

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064661.D
 Acq On : 16 Nov 2020 15:00
 Operator : JC/MD
 Sample : L4774-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:02:13 PM

Quant Time: Nov 17 04:39:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	226308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	453188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	489310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	217911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	220131	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.55	113	163817	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.06	98	600450	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.38	95	247662	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	

Target Compounds

						Qvalue
16) Acetone	3.80	43	7832m	5.216	ug/l	
39) Methylcyclohexane	9.05	83	6225m	1.450	ug/l	
52) Toluene	10.12	92	35356	4.120	ug/l	97
67) Ethyl Benzene	11.48	91	327414	17.160	ug/l	100
68) m/p-Xylenes	11.60	106	159203	23.008	ug/l	99
69) o-Xylene	11.92	106	35675	5.335	ug/l	92
73) Isopropylbenzene	12.22	105	11937	0.689	ug/l	97
78) n-propylbenzene	12.57	91	9675	0.490	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.71	105	539691	37.770	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	283876	19.763	ug/l	99
85) sec-Butylbenzene	13.15	105	3959m	0.280	ug/l	
86) p-Isopropyltoluene	13.26	119	20387	1.604	ug/l	97
89) n-Butylbenzene	13.56	91	75400	6.898	ug/l #	1

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

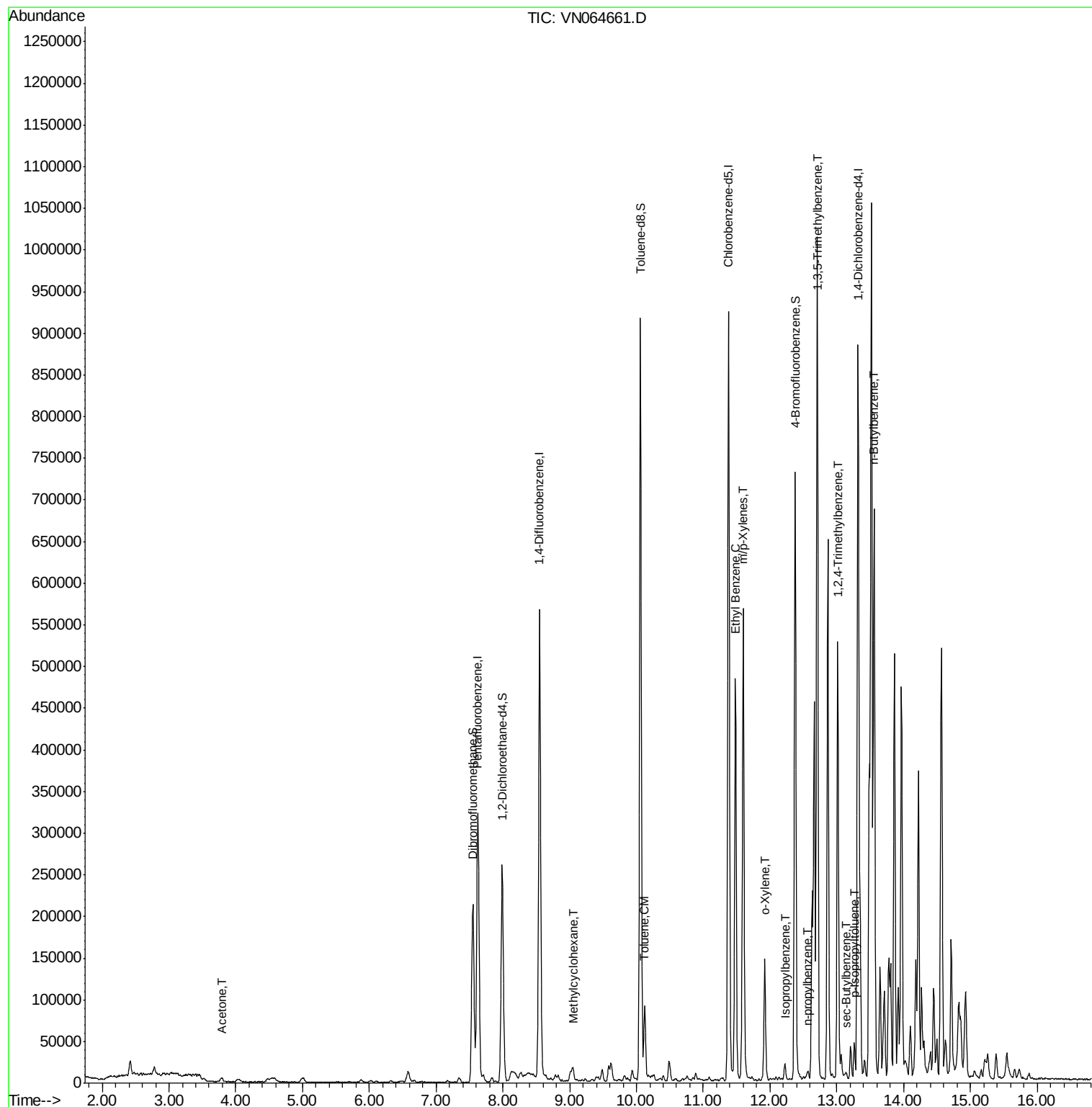
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111620\
Data File : VN064661.D
Acq On : 16 Nov 2020 15:00
Operator : JC/MD
Sample : L4774-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

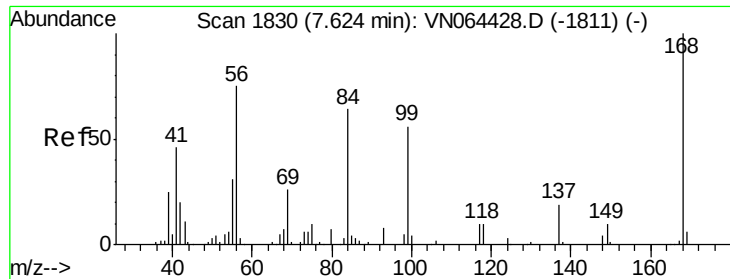
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Manual Integrations
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Quant Time: Nov 17 04:39:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064661.D

Acq: 16 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tot Ion:168 Resp: 226308

Ion Ratio Lower Upper

168 100

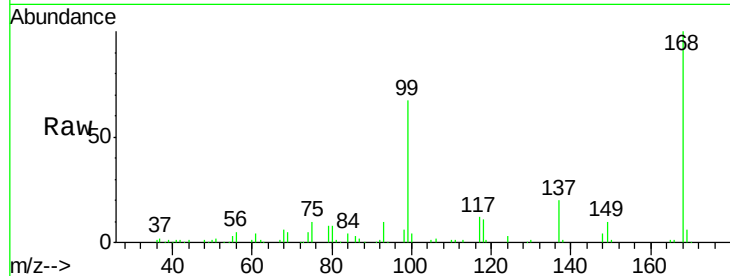
99 66.8 53.4 80.2

Manual Integrations

APPROVED

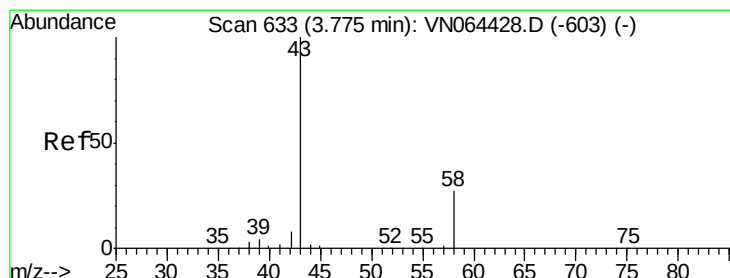
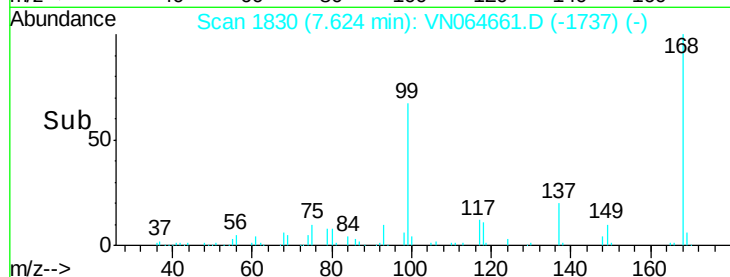
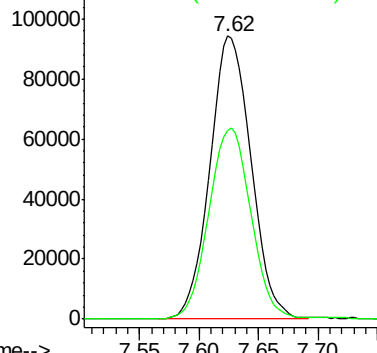
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.216 ug/l m

RT: 3.80 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN064661.D

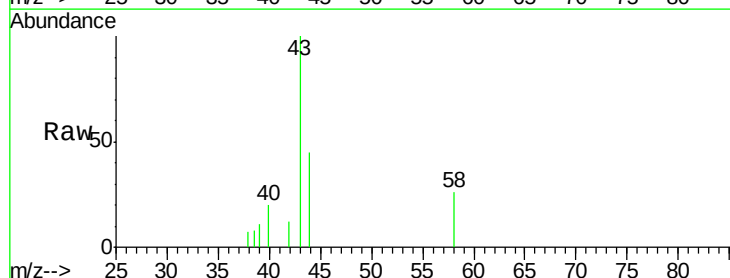
Acq: 16 Nov 2020 15:00

Tgt Ion: 43 Resp: 7832

Ion Ratio Lower Upper

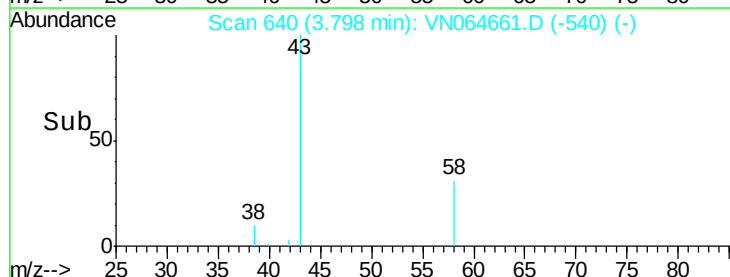
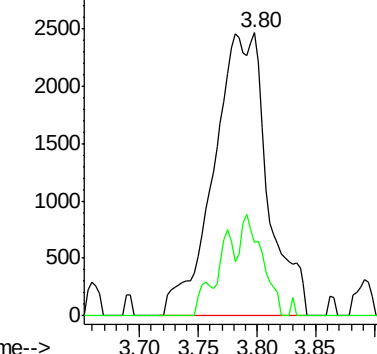
43 100

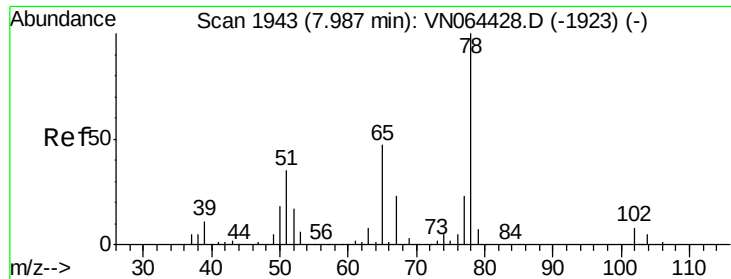
58 26.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





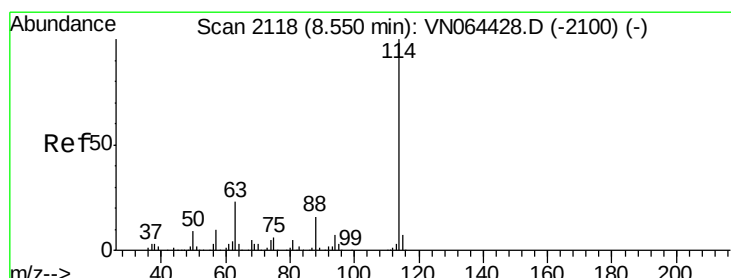
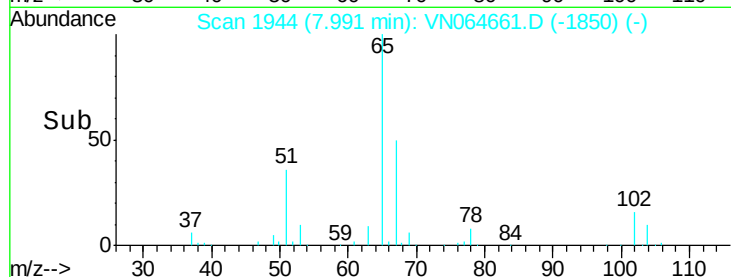
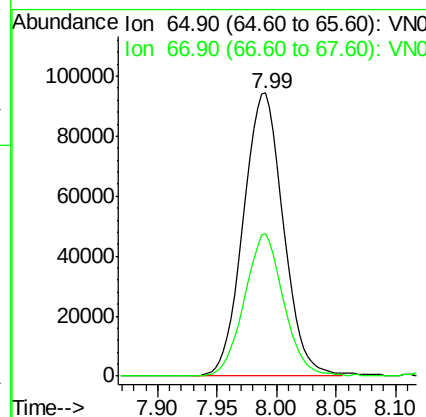
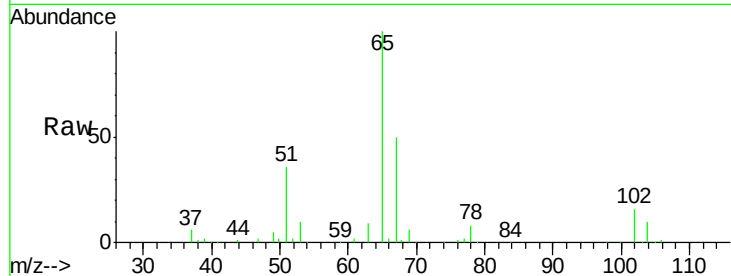
#33
 1,2-Dichloroethane-d4
 Concen: 55.843 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220131		
67	49.3	0.0	101.6	

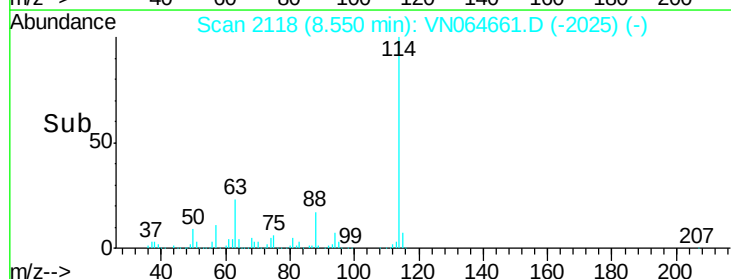
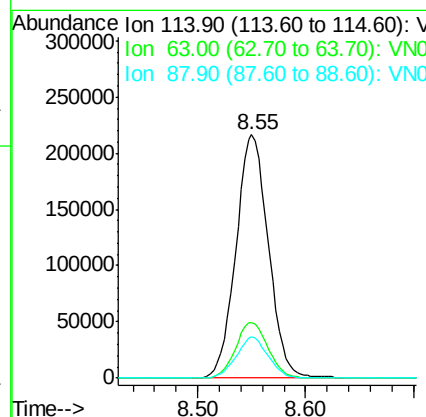
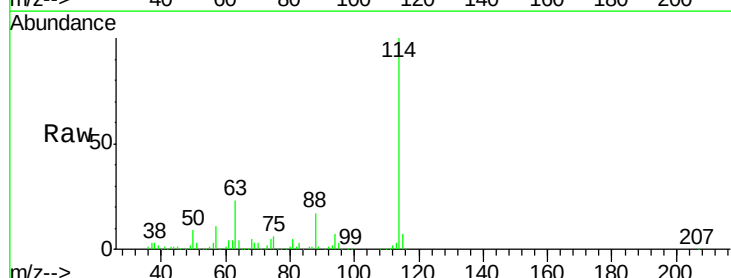
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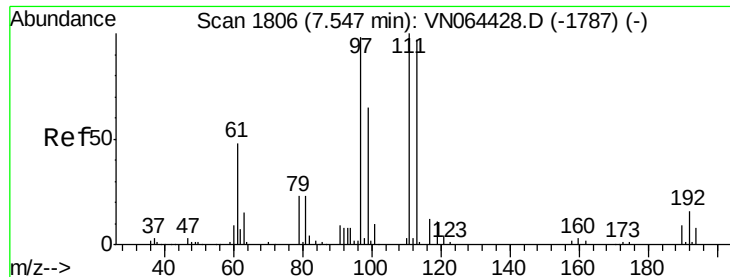
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453188		
63	22.8	0.0	45.6	
88	17.0	0.0	32.8	





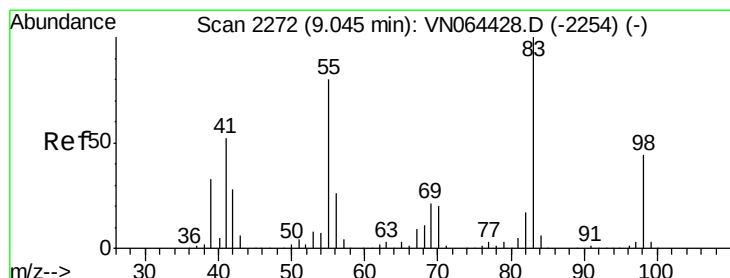
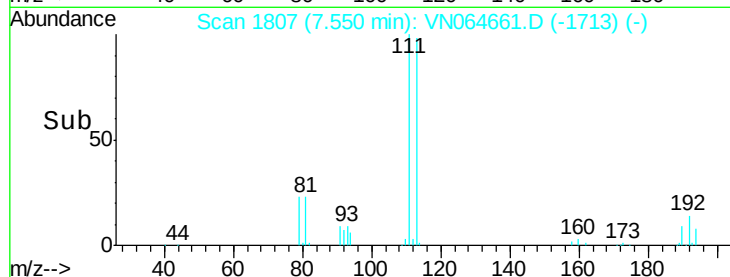
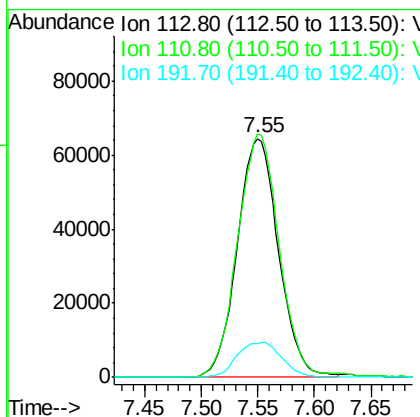
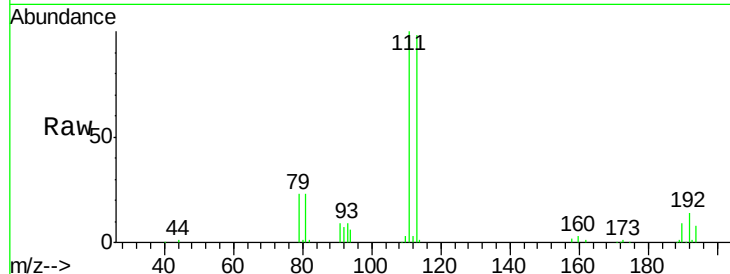
#35
Dibromofluoromethane
Concen: 53.091 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163817		
111	102.5	81.1	121.7	
192	15.9	12.8	19.2	

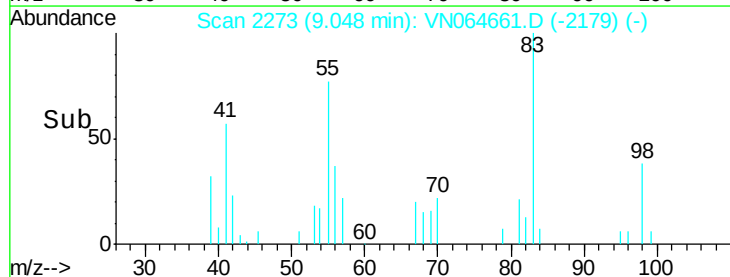
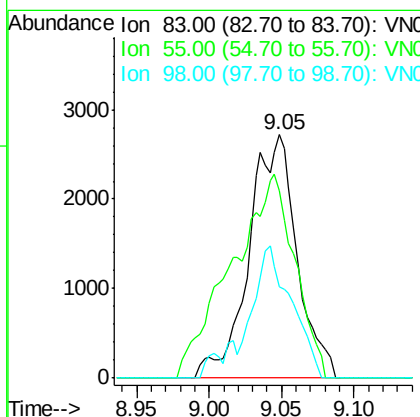
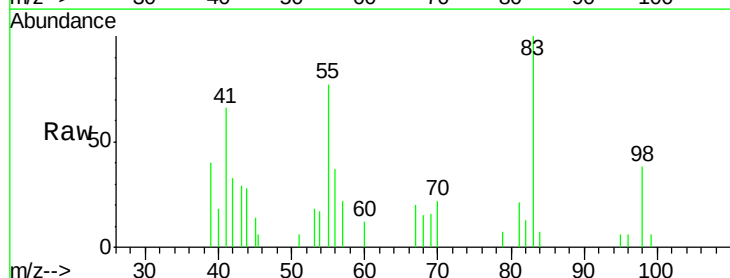
Manual Integrations
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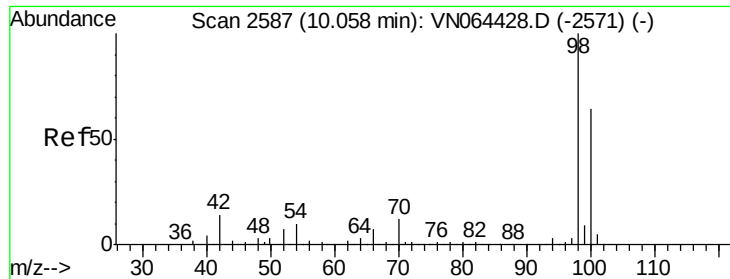
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#39
Methylcyclohexane
Concen: 1.450 ug/l m
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	6225		
55	76.9	63.8	95.6	
98	37.7	35.4	53.2	





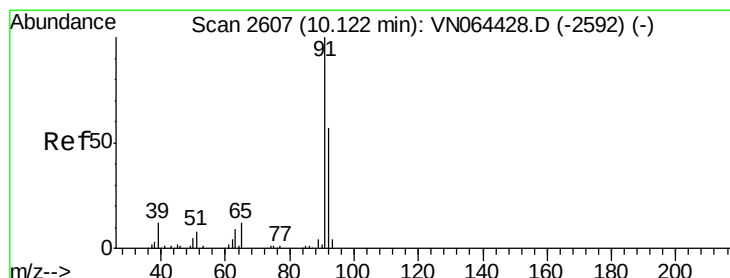
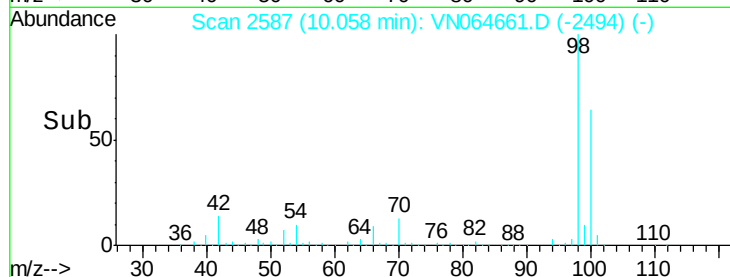
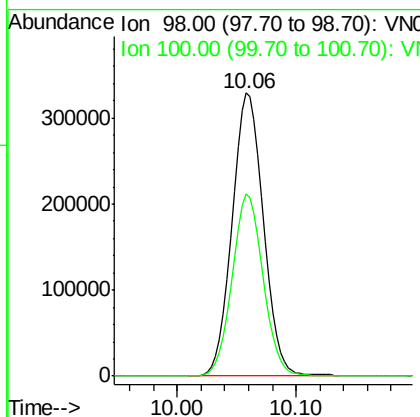
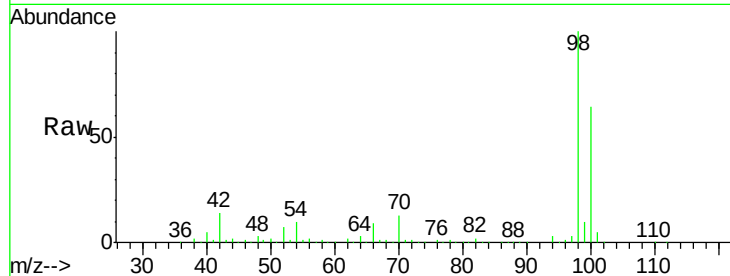
#50
Toluene-d8
Concen: 50.349 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 98 Resp: 600450
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

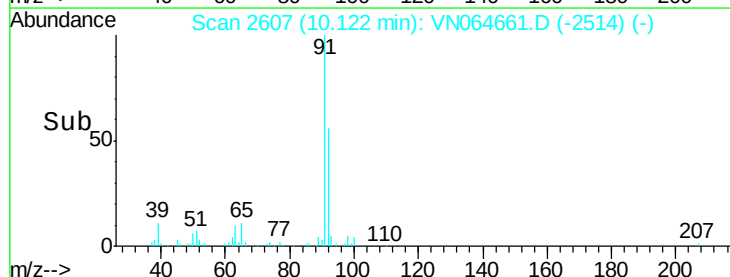
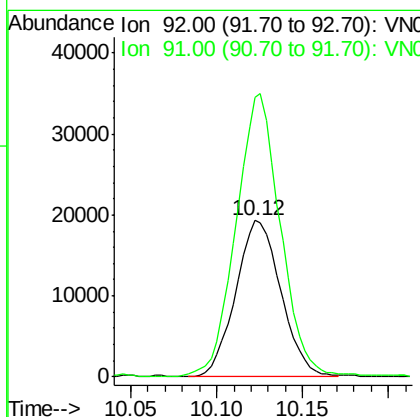
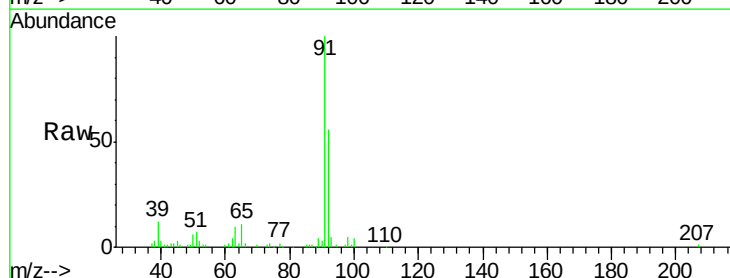
Manual Integrations
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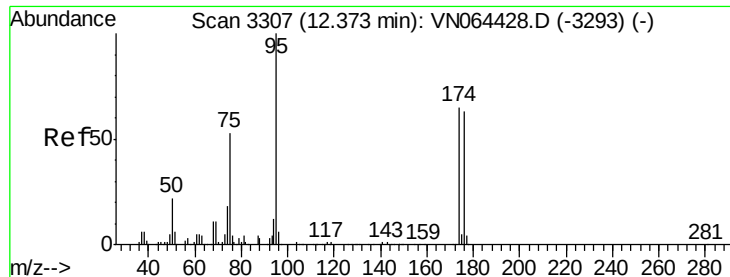
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#52
Toluene
Concen: 4.120 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Tgt Ion: 92 Resp: 35356
Ion Ratio Lower Upper
92 100
91 178.0 139.6 209.4





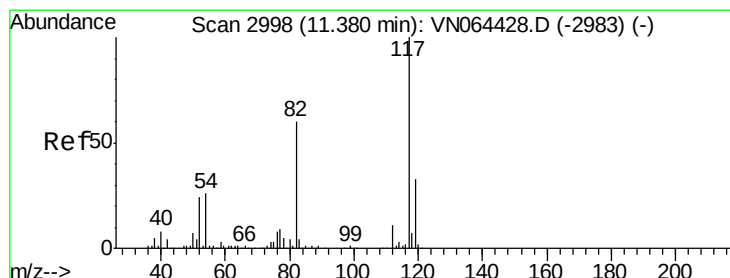
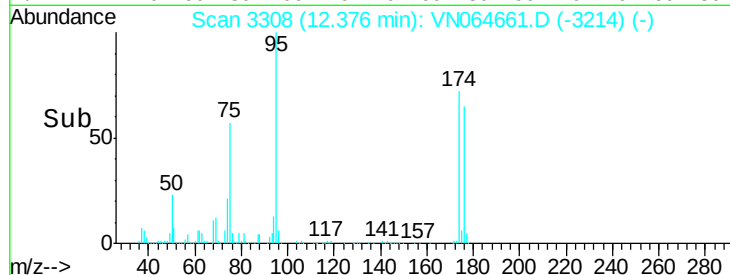
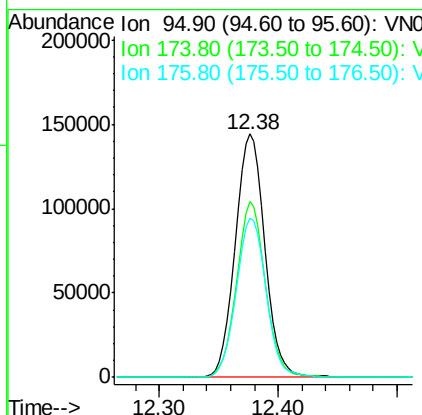
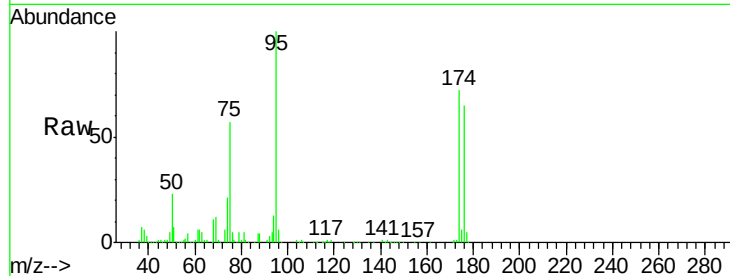
#62
4-Bromofluorobenzene
Concen: 54.912 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	247662		
174	70.8	0.0	132.6	
176	66.2	0.0	129.2	

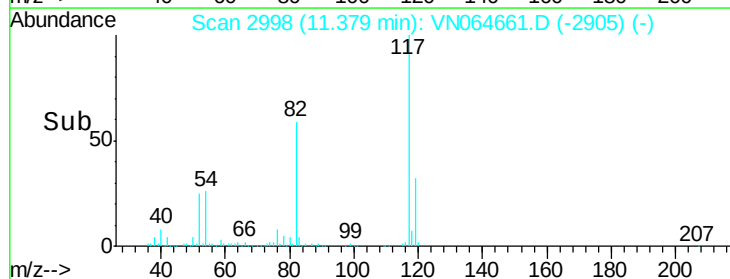
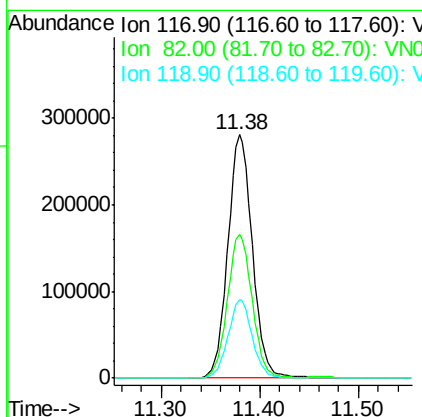
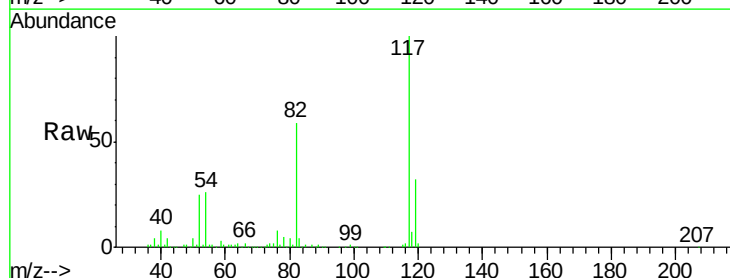
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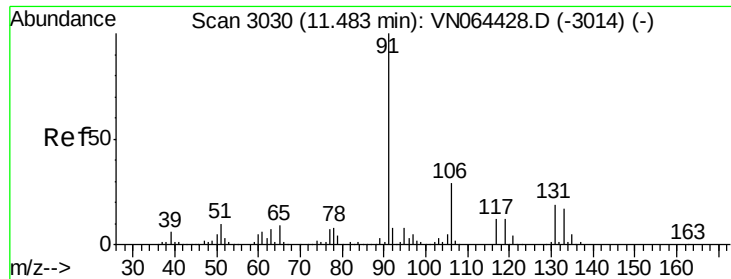
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064661.D
Acq: 16 Nov 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	489310		
82	59.3	48.1	72.1	
119	32.1	26.2	39.4	





#67

Ethyl Benzene

Concen: 17.160 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064661.D

Acq: 16 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 91 Resp: 327414

Ion Ratio Lower Upper

91 100

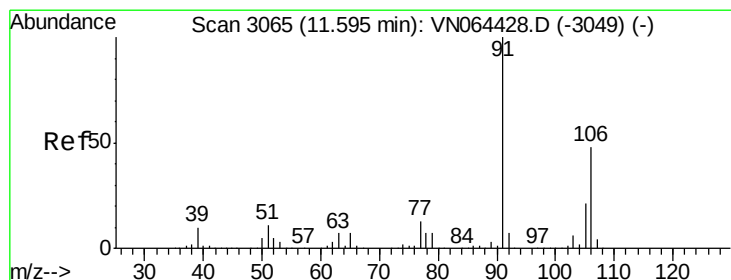
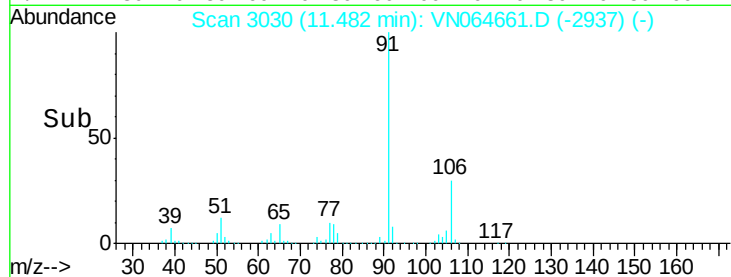
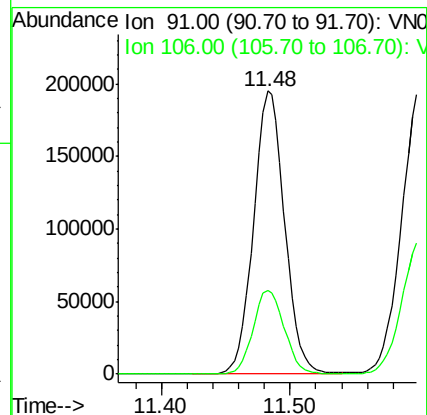
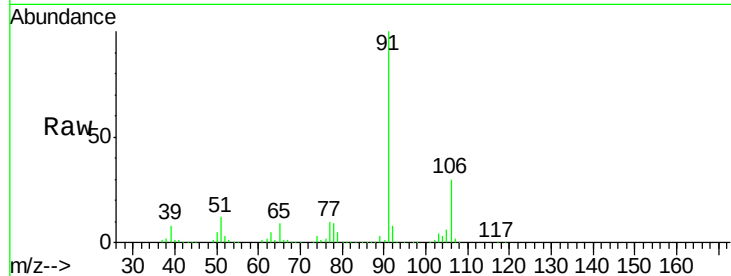
106 29.7 23.6 35.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 23.008 ug/l

RT: 11.60 min Scan# 3066

Delta R.T. 0.00 min

Lab File: VN064661.D

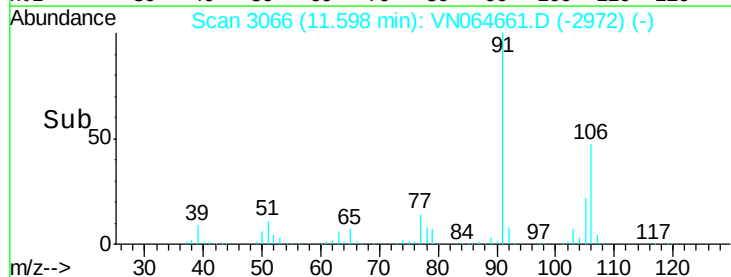
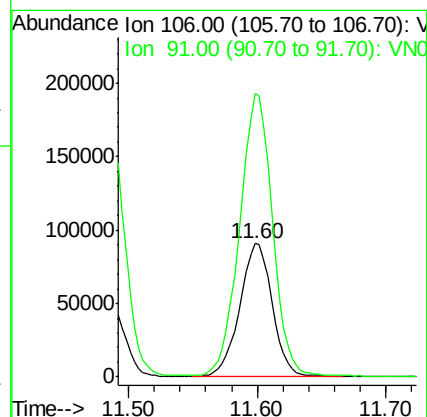
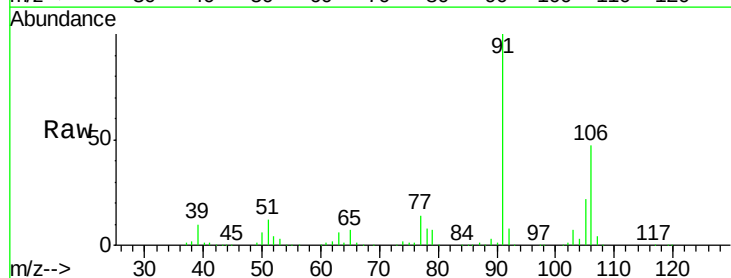
Acq: 16 Nov 2020 15:00

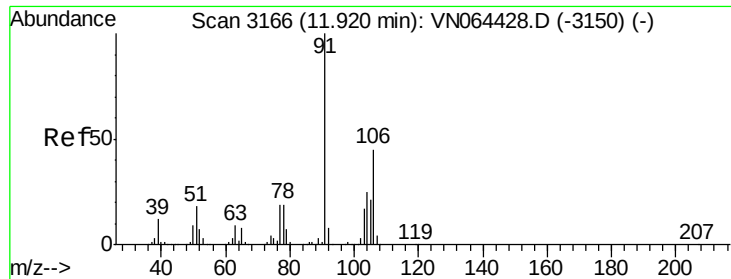
Tgt Ion: 106 Resp: 159203

Ion Ratio Lower Upper

106 100

91 213.9 169.4 254.2





#69

o-Xylene

Concen: 5.335 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064661.D

Acq: 16 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:106 Resp: 35675

Ion Ratio Lower Upper

106 100

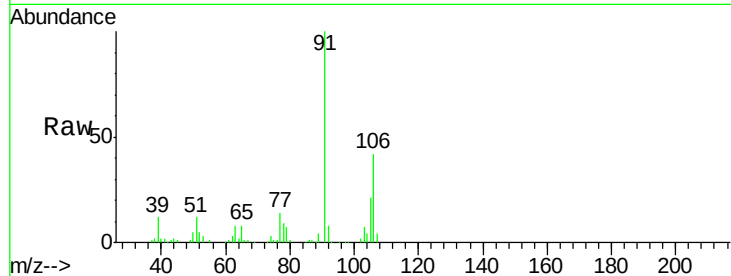
91 236.8 111.7 334.9

Manual Integrations

APPROVED

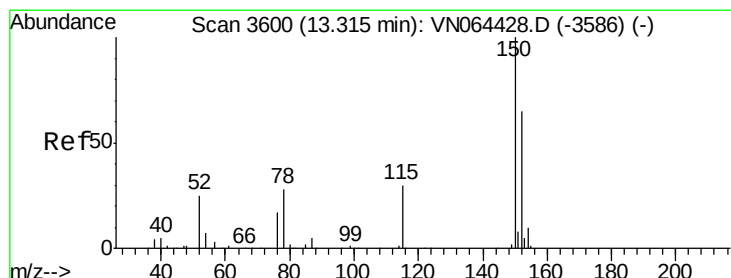
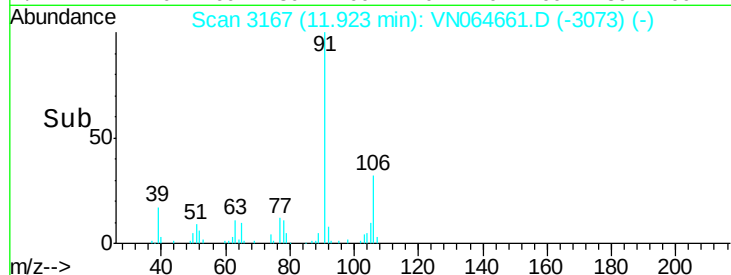
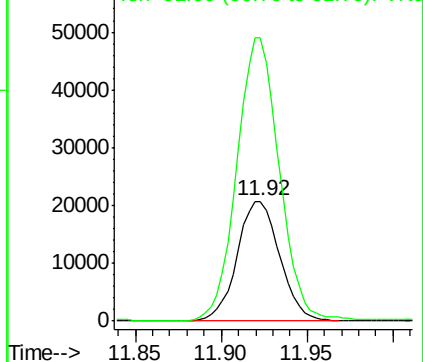
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064661.D

Acq: 16 Nov 2020 15:00

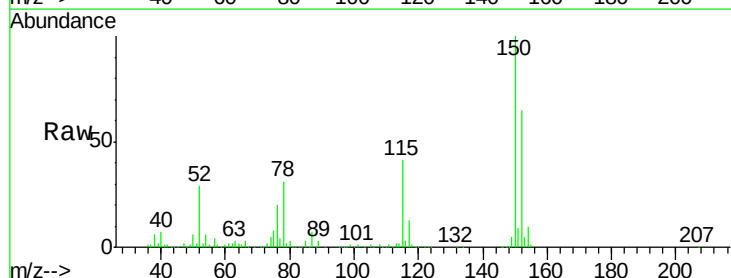
Tgt Ion:152 Resp: 217911

Ion Ratio Lower Upper

152 100

115 64.2 32.0 96.0

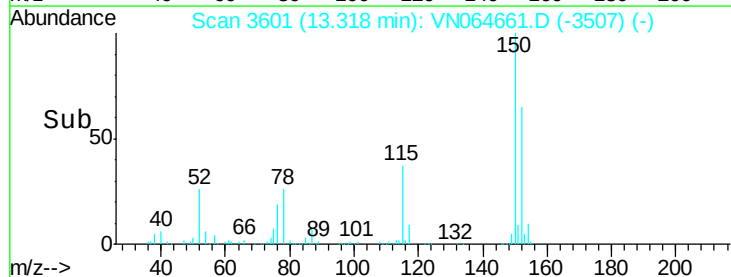
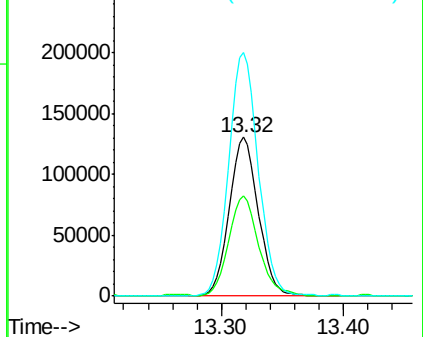
150 155.1 0.0 353.8

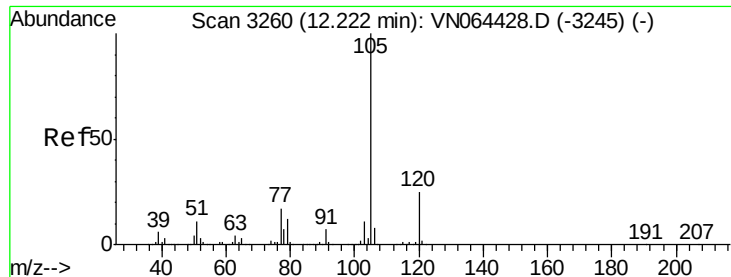


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.689 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064661.D

Acq: 16 Nov 2020 15:00

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 105 Resp: 11937

Ion Ratio Lower Upper

105 100

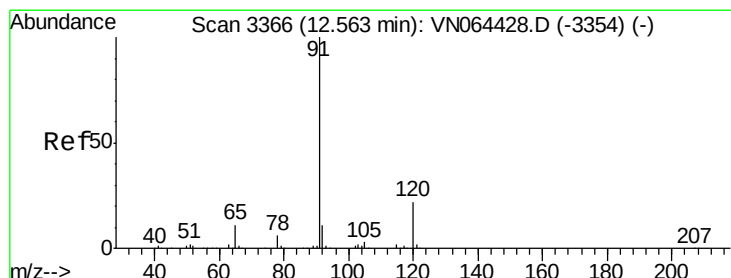
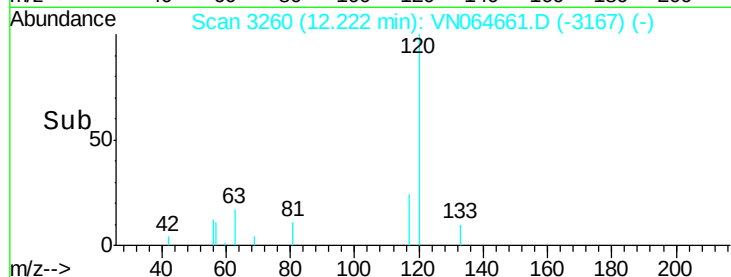
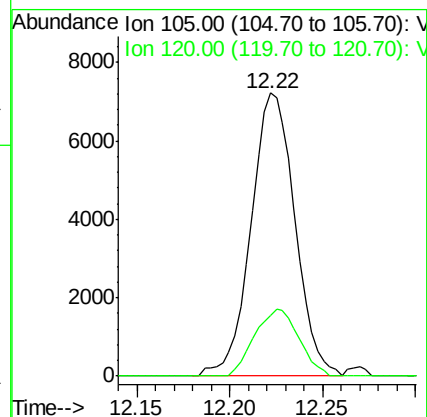
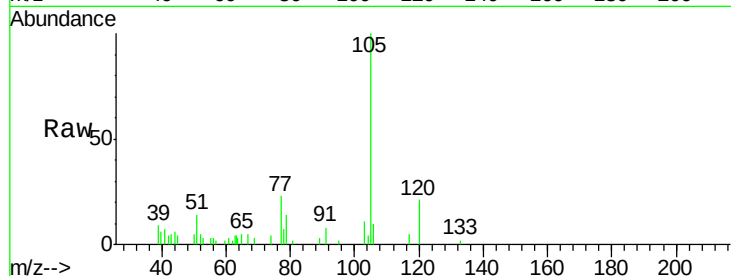
120 23.8 12.8 38.3

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#78

n-propylbenzene

Concen: 0.490 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064661.D

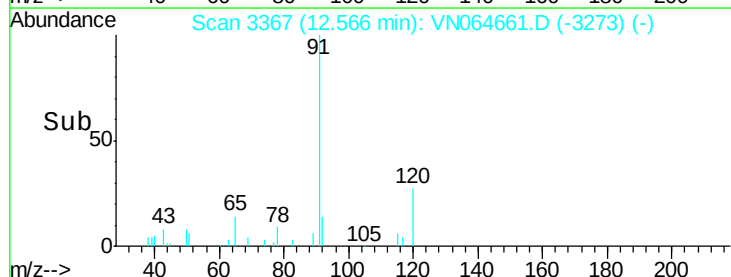
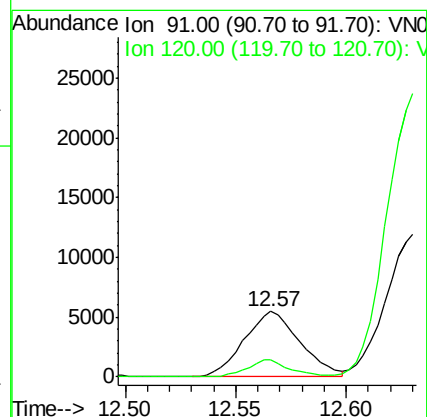
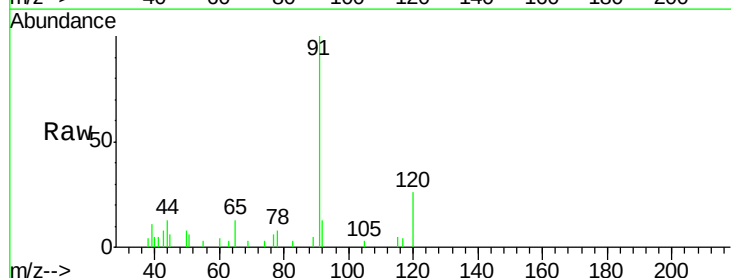
Acq: 16 Nov 2020 15:00

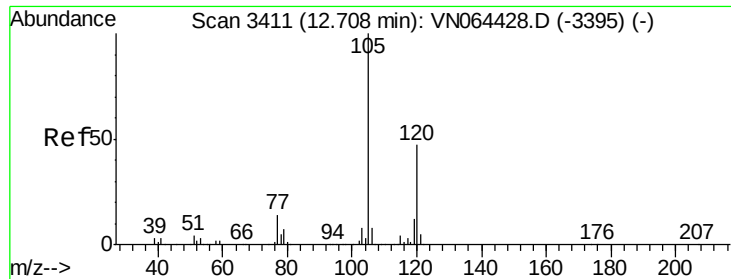
Tgt Ion: 91 Resp: 9675

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#





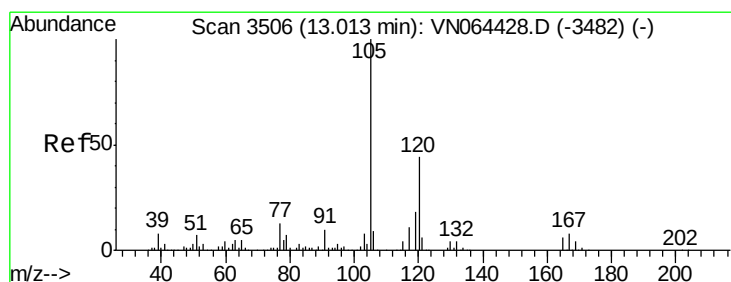
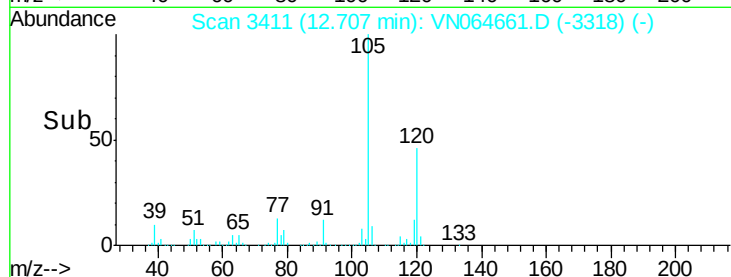
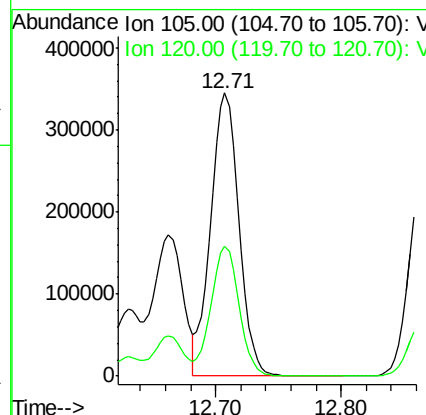
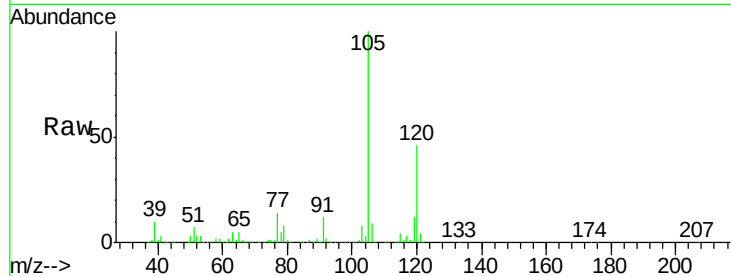
#80
 1,3,5-Trimethylbenzene
 Concen: 37.770 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.2

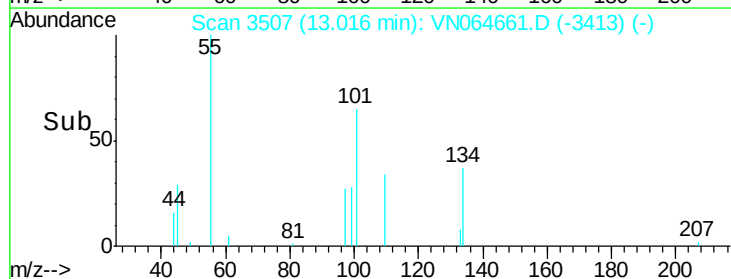
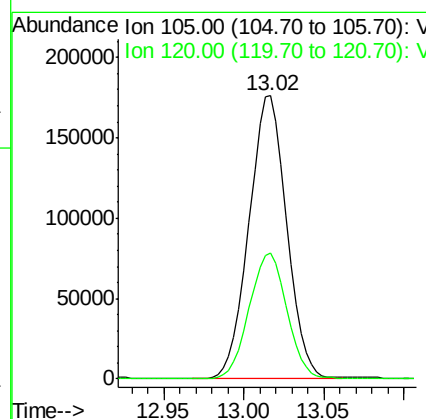
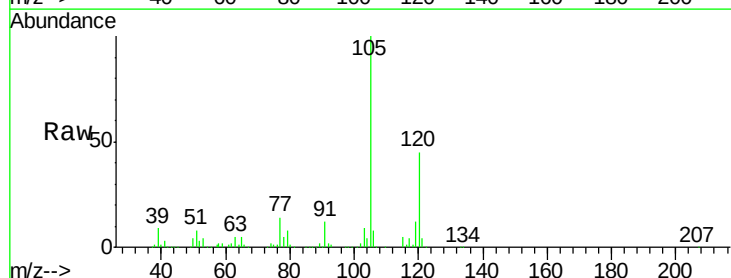
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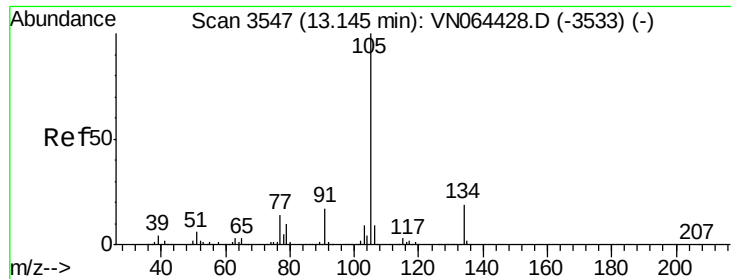
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.763 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.7





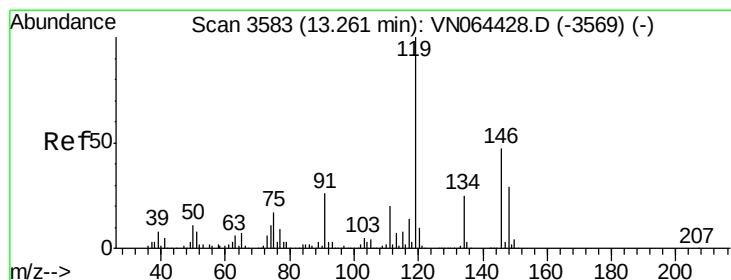
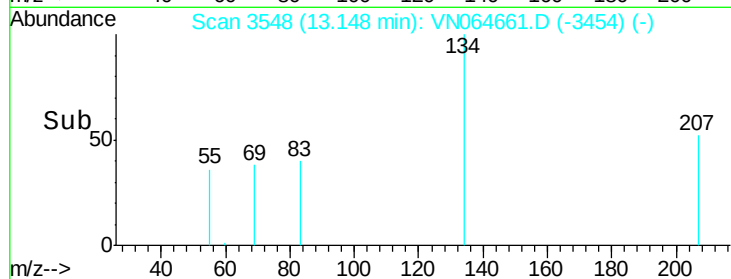
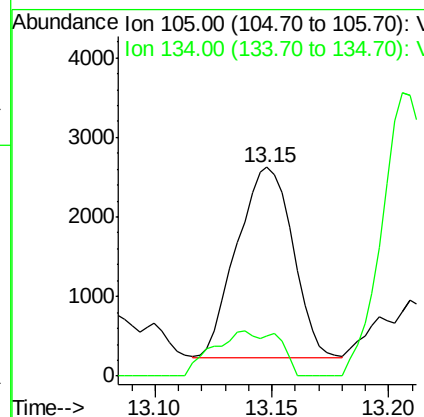
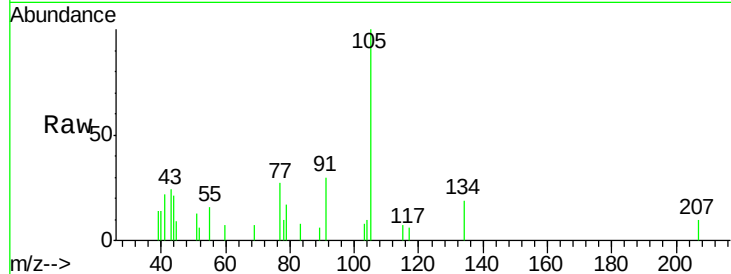
#85
 sec-Butylbenzene
 Concen: 0.280 ug/l m
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion:105 Resp: 3959
 Ion Ratio Lower Upper
 105 100
 134 5.8 9.4 28.2#

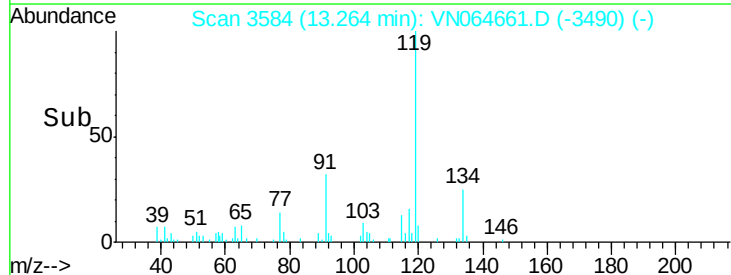
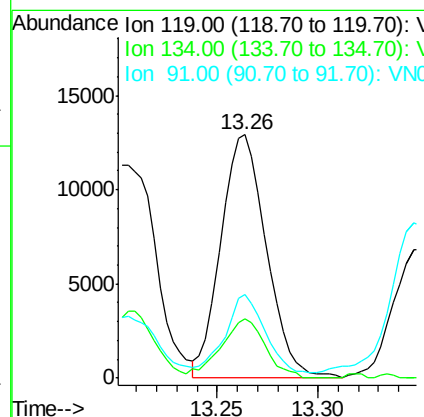
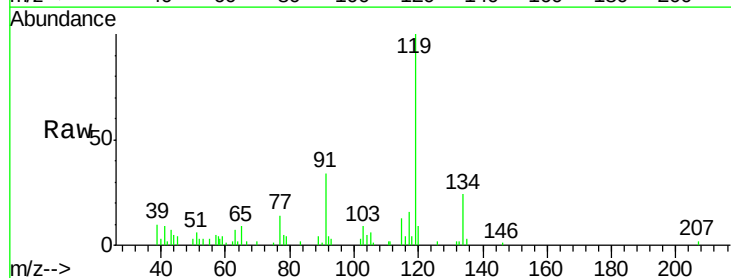
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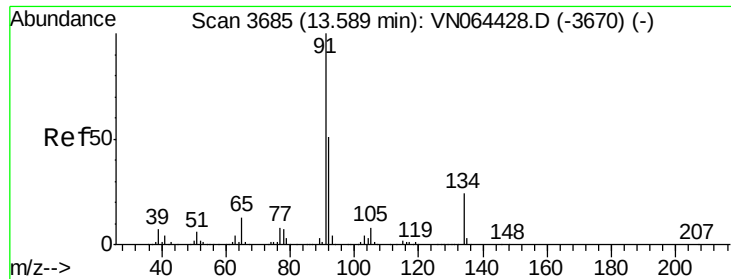
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#86
 p-Isopropyltoluene
 Concen: 1.604 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Tgt Ion:119 Resp: 20387
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.6 37.6
 91 27.1 12.8 38.3





#89
 n-Butylbenzene
 Concen: 6.898 ug/l
 RT: 13.56 min Scan# 3675
 Delta R.T. -0.03 min
 Lab File: VN064661.D
 Acq: 16 Nov 2020 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	11.5	25.3	75.9#
134	160.1	11.8	35.4#

Manual Integrations
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