

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064669.D
 Acq On : 16 Nov 2020 18:49
 Operator : JC/MD
 Sample : L4772-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111620

Manual Integrations
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MMDadoda
 11/17/2020 7:02:25 PM

Quant Time: Nov 17 05:17:13 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	7.63	168	262056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	535517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	583084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	327003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	244790	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	7.55	113	182507	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.06	98	696571	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	328041	61.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.10%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.76	59	28133	55.888	ug/l #	84
16) Acetone	3.79	43	12719	7.315	ug/l	100
25) 2-Butanone	6.81	43	3168m	1.430	ug/l	
30) Chloroform	7.33	83	8395	1.249	ug/l	89
39) Methylcyclohexane	9.05	83	50594	9.976	ug/l	90
52) Toluene	10.13	92	4275	0.422	ug/l	93
64) Tetrachloroethene	10.60	164	2639	0.588	ug/l #	87
67) Ethyl Benzene	11.48	91	1405497	61.816	ug/l	100
68) m/p-Xylenes	11.60	106	1178325	142.901	ug/l	99
69) o-Xylene	11.92	106	144668	18.156	ug/l	94
73) Isopropylbenzene	12.22	105	3749720	144.269	ug/l	98
78) n-propylbenzene	12.57	91	6267323	211.505	ug/l	92
80) 1,3,5-Trimethylbenzene	12.71	105	1601140	74.673	ug/l	99
83) tert-Butylbenzene	12.97	119	394312	23.546	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	12053279	559.184	ug/l #	53
85) sec-Butylbenzene	13.14	105	1893580	89.282	ug/l #	76
86) p-Isopropyltoluene	13.26	119	957301	50.181	ug/l	99
89) n-Butylbenzene	13.59	91	1144509	69.777	ug/l #	77
95) Naphthalene	15.10	128	92974	8.431	ug/l	99

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

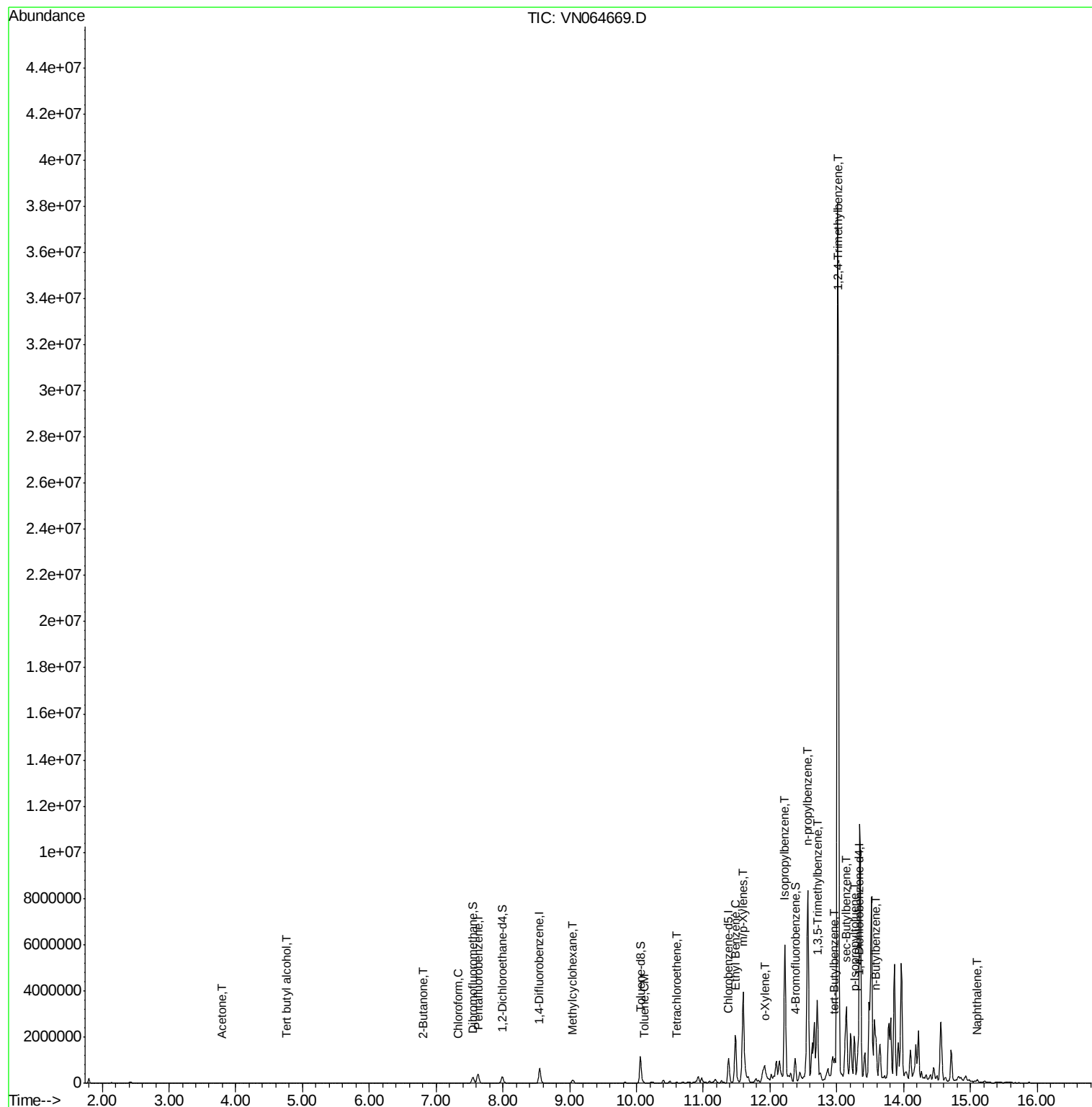
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

FD-111620

Tot Ion:168 Resp: 262056

Ion Ratio Lower Upper

168 100

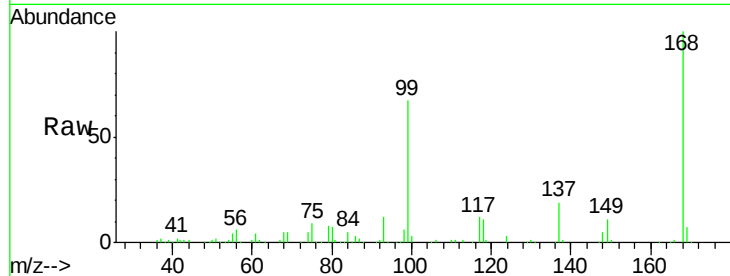
99 67.5 53.4 80.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

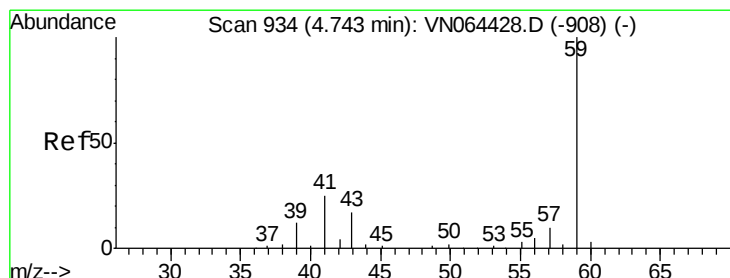
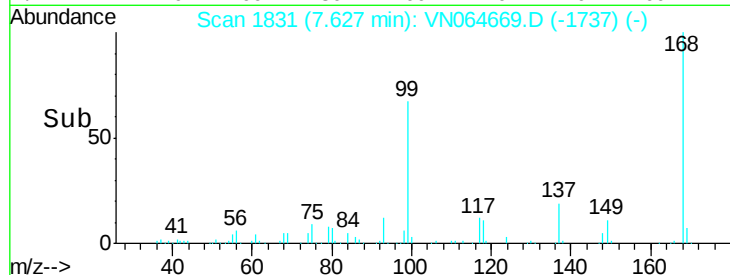
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 55.888 ug/l

RT: 4.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN064669.D

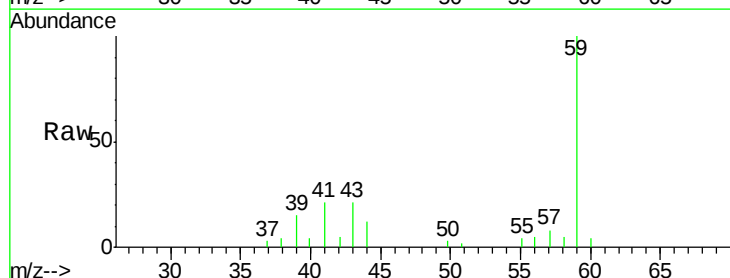
Acq: 16 Nov 2020 18:49

Tgt Ion: 59 Resp: 28133

Ion Ratio Lower Upper

59 100

57 4.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

8000

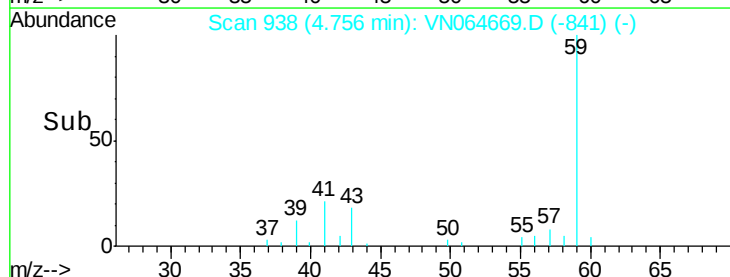
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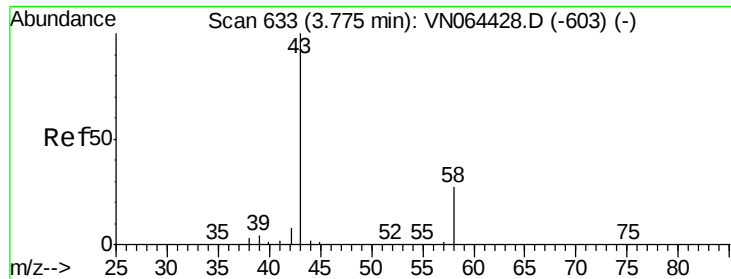
4000

2000

0

Time--> 4.60 4.70 4.80 4.90





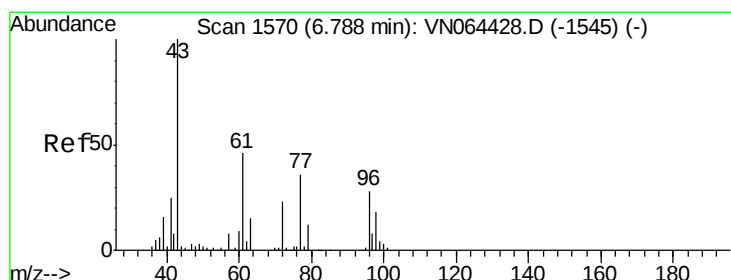
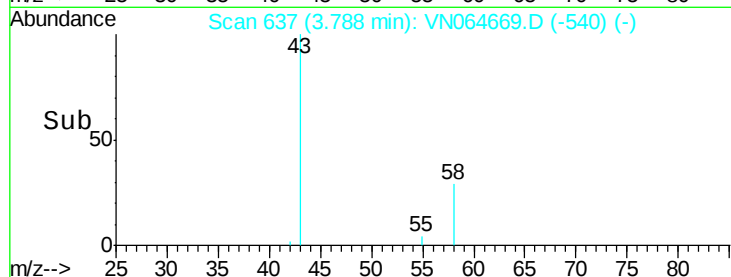
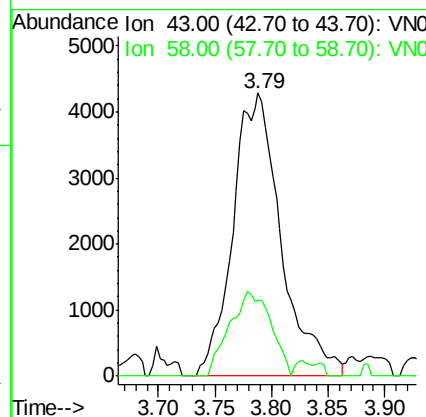
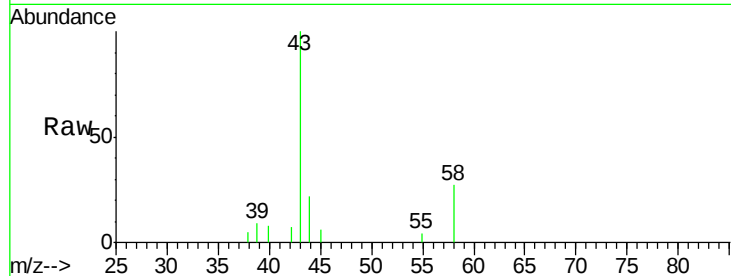
#16
Acetone
Concen: 7.315 ug/l
RT: 3.79 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion: 43 Resp: 12719
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.0

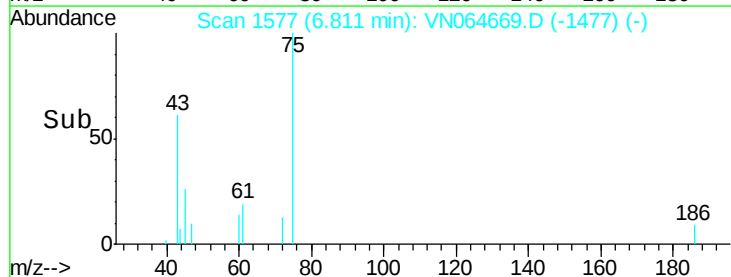
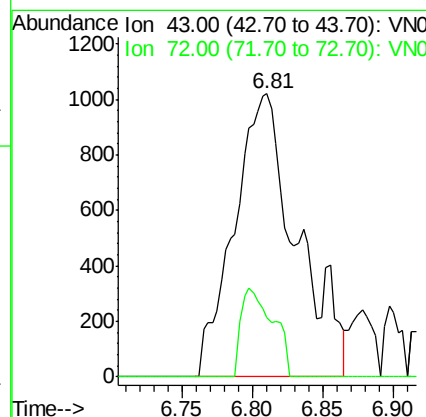
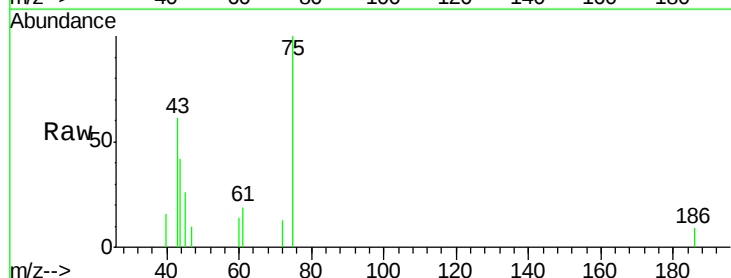
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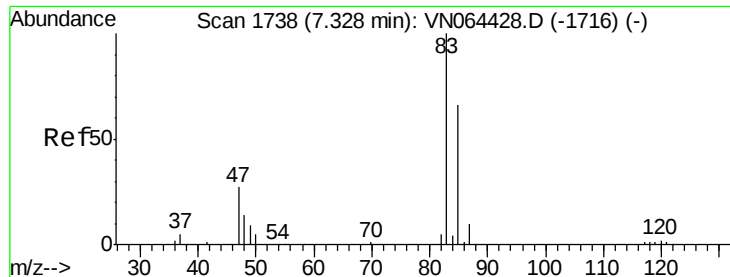
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#25
2-Butanone
Concen: 1.430 ug/l m
RT: 6.81 min Scan# 1577
Delta R.T. 0.02 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion: 43 Resp: 3168
Ion Ratio Lower Upper
43 100
72 20.8 18.5 27.7





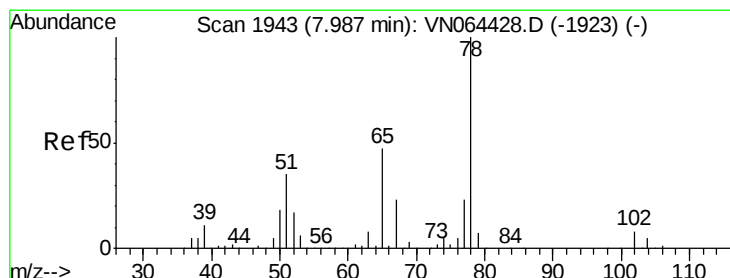
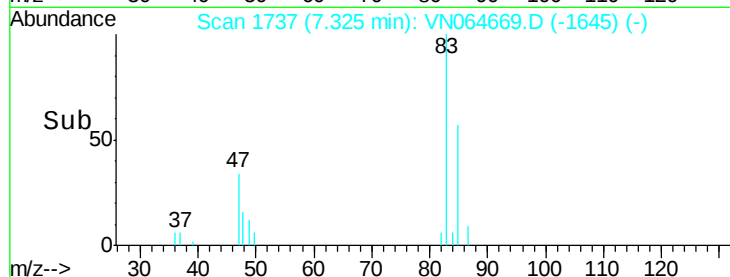
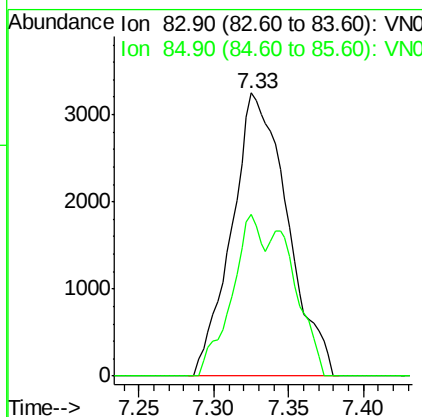
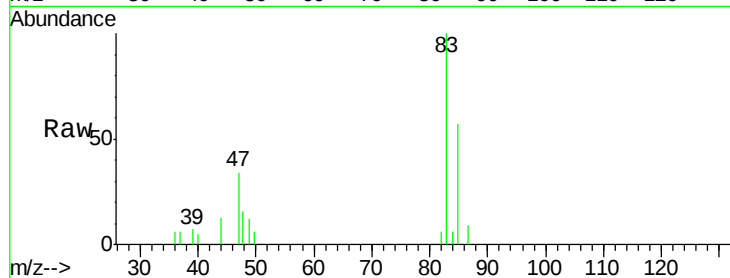
#30
Chloroform
Concen: 1.249 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion: 83 Resp: 8395
Ion Ratio Lower Upper
83 100
85 57.3 52.5 78.7

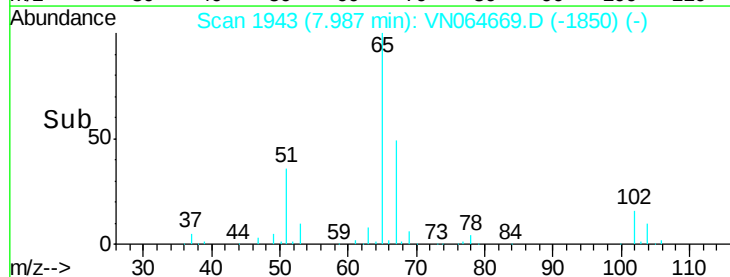
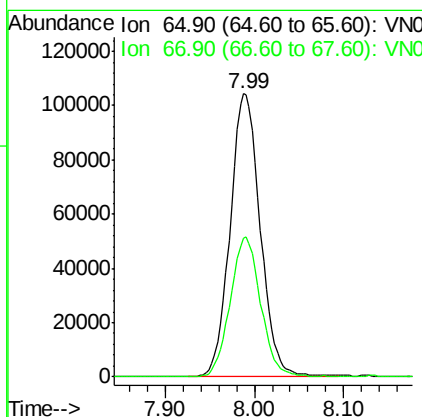
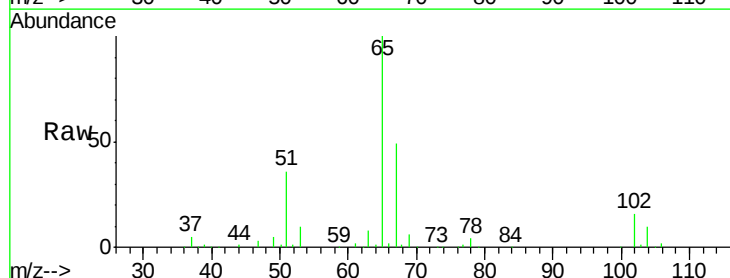
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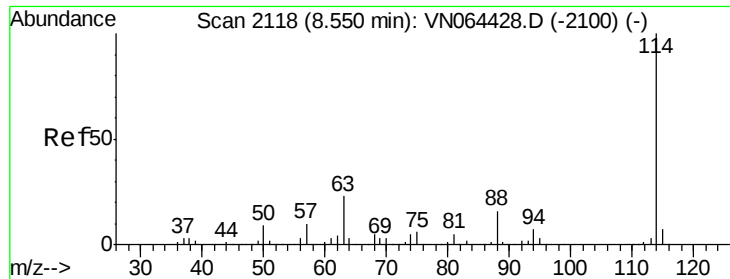
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#33
1,2-Dichloroethane-d4
Concen: 53.628 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion: 65 Resp: 244790
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.6





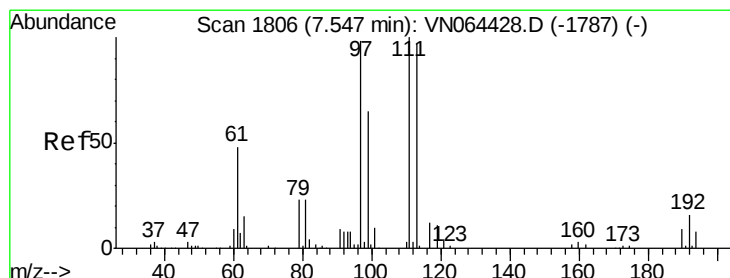
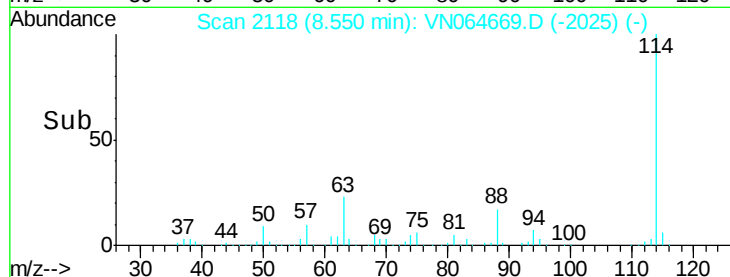
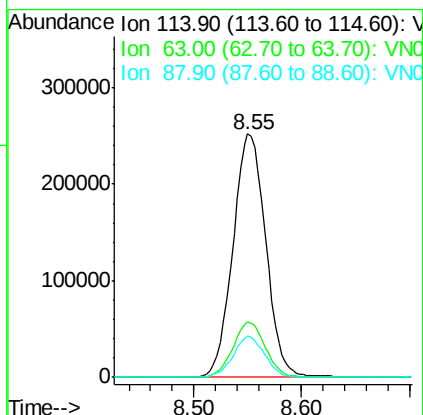
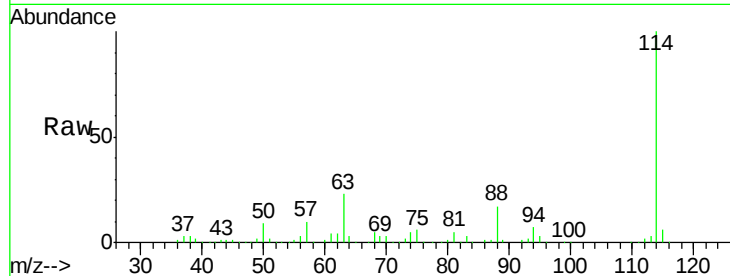
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.6	0.0	45.6
88	16.8	0.0	32.8

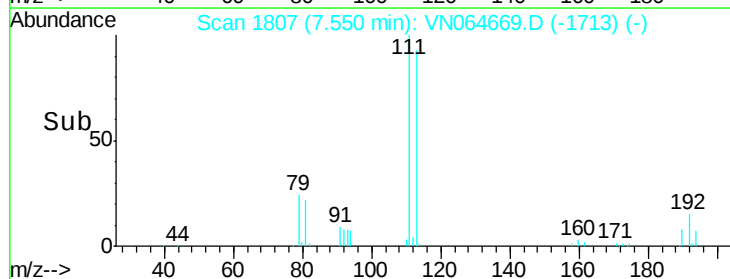
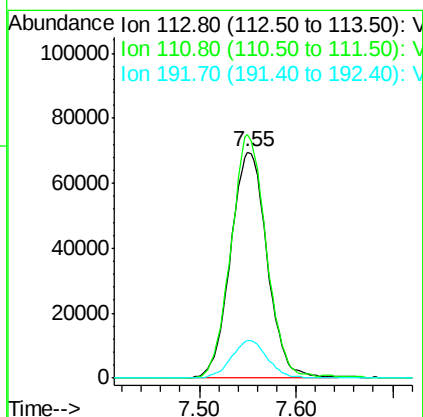
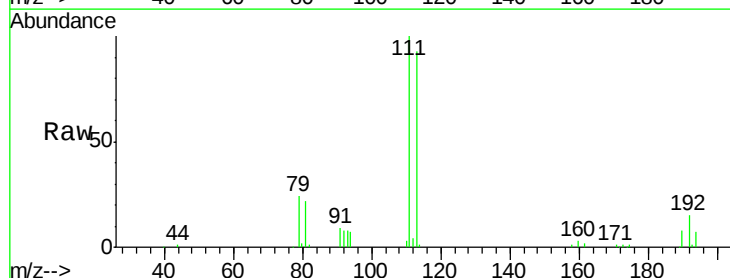
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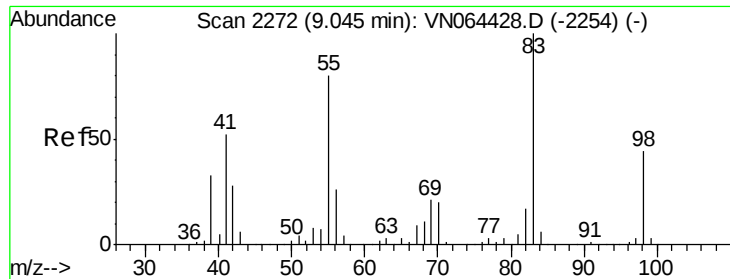
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#35
Dibromofluoromethane
Concen: 50.055 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	103.7	81.1	121.7
192	16.3	12.8	19.2





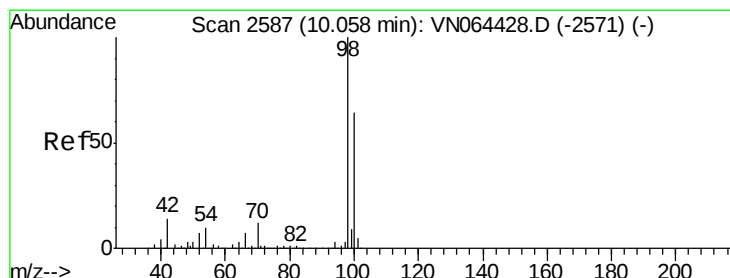
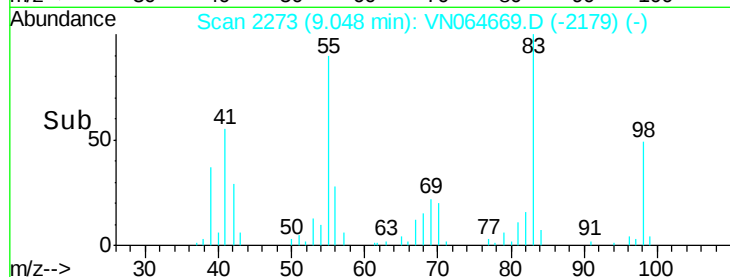
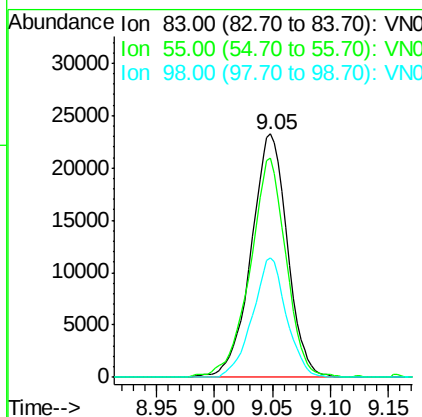
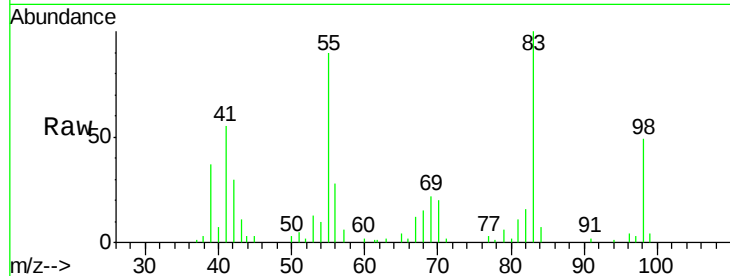
#39
Methvlcvclohexane
Concen: 9.976 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.8	63.8	95.6
98	49.1	35.4	53.2

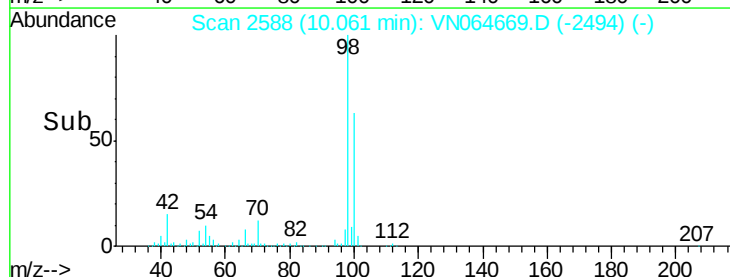
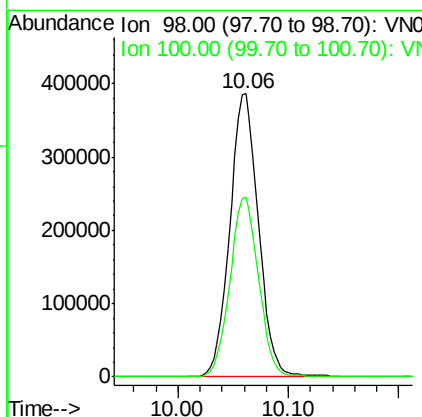
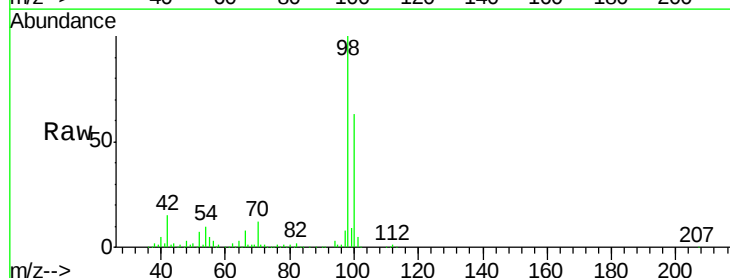
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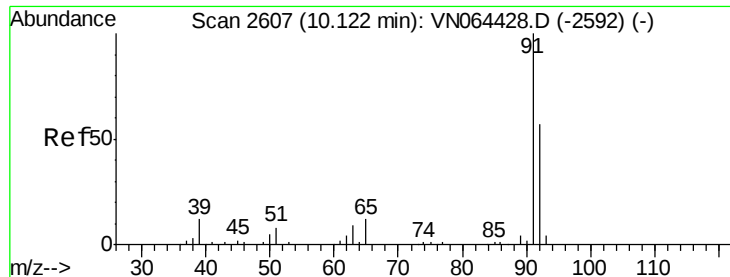
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#50
Toluene-d8
Concen: 49.429 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.7	76.1





#52

Toluene

Concen: 0.422 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

FD-111620

Tot Ion: 92 Resp: 4275

Ion Ratio Lower Upper

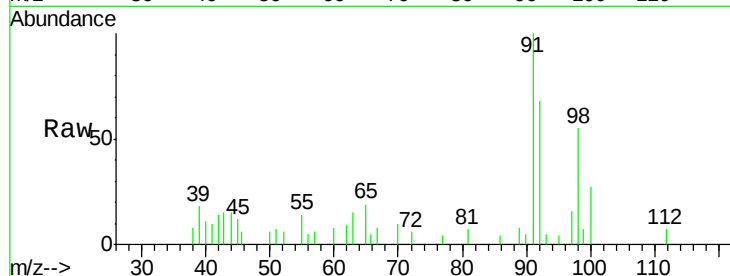
92 100

91 184.8 139.6 209.4

Manual Integrations
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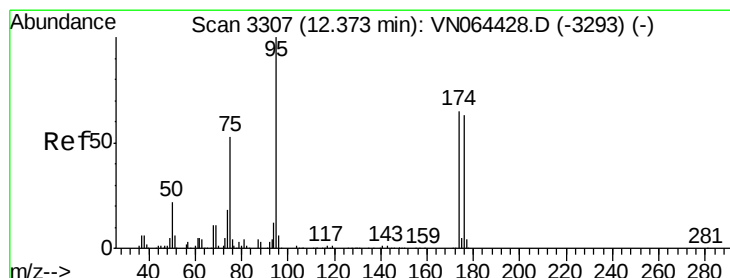
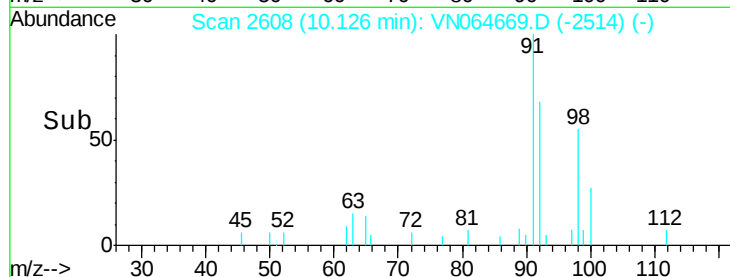
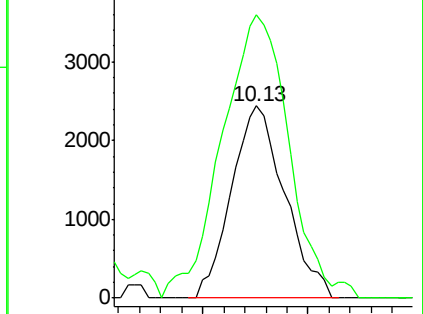
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Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)



#62

4-Bromofluorobenzene

Concen: 61.551 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

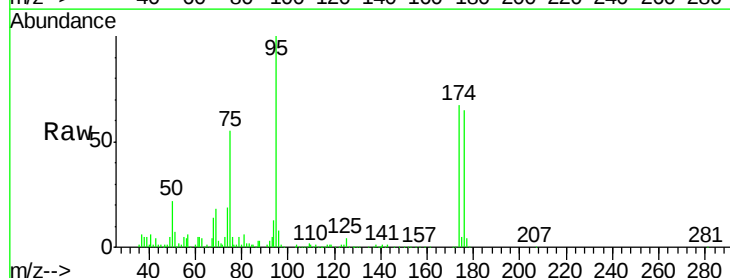
Tgt Ion: 95 Resp: 328041

Ion Ratio Lower Upper

95 100

174 68.8 0.0 132.6

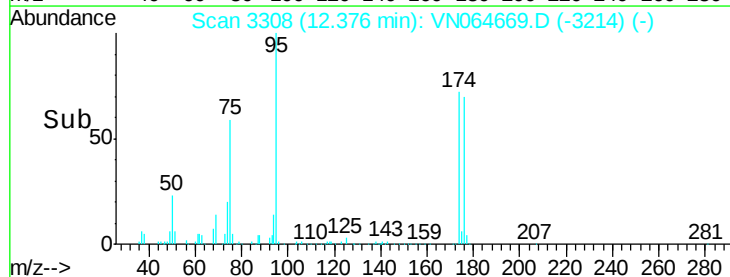
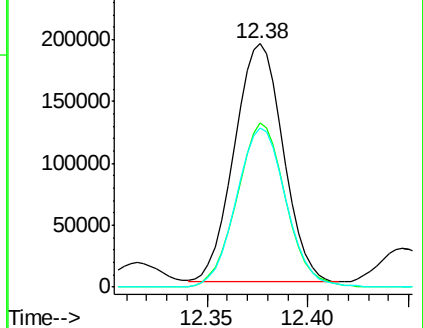
176 68.0 0.0 129.2

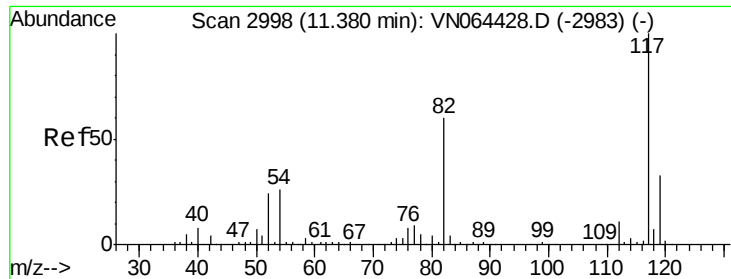


Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)





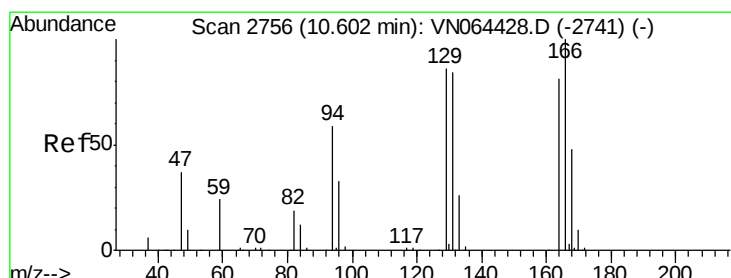
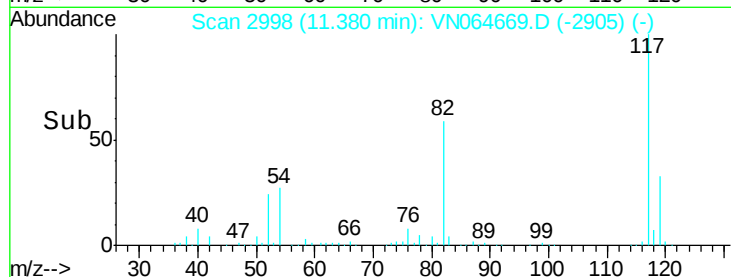
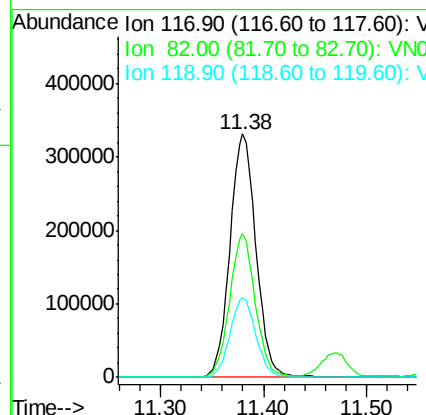
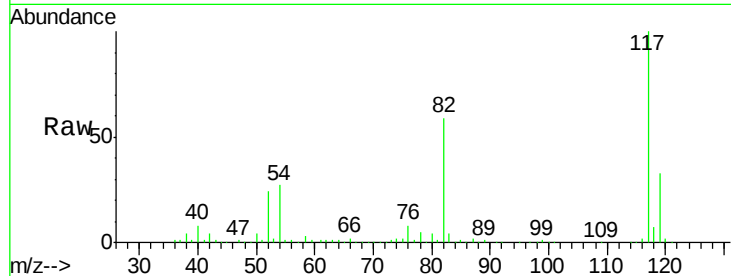
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	48.1	72.1
119	33.0	26.2	39.4

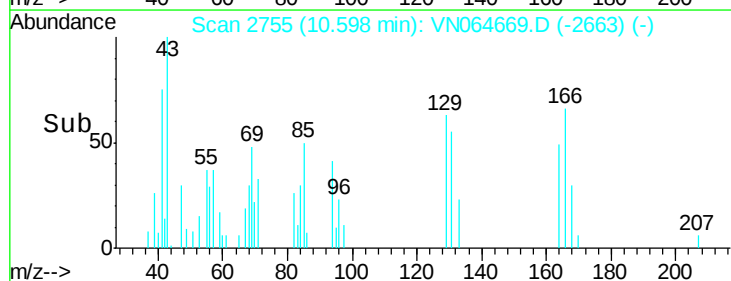
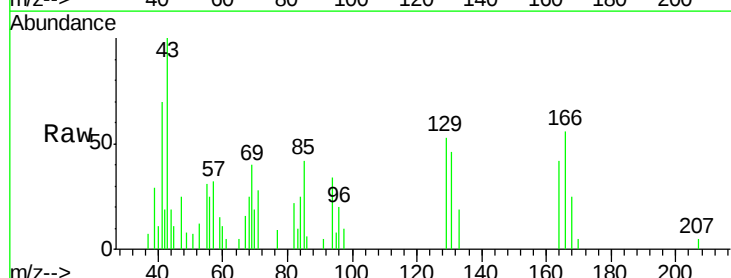
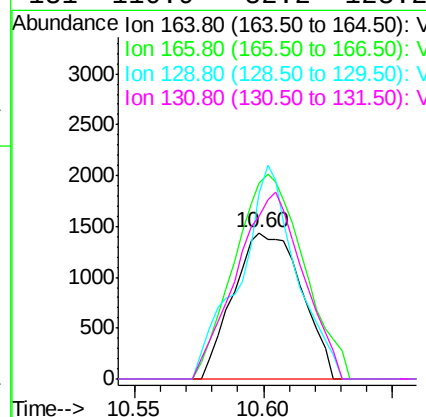
Manual Integrations
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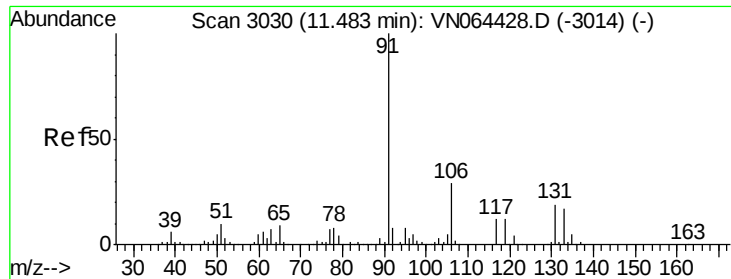
MMDadoda
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#64
Tetrachloroethene
Concen: 0.588 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	98.2	147.2
129	127.0	84.6	127.0#
131	110.9	82.2	123.2





#67

Ethyl Benzene

Concen: 61.816 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampled :

FD-111620

Tot Ion: 91 Resp: 1405497

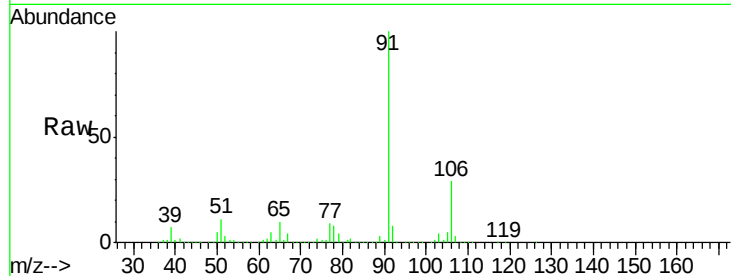
Ion Ratio Lower Upper

91 100

106 29.4 23.6 35.4

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Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN064428.D (-3014) (-)

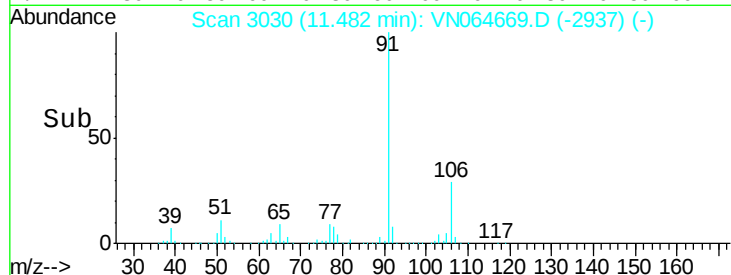
1500000

1000000

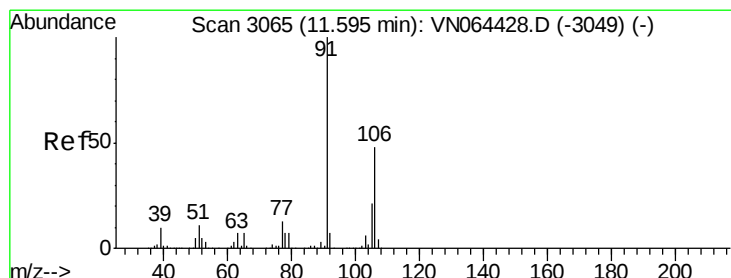
500000

0

11.40 11.50



Time-->



#68

m/p-Xylenes

Concen: 142.901 ug/l

RT: 11.60 min Scan# 3066

Delta R.T. 0.00 min

Lab File: VN064669.D

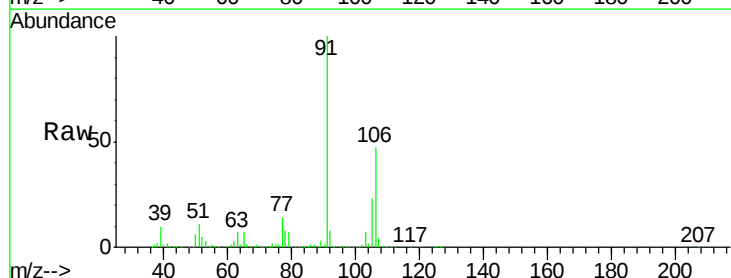
Acq: 16 Nov 2020 18:49

Tgt Ion: 106 Resp: 1178325

Ion Ratio Lower Upper

106 100

91 213.6 169.4 254.2



Abundance Ion 106.00 (105.70 to 106.70): VN064428.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-3049) (-)

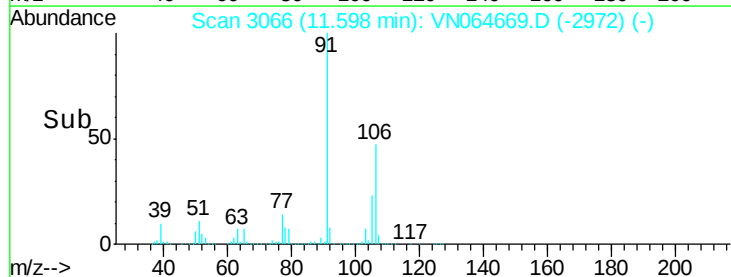
1500000

1000000

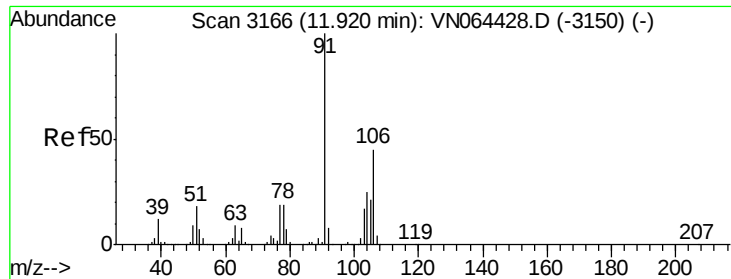
500000

0

11.50 11.60 11.70



Time-->



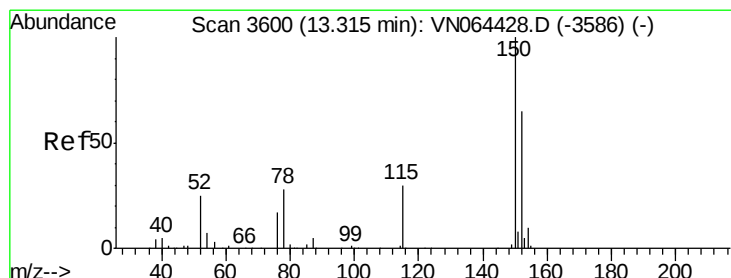
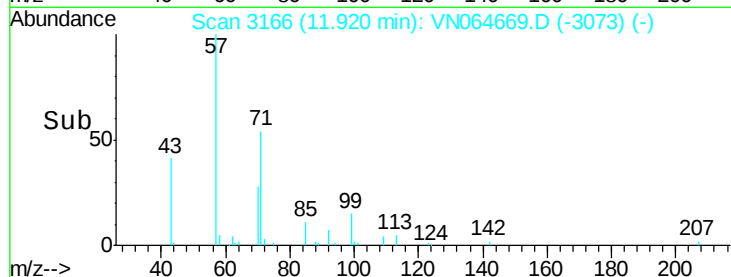
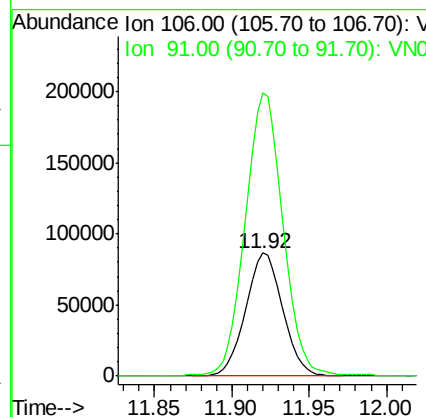
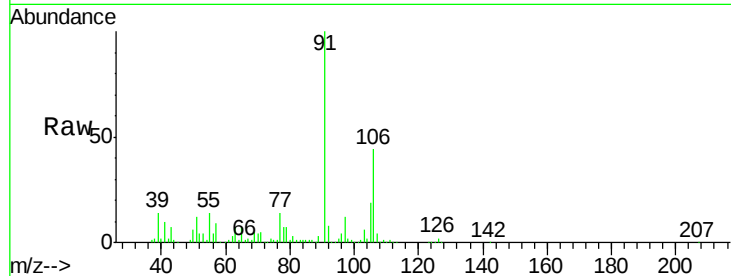
#69
o-Xylene
Concen: 18.156 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampled :
FD-111620

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.4	111.7	334.9

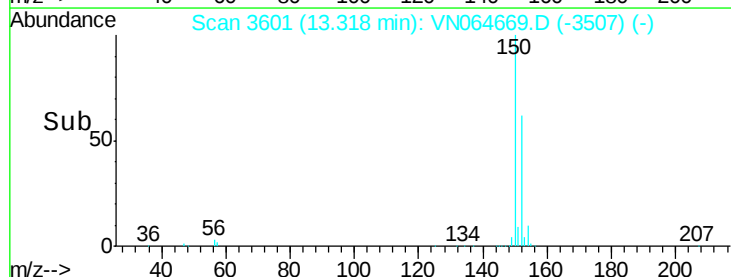
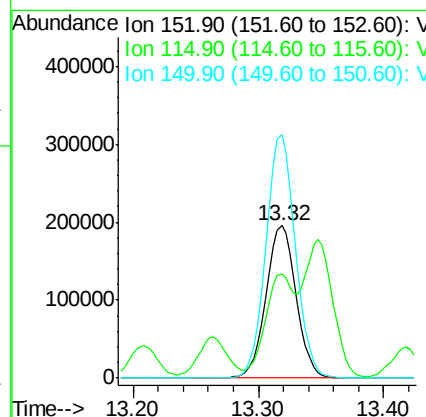
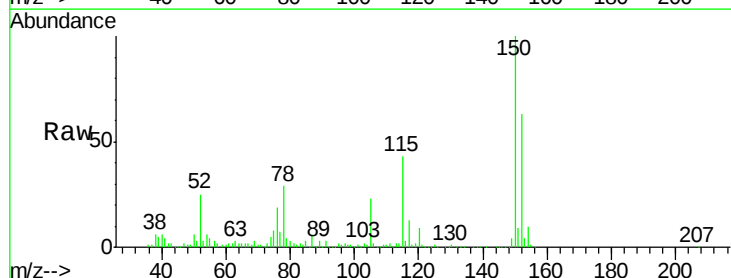
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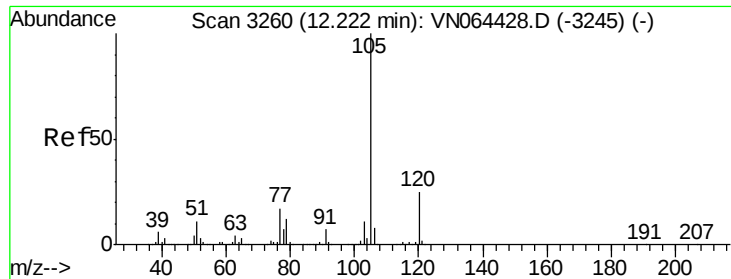
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.0	96.0
150	156.1	0.0	353.8





#73

Isopropylbenzene

Concen: 144.269 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

FD-111620

Tot Ion:105 Resp: 3749720

Ion Ratio Lower Upper

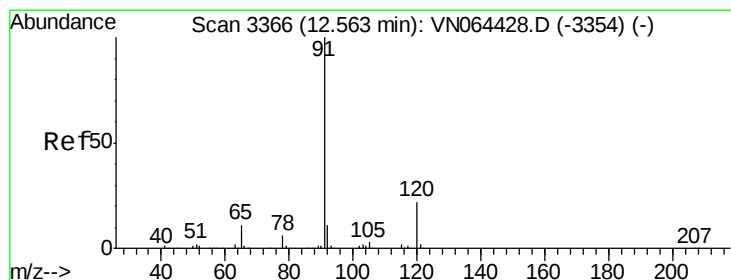
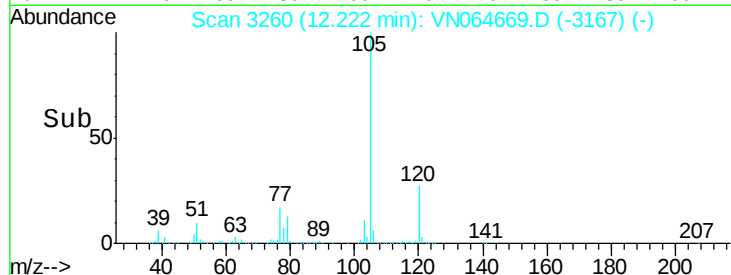
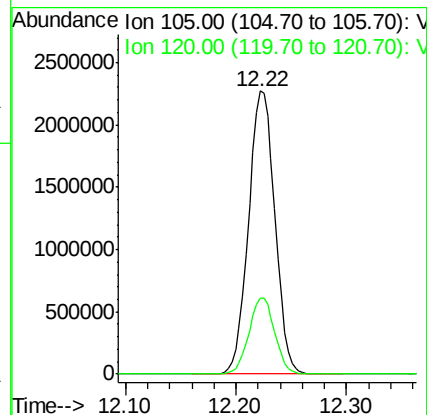
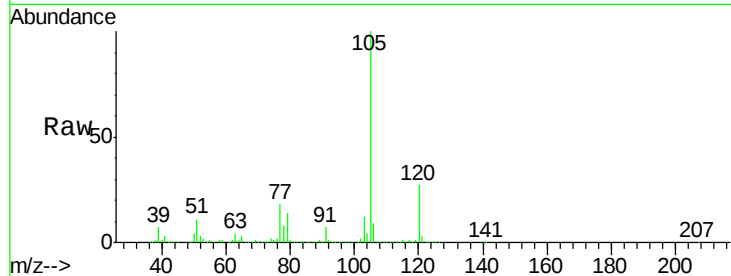
105 100

120 26.4 12.8 38.3

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#78

n-propylbenzene

Concen: 211.505 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064669.D

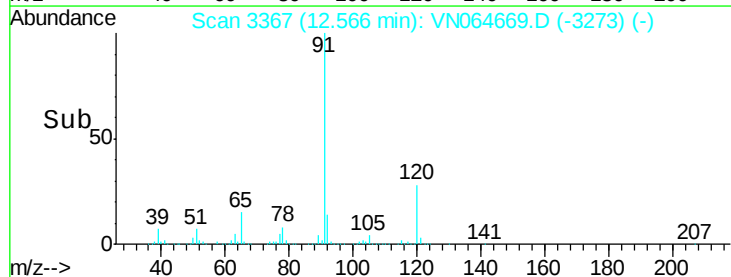
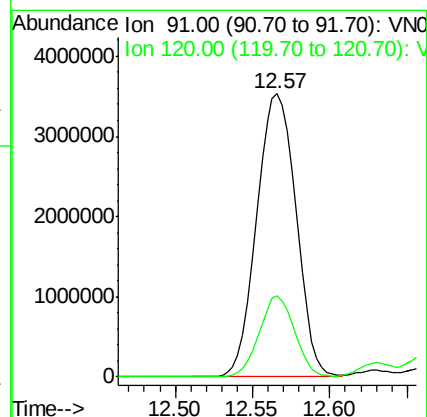
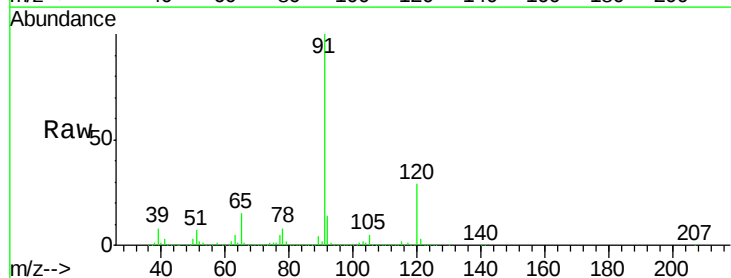
Acq: 16 Nov 2020 18:49

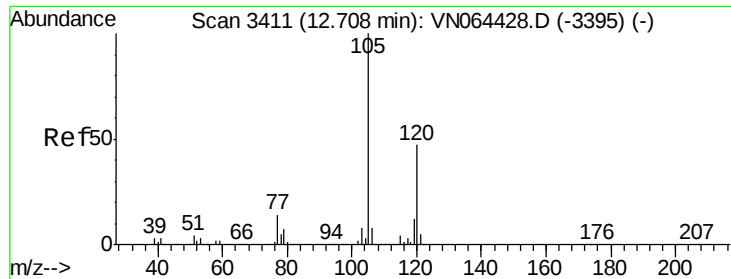
Tgt Ion: 91 Resp: 6267323

Ion Ratio Lower Upper

91 100

120 25.6 11.0 33.0





#80

1,3,5-Trimethylbenzene

Concen: 74.673 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

FD-111620

Tot Ion:105 Resp: 1601140

Ion Ratio Lower Upper

105 100

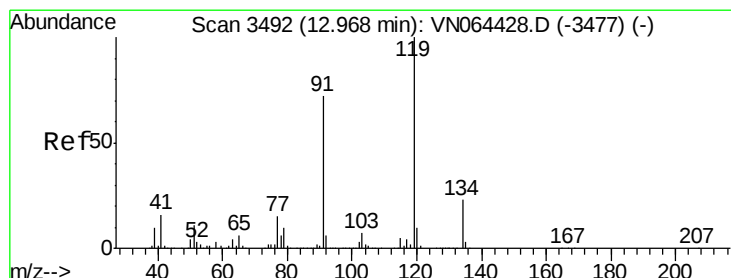
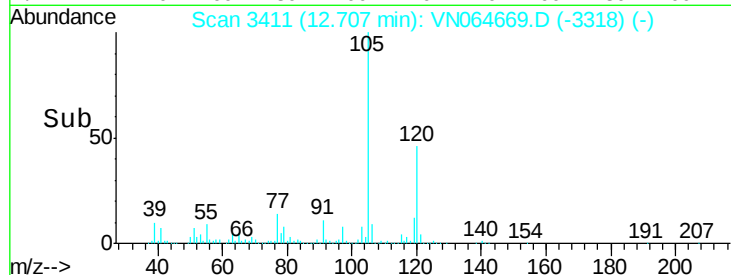
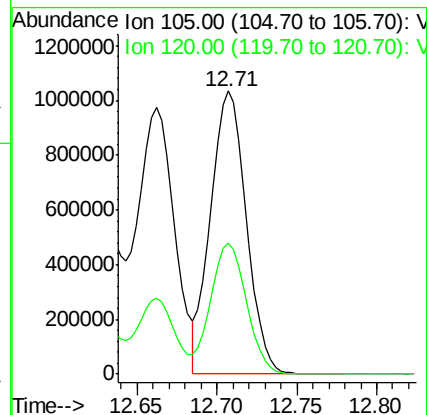
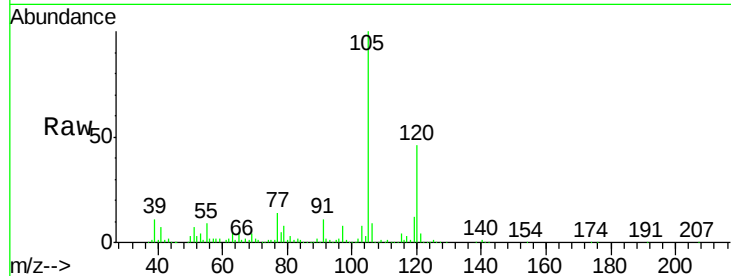
120 46.2 23.4 70.2

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#83

tert-Butylbenzene

Concen: 23.546 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

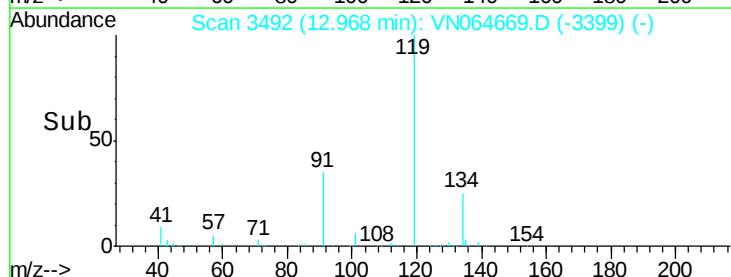
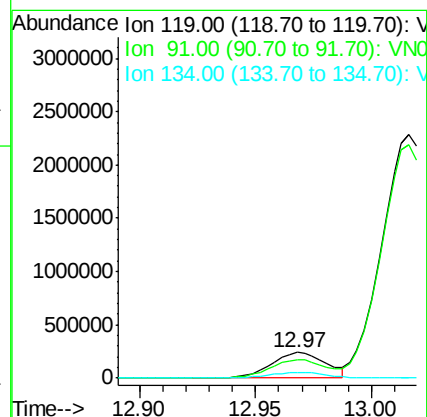
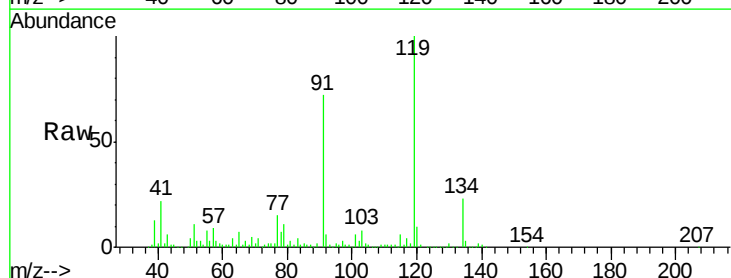
Tgt Ion:119 Resp: 394312

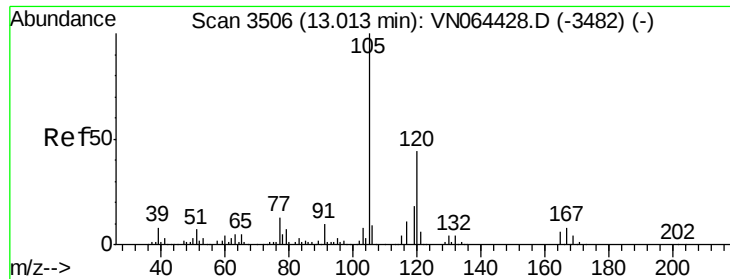
Ion Ratio Lower Upper

119 100

91 70.4 36.1 108.3

134 22.7 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 559.184 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064669.D

Acq: 16 Nov 2020 18:49

Instrument :

MSVOA_N

ClientSampleId :

FD-111620

Tot Ion:105 Resp:12053279

Ion Ratio Lower Upper

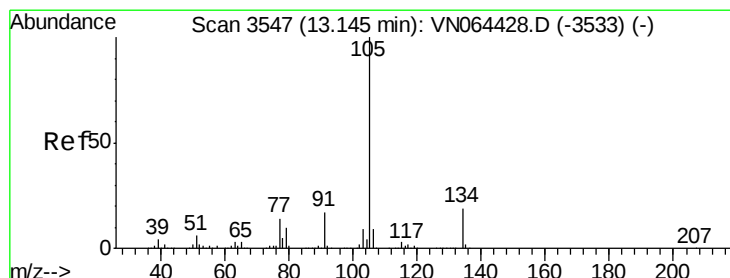
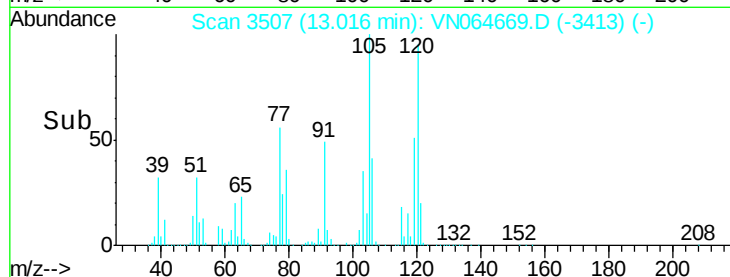
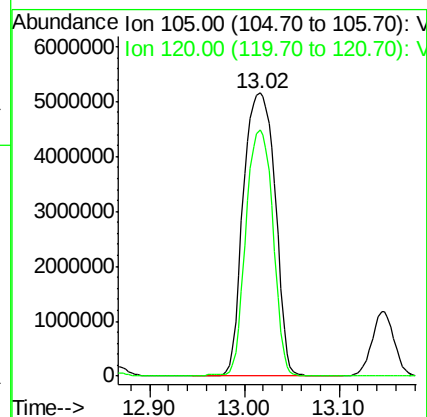
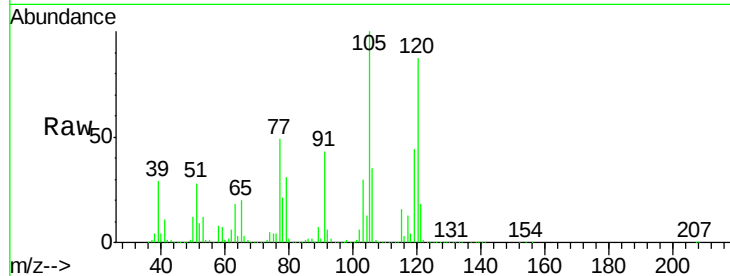
105 100

120 74.5 21.9 65.7#

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#85

sec-Butylbenzene

Concen: 89.282 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064669.D

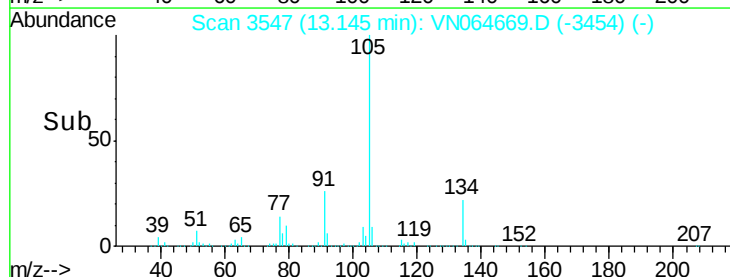
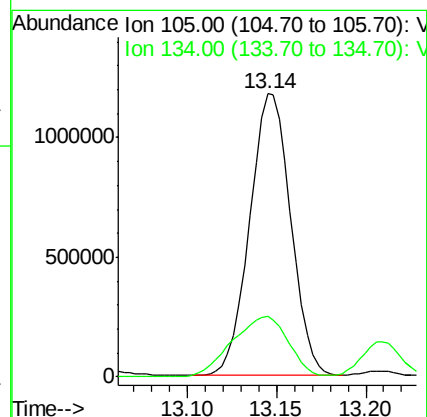
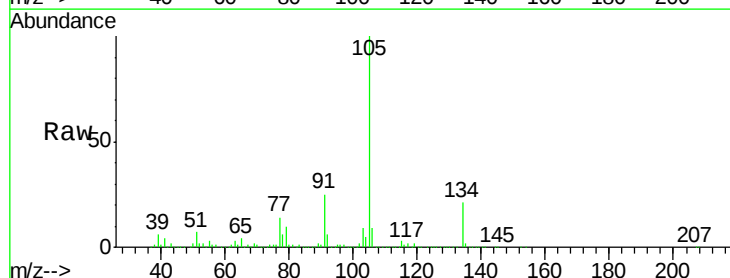
Acq: 16 Nov 2020 18:49

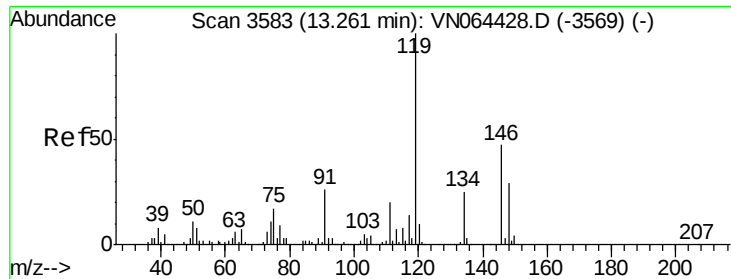
Tgt Ion:105 Resp: 1893580

Ion Ratio Lower Upper

105 100

134 29.4 9.4 28.2#





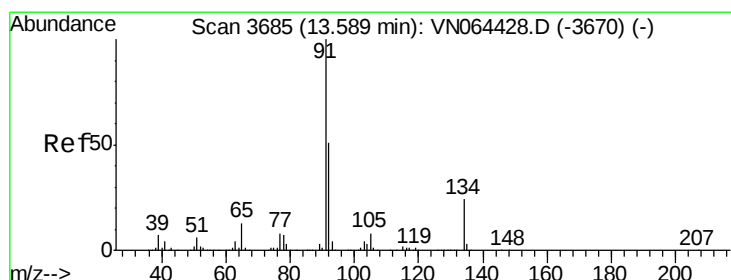
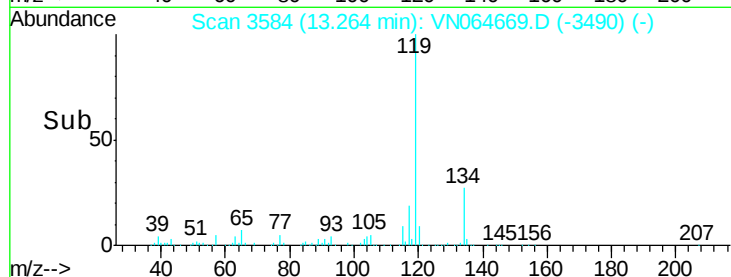
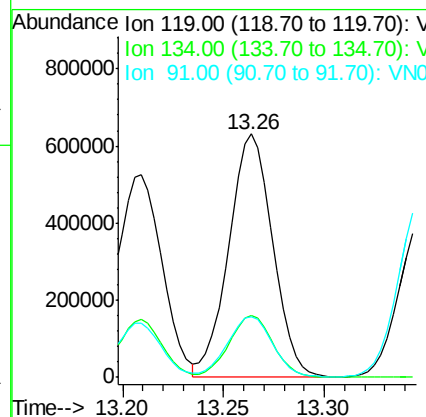
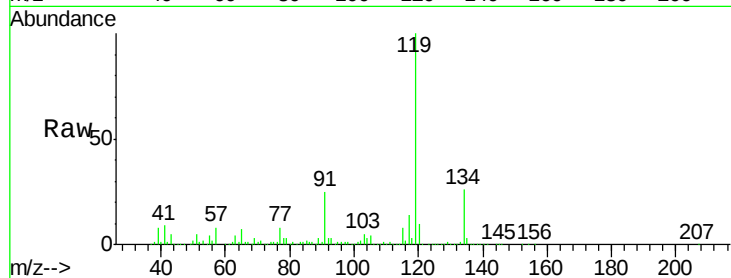
#86
 p-Isopropyltoluene
 Concen: 50.181 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064669.D
 Acq: 16 Nov 2020 18:49

Instrument :
 MSVOA_N
 ClientSampleId :
 FD-111620

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.6
91	25.3	12.8	38.3

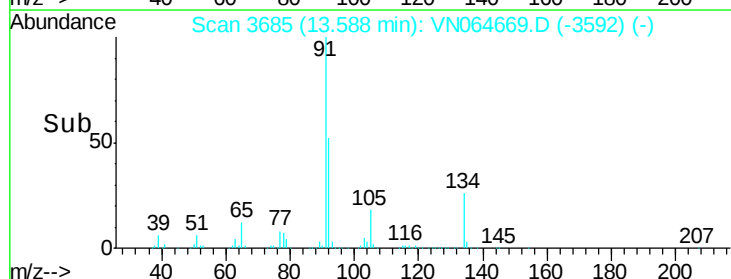
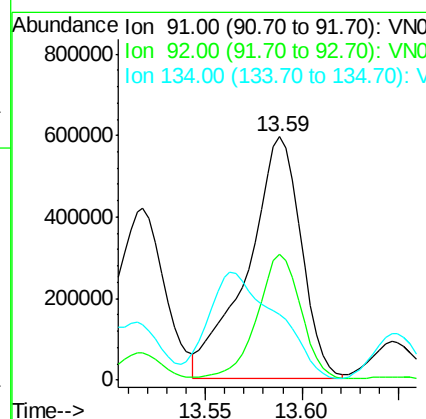
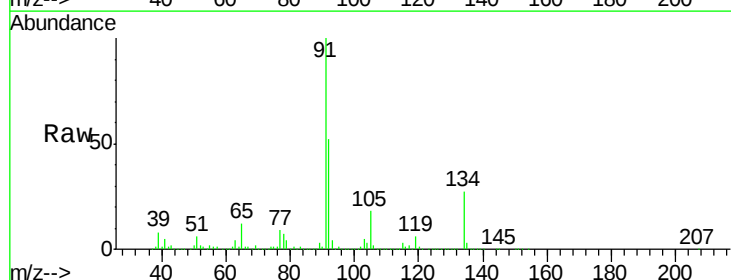
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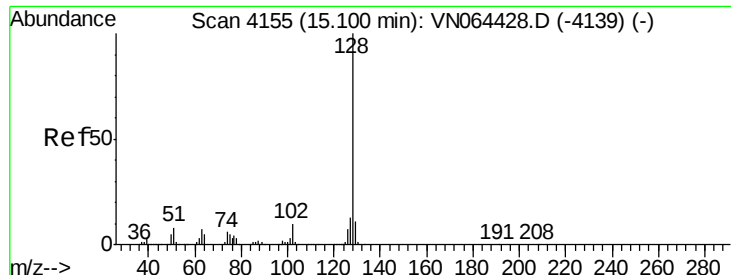
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#89
 n-Butylbenzene
 Concen: 69.777 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN064669.D
 Acq: 16 Nov 2020 18:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.4	25.3	75.9
134	0.0	11.8	35.4#





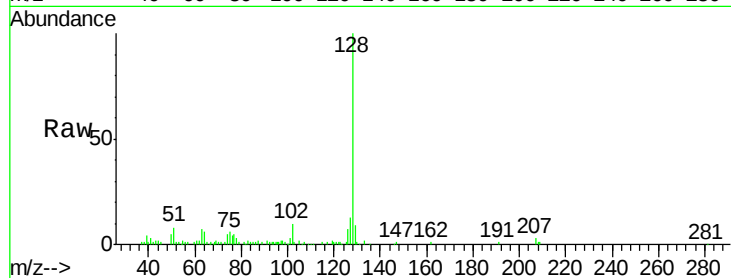
#95
Naphthalene
Concen: 8.431 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064669.D
Acq: 16 Nov 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
FD-111620

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.8	8.8	13.2

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

