

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064901.D
 Acq On : 3 Dec 2020 15:50
 Operator : JC/MD
 Sample : L4918-03DL 40X
 Misc : 5.01µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 16827DL

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:04 PM

Quant Time: Dec 04 04:10:06 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	194085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	343405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	350500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108914	48.27	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.54%
35) Dibromofluoromethane	7.55	113	101364	49.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.66%
50) Toluene-d8	10.06	98	424371	50.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.10%
62) 4-Bromofluorobenzene	12.38	95	177479	59.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.14%

Target Compounds

						Qvalue
16) Acetone	3.78	43	203543	274.416	ug/l	98
31) Cyclohexane	7.60	56	22338	7.103	ug/l #	56
39) Methylcyclohexane	9.05	83	25488	7.438	ug/l	99
40) Benzene	8.00	78	14908	1.528	ug/l	100
52) Toluene	10.12	92	591269	98.433	ug/l	99
67) Ethyl Benzene	11.48	91	138116	10.984	ug/l	98
68) m/p-Xylenes	11.59	106	226521	47.582	ug/l	100
69) o-Xylene	11.92	106	94126	20.835	ug/l	97
73) Isopropylbenzene	12.22	105	20130	1.696	ug/l	100
78) n-propylbenzene	12.56	91	97638	7.223	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	130507	13.232	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	512399	51.381	ug/l	99
85) sec-Butylbenzene	13.14	105	13724m	1.250	ug/l	
86) p-Isopropyltoluene	13.26	119	8786	0.879	ug/l	97
89) n-Butylbenzene	13.59	91	35583	4.054	ug/l #	77
95) Naphthalene	15.10	128	142923	13.818	ug/l	99

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

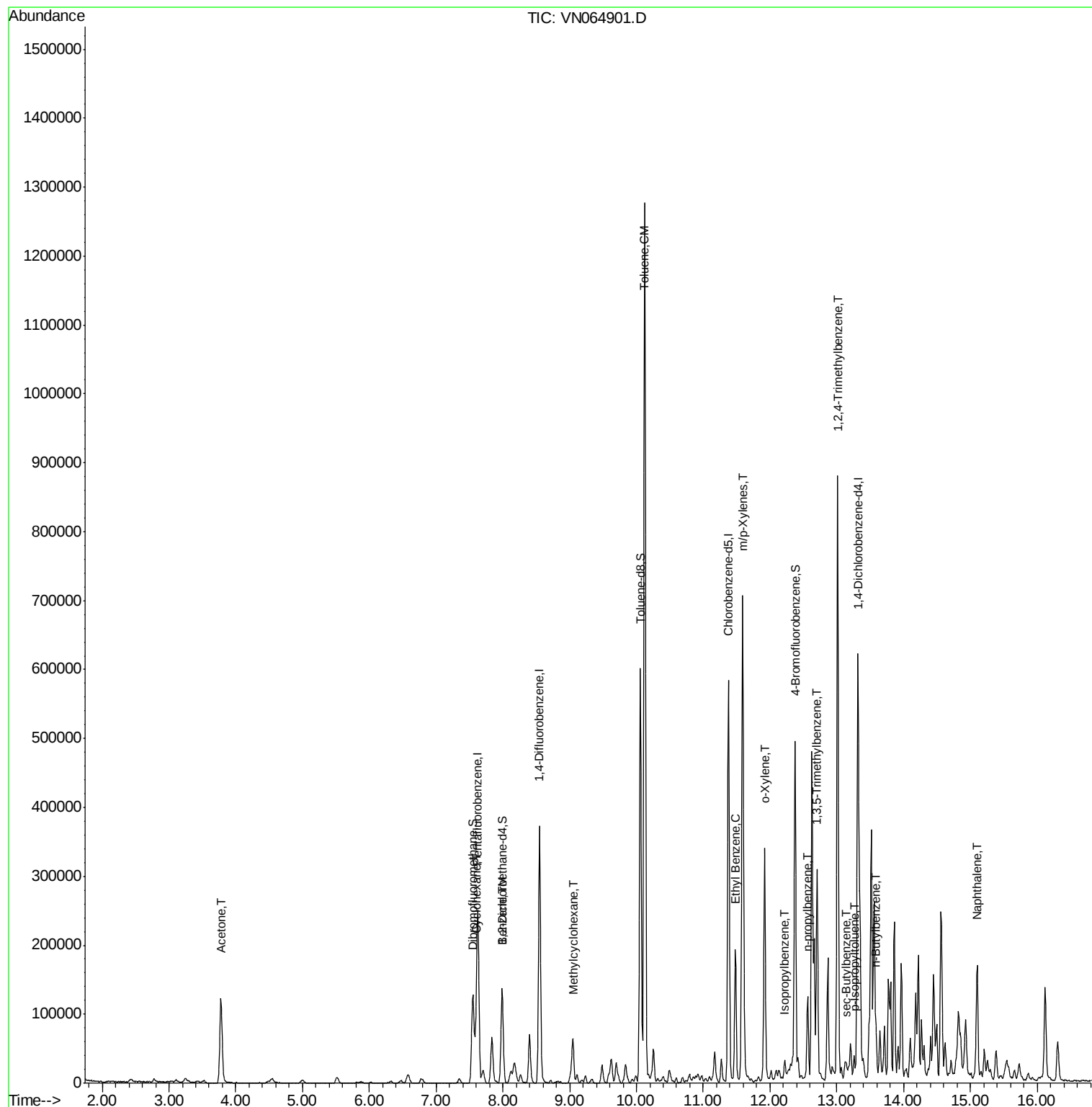
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064901.D
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Quant Time: Dec 04 04:10:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

16827DL

Tot Ion:168 Resp: 194085

Ion Ratio Lower Upper

168 100

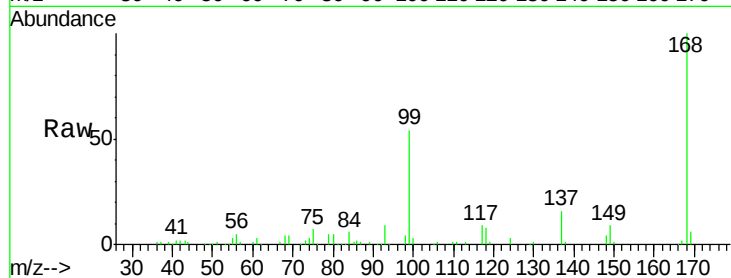
99 54.3 43.0 64.4

Manual Integrations

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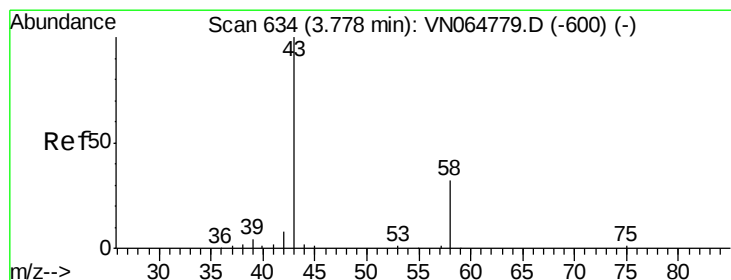
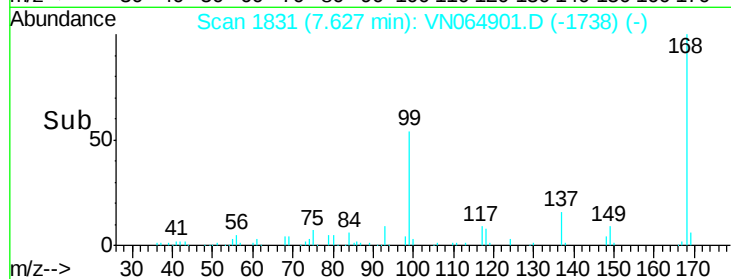
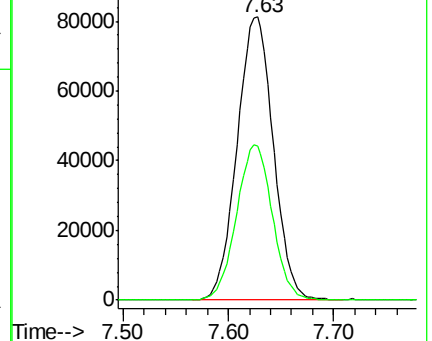
SAM

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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: 274.416 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064901.D

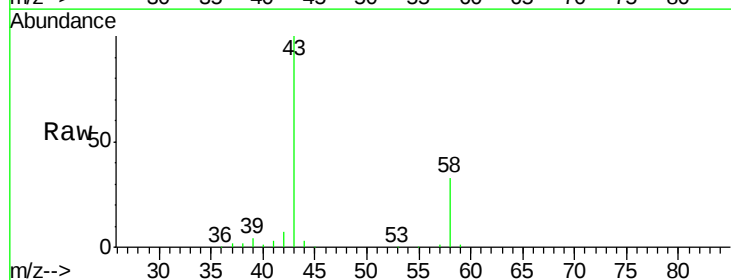
Acq: 3 Dec 2020 15:50

Tgt Ion: 43 Resp: 203543

Ion Ratio Lower Upper

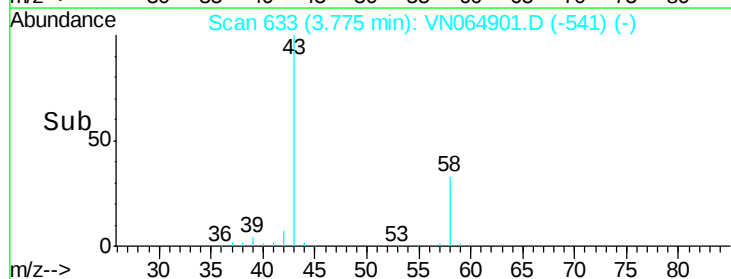
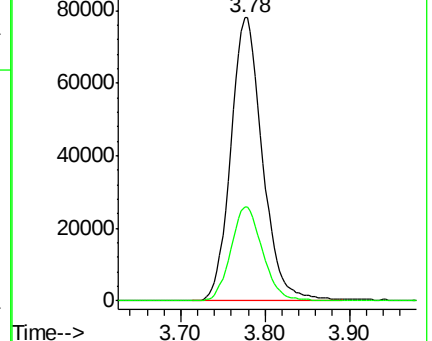
43 100

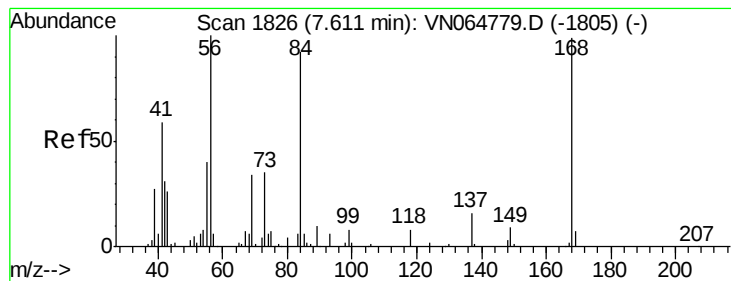
58 33.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#31

Cyclohexane

Concen: 7.103 ug/l

RT: 7.60 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

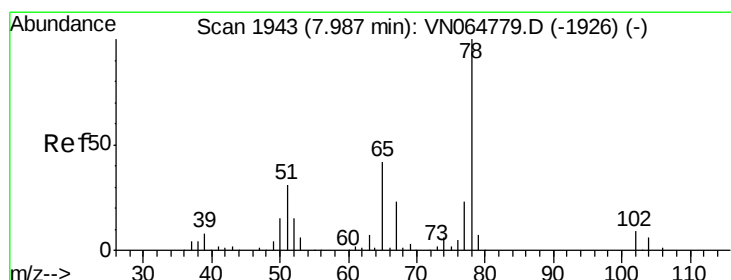
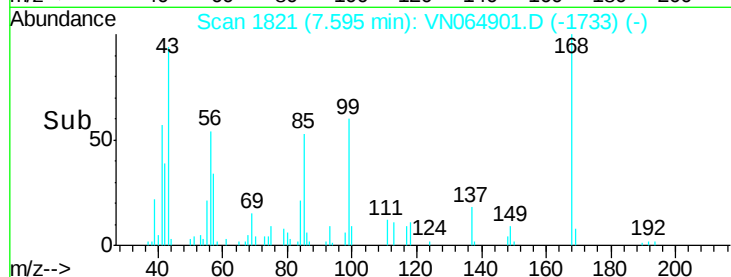
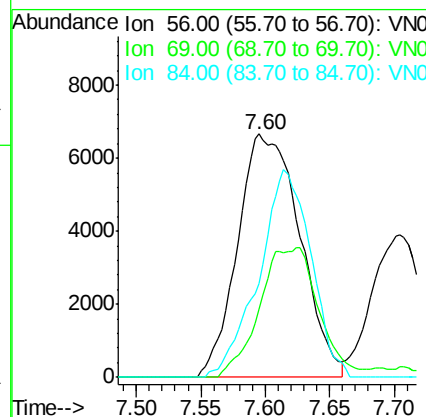
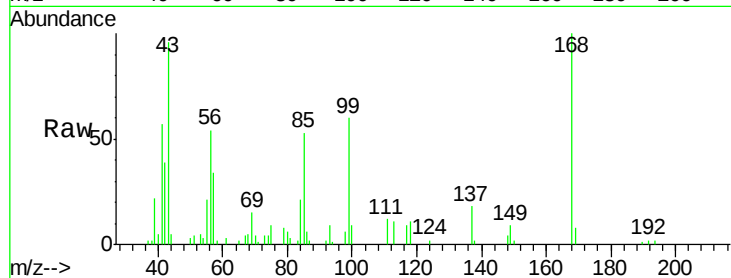
16827DL

Tot Ion:	56	Resp:	22338
Ion Ratio	Lower	Upper	
56	100		
69	27.9	27.5	41.3
84	38.8	73.9	110.9#

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#33

1,2-Dichloroethane-d4

Concen: 48.270 ug/l

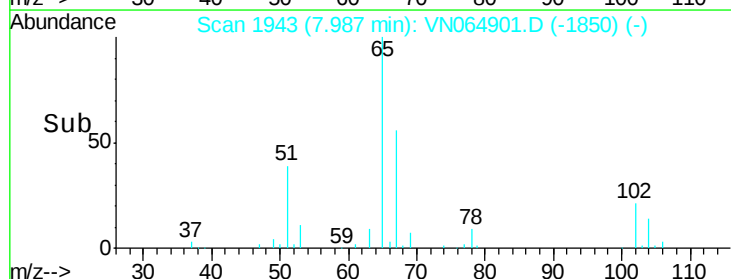
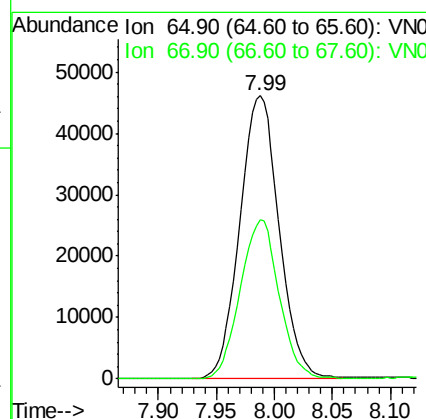
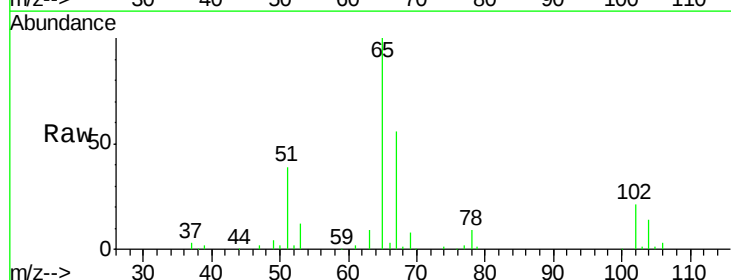
RT: 7.99 min Scan# 1943

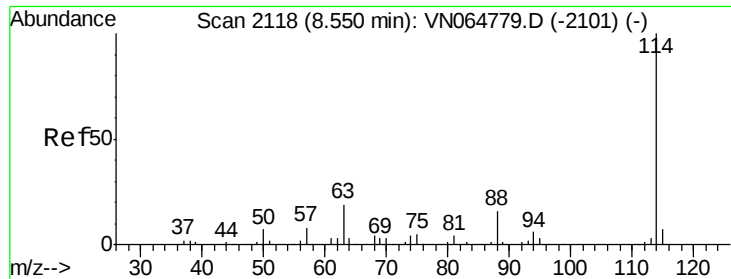
Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Tgt Ion:	65	Resp:	108914
Ion Ratio	Lower	Upper	
65	100		
67	55.4	0.0	108.2





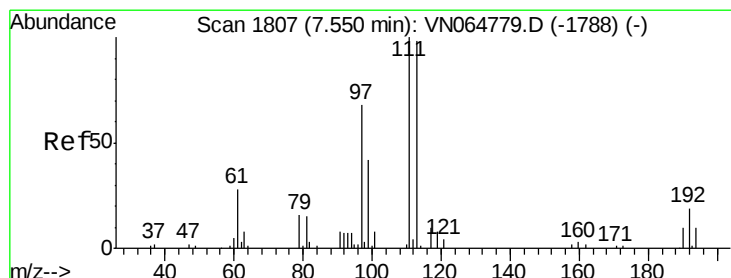
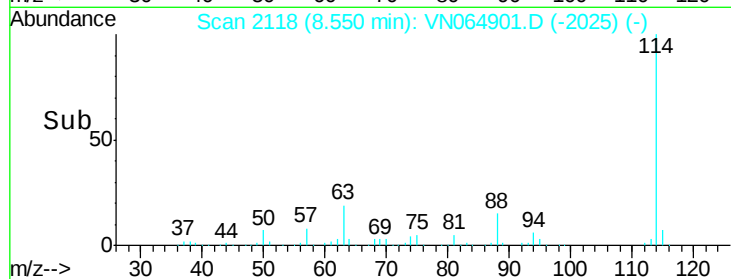
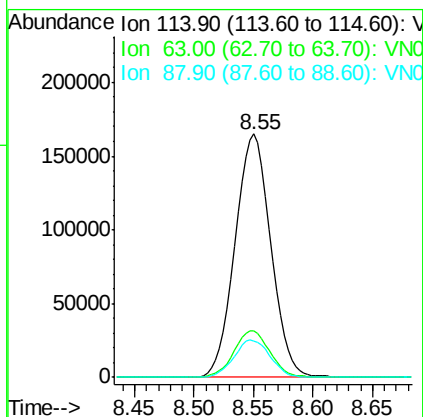
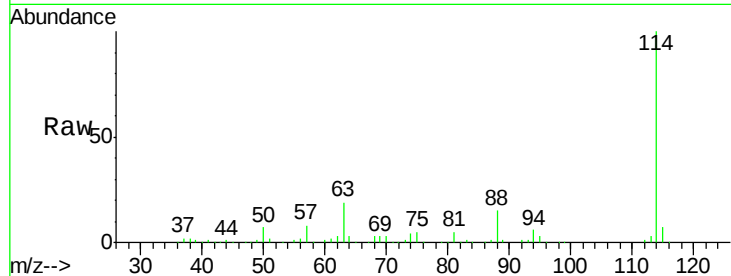
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
16827DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.0	0.0	38.6
88	15.2	0.0	32.6

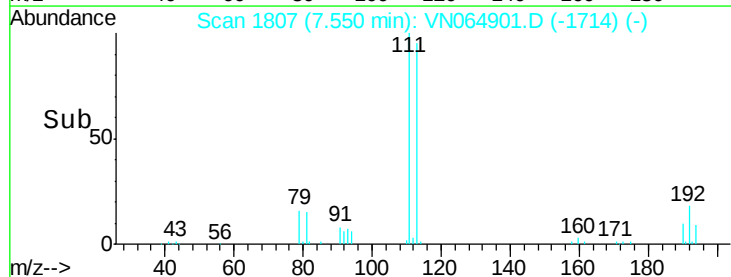
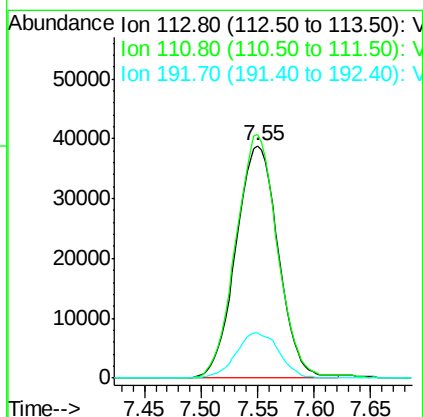
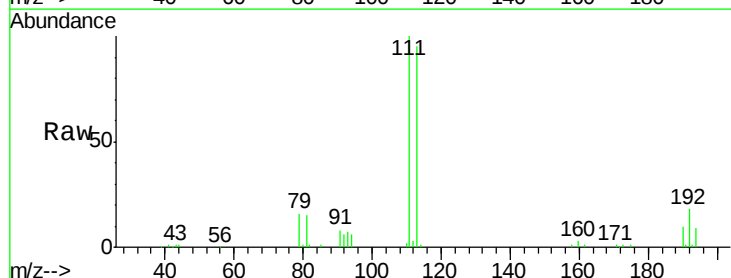
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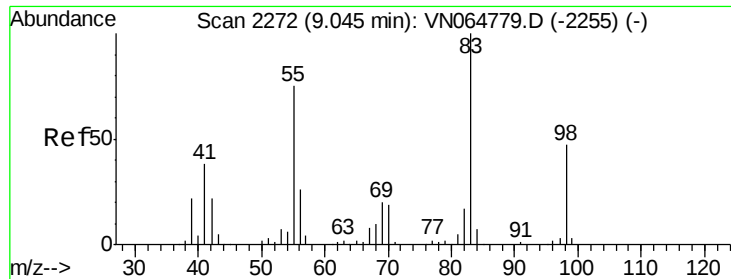
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#35
Dibromofluoromethane
Concen: 49.330 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.5	81.6	122.4
192	19.8	16.2	24.2





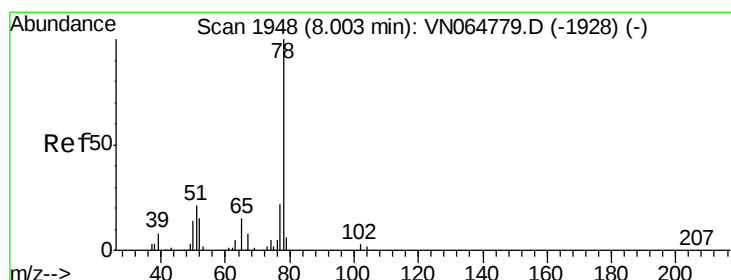
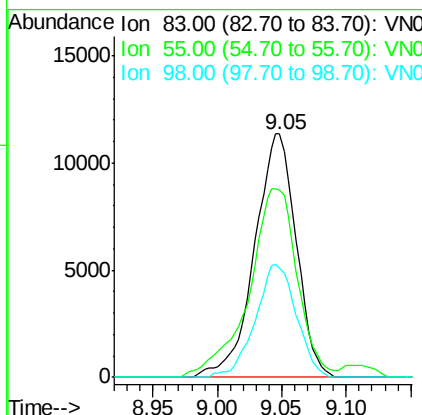
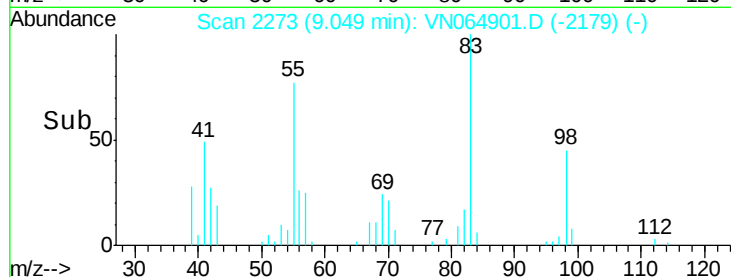
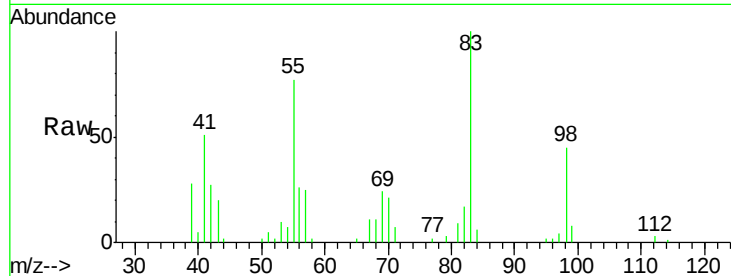
#39
Methvlcvclohexane
Concen: 7.438 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
16827DL

Tot Ion	83	Resp	25488
Ion Ratio	100	Lower	Upper
83	100		
55	74.9	60.2	90.2
98	44.7	37.4	56.2

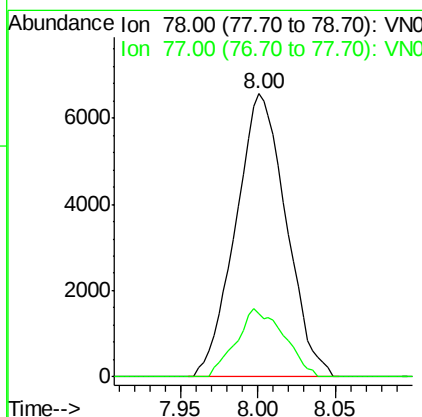
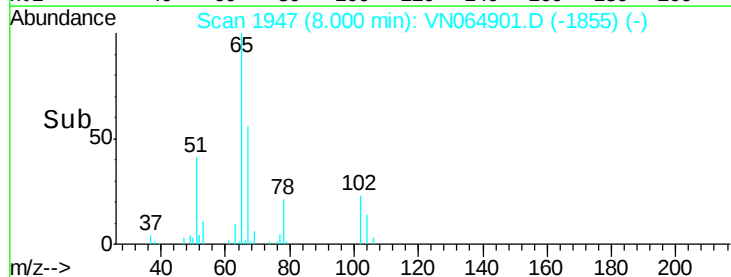
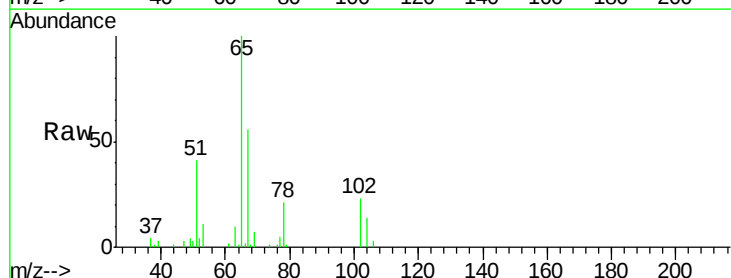
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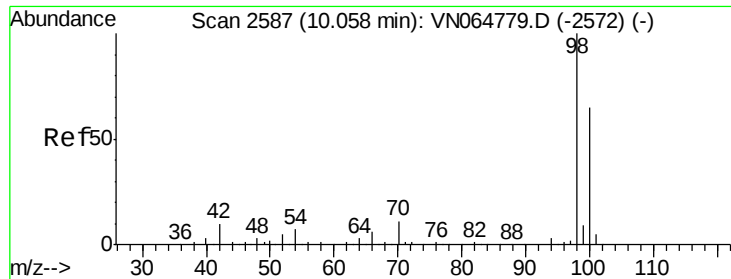
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#40
Benzene
Concen: 1.528 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Tgt Ion	78	Resp	14908
Ion Ratio	100	Lower	Upper
78	100		
77	22.3	17.9	26.9





#50

Toluene-d8

Concen: 50.545 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

16827DL

Tot Ion: 98 Resp: 424371

Ion Ratio Lower Upper

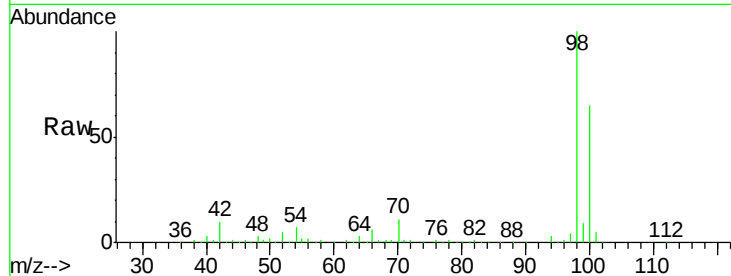
98 100

100 64.7 51.7 77.5

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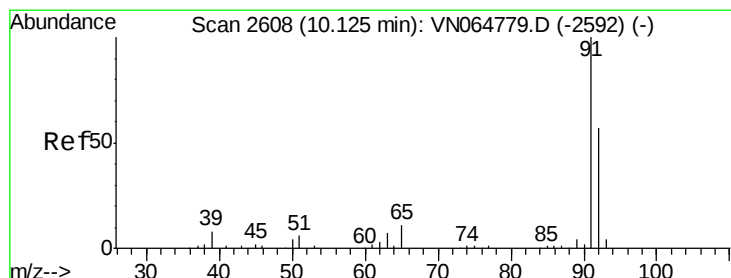
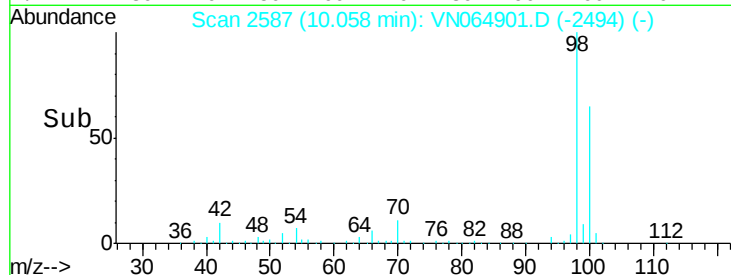
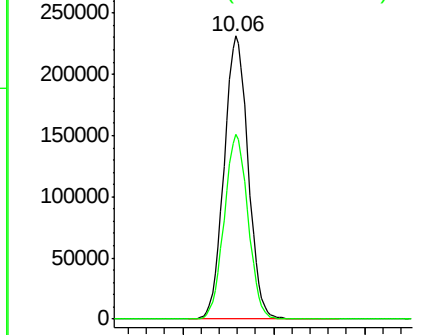
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 98.433 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064901.D

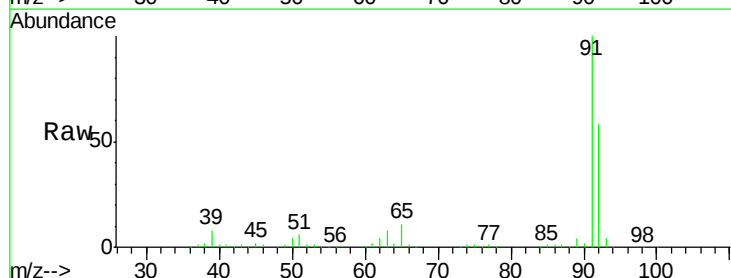
Acq: 3 Dec 2020 15:50

Tgt Ion: 92 Resp: 591269

Ion Ratio Lower Upper

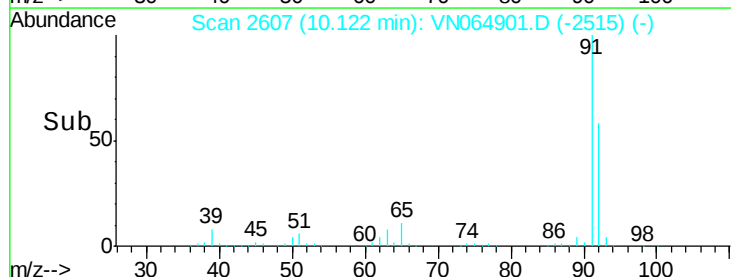
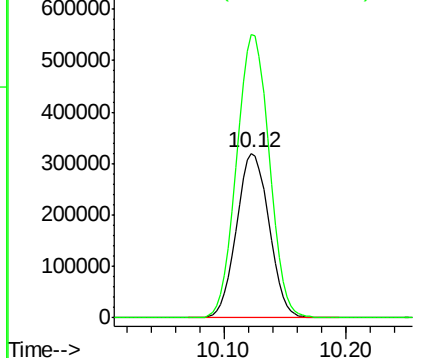
92 100

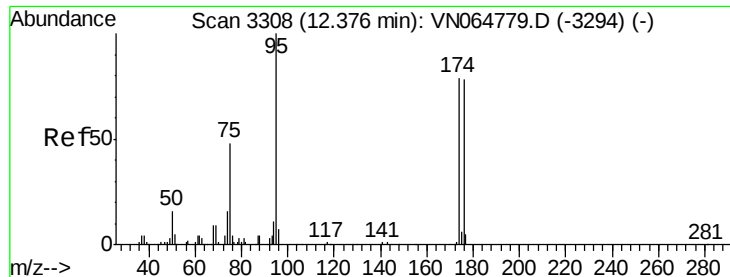
91 173.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





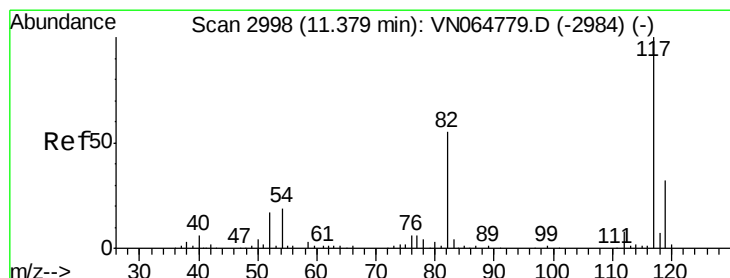
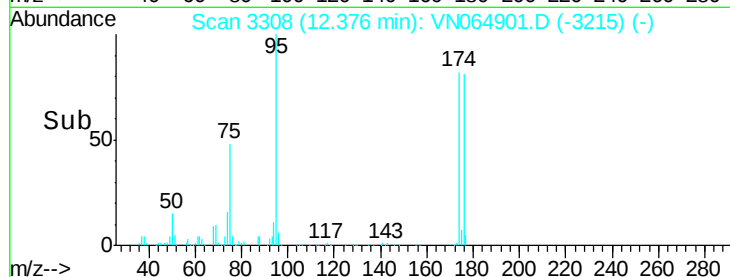
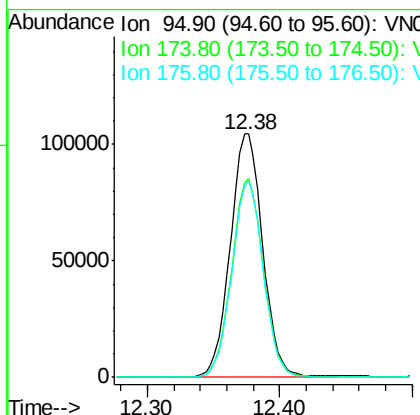
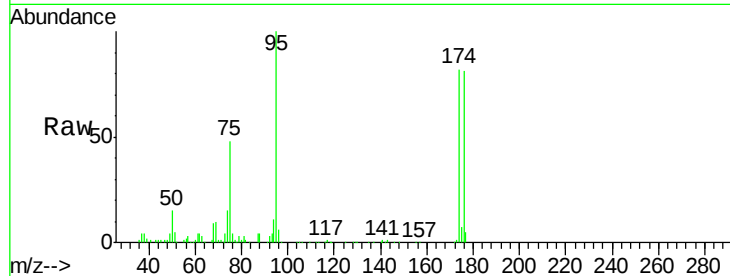
#62
4-Bromofluorobenzene
Concen: 59.067 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
16827DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	177479		
174	80.1	0.0	160.4	
176	78.3	0.0	158.4	

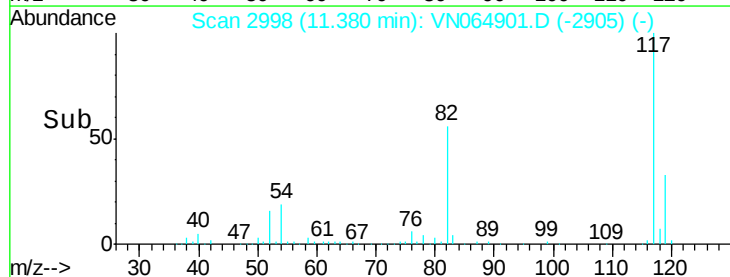
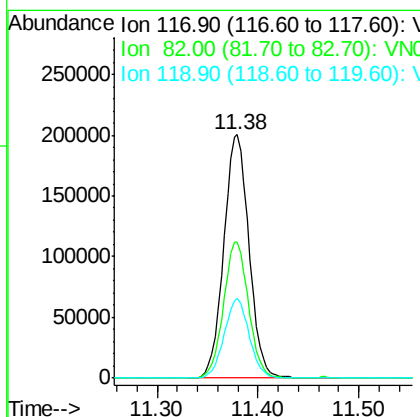
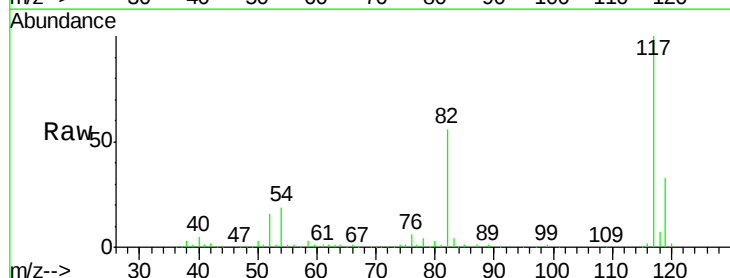
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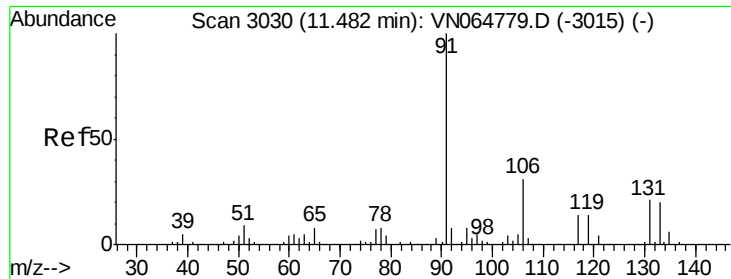
SAM
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	350500		
82	55.6	44.2	66.2	
119	32.6	25.8	38.6	





#67

Ethyl Benzene

Concen: 10.984 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

16827DL

Tot Ion: 91 Resp: 138116

Ion Ratio Lower Upper

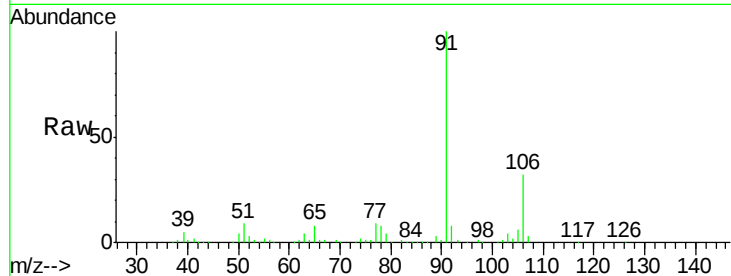
91 100

106 32.5 25.2 37.8

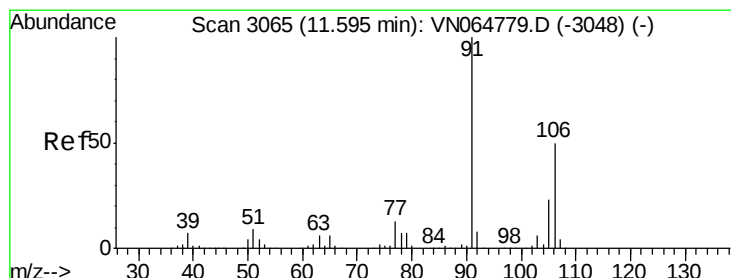
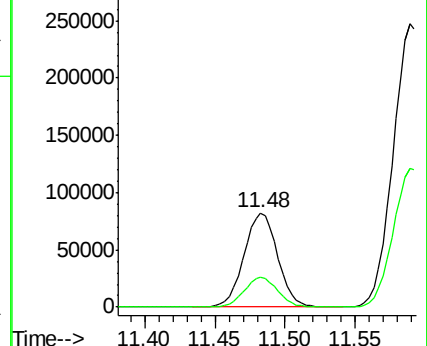
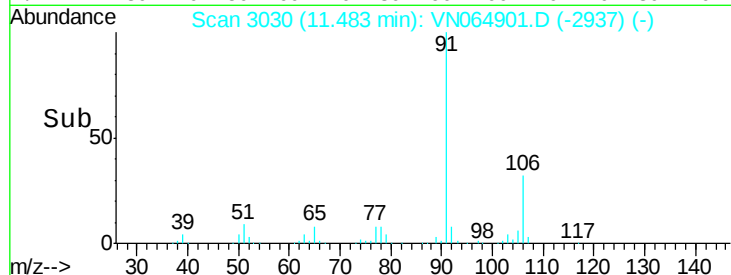
Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN064901.D (-2937) (-)



#68

m/p-Xylenes

Concen: 47.582 ug/l

RT: 11.59 min Scan# 3063

Delta R.T. -0.01 min

Lab File: VN064901.D

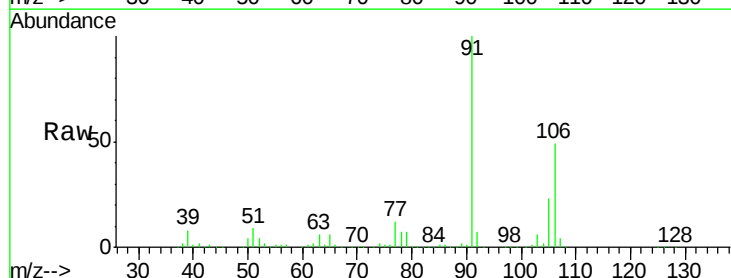
Acq: 3 Dec 2020 15:50

Tgt Ion: 106 Resp: 226521

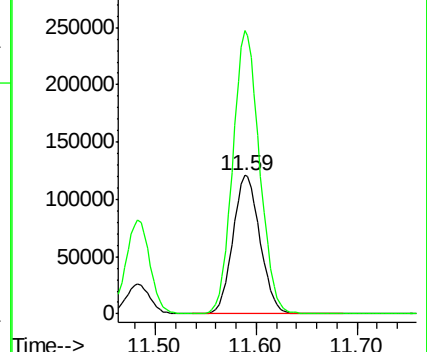
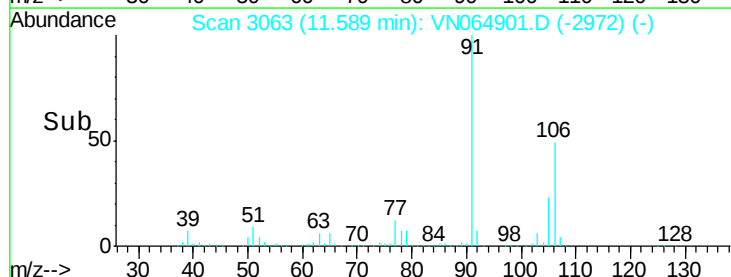
Ion Ratio Lower Upper

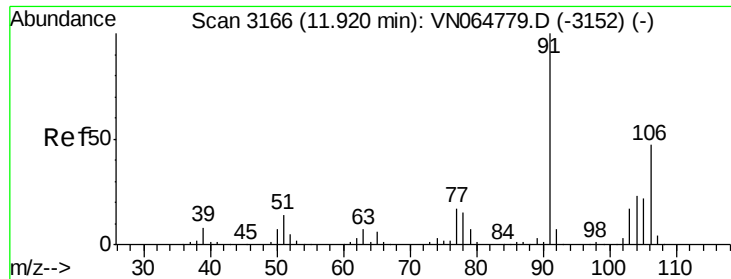
106 100

91 201.2 161.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): VN064901.D (-2972) (-)





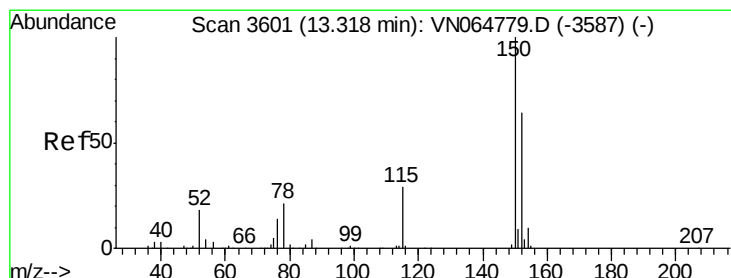
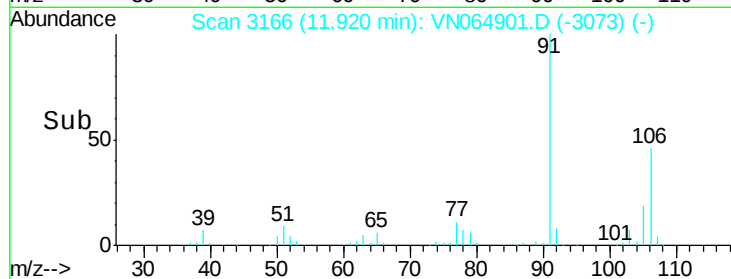
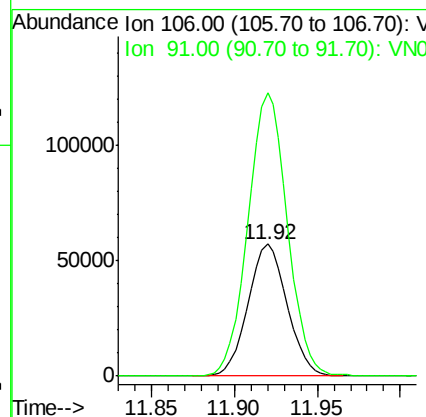
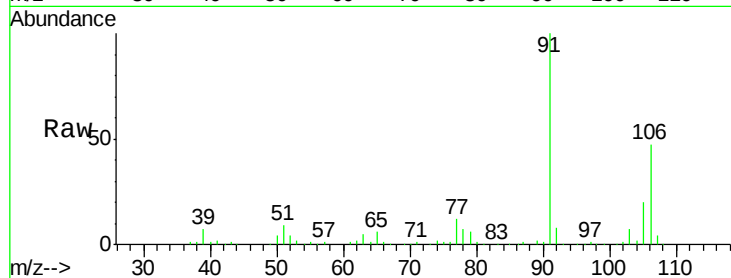
#69
o-Xylene
Concen: 20.835 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Instrument :
MSVOA_N
ClientSampled :
16827DL

Tot Ion:106 Resp: 94126
Ion Ratio Lower Upper
106 100
91 214.9 105.5 316.5

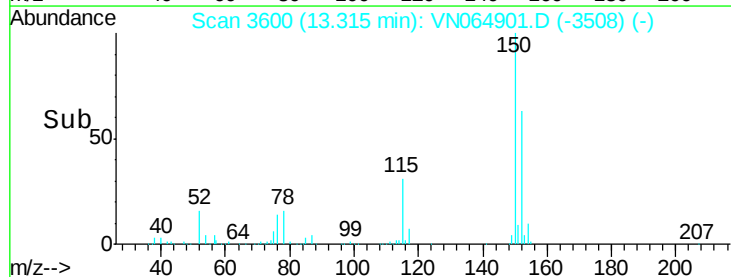
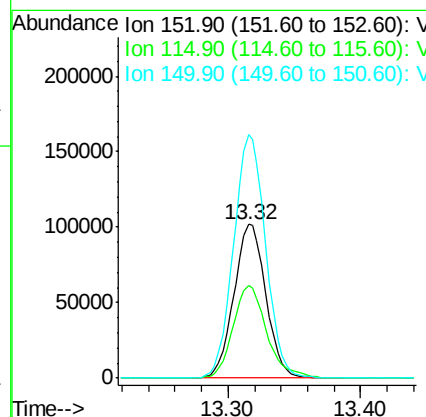
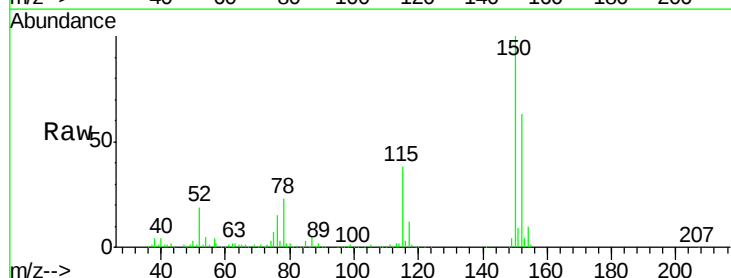
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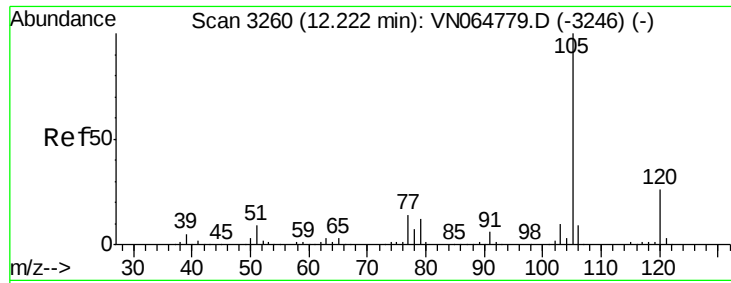
SAM
12/4/2020 5:43:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Tgt Ion:152 Resp: 170599
Ion Ratio Lower Upper
152 100
115 62.9 29.7 89.1
150 158.4 0.0 350.6





#73

Isopropylbenzene

Concen: 1.696 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

16827DL

Tot Ion: 105 Resp: 20130

Ion Ratio Lower Upper

105 100

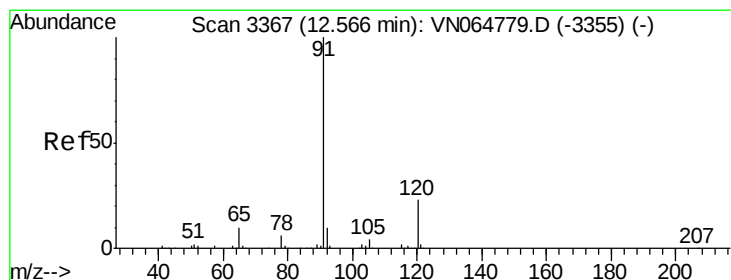
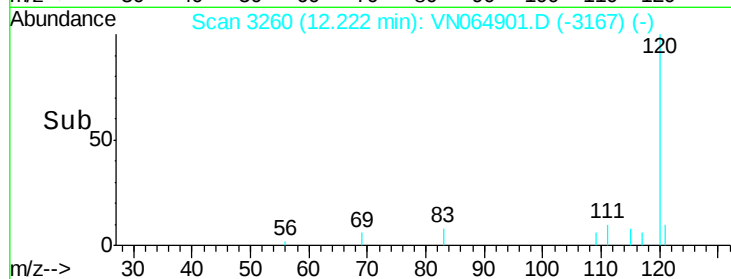
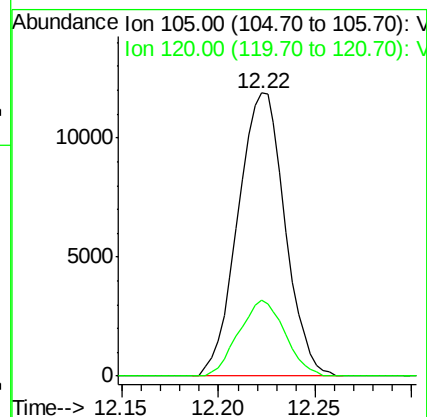
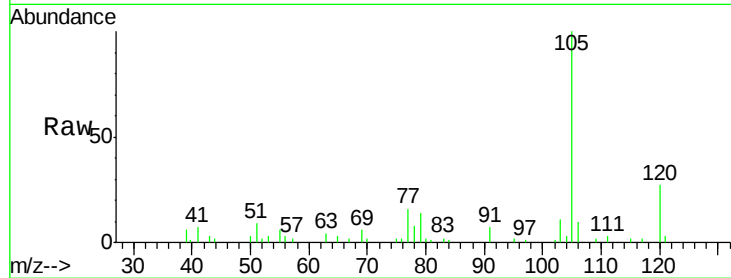
120 26.4 13.3 39.9

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#78

n-propylbenzene

Concen: 7.223 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064901.D

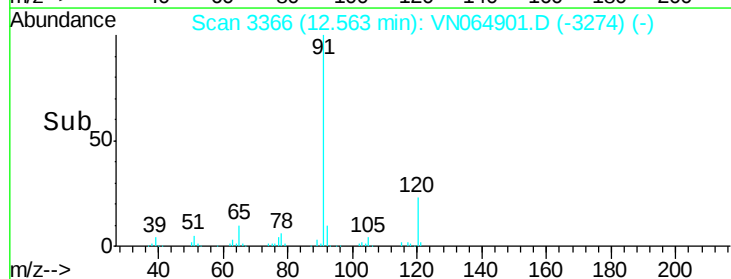
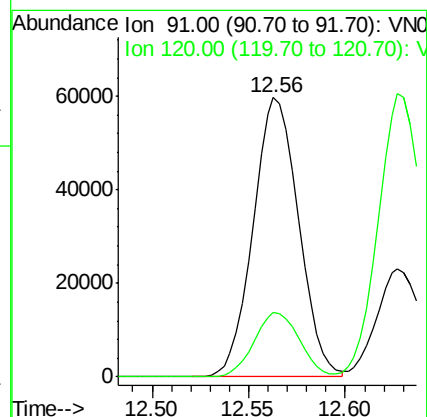
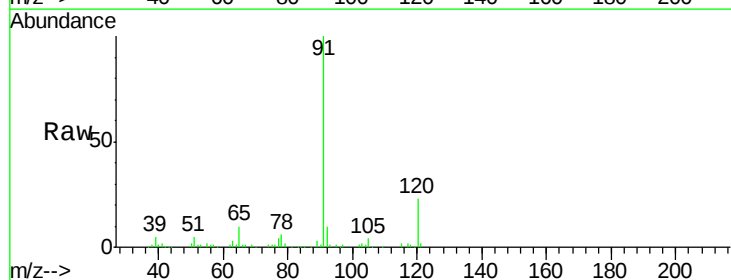
Acq: 3 Dec 2020 15:50

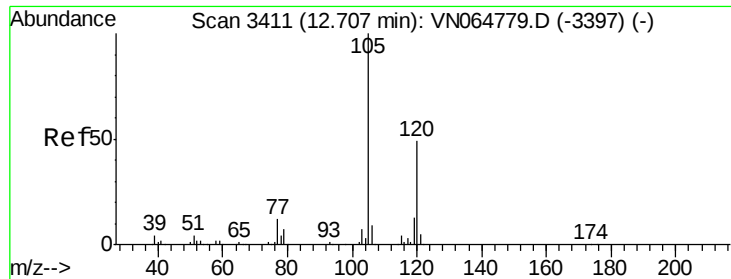
Tgt Ion: 91 Resp: 97638

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.7





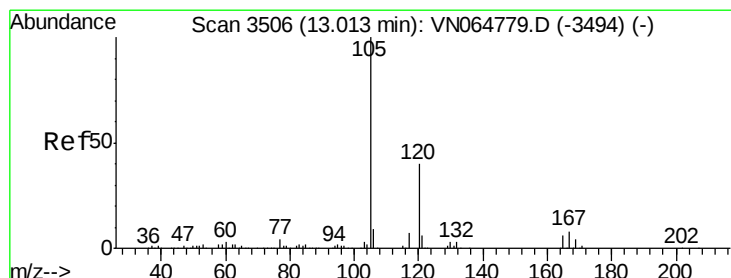
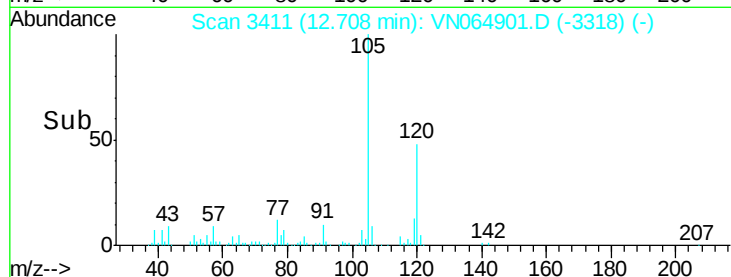
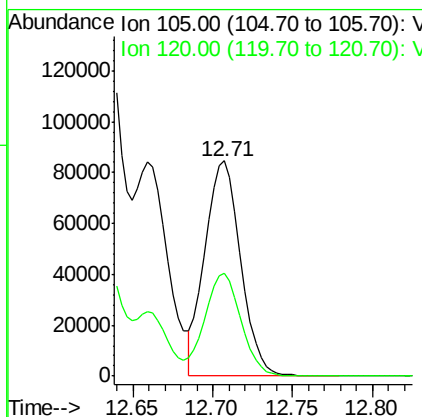
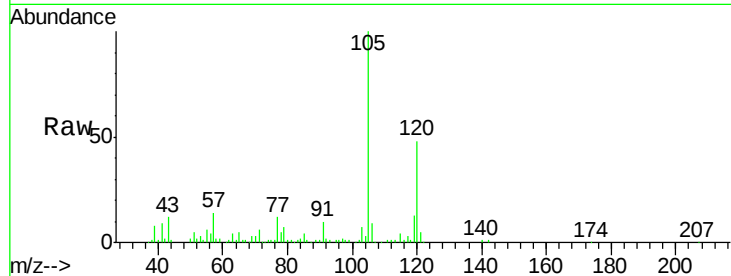
#80
 1,3,5-Trimethylbenzene
 Concen: 13.232 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 15:50

Instrument :
 MSVOA_N
 ClientSampled :
 16827DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.6	73.6

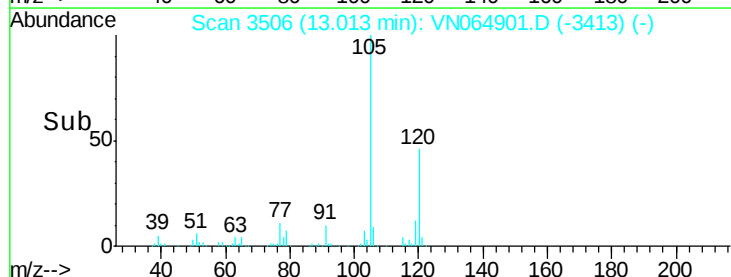
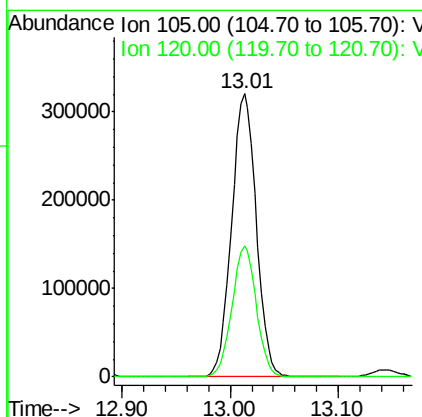
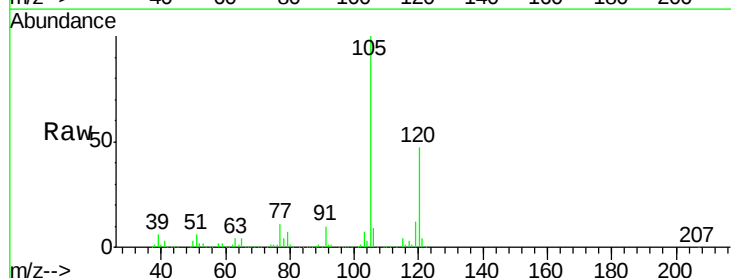
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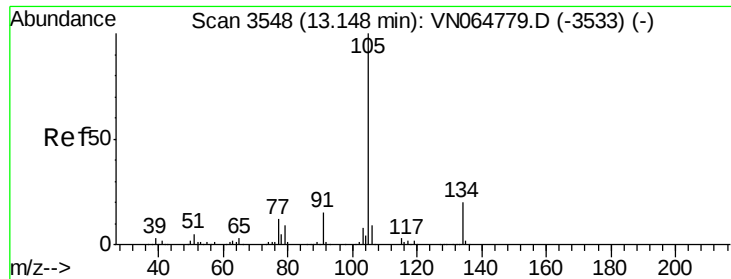
SAM
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.381 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 1.250 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

16827DL

Tot Ion:105 Resp: 13724

Ion Ratio Lower Upper

105 100

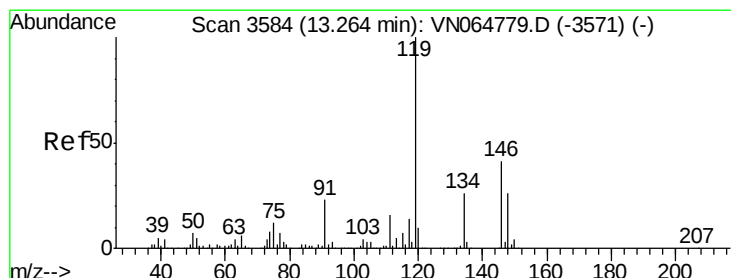
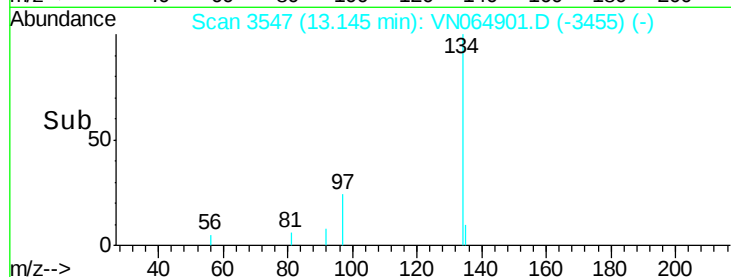
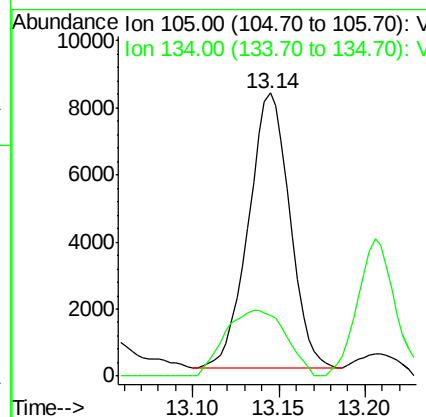
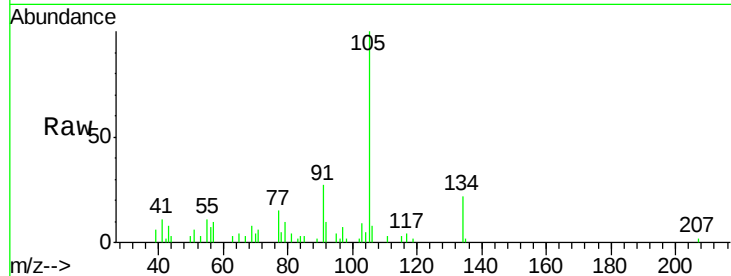
134 0.0 10.1 30.1#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 0.879 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 15:50

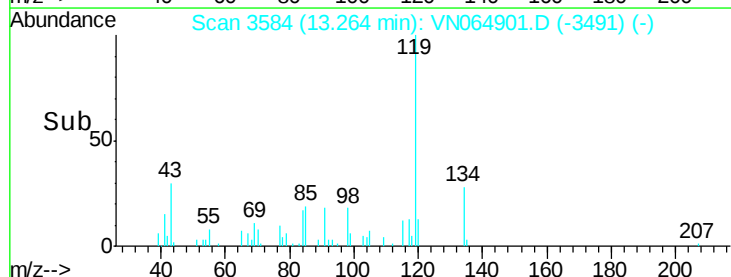
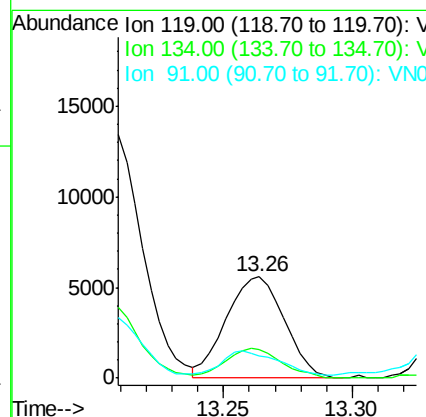
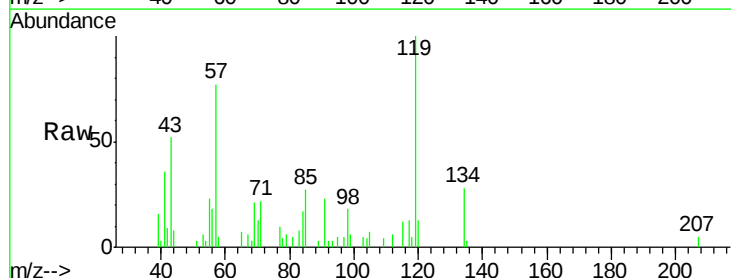
Tgt Ion:119 Resp: 8786

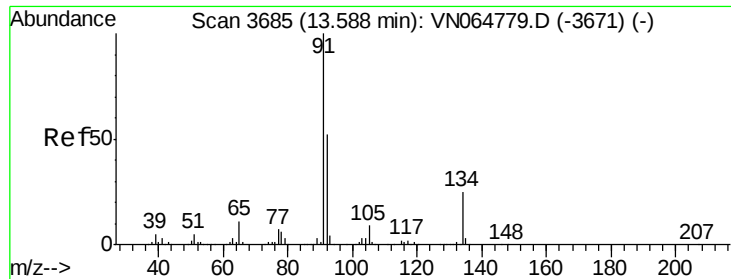
Ion Ratio Lower Upper

119 100

134 27.9 13.1 39.1

91 21.9 11.5 34.5





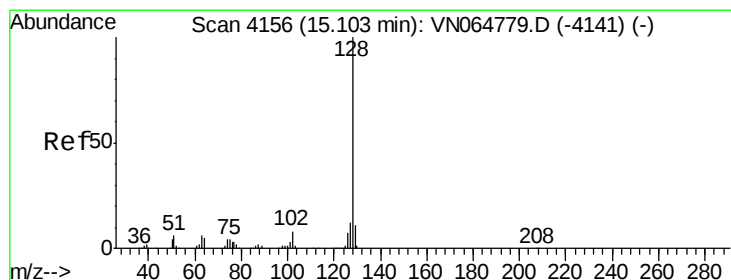
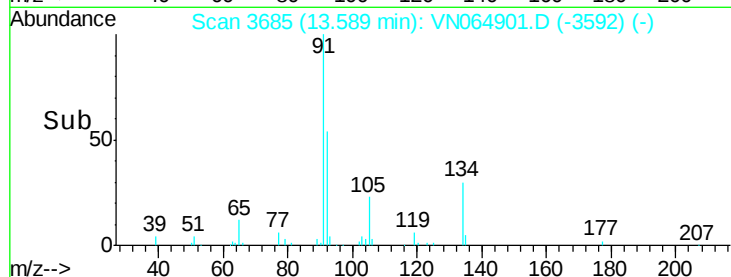
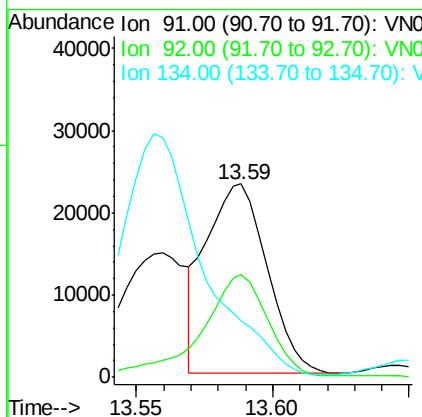
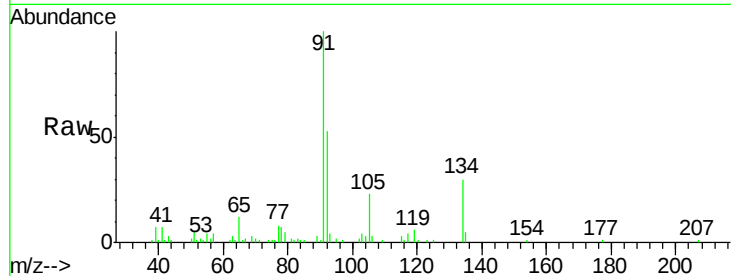
#89
n-Butylbenzene
Concen: 4.054 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
16827DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.5	26.0	78.0
134	0.0	12.9	38.6#

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#95
Naphthalene
Concen: 13.818 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 15:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.8	8.7	13.1

