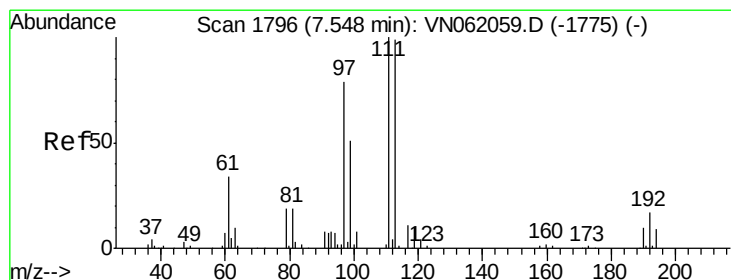
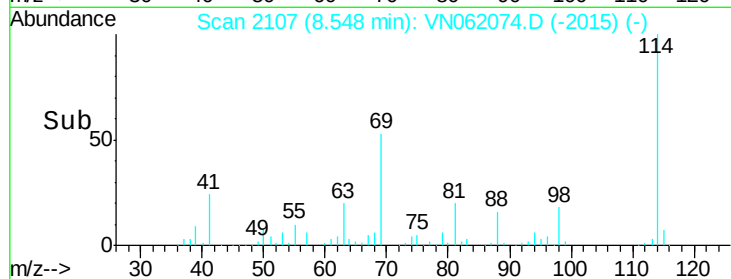
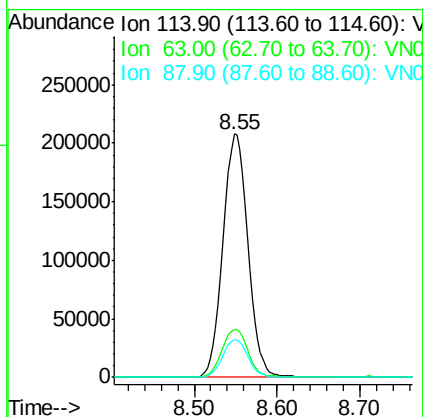
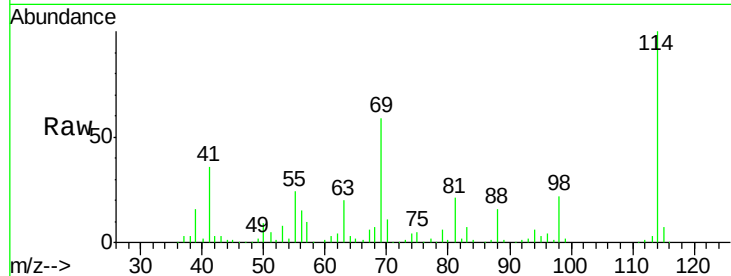
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	435992		
63	19.9	0.0	39.2	
88	15.5	0.0	30.8	

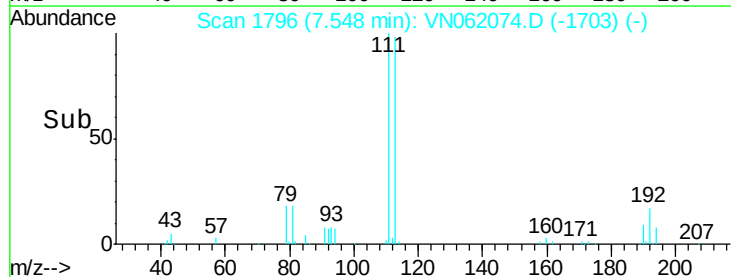
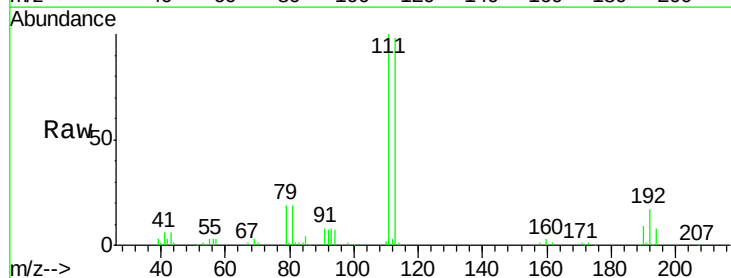
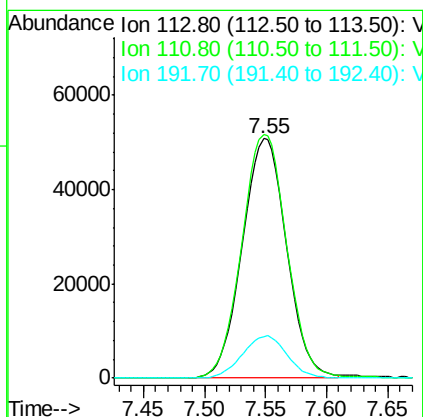
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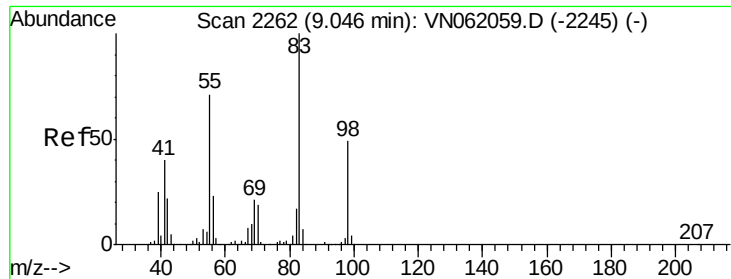
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6/25/2020 6:10:32 PM



#35
Dibromofluoromethane
Concen: 45.644 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	127672		
111	103.2	82.2	123.4	
192	17.6	14.0	21.0	





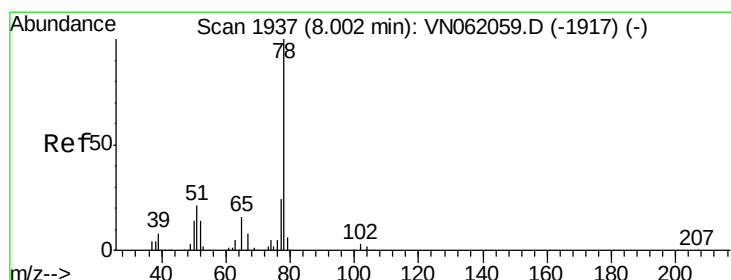
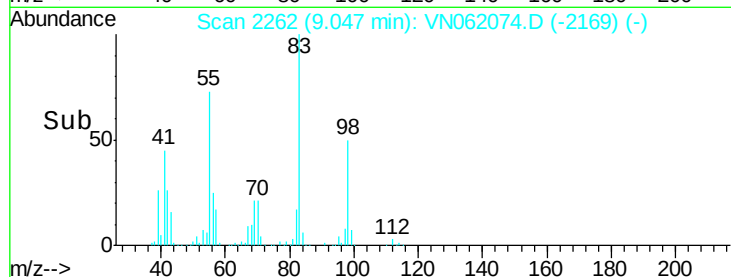
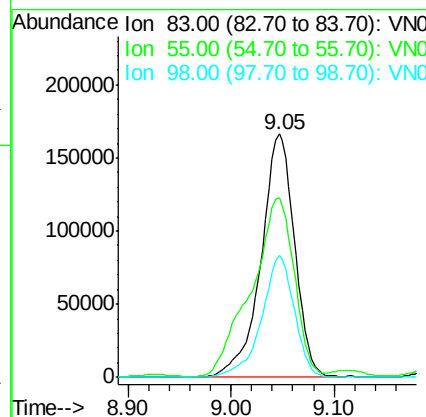
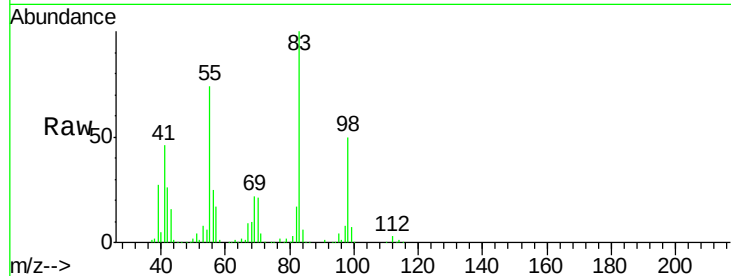
#39
Methvlcvclohexane
Concen: 78.044 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.0	85.6
98	50.0	39.0	58.6

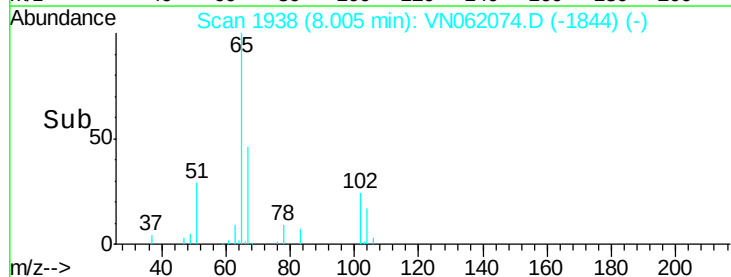
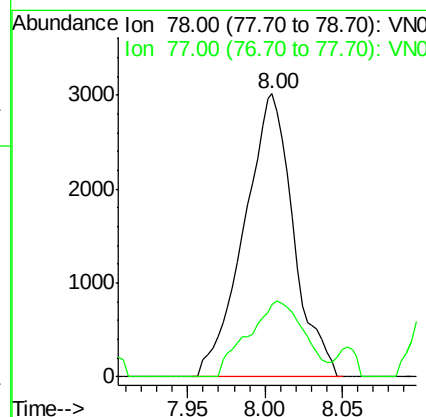
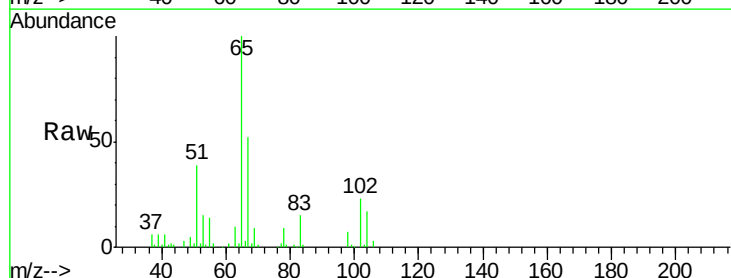
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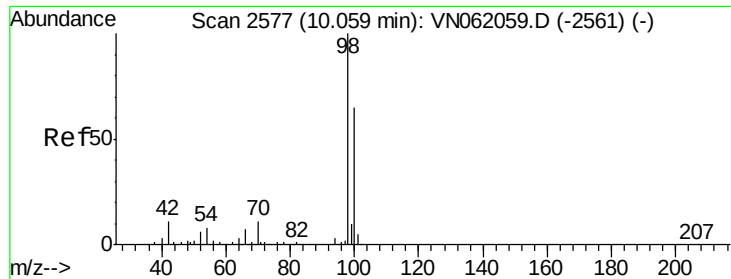
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#40
Benzene
Concen: 0.501 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.5	29.3





#50

Toluene-d8

Concen: 50.848 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion: 98 Resp: 568525

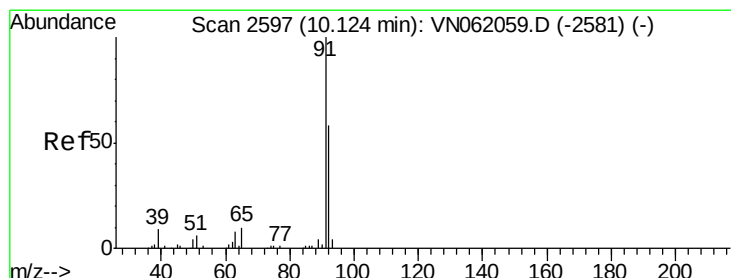
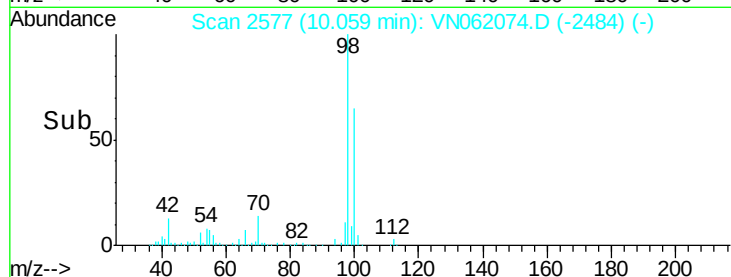
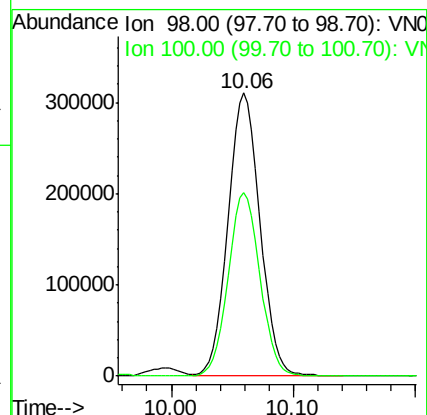
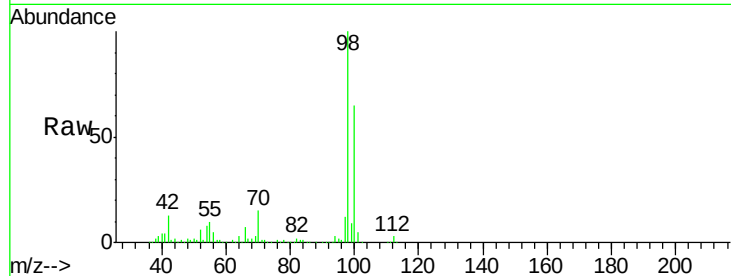
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8

Manual Integrations
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#52

Toluene

Concen: 2.183 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062074.D

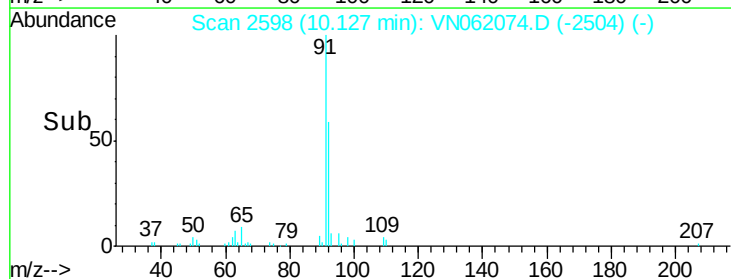
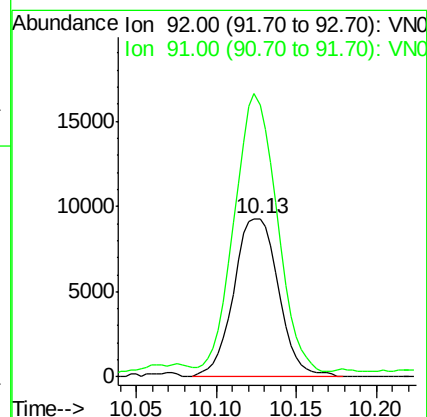
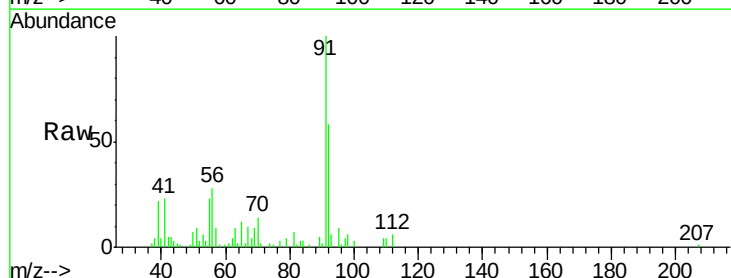
Acq: 24 Jun 2020 19:49

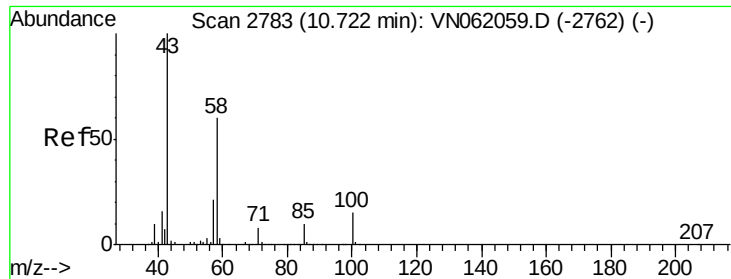
Tgt Ion: 92 Resp: 17791

Ion Ratio Lower Upper

92 100

91 166.7 137.4 206.0





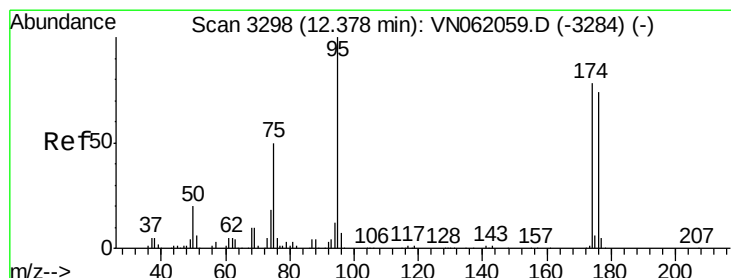
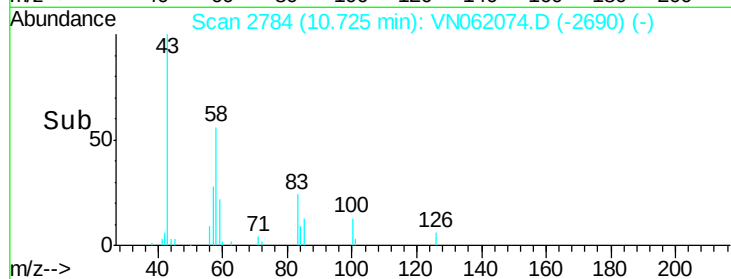
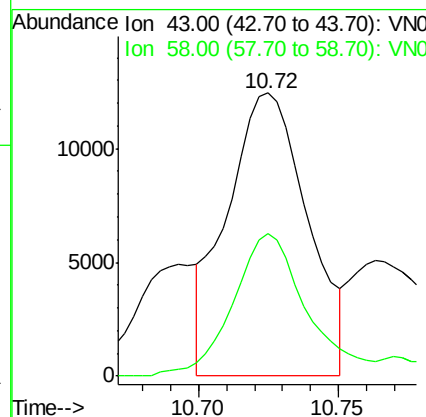
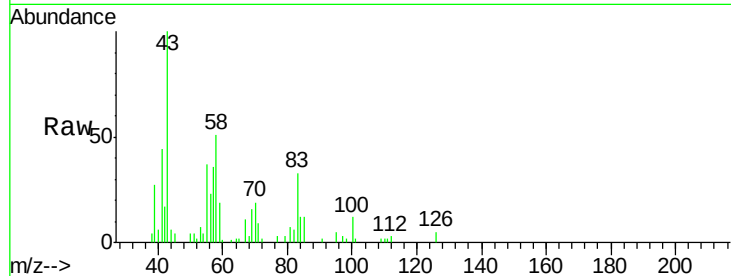
#59
2-Hexanone
Concen: 10.038 ug/l m
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion: 43 Resp: 25051
Ion Ratio Lower Upper
43 100
58 45.9 29.5 88.5

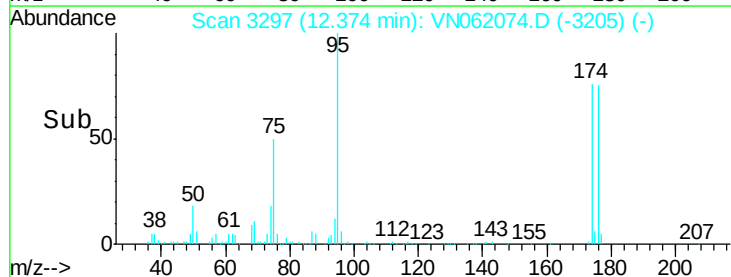
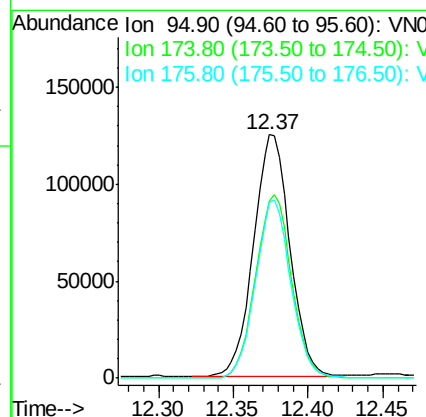
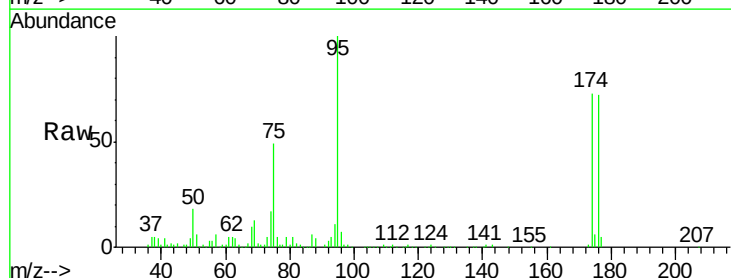
Manual Integrations
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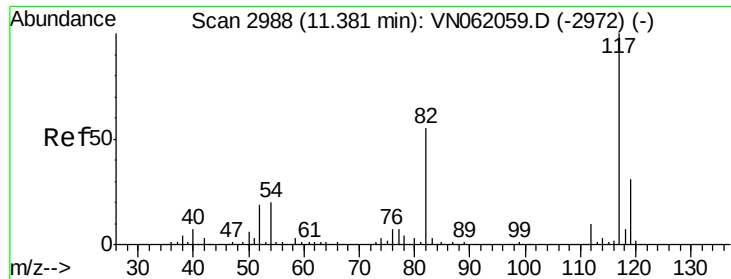
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#62
4-Bromofluorobenzene
Concen: 55.957 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 95 Resp: 211383
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.8
176 71.7 0.0 147.4





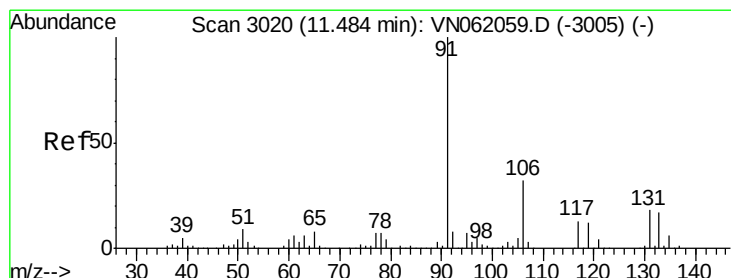
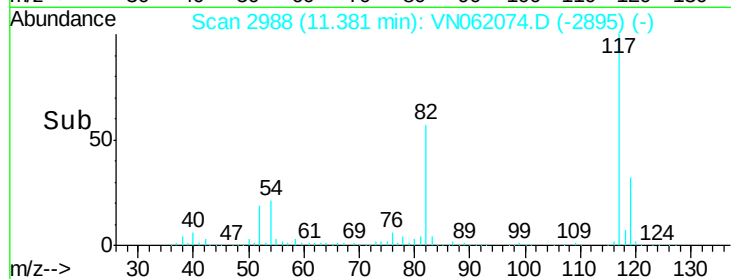
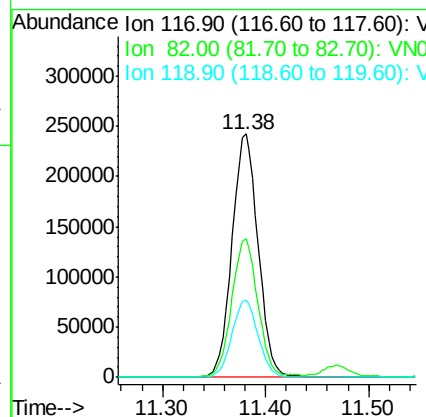
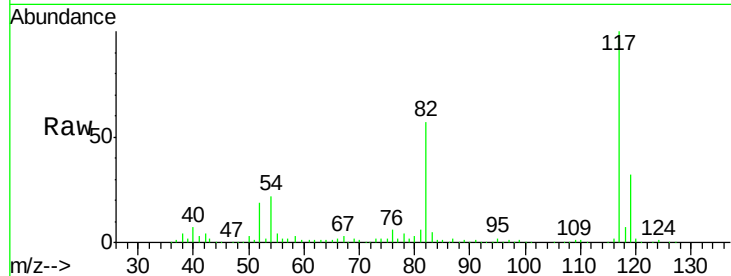
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.8	65.8
119	31.9	25.2	37.8

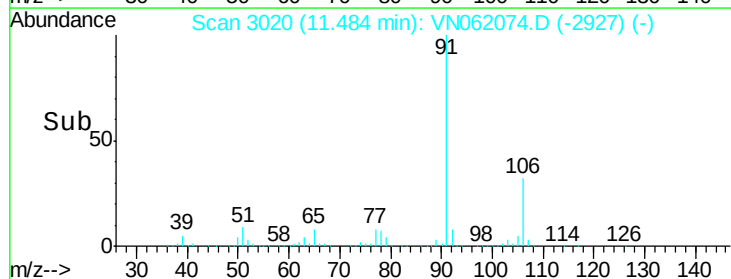
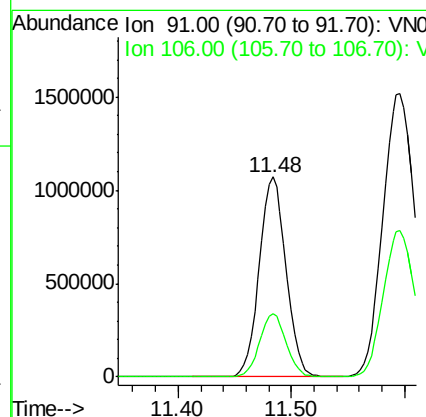
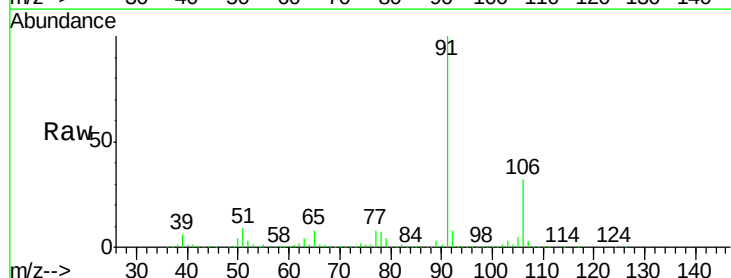
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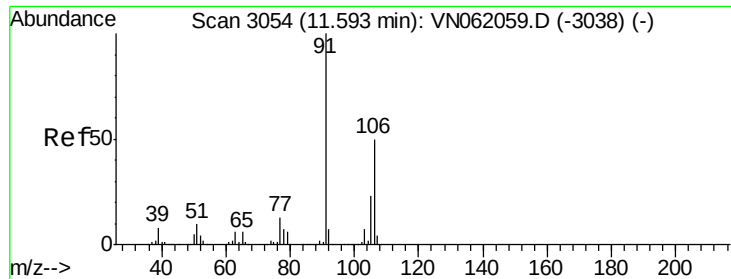
MMDadoda
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#67
Ethyl Benzene
Concen: 110.834 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9





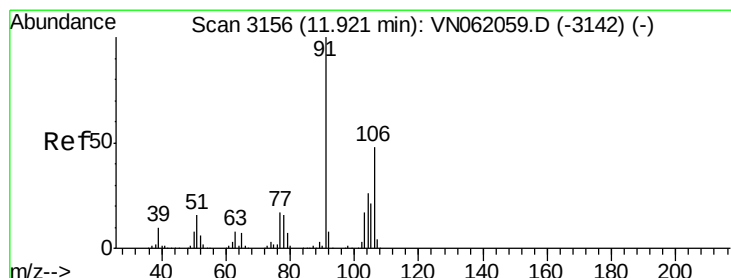
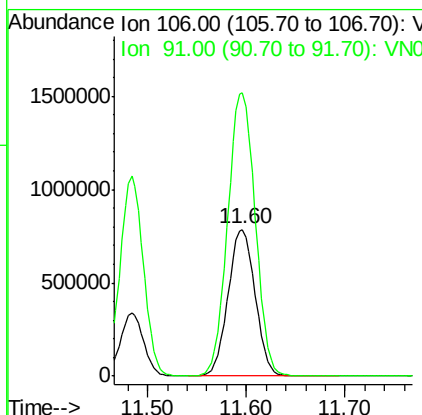
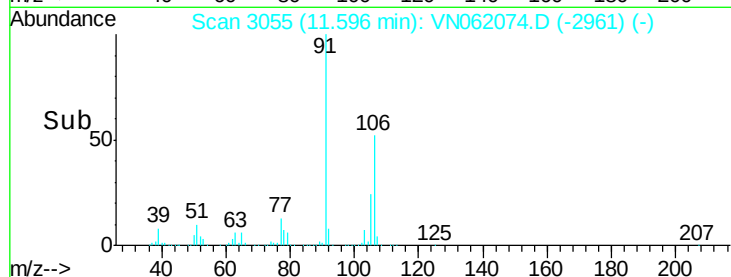
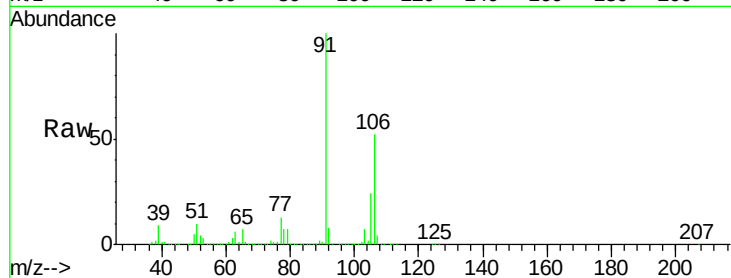
#68
m/p-Xylenes
Concen: 245.937 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion:106 Resp: 1507317
Ion Ratio Lower Upper
106 100
91 196.1 157.8 236.8

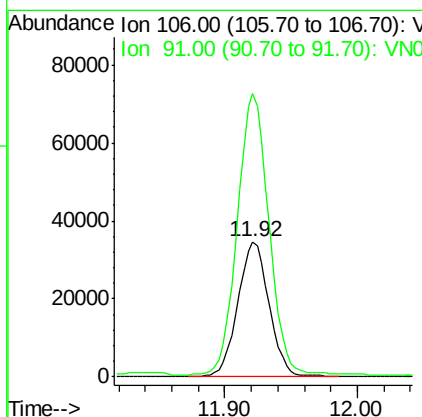
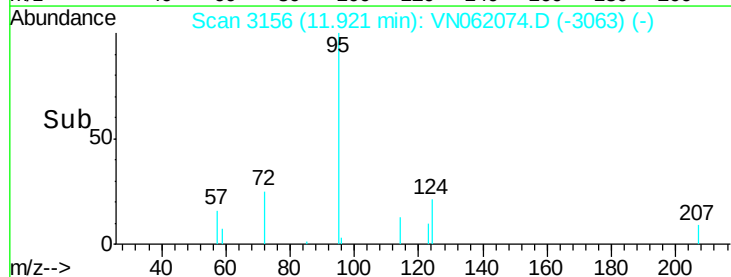
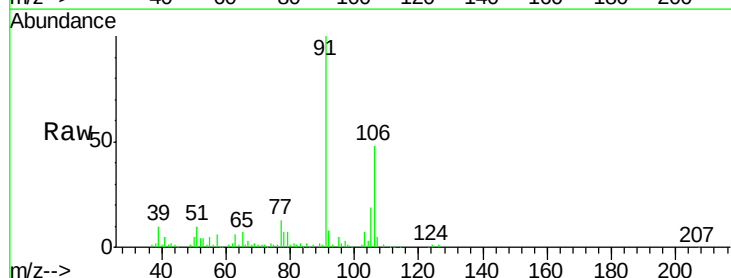
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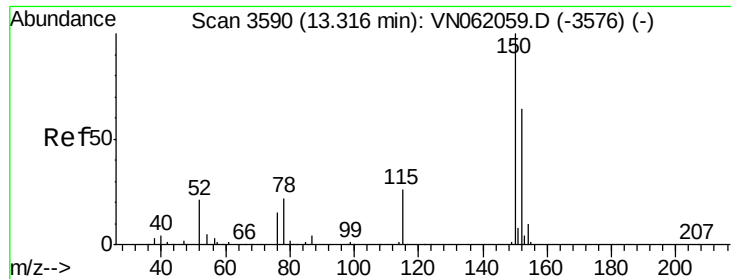
MMDadoda
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#69
o-Xylene
Concen: 9.844 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion:106 Resp: 56925
Ion Ratio Lower Upper
106 100
91 209.8 104.0 311.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

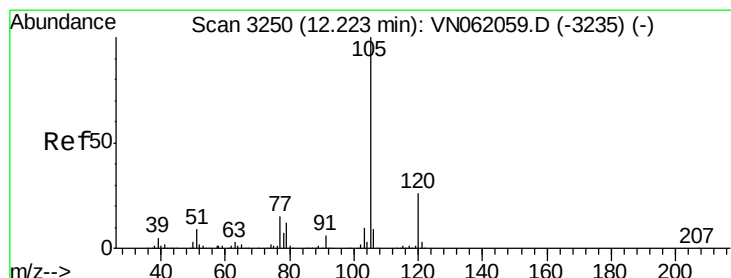
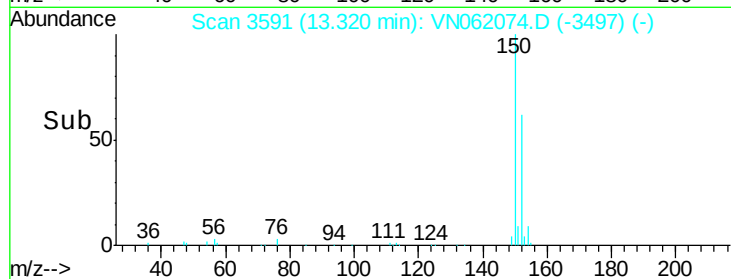
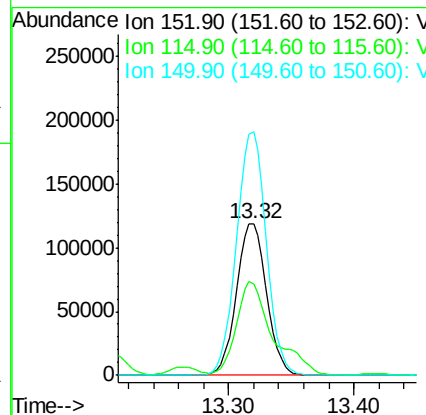
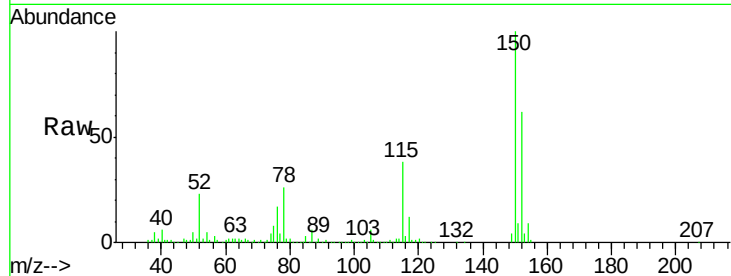
ClientSampled :

TW-1

Tot Ion:	152	Resp:	198321
Ion Ratio	Lower	Upper	
152	100		
115	74.0	29.5	88.5
150	158.9	0.0	351.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 110.840 ug/l

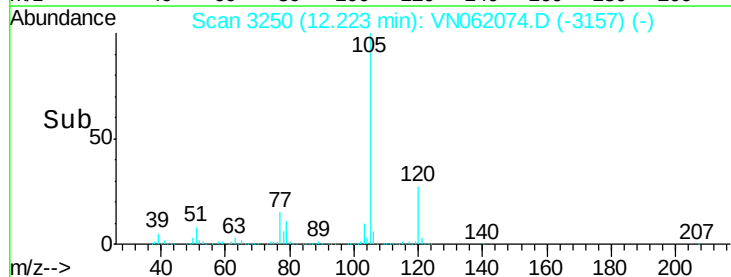
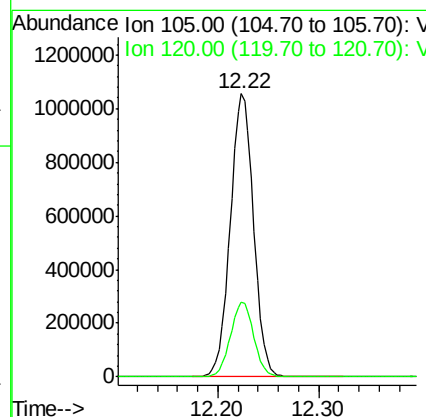
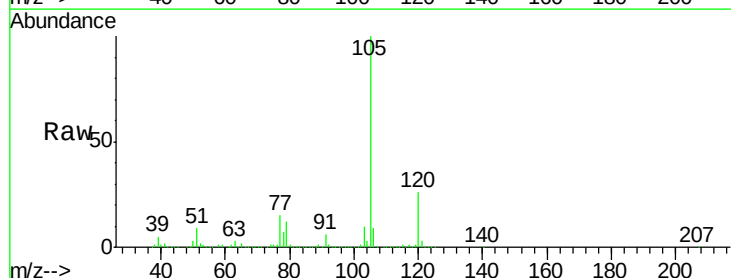
RT: 12.22 min Scan# 3250

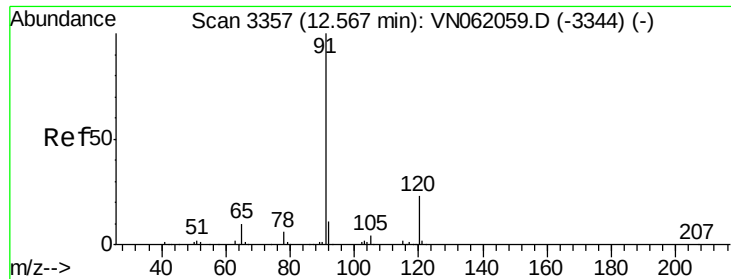
Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Tgt Ion:	105	Resp:	1701573
Ion Ratio	Lower	Upper	
105	100		
120	26.4	13.2	39.6





#78

n-propylbenzene

Concen: 110.342 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion: 91 Resp: 1937615

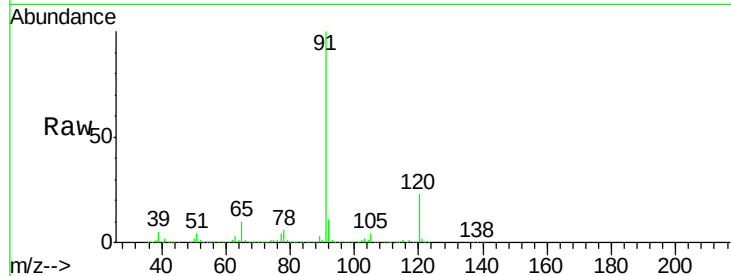
Ion Ratio Lower Upper

91 100

120 22.6 11.4 34.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3344) (-)

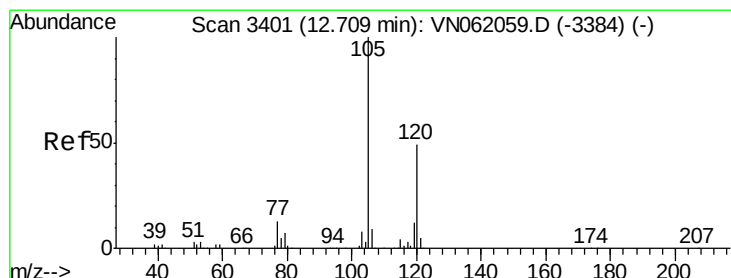
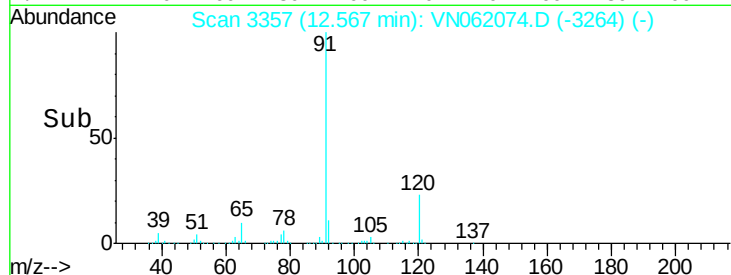
12.57

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 148.020 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062074.D

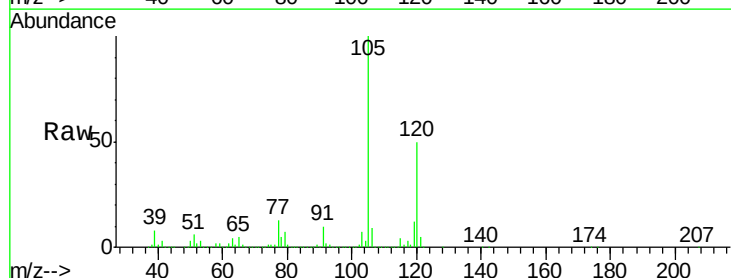
Acq: 24 Jun 2020 19:49

Tgt Ion: 105 Resp: 1842089

Ion Ratio Lower Upper

105 100

120 50.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3384) (-)

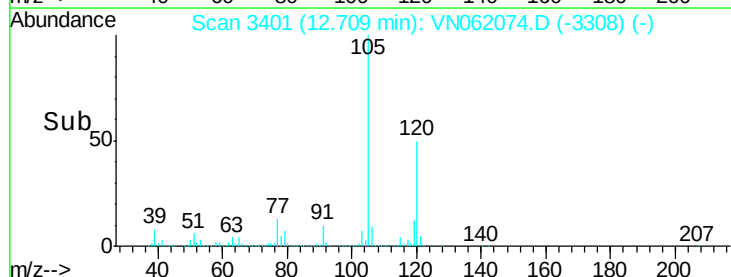
12.71

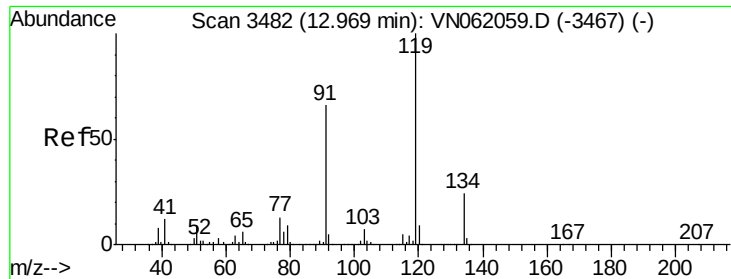
1000000

500000

0

Time-->





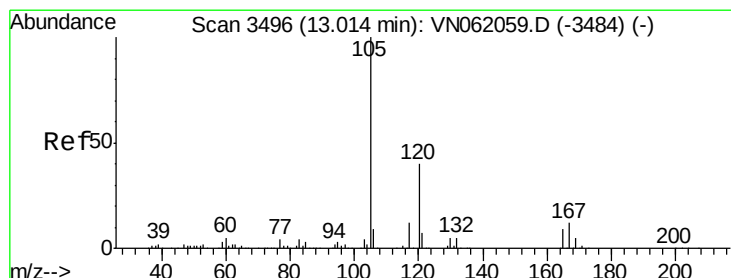
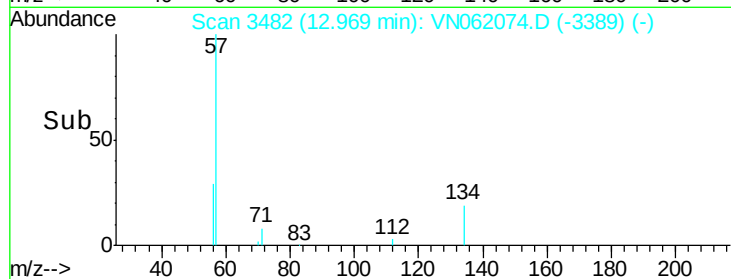
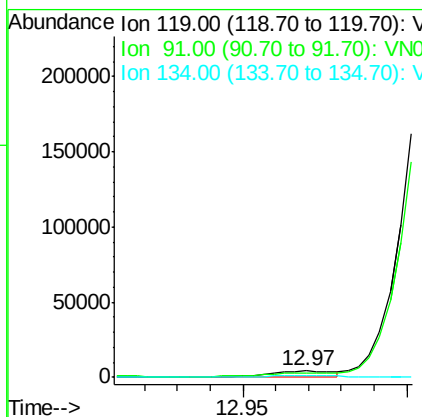
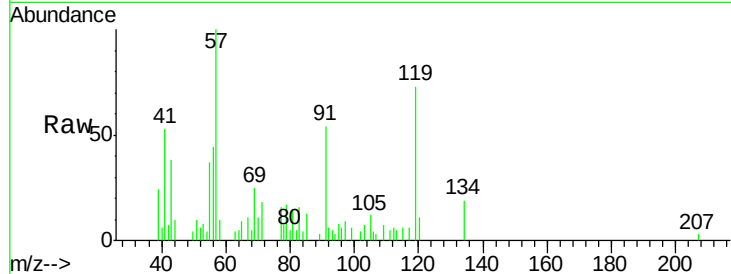
#83
 tert-Butylbenzene
 Concen: 0.571 ug/l m
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

Tot Ion:119 Resp: 6079
 Ion Ratio Lower Upper
 119 100
 91 8936.9 31.7 95.1
 134 0.0 13.1 39.1#

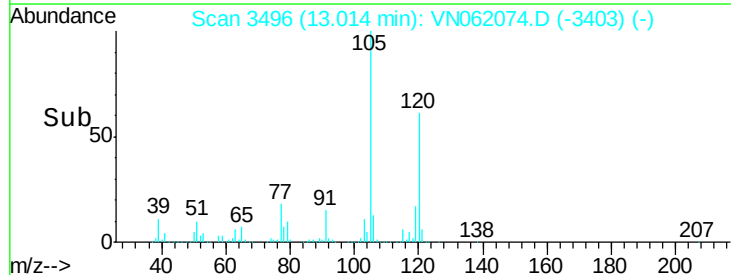
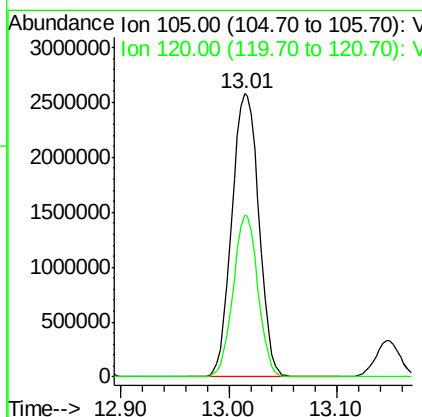
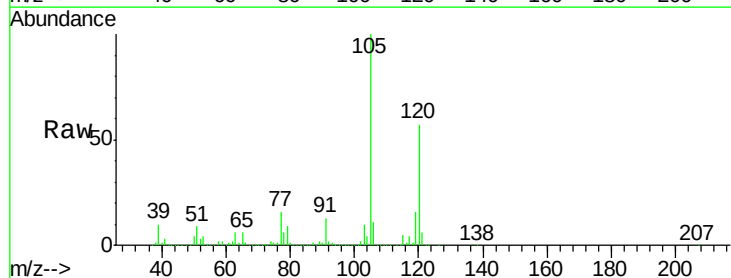
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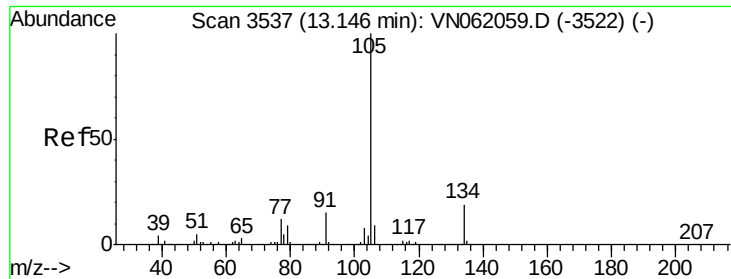
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 363.278 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion:105 Resp: 4515254
 Ion Ratio Lower Upper
 105 100
 120 52.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 36.864 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

TW-1

Tot Ion:105 Resp: 518791

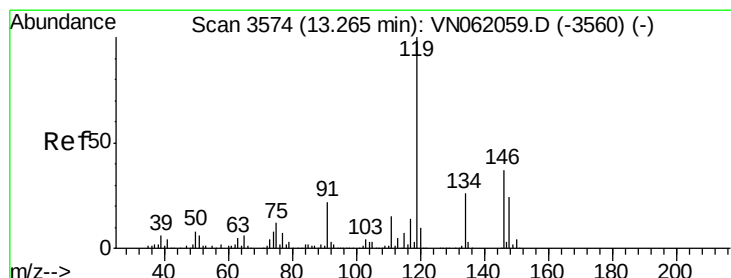
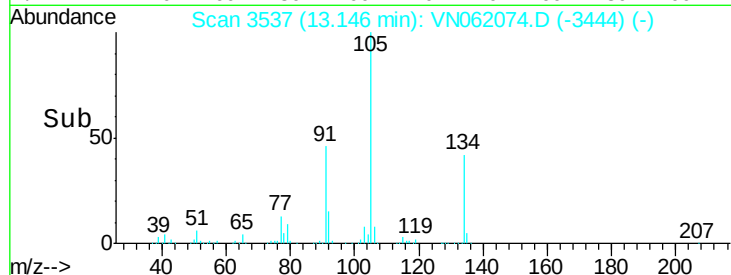
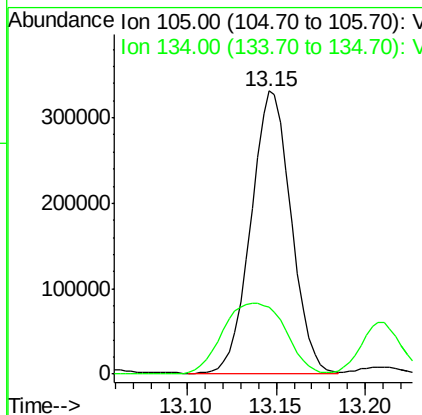
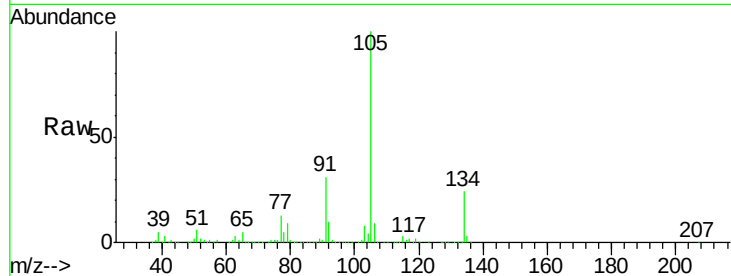
Ion Ratio Lower Upper

105 100

134 39.4 9.7 29.1#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 10.468 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

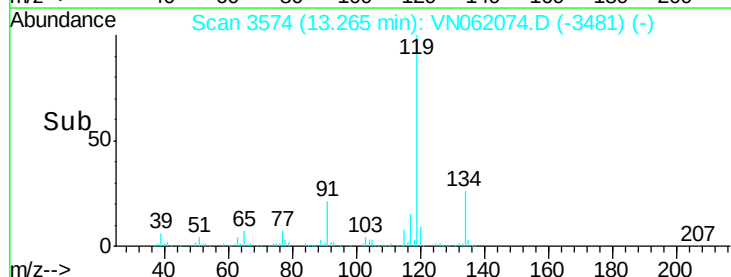
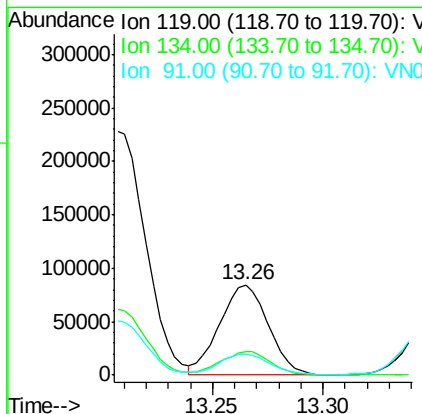
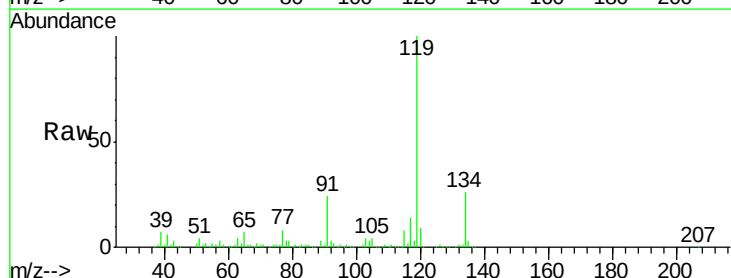
Tgt Ion:119 Resp: 129067

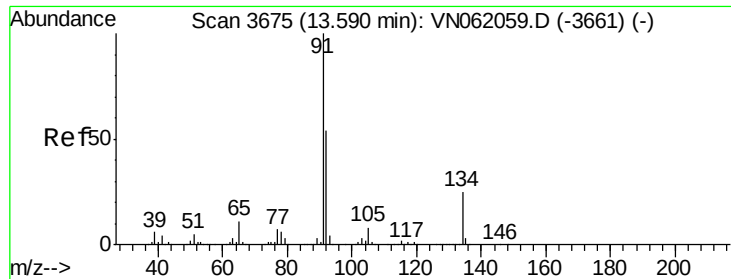
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 23.1 11.3 33.8





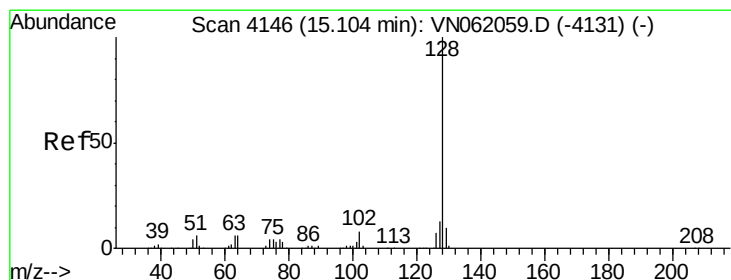
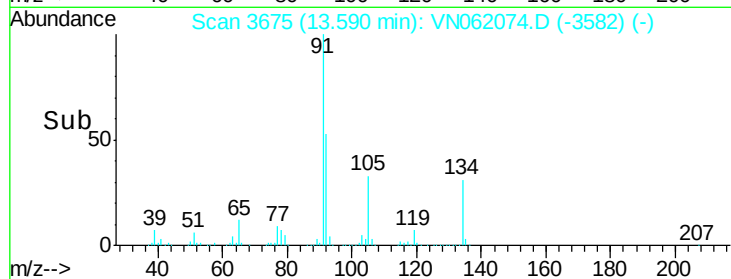
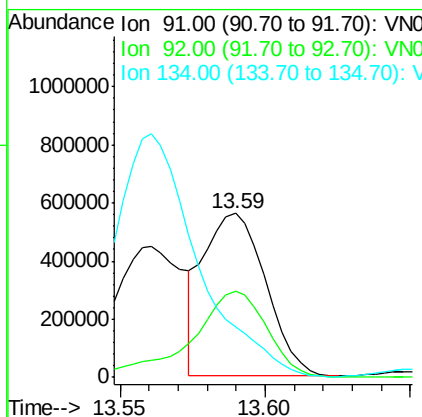
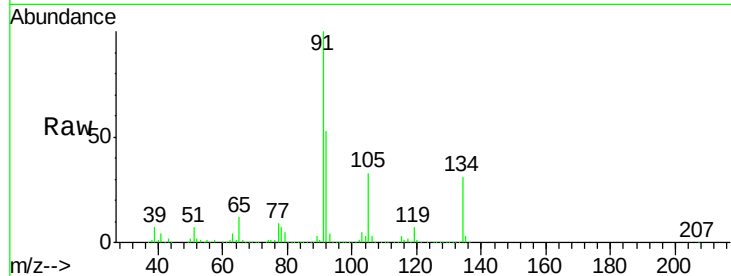
#89
n-Butylbenzene
Concen: 81.046 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.1	26.6	79.7
134	0.0	12.3	36.9#

Manual Integrations
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#95
Naphthalene
Concen: 30.111 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	13.0

