

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064803.D
 Acq On : 24 Nov 2020 12:14
 Operator : JC/MD
 Sample : L4829-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
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 11/25/2020 3:57:10 PM

Quant Time: Nov 25 04:34:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	330547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104540	49.78	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.56%
35) Dibromofluoromethane	7.55	113	94349	50.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.48%
50) Toluene-d8	10.06	98	392112	51.10	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.20%
62) 4-Bromofluorobenzene	12.38	95	169969	61.89	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	123.78%

Target Compounds

						Qvalue
16) Acetone	3.78	43	3489	5.054	ug/l	91
17) Carbon Disulfide	4.01	76	4634	1.030	ug/l #	75
31) Cyclohexane	7.59	56	57207	19.546	ug/l #	41
39) Methylcyclohexane	9.05	83	70463	22.500	ug/l	97
52) Toluene	10.13	92	2450	0.446	ug/l	89
67) Ethyl Benzene	11.48	91	187699	15.828	ug/l	98
68) m/p-Xylenes	11.60	106	7333	1.633	ug/l	100
69) o-Xylene	11.92	106	23060	5.413	ug/l	100
73) Isopropylbenzene	12.22	105	1024034	83.509	ug/l	99
78) n-propylbenzene	12.56	91	1217674	87.167	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	332193	32.592	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	5525919	536.219	ug/l	91
85) sec-Butylbenzene	13.14	105	56679m	4.997	ug/l	
86) p-Isopropyltoluene	13.26	119	192821m	18.671	ug/l	
89) n-Butylbenzene	13.59	91	76509m	8.436	ug/l	
95) Naphthalene	15.11	128	12409220	1161.017	ug/l #	58

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

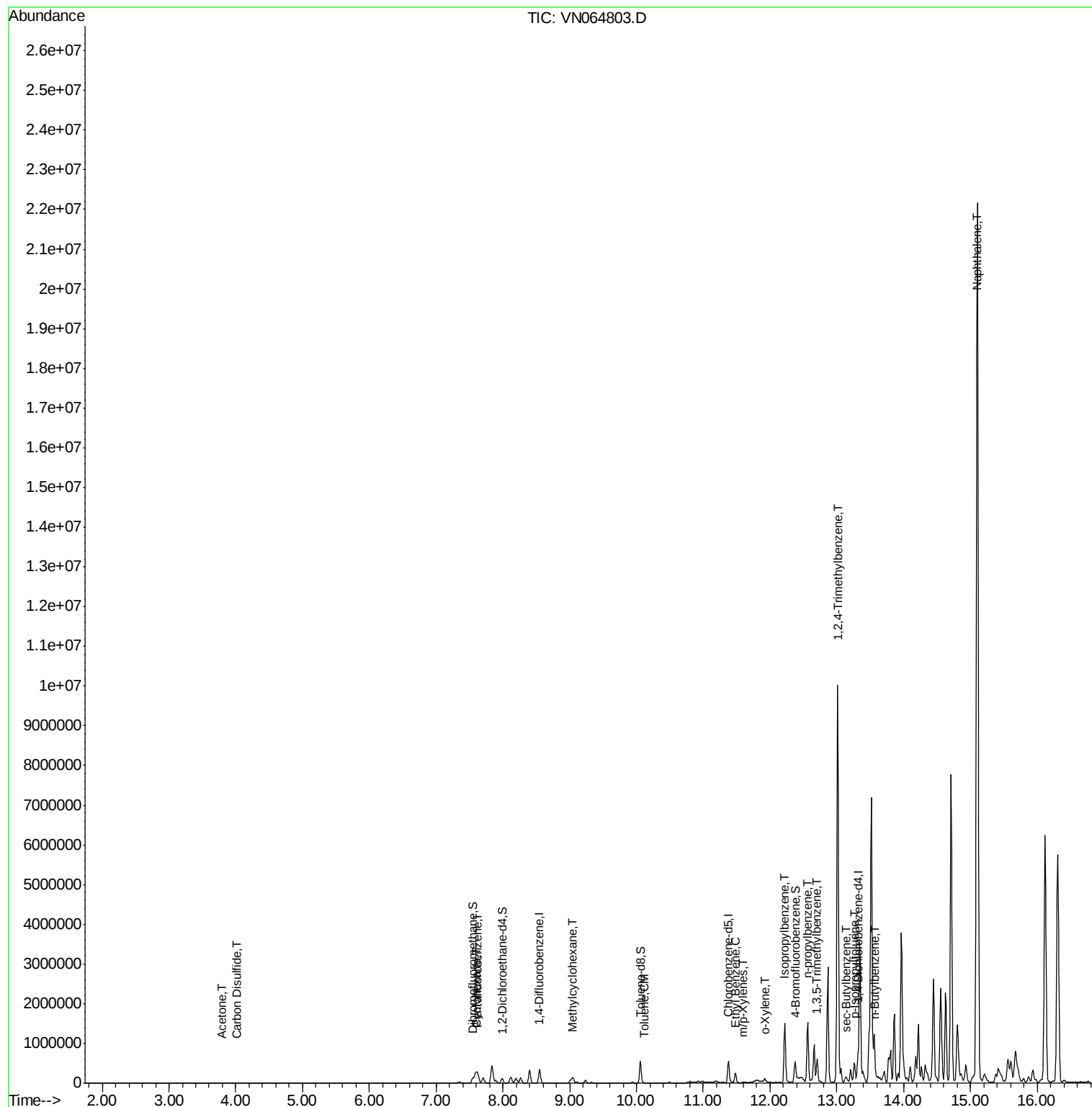
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064803.D
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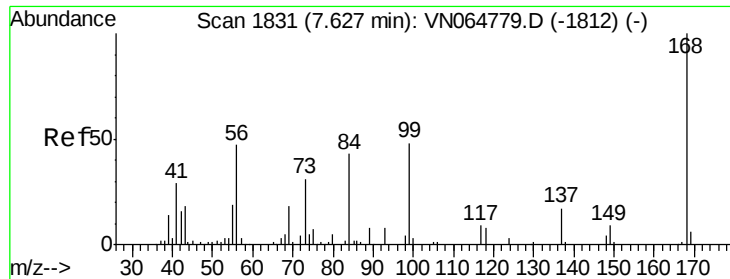
Instrument :
MSVOA_N
ClientSampleId :
MW-14

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Quant Time: Nov 25 04:34:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064803.D

Acq: 24 Nov 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tot Ion:168 Resp: 180626

Ion Ratio Lower Upper

168 100

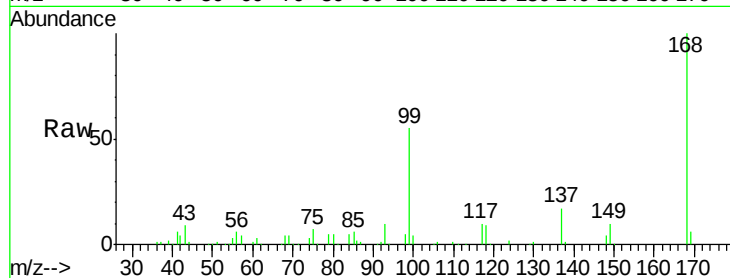
99 54.6 43.0 64.4

Manual Integrations

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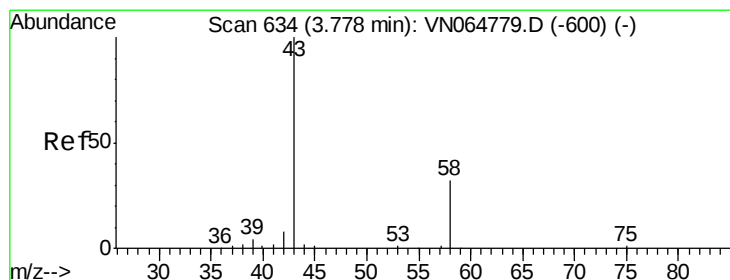
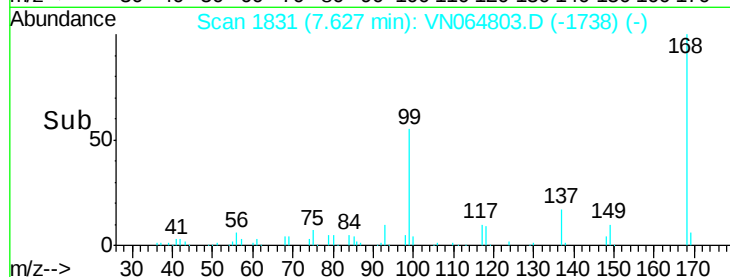
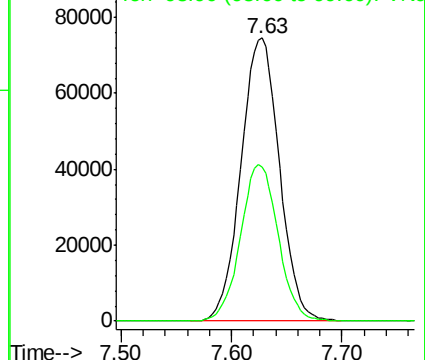
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.054 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064803.D

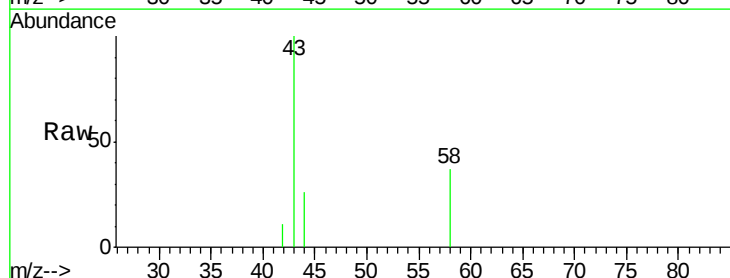
Acq: 24 Nov 2020 12:14

Tgt Ion: 43 Resp: 3489

Ion Ratio Lower Upper

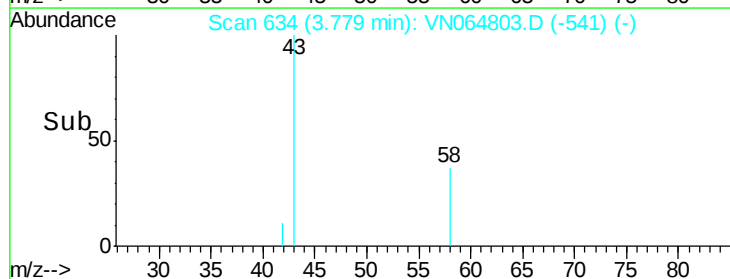
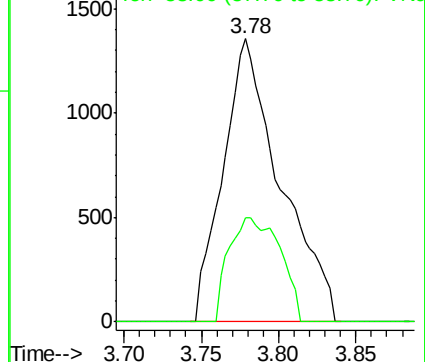
43 100

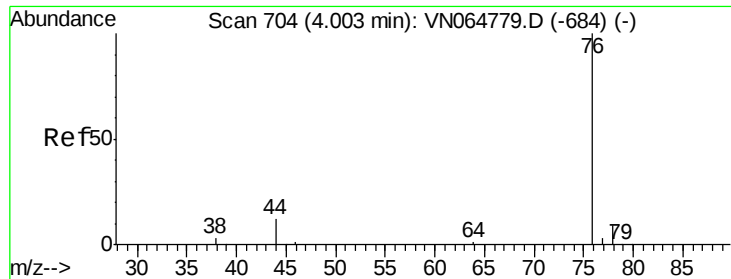
58 36.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 1.030 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064803.D

Acq: 24 Nov 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 76 Resp: 4634

Ion Ratio Lower Upper

76 100

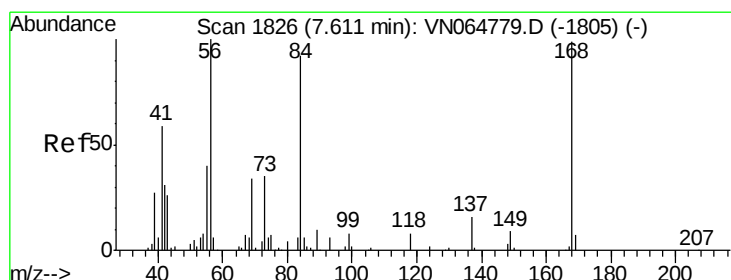
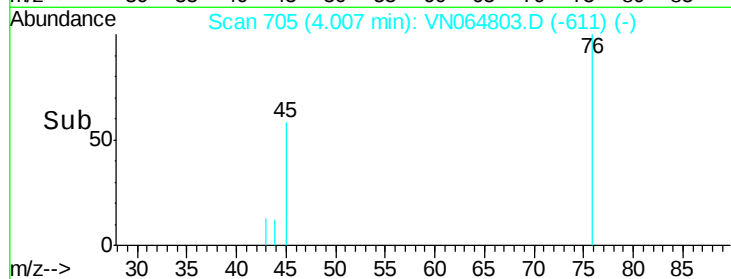
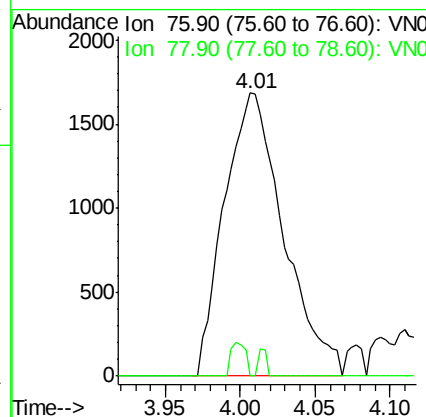
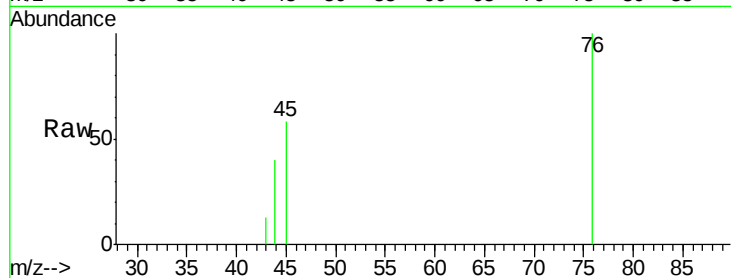
78 0.0 7.4 11.0#

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#31

Cyclohexane

Concen: 19.546 ug/l

RT: 7.59 min Scan# 1820

Delta R.T. -0.02 min

Lab File: VN064803.D

Acq: 24 Nov 2020 12:14

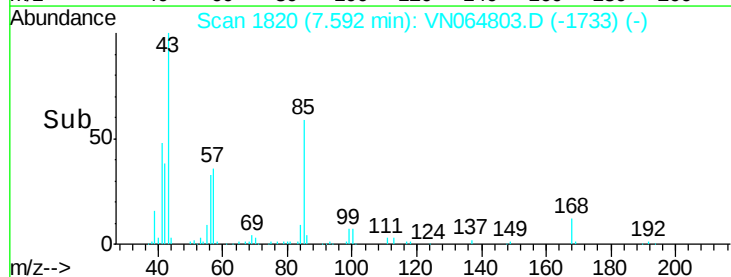
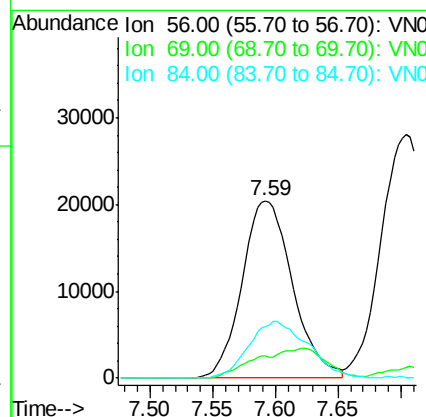
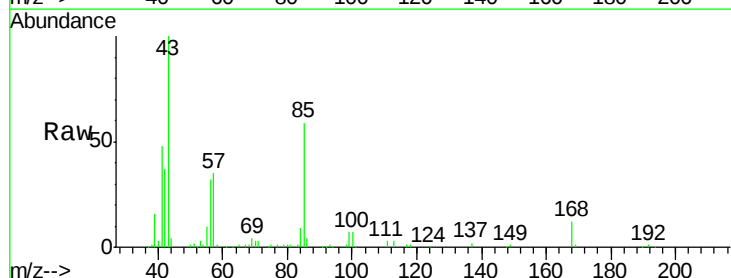
Tgt Ion: 56 Resp: 57207

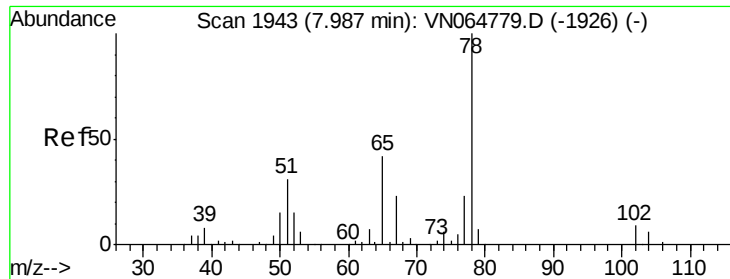
Ion Ratio Lower Upper

56 100

69 12.7 27.5 41.3#

84 28.9 73.9 110.9#





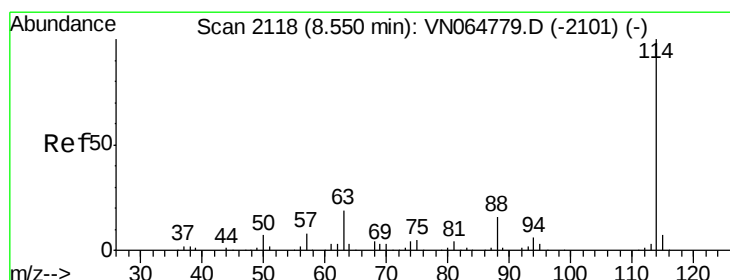
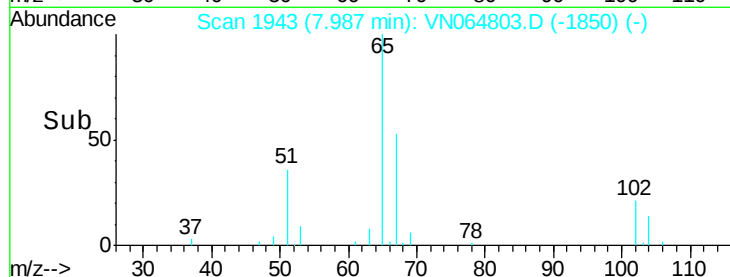
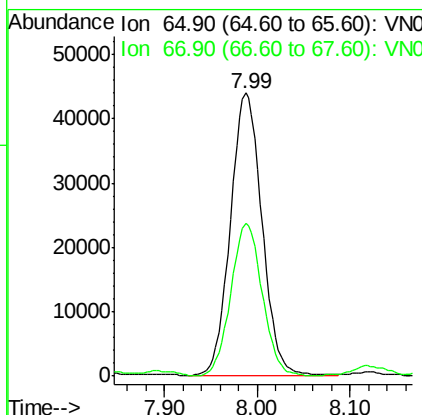
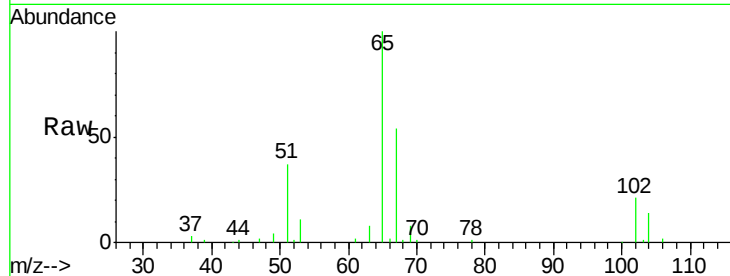
#33
 1,2-Dichloroethane-d4
 Concen: 49.783 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064803.D
 Acq: 24 Nov 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104540		
67	53.5	0.0	108.2	

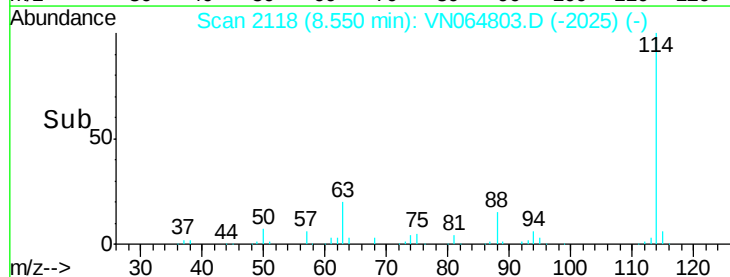
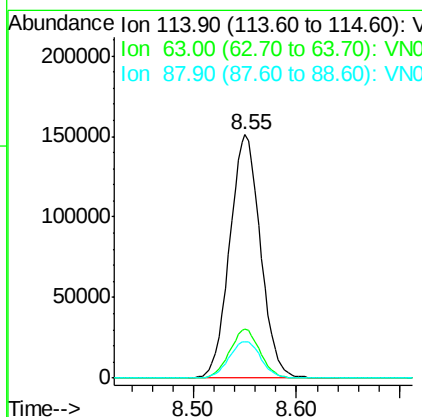
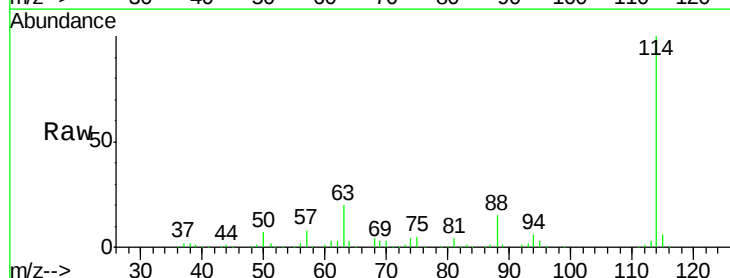
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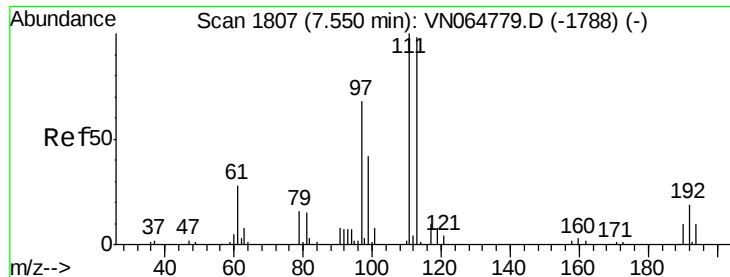
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064803.D
 Acq: 24 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	313849		
63	20.0	0.0	38.6	
88	15.1	0.0	32.6	





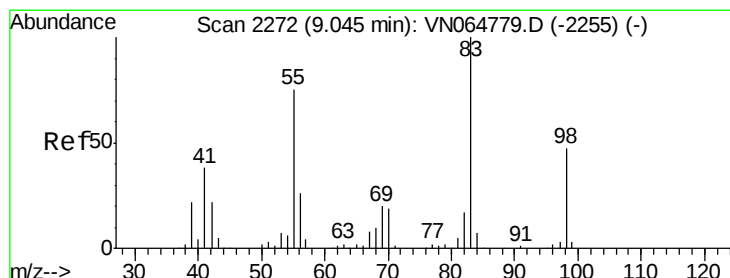
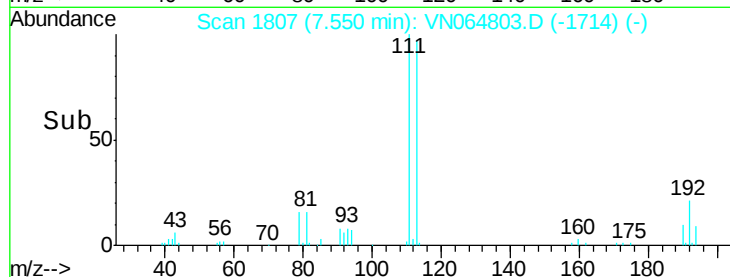
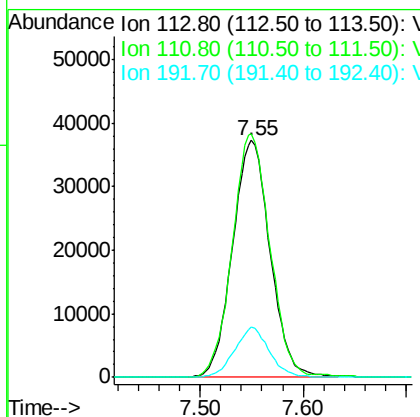
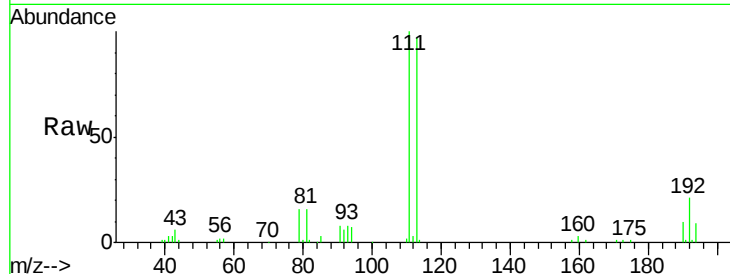
#35
Dibromofluoromethane
Concen: 50.240 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	19.3	16.2	24.2

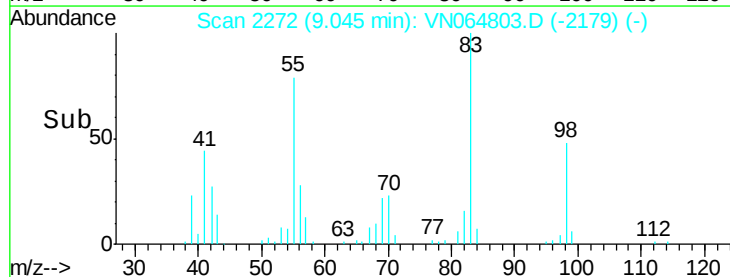
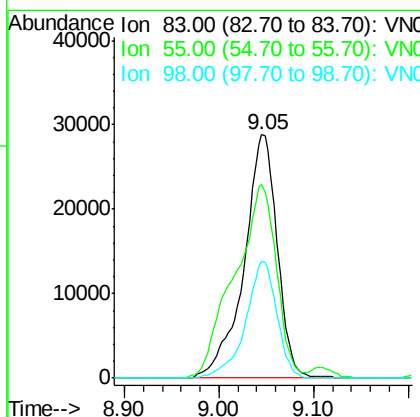
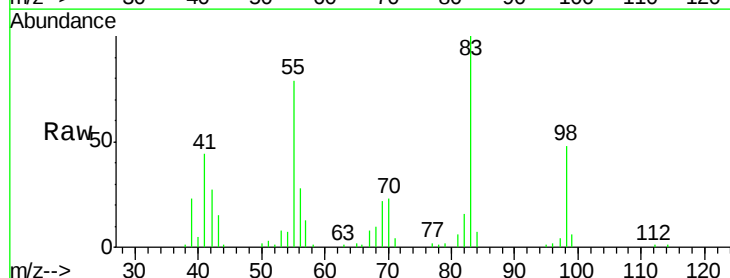
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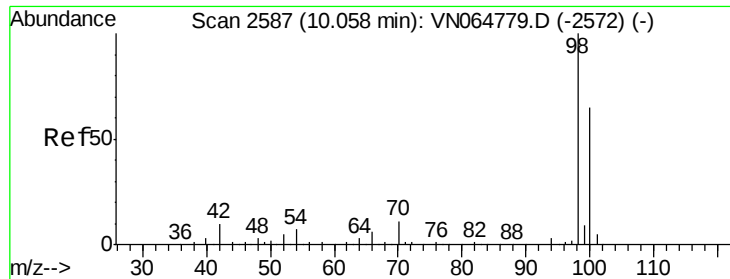
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#39
Methylcyclohexane
Concen: 22.500 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.2	90.2
98	47.8	37.4	56.2





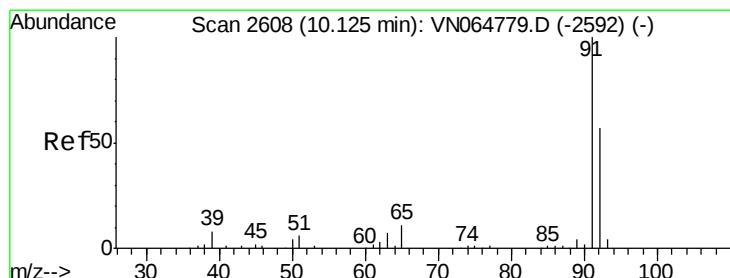
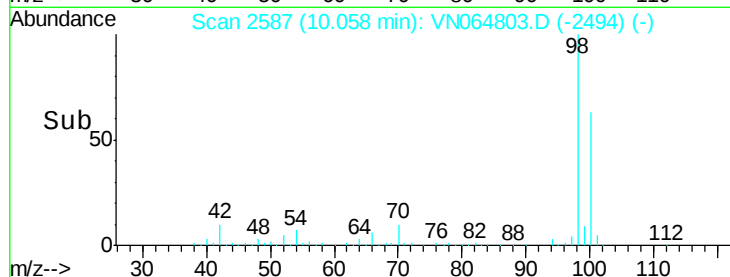
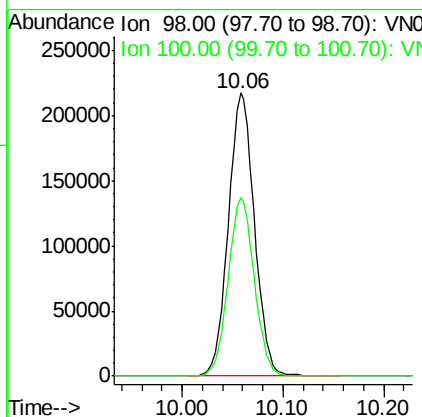
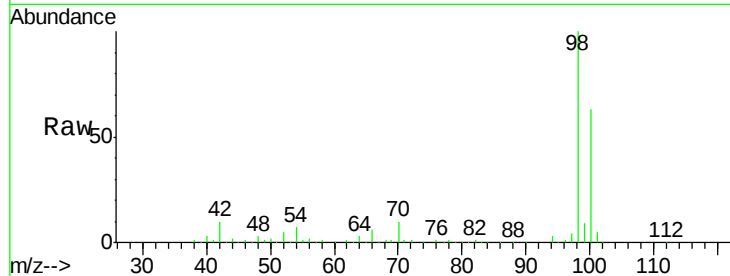
#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion: 98 Resp: 392112
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

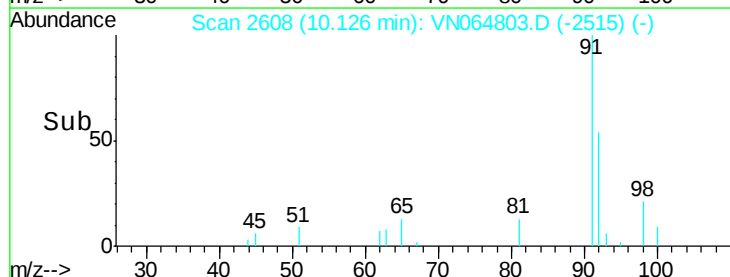
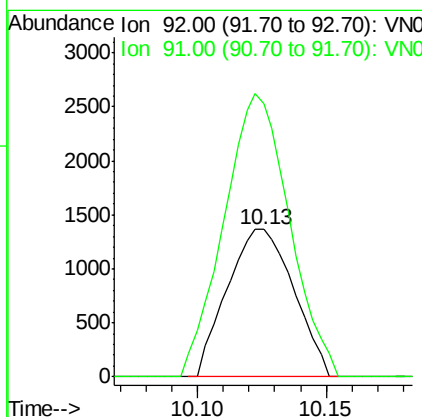
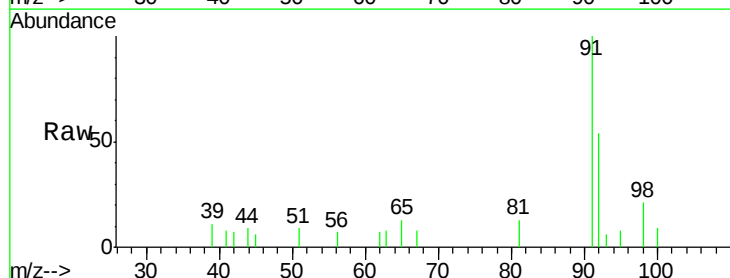
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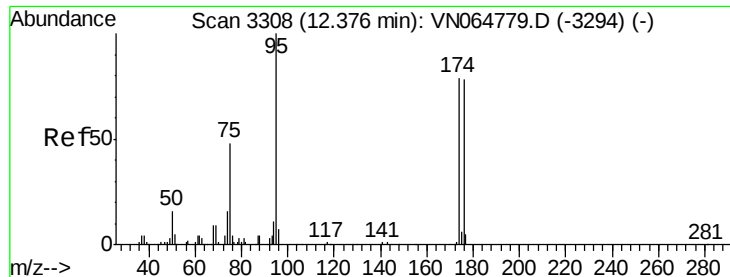
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#52
Toluene
Concen: 0.446 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion: 92 Resp: 2450
Ion Ratio Lower Upper
92 100
91 188.8 139.1 208.7





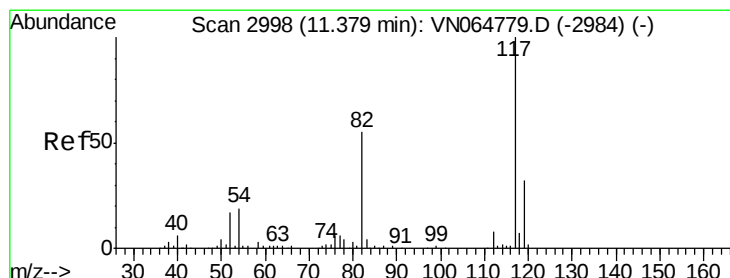
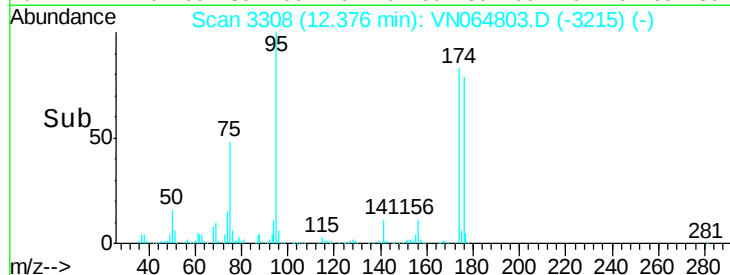
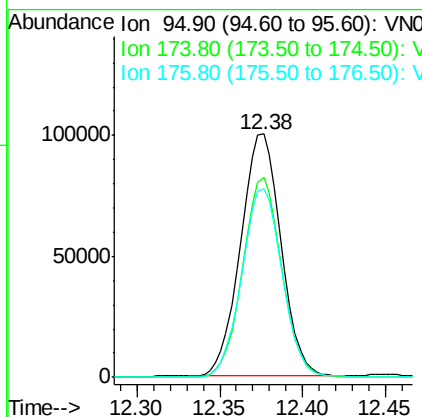
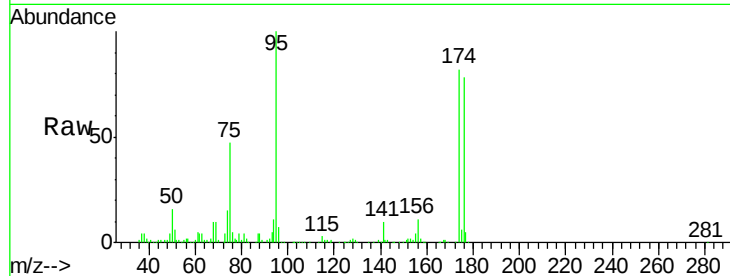
#62
4-Bromofluorobenzene
Concen: 61.895 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion	Ratio	Resp	Lower	Upper
95	100	169969		
174	80.3	0.0	160.4	
176	78.2	0.0	158.4	

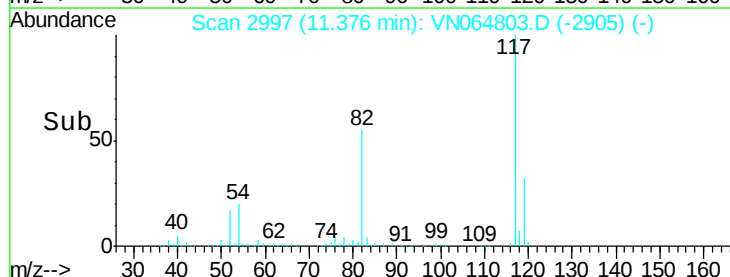
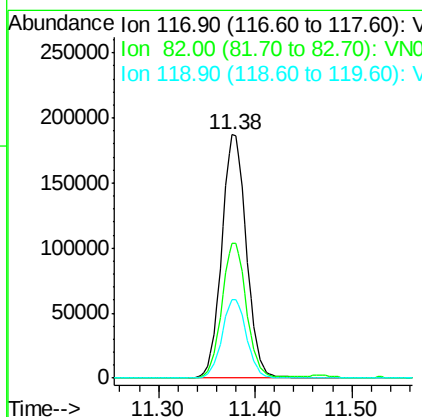
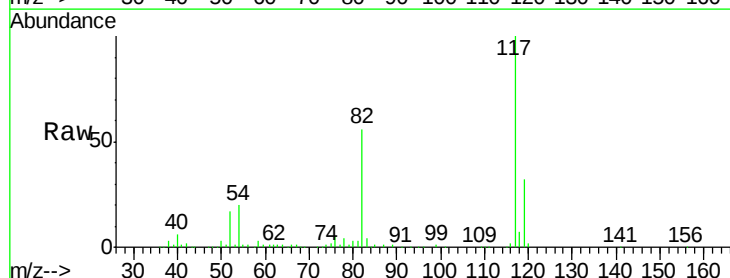
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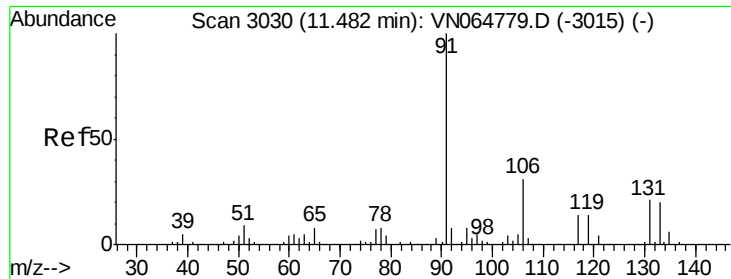
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	330547		
82	55.5	44.2	66.2	
119	32.3	25.8	38.6	





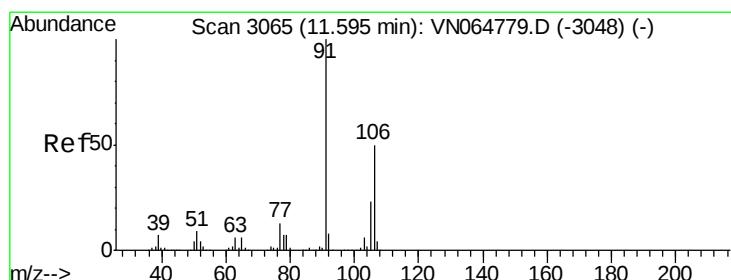
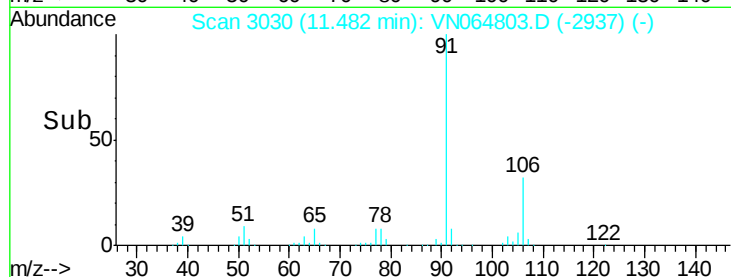
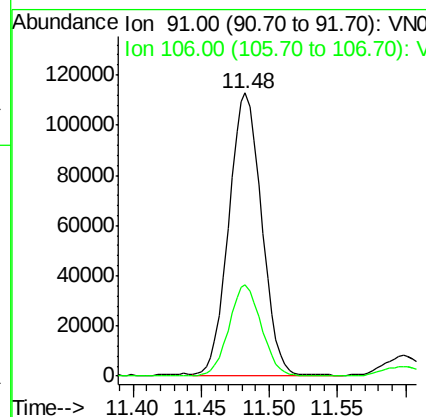
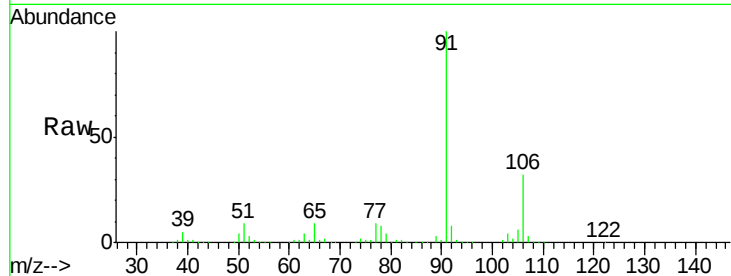
#67
Ethyl Benzene
Concen: 15.828 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion: 91 Resp: 187699
Ion Ratio Lower Upper
91 100
106 32.4 25.2 37.8

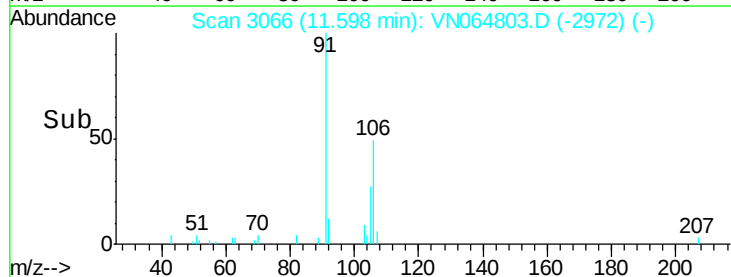
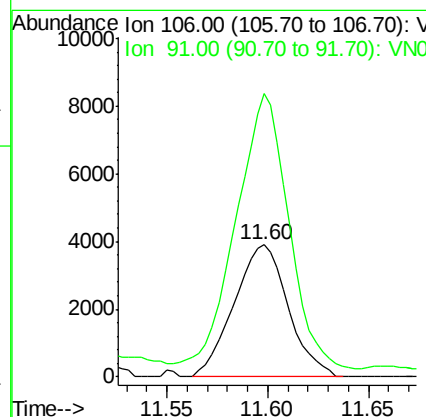
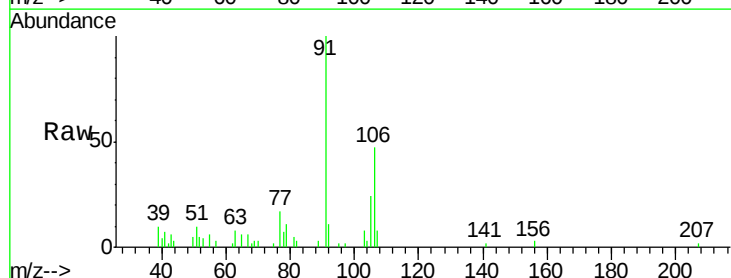
Manual Integrations
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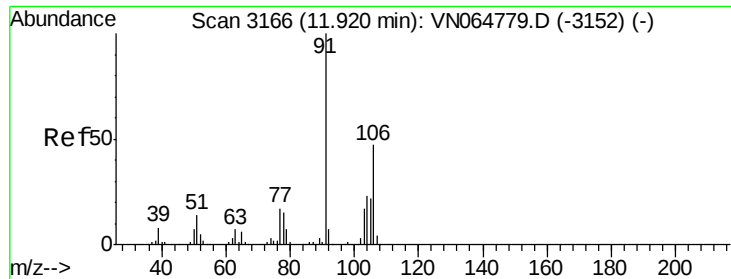
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#68
m/p-Xylenes
Concen: 1.633 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion: 106 Resp: 7333
Ion Ratio Lower Upper
106 100
91 201.1 161.0 241.4





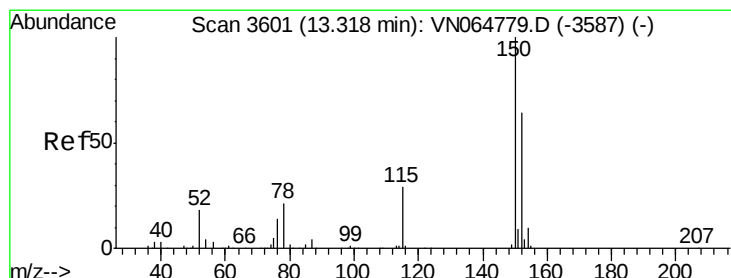
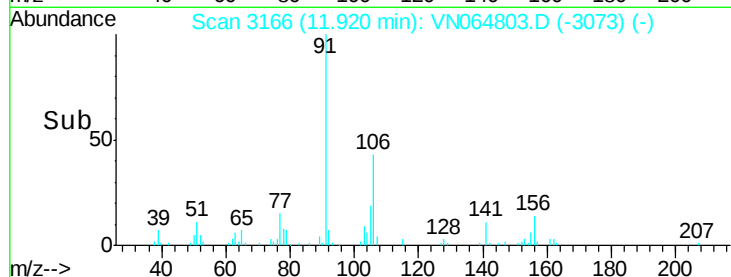
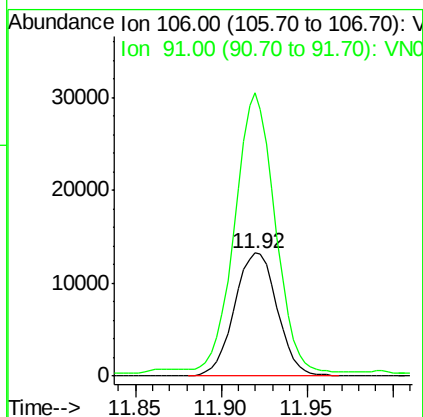
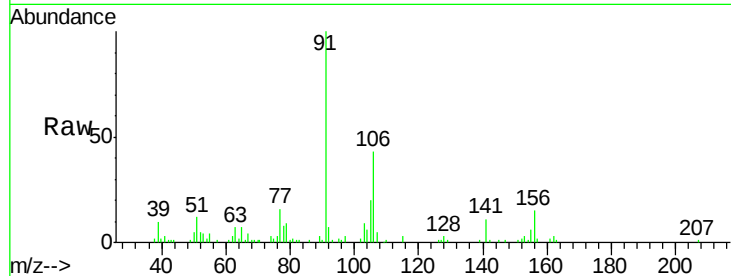
#69
o-Xylene
Concen: 5.413 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion:106 Resp: 23060
Ion Ratio Lower Upper
106 100
91 210.7 105.5 316.5

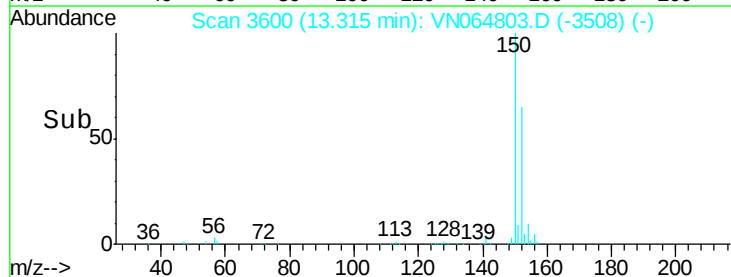
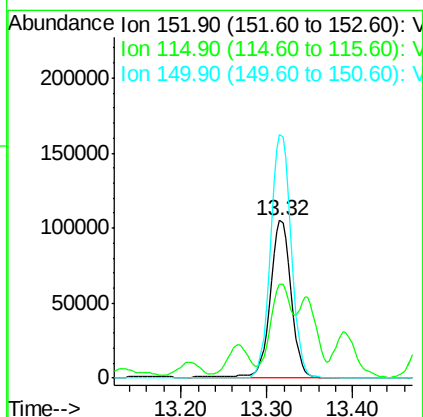
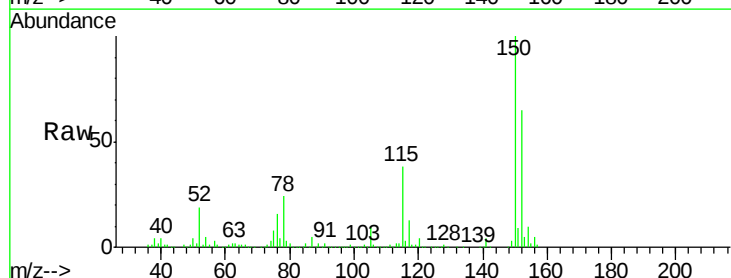
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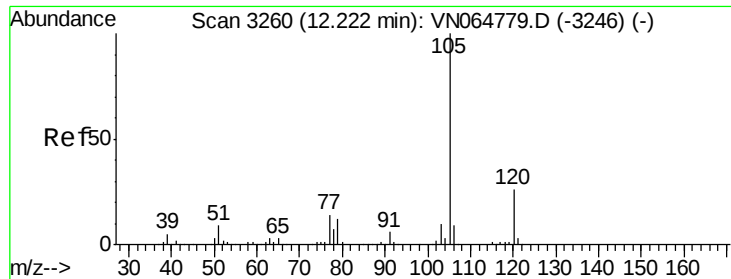
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion:152 Resp: 176294
Ion Ratio Lower Upper
152 100
115 59.9 29.7 89.1
150 153.2 0.0 350.6





#73

Isopropylbenzene

Concen: 83.509 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064803.D

Acq: 24 Nov 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion:105 Resp: 1024034

Ion Ratio Lower Upper

105 100

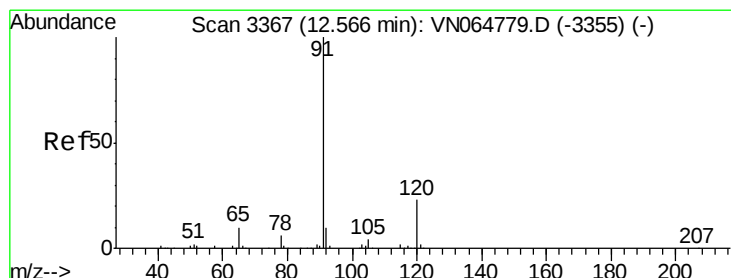
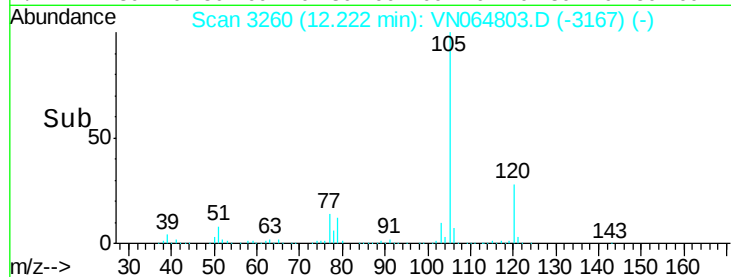
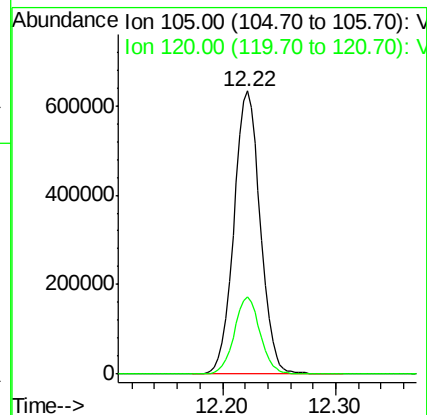
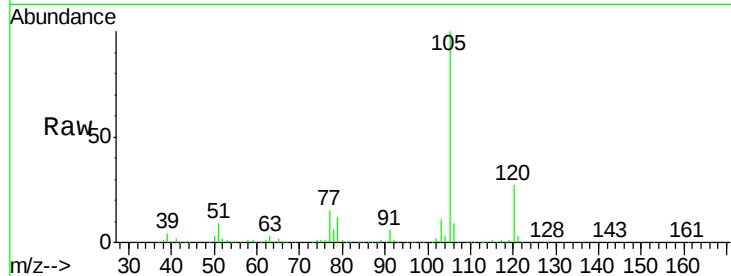
120 26.9 13.3 39.9

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#78

n-propylbenzene

Concen: 87.167 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064803.D

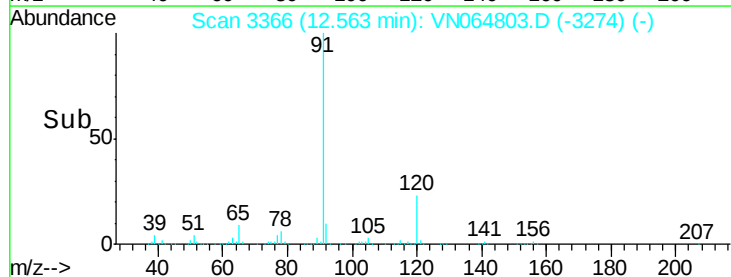
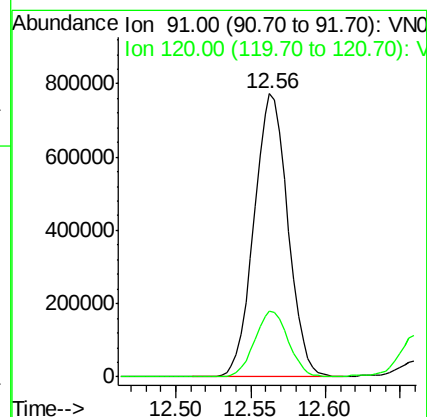
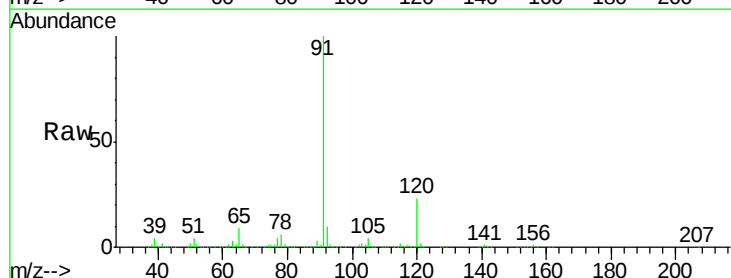
Acq: 24 Nov 2020 12:14

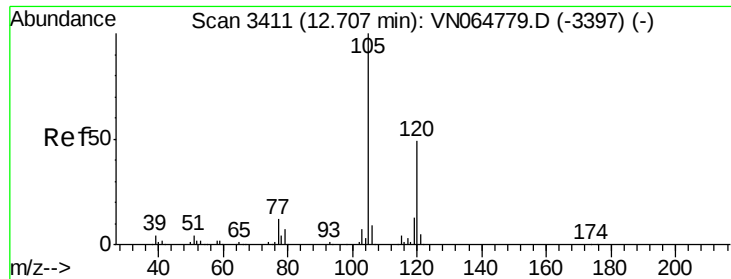
Tgt Ion: 91 Resp: 1217674

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.7





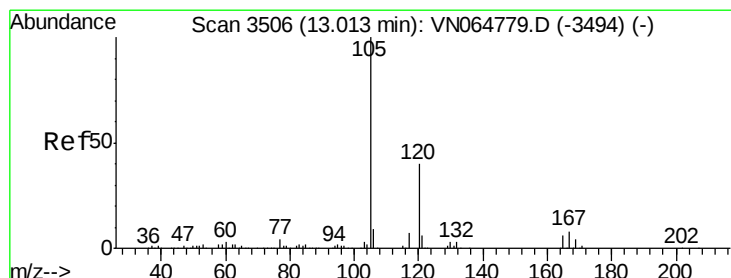
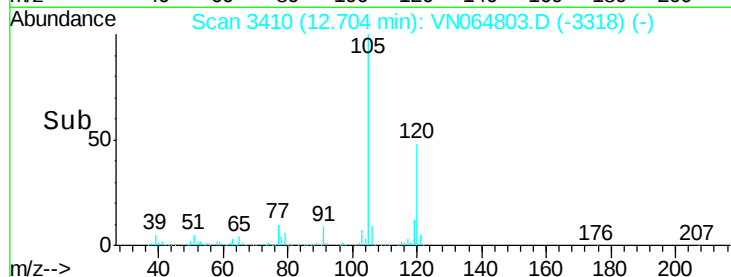
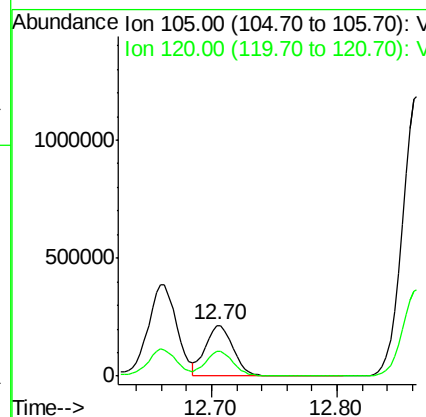
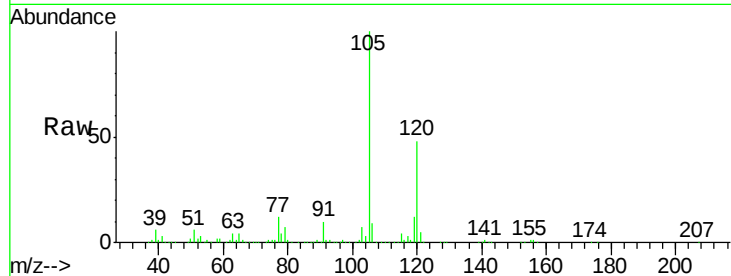
#80
 1,3,5-Trimethylbenzene
 Concen: 32.592 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064803.D
 Acq: 24 Nov 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Tot Ion:105 Resp: 332193
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.6 73.6

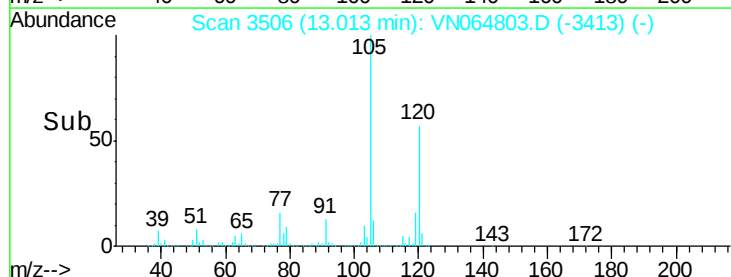
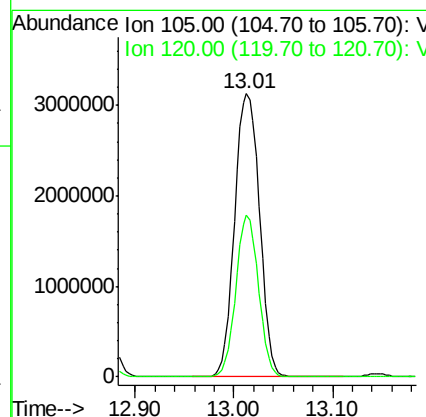
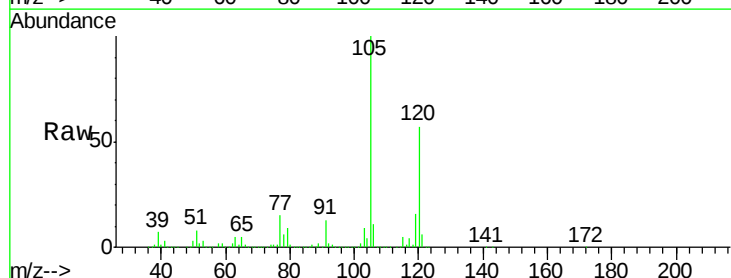
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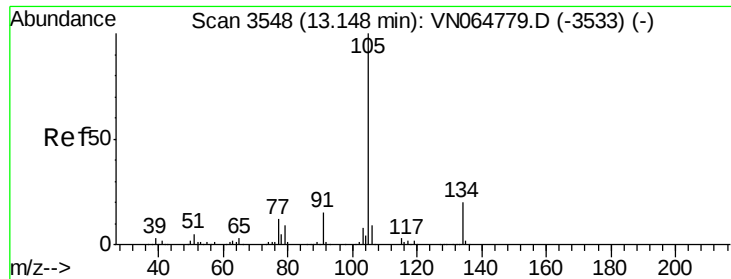
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#84
 1,2,4-Trimethylbenzene
 Concen: 536.219 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064803.D
 Acq: 24 Nov 2020 12:14

Tgt Ion:105 Resp: 5525919
 Ion Ratio Lower Upper
 105 100
 120 51.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 4.997 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064803.D

Acq: 24 Nov 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion:105 Resp: 56679

Ion Ratio Lower Upper

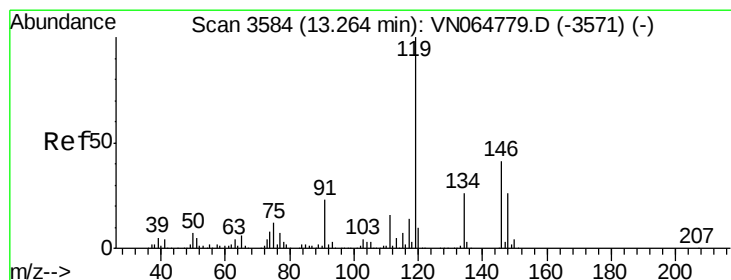
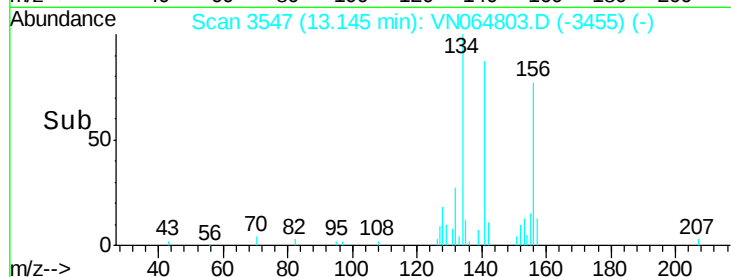
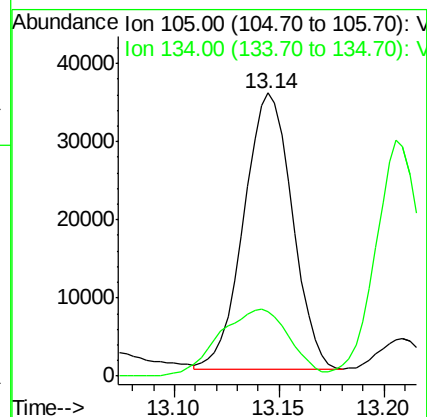
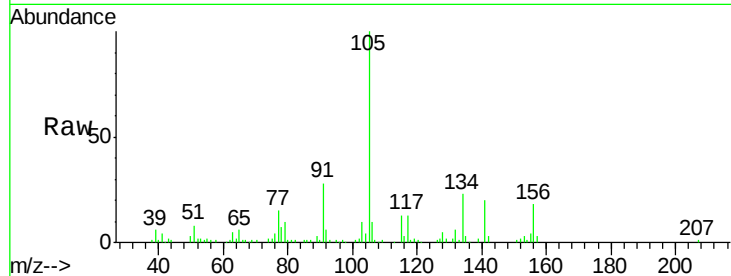
105 100

134 0.0 10.1 30.1#

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#86

p-Isopropyltoluene

Concen: 18.671 ug/l m

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064803.D

Acq: 24 Nov 2020 12:14

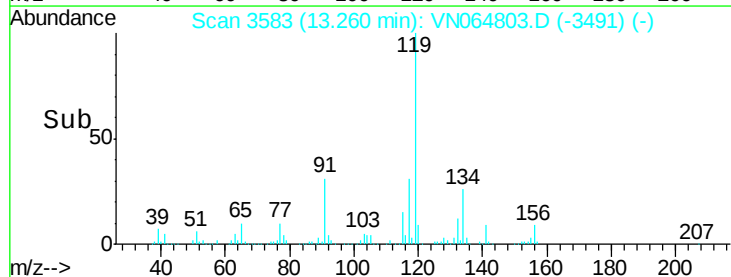
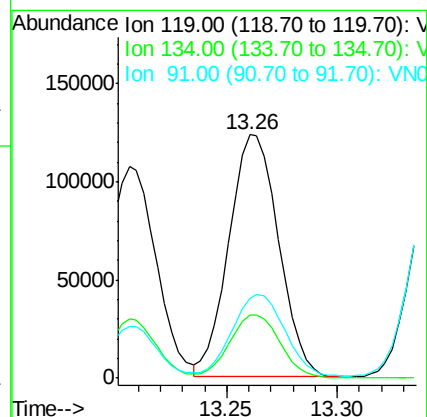
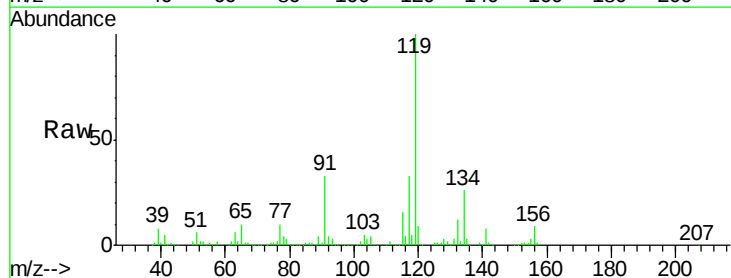
Tgt Ion:119 Resp: 192821

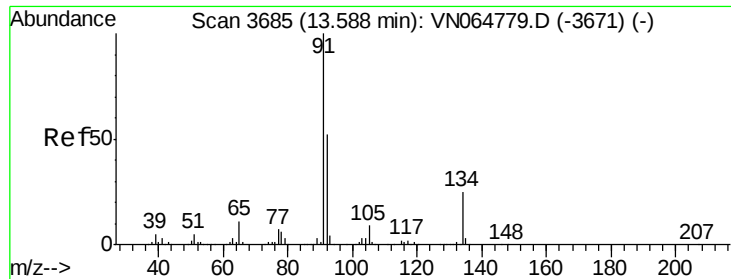
Ion Ratio Lower Upper

119 100

134 24.1 13.1 39.1

91 19.6 11.5 34.5





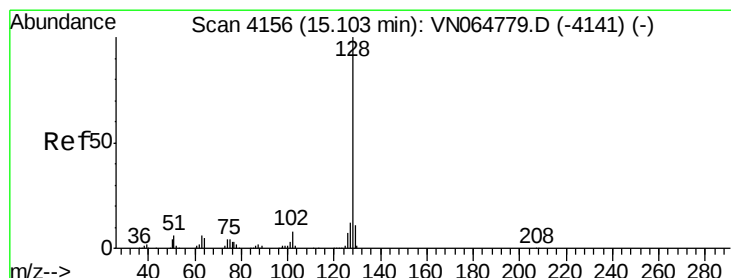
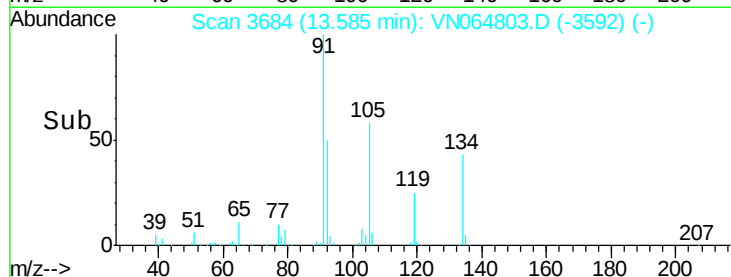
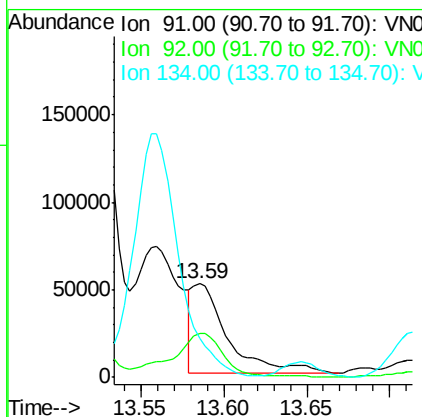
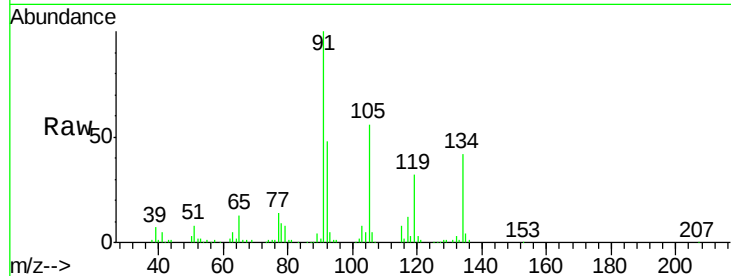
#89
n-Butylbenzene
Concen: 8.436 ug/l m
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.0	78.0#
134	337.3	12.9	38.6#

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#95
Naphthalene
Concen: 1161.017 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064803.D
Acq: 24 Nov 2020 12:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	29.7	10.3	15.5#
129	26.6	8.7	13.1#

