

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064897.D
 Acq On : 3 Dec 2020 14:11
 Operator : JC/MD
 Sample : L4918-03
 Misc : 5.01µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16827

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:20 PM

Quant Time: Dec 04 03:57:15 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	7.62	168	186677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	102468	47.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.42%
35) Dibromofluoromethane	7.55	113	89684	47.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.22%
50) Toluene-d8	10.06	98	426395	55.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	110.80%
62) 4-Bromofluorobenzene	12.37	95	182470	66.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	132.50%

Target Compounds

					Qvalue
16) Acetone	3.78	43	7958961	11156.065 ug/l	90
31) Cyclohexane	7.59	56	904990	299.190 ug/l #	62
39) Methylcyclohexane	9.04	83	1284669	408.998 ug/l	100
40) Benzene	8.00	78	587475	65.705 ug/l	99
52) Toluene	10.13	92	11378943	2066.527 ug/l #	60
67) Ethyl Benzene	11.48	91	5079684	450.919 ug/l	90
68) m/p-Xylenes	11.59	106	7143236	1674.819 ug/l #	62
69) o-Xylene	11.92	106	3605922	890.934 ug/l	80
73) Isopropylbenzene	12.22	105	797769	65.387 ug/l	100
78) n-propylbenzene	12.57	91	3911458	281.417 ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	4750033	468.389 ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	9772527m	953.092 ug/l	
85) sec-Butylbenzene	13.14	105	588371	52.132 ug/l #	57
86) p-Isopropyltoluene	13.26	119	390923	38.045 ug/l	99
89) n-Butylbenzene	13.59	91	1586733	175.842 ug/l #	74
95) Naphthalene	15.10	128	5980098	562.332 ug/l	96

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

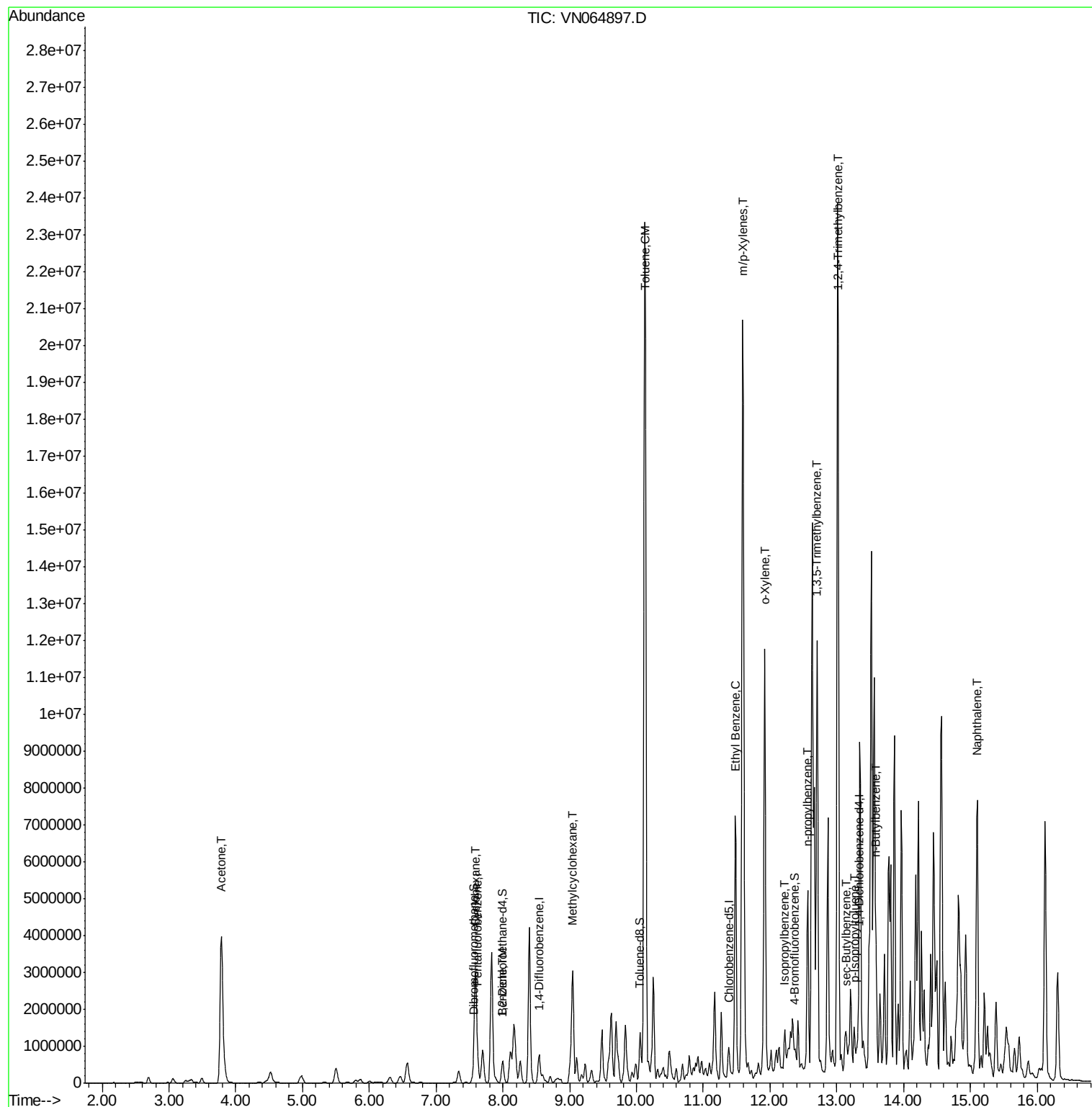
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064897.D
Acq On : 3 Dec 2020 14:11
Operator : JC/MD
Sample : L4918-03
Misc : 5.01µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

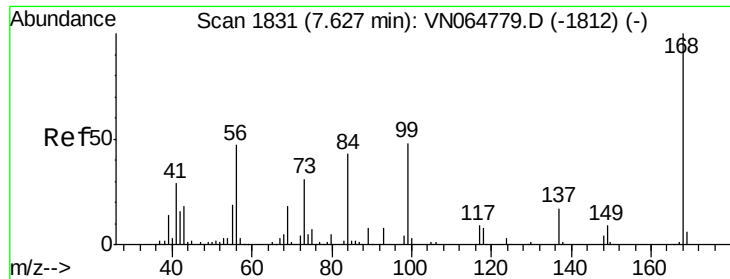
Instrument :
MSVOA_N
ClientSampleId :
16827

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SAM
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Quant Time: Dec 04 03:57:15 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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

16827

Tot Ion:168 Resp: 186677

Ion Ratio Lower Upper

168 100

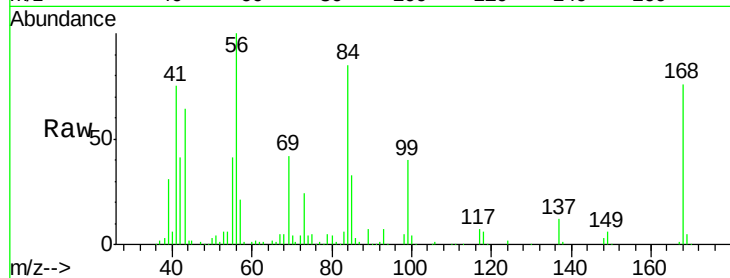
99 51.8 43.0 64.4

Manual Integrations

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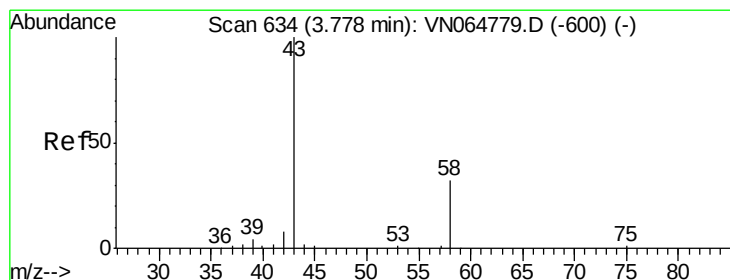
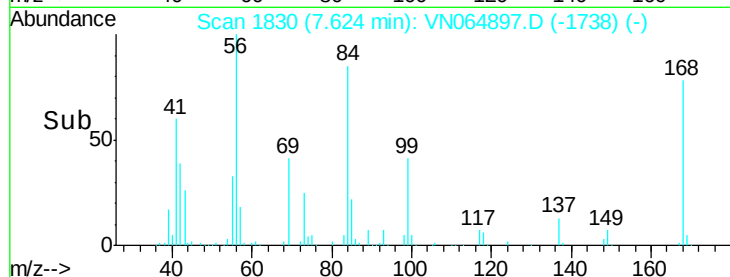
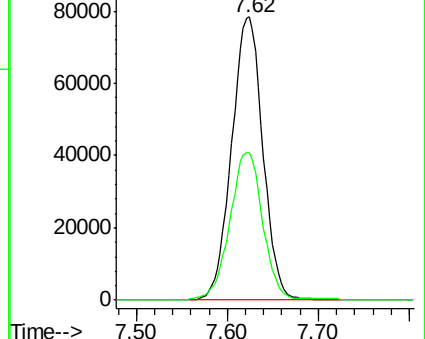
SAM

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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: 11156.065 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064897.D

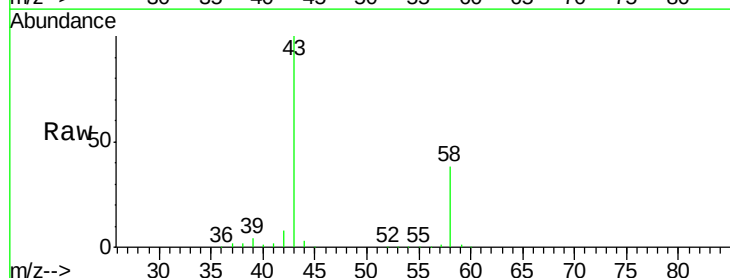
Acq: 3 Dec 2020 14:11

Tgt Ion: 43 Resp: 7958961

Ion Ratio Lower Upper

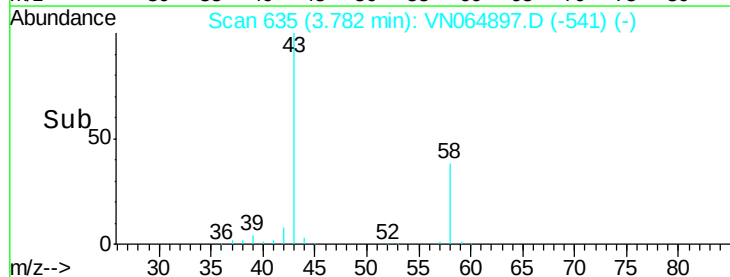
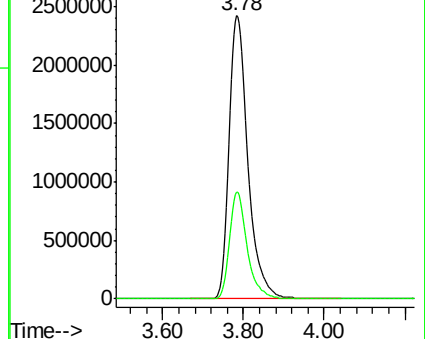
43 100

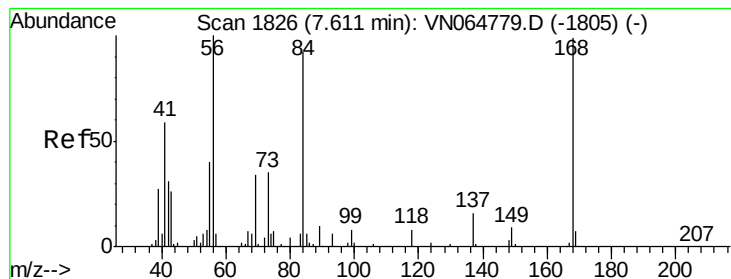
58 37.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#31

Cyclohexane

Concen: 299.190 ug/l

RT: 7.59 min Scan# 1820

Delta R.T. -0.02 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

16827

Tot Ion: 56 Resp: 904990

Ion Ratio Lower Upper

56 100

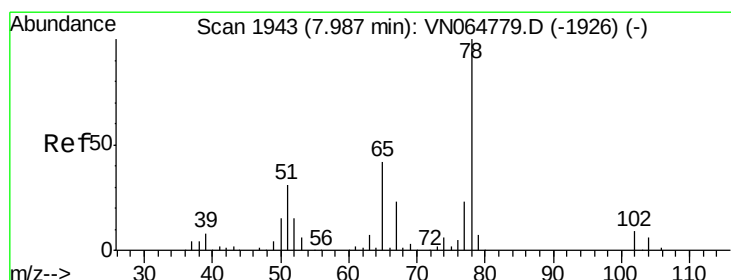
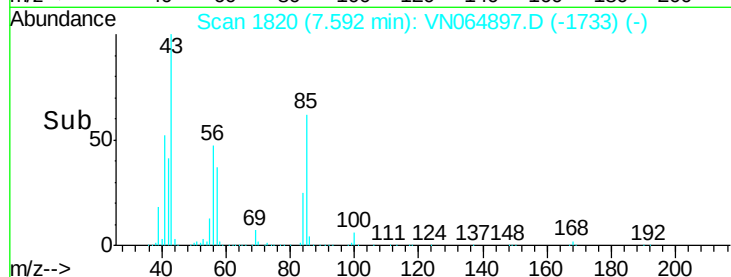
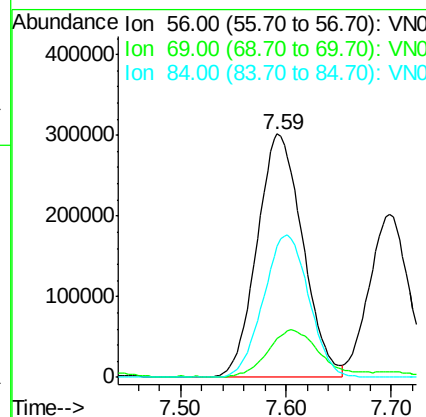
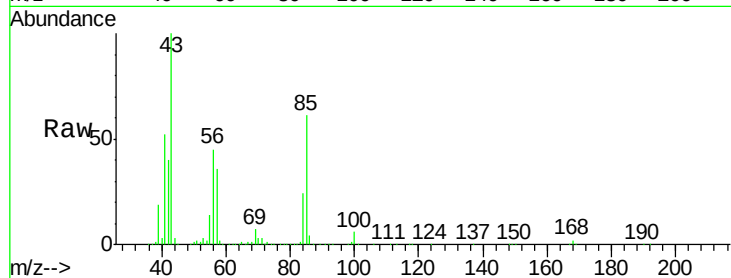
69 15.4 27.5 41.3#

84 54.0 73.9 110.9#

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#33

1,2-Dichloroethane-d4

Concen: 47.215 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064897.D

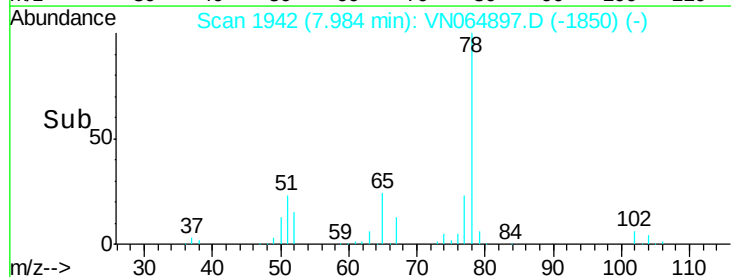
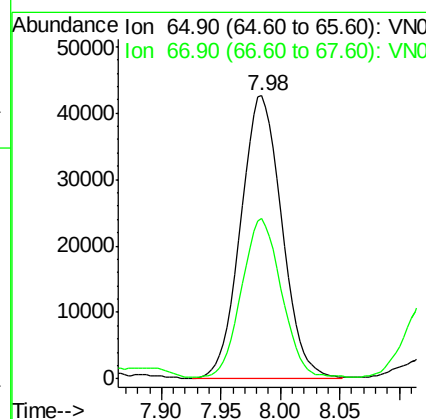
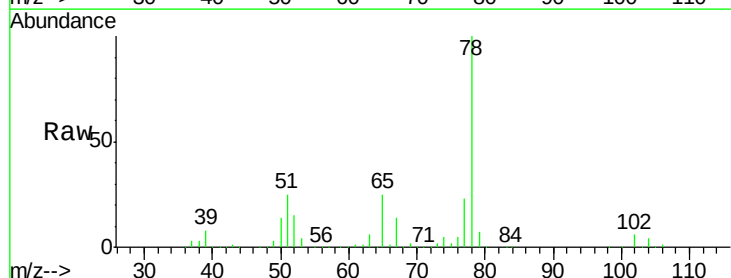
Acq: 3 Dec 2020 14:11

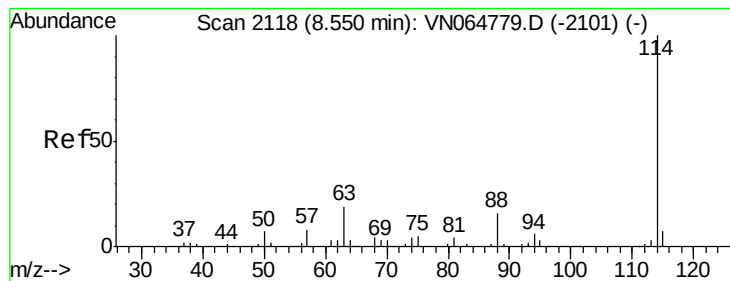
Tgt Ion: 65 Resp: 102468

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

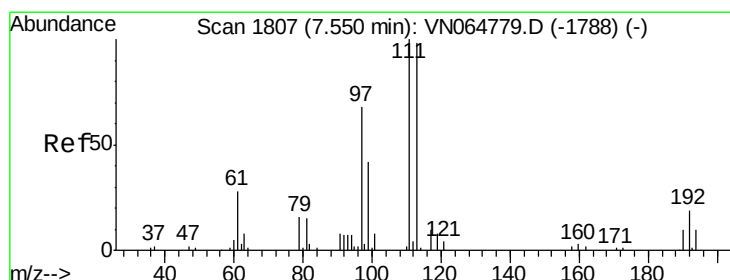
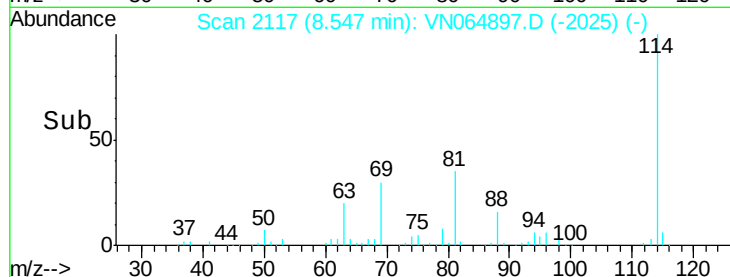
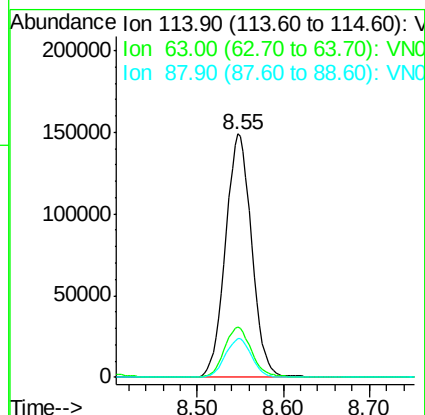
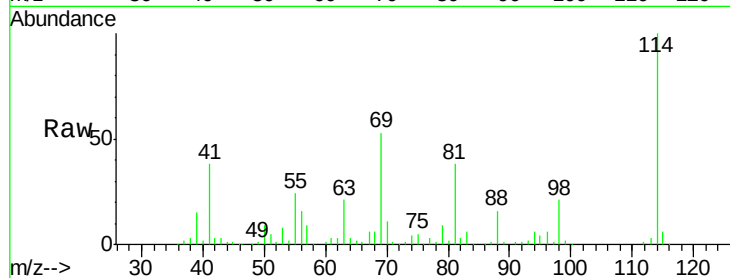
16827

Tot Ion	Ratio	Resp	Lower	Upper
114	100	314791		
63	20.6	0.0	38.6	
88	16.1	0.0	32.6	

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#35

Dibromofluoromethane

Concen: 47.613 ug/l

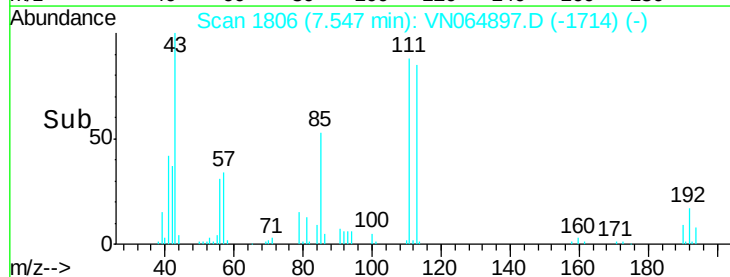
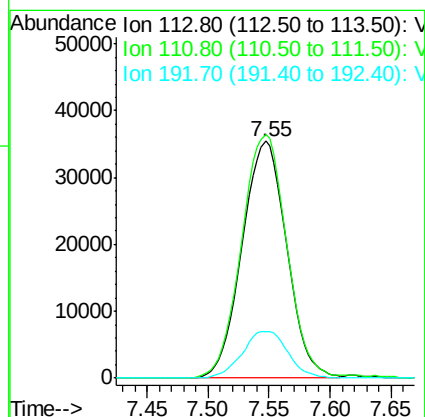
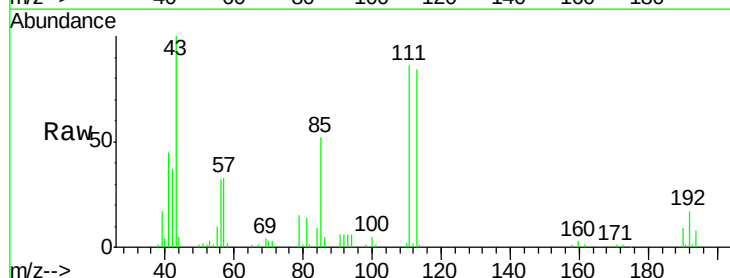
RT: 7.55 min Scan# 1806

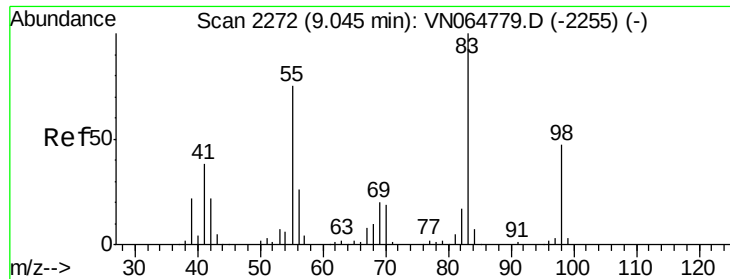
Delta R.T. -0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	89684		
111	104.8	81.6	122.4	
192	20.2	16.2	24.2	





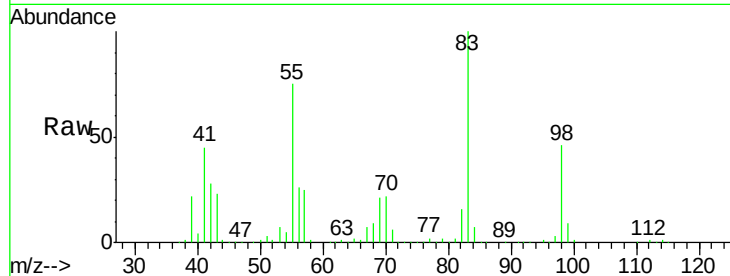
#39
Methylvlcyclohexane
Concen: 408.998 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
16827

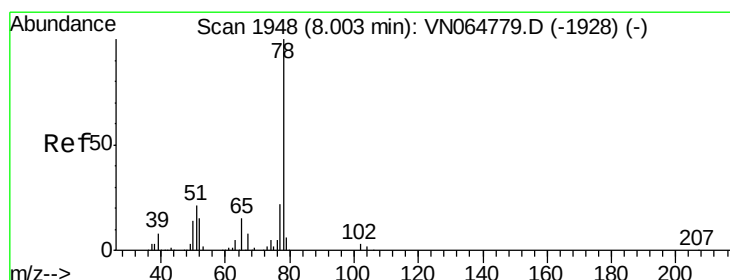
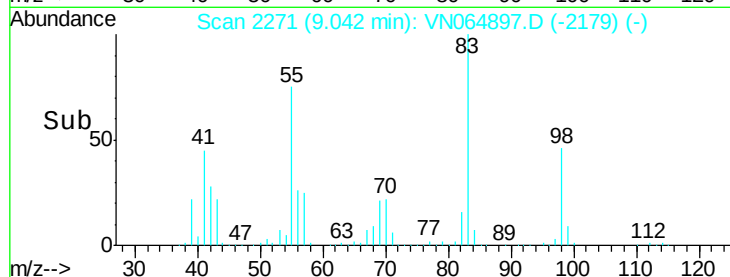
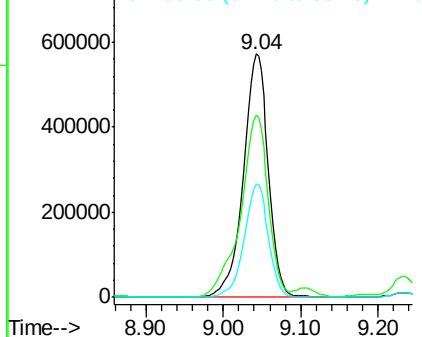
Tot Ion: 83 Resp: 1284669
Ion Ratio Lower Upper
83 100
55 74.8 60.2 90.2
98 46.5 37.4 56.2

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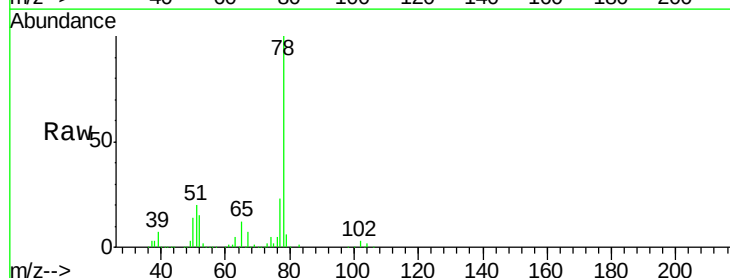


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

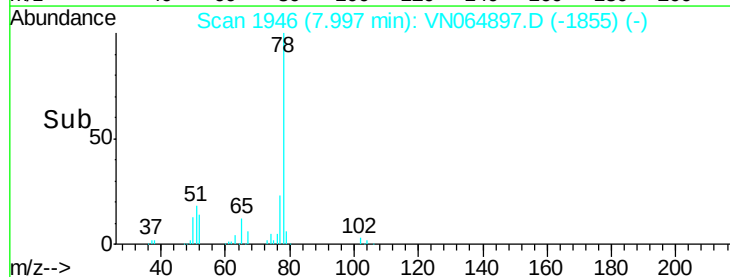
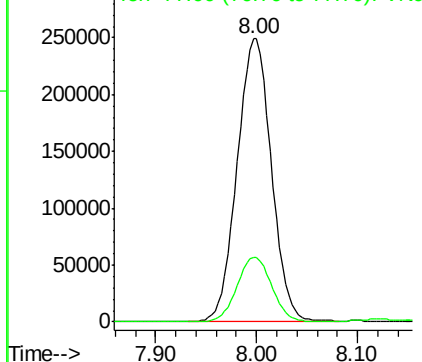


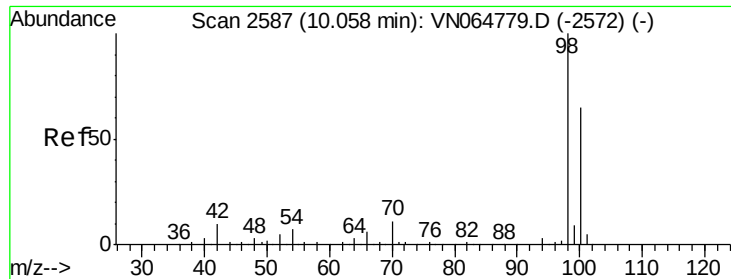
#40
Benzene
Concen: 65.705 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Tgt Ion: 78 Resp: 587475
Ion Ratio Lower Upper
78 100
77 22.9 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 55.403 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

16827

Tot Ion: 98 Resp: 426395

Ion Ratio Lower Upper

98 100

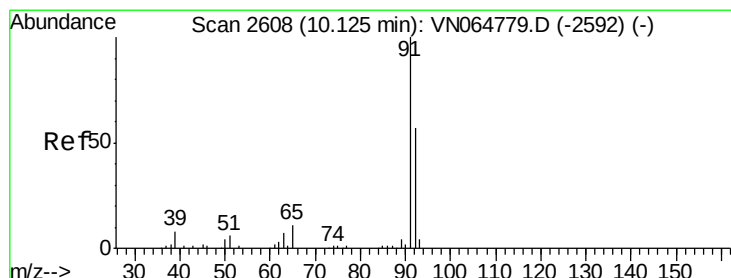
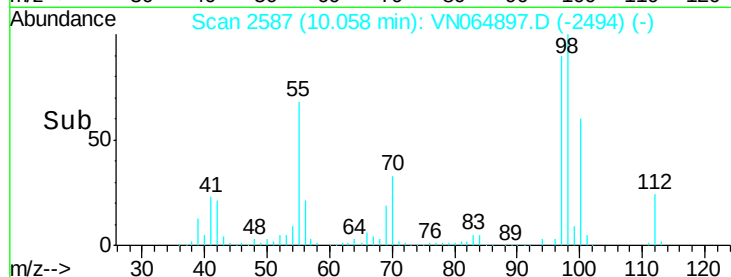
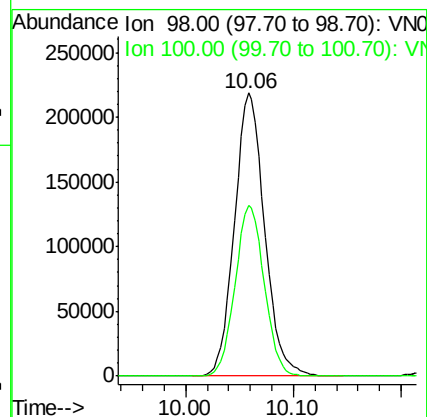
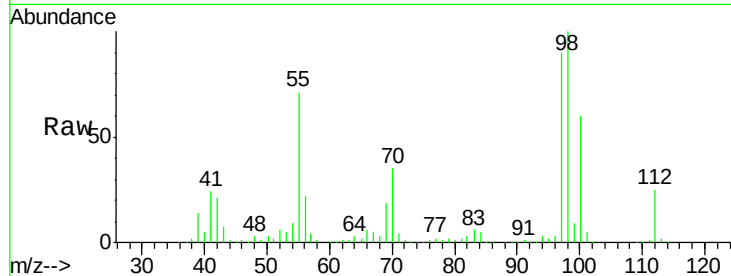
100 58.1 51.7 77.5

Manual Integrations

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#52

Toluene

Concen: 2066.527 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064897.D

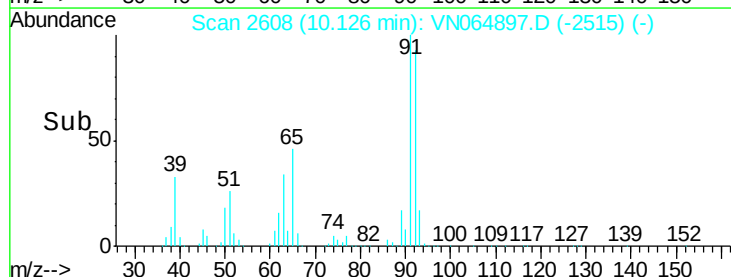
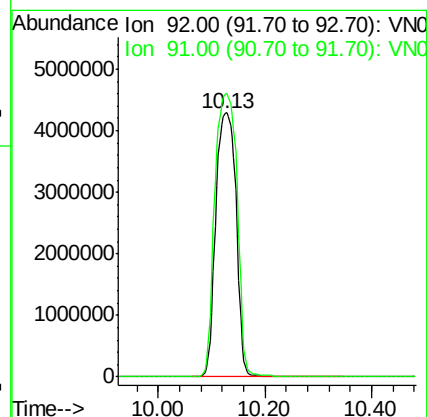
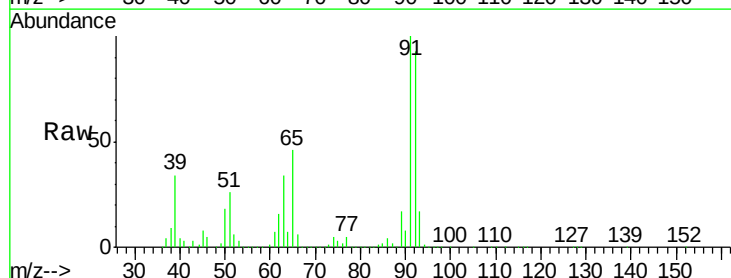
Acq: 3 Dec 2020 14:11

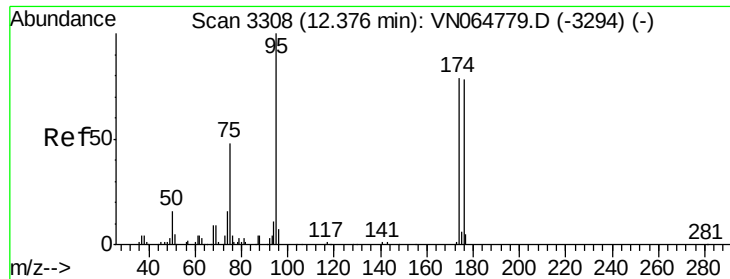
Tgt Ion: 92 Resp: 11378943

Ion Ratio Lower Upper

92 100

91 117.9 139.1 208.7#





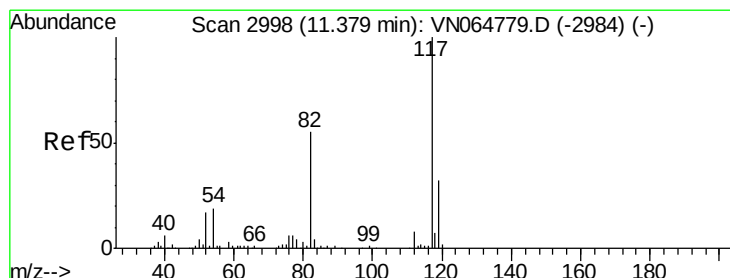
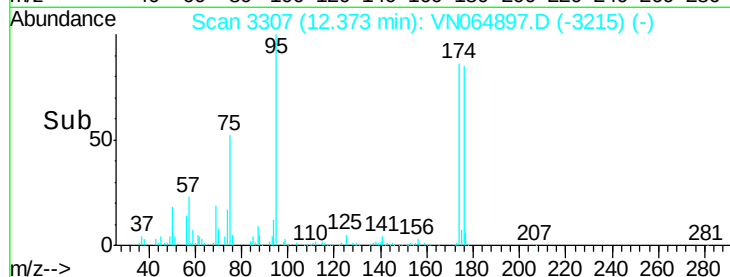
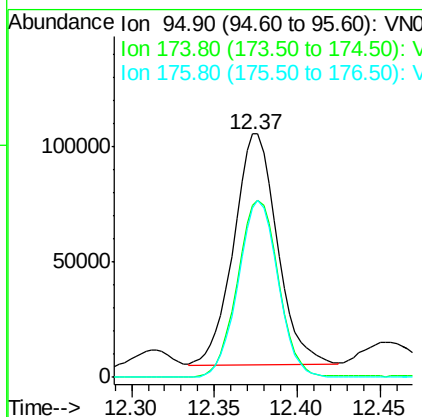
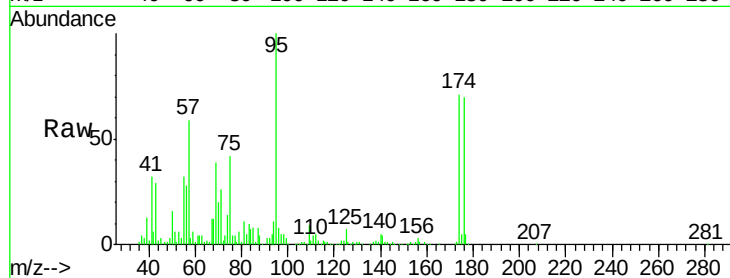
#62
4-Bromofluorobenzene
Concen: 66.248 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
16827

Tot Ion	Ratio	Resp	Lower	Upper
95	100	182470		
174	72.2	0.0	160.4	
176	70.4	0.0	158.4	

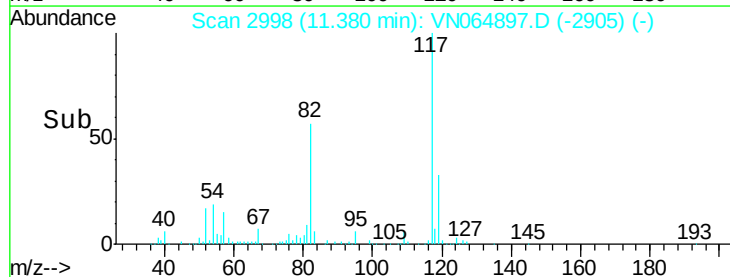
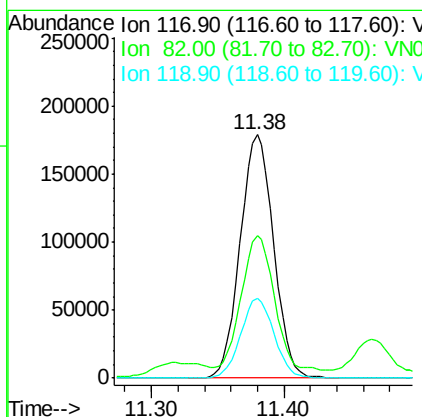
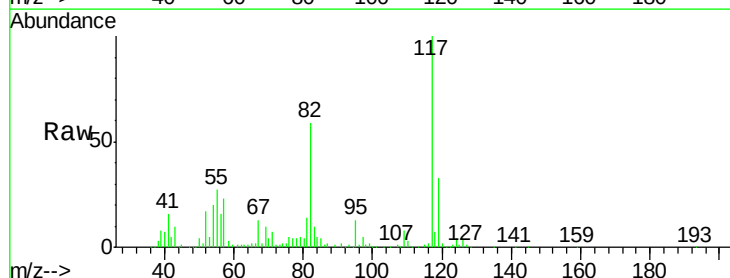
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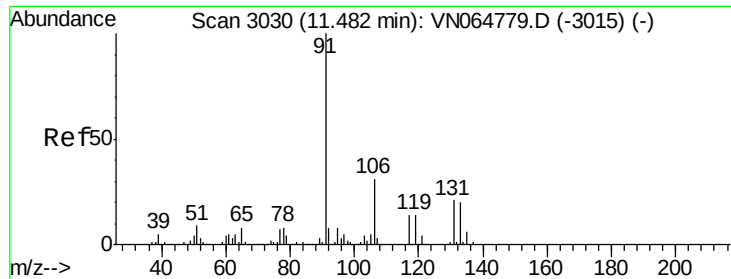
SAM
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	314012		
82	54.9	44.2	66.2	
119	32.8	25.8	38.6	





#67

Ethyl Benzene

Concen: 450.919 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

16827

Tot Ion: 91 Resp: 5079684

Ion Ratio Lower Upper

91 100

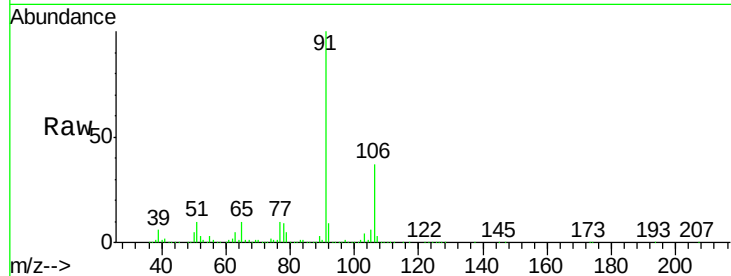
106 37.3 25.2 37.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3015) (-)

Ion 106.00 (105.70 to 106.70): VN064779.D (-3015) (-)

4000000

3000000

2000000

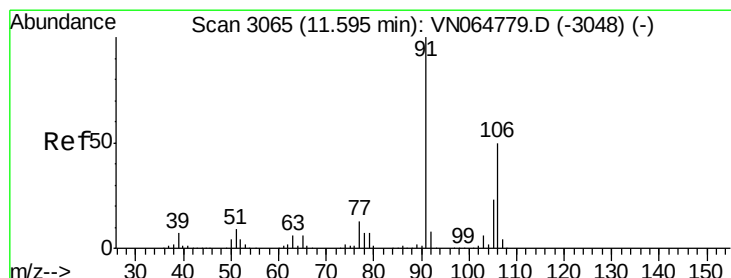
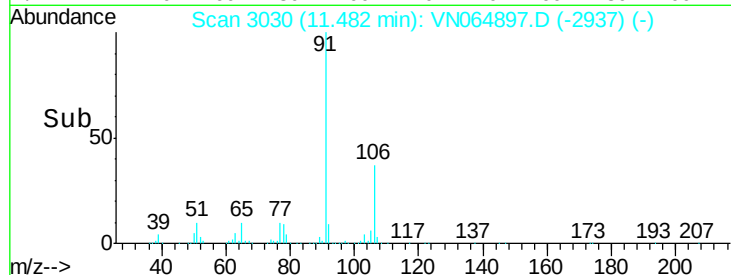
1000000

0

11.40

11.50

Time-->



#68

m/p-Xylenes

Concen: 1674.819 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064897.D

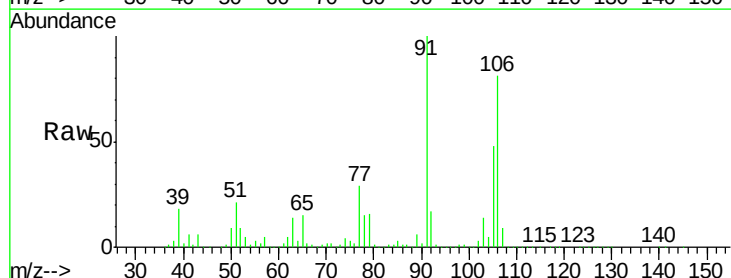
Acq: 3 Dec 2020 14:11

Tgt Ion: 106 Resp: 7143236

Ion Ratio Lower Upper

106 100

91 143.2 161.0 241.4#



Abundance Ion 106.00 (105.70 to 106.70): VN064779.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-3048) (-)

4000000

3000000

2000000

1000000

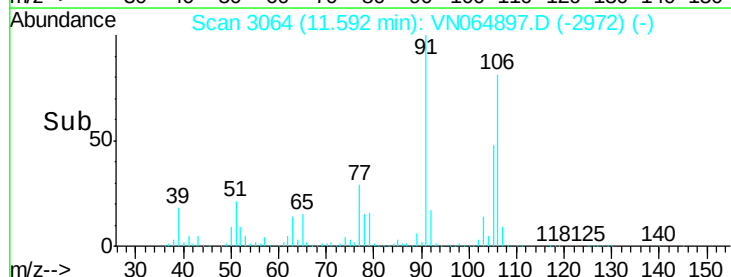
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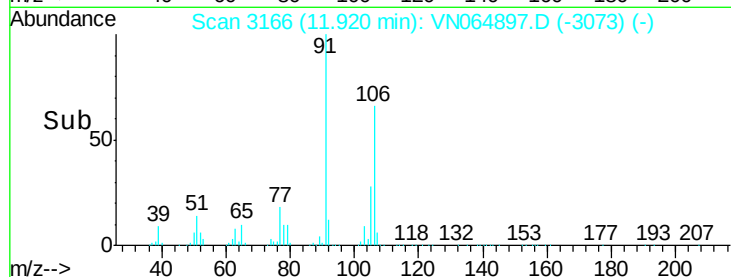
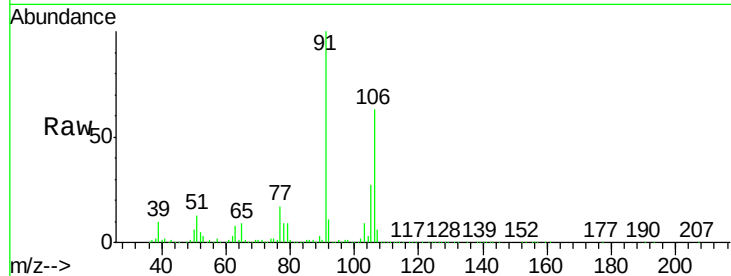
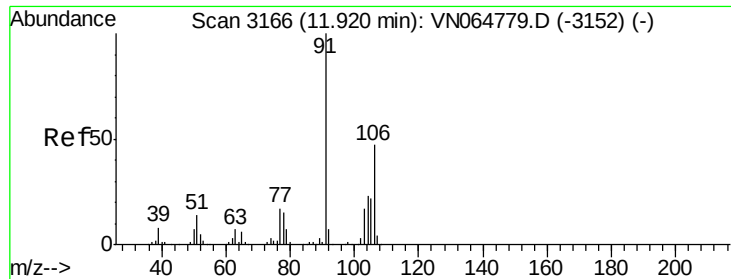
11.50

11.60

11.70

Time-->





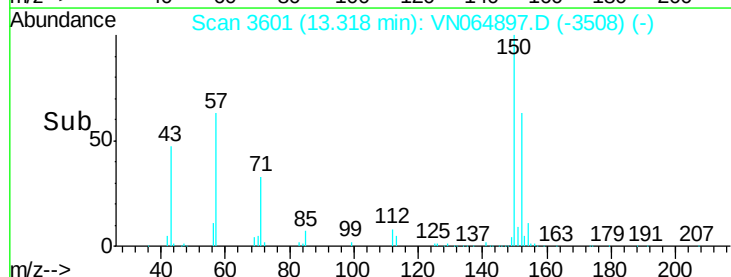
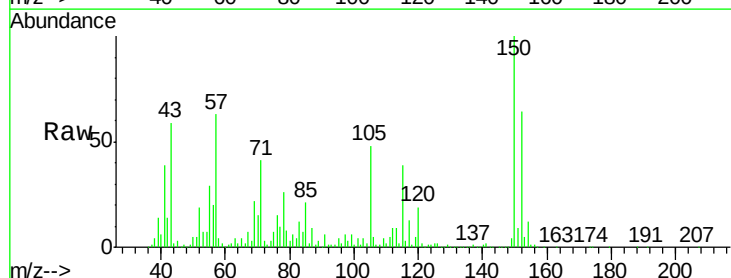
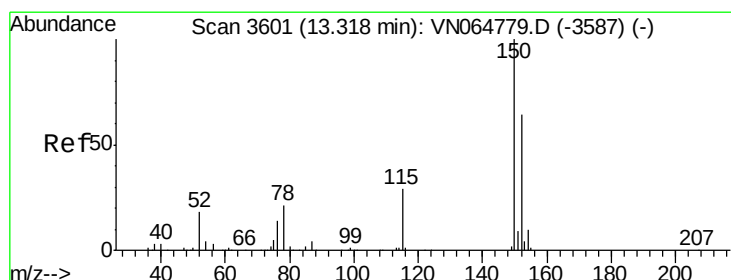
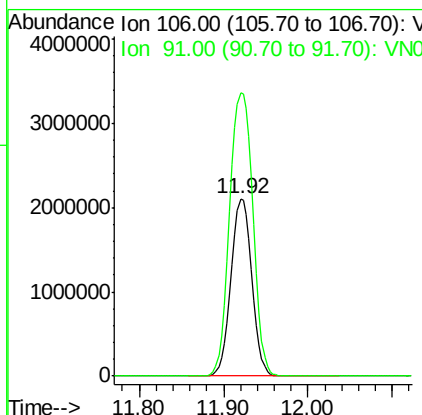
#69
o-Xylene
Concen: 890.934 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Tot Ion:106 Resp: 3605922
Ion Ratio Lower Upper
106 100
91 179.4 105.5 316.5

Instrument :
MSVOA_N
ClientSampled :
16827

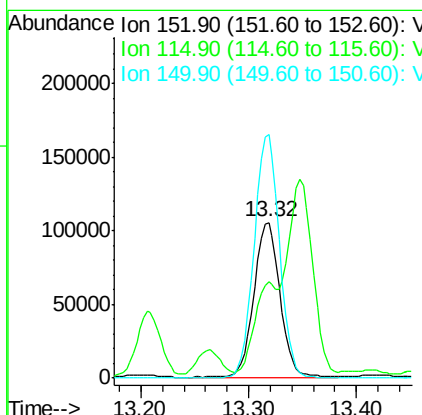
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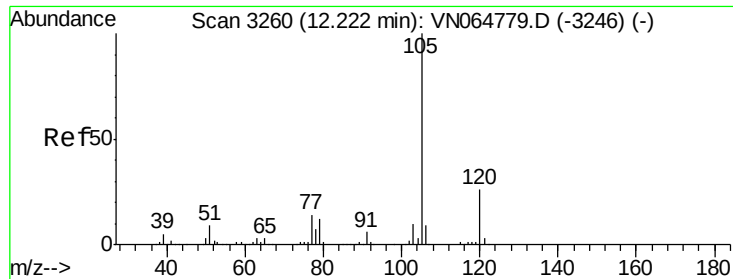
SAM
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064897.D
Acq: 3 Dec 2020 14:11

Tgt Ion:152 Resp: 175407
Ion Ratio Lower Upper
152 100
115 52.9 29.7 89.1
150 152.2 0.0 350.6





#73

Isopropylbenzene

Concen: 65.387 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

16827

Tot Ion:105 Resp: 797769

Ion Ratio Lower Upper

105 100

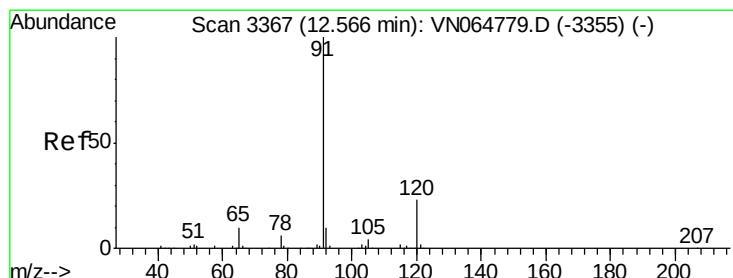
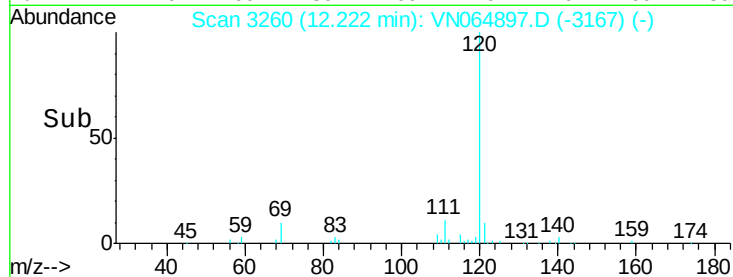
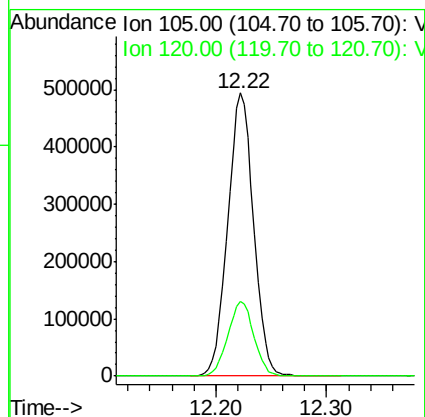
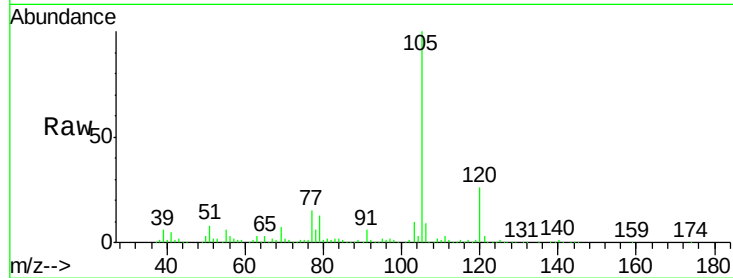
120 26.7 13.3 39.9

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#78

n-propylbenzene

Concen: 281.417 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064897.D

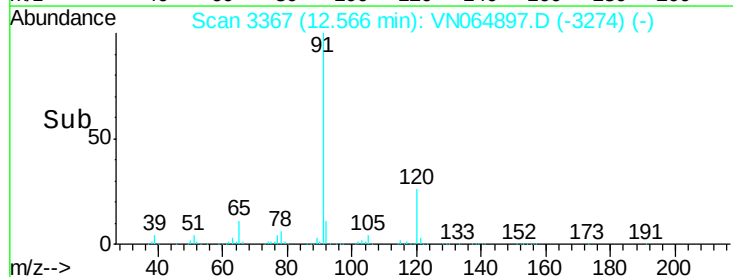
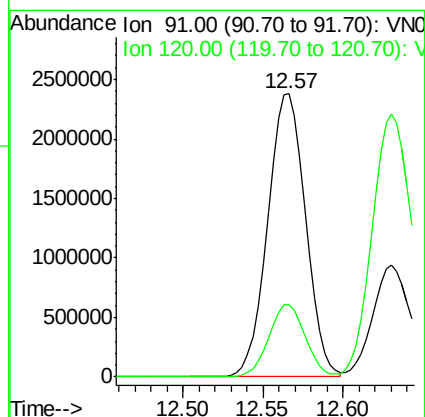
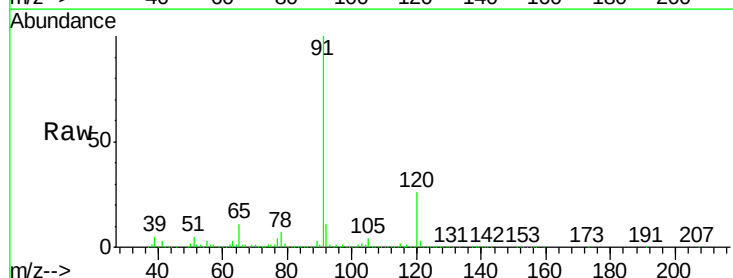
Acq: 3 Dec 2020 14:11

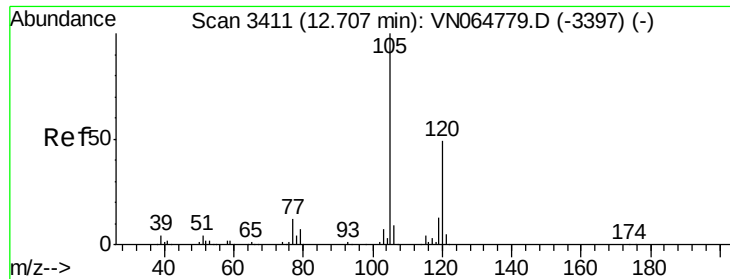
Tgt Ion: 91 Resp: 3911458

Ion Ratio Lower Upper

91 100

120 24.8 11.6 34.7





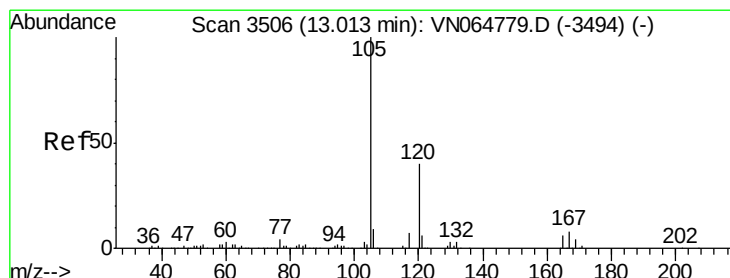
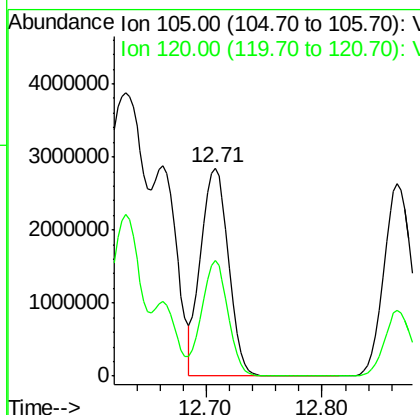
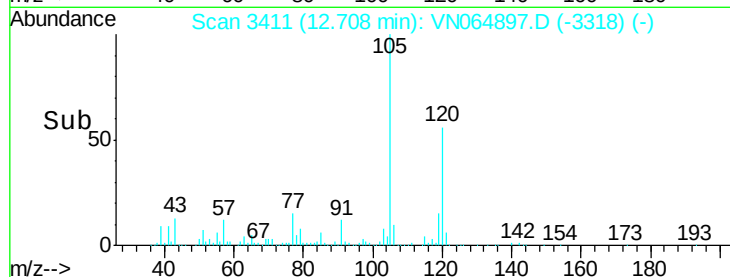
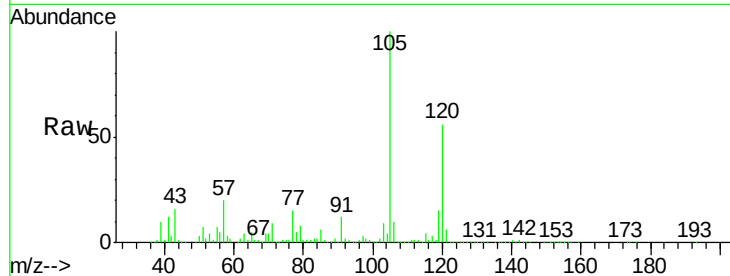
#80
 1,3,5-Trimethylbenzene
 Concen: 468.389 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064897.D
 Acq: 3 Dec 2020 14:11

Instrument :
 MSVOA_N
 ClientSampled :
 16827

Tot Ion:105 Resp: 4750033
 Ion Ratio Lower Upper
 105 100
 120 52.5 24.6 73.6

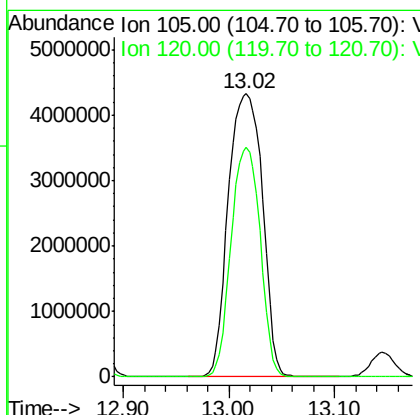
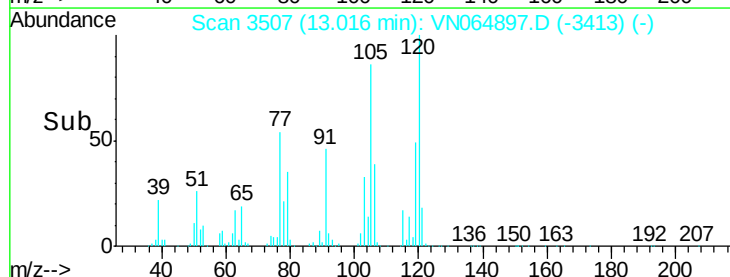
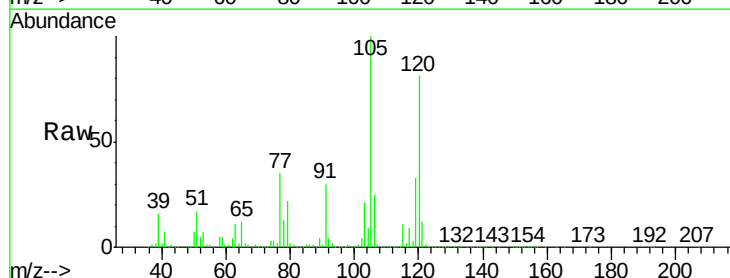
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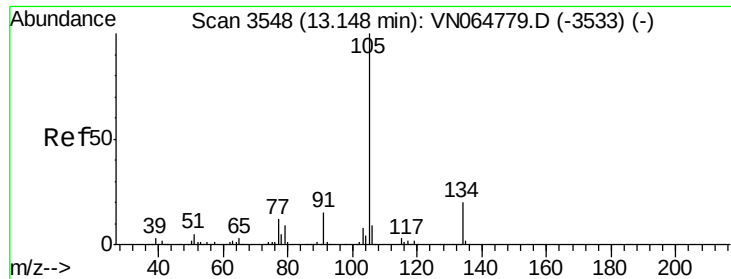
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#84
 1,2,4-Trimethylbenzene
 Concen: 953.092 ug/l m
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064897.D
 Acq: 3 Dec 2020 14:11

Tgt Ion:105 Resp: 9772527
 Ion Ratio Lower Upper
 105 100
 120 14.9 23.1 69.2#





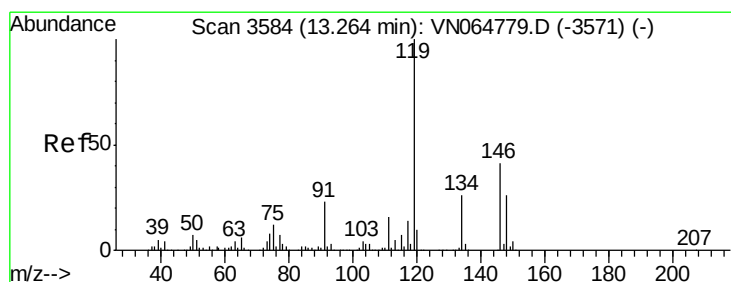
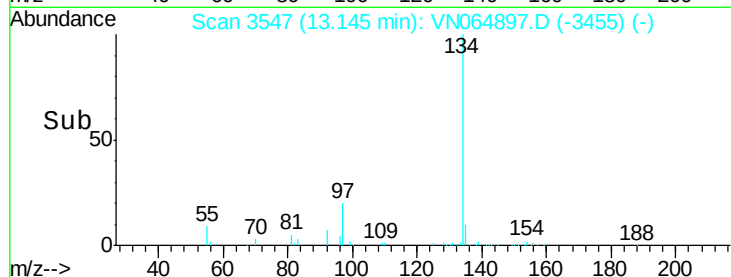
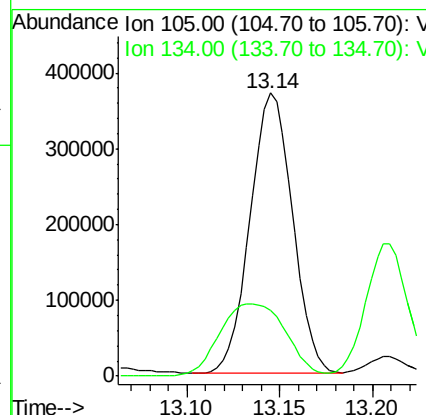
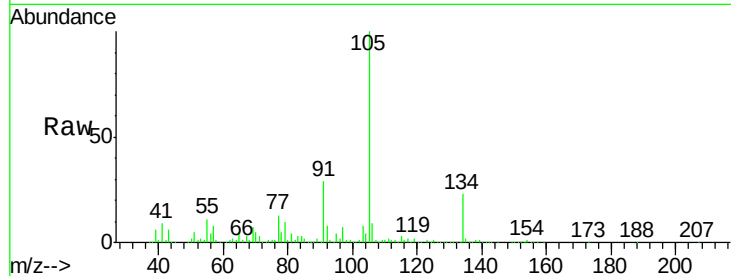
#85
 sec-Butylbenzene
 Concen: 52.132 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064897.D
 Acq: 3 Dec 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 16827

Tot Ion:105 Resp: 588371
 Ion Ratio Lower Upper
 105 100
 134 40.0 10.1 30.1#

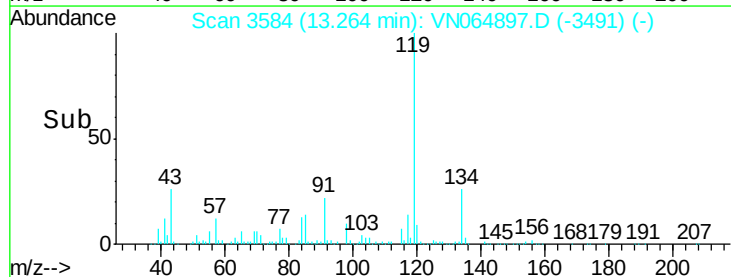
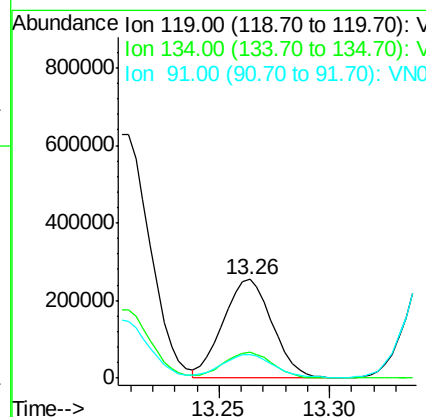
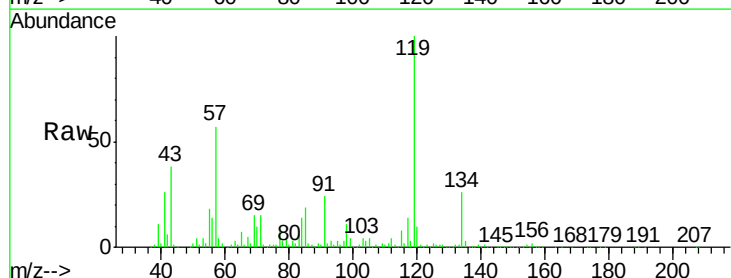
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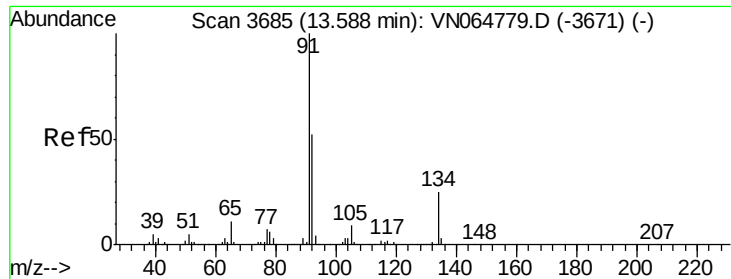
SAM
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#86
 p-Isopropyltoluene
 Concen: 38.045 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064897.D
 Acq: 3 Dec 2020 14:11

Tgt Ion:119 Resp: 390923
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 23.6 11.5 34.5





#89

n-Butylbenzene

Concen: 175.842 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

16827

Tot Ion: 91 Resp: 1586733

Ion Ratio Lower Upper

91 100

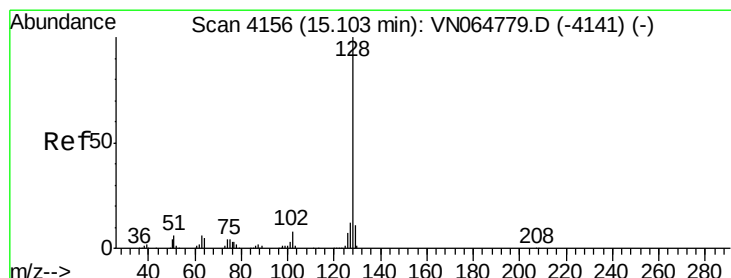
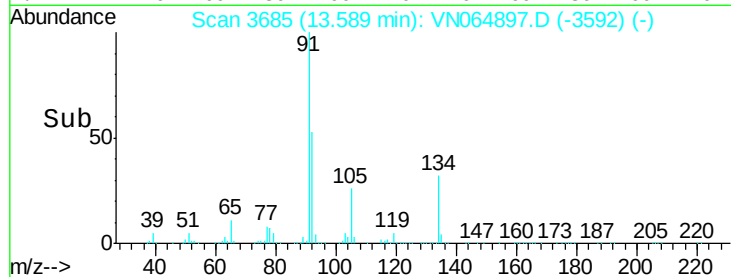
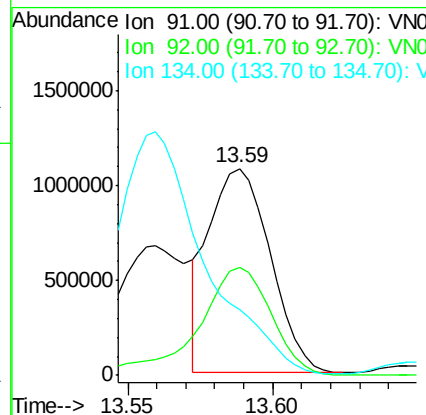
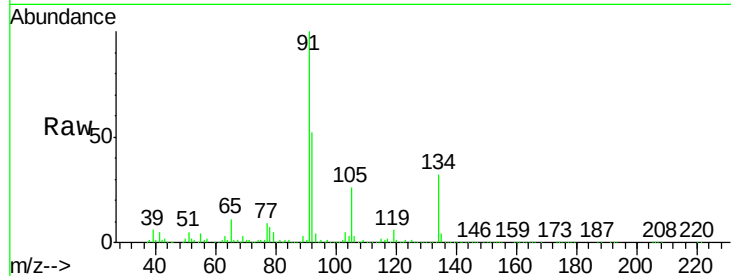
92 62.2 26.0 78.0

134 0.0 12.9 38.6#

Manual Integrations
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SAM

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#95

Naphthalene

Concen: 562.332 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064897.D

Acq: 3 Dec 2020 14:11

Tgt Ion: 128 Resp: 5980098

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 12.6 8.7 13.1

