

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063716.D
 Acq On : 28 Sep 2020 19:32
 Operator : JC/MD
 Sample : L4178-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:38:12 PM

Quant Time: Sep 29 05:00:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	227888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	250759	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	176071	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
35) Dibromofluoromethane	7.55	113	132915	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
50) Toluene-d8	10.06	98	568039	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
62) 4-Bromofluorobenzene	12.38	95	242398	62.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.28%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	54490	43.706	ug/l #	84
17) Carbon Disulfide	4.01	76	10037	1.342	ug/l	99
25) 2-Butanone	6.79	43	20090	10.478	ug/l	93
31) Cyclohexane	7.61	56	826773	154.316	ug/l	97
39) Methylcyclohexane	9.05	83	1498234	317.002	ug/l	99
40) Benzene	8.00	78	11280	0.907	ug/l	93
52) Toluene	10.13	92	73064	9.776	ug/l	100
67) Ethyl Benzene	11.49	91	11682362	683.598	ug/l #	8
68) m/p-Xylenes	11.59	106	623765	101.234	ug/l	99
69) o-Xylene	11.92	106	33335	5.679	ug/l	98
73) Isopropylbenzene	12.23	105	3158065	157.161	ug/l	98
78) n-propylbenzene	12.57	91	7359180	314.437	ug/l	78
80) 1,3,5-Trimethylbenzene	12.71	105	8485041m	506.383	ug/l	
83) tert-Butylbenzene	12.98	119	20936m	1.514	ug/l	
84) 1,2,4-Trimethylbenzene	13.02	105	14765137m	872.379	ug/l	
85) sec-Butylbenzene	13.15	105	524918	28.356	ug/l #	69
86) p-Isopropyltoluene	13.27	119	388551	23.797	ug/l #	73
89) n-Butylbenzene	13.59	91	418806m	27.828	ug/l	
95) Naphthalene	15.10	128	8048753	502.410	ug/l #	87

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

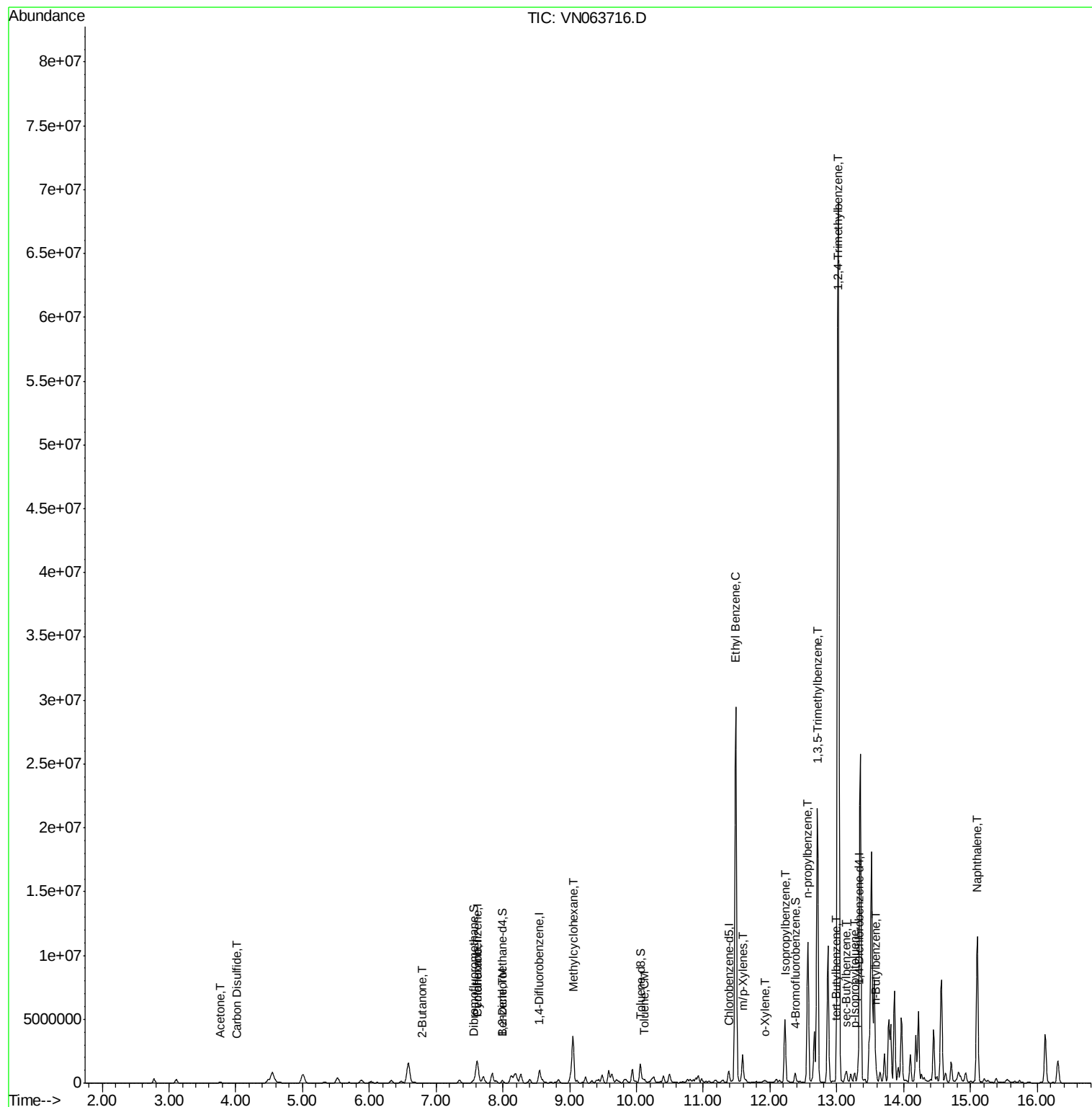
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion:168 Resp: 227888

Ion Ratio Lower Upper

168 100

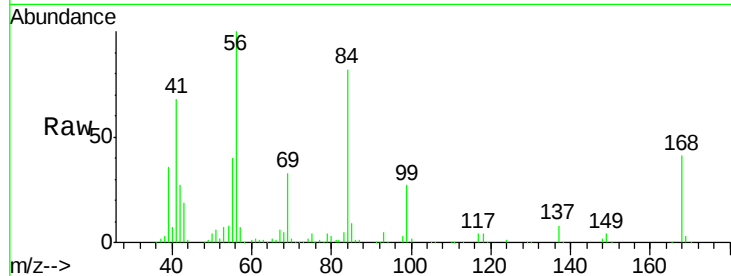
99 65.5 53.0 79.6

Manual Integrations

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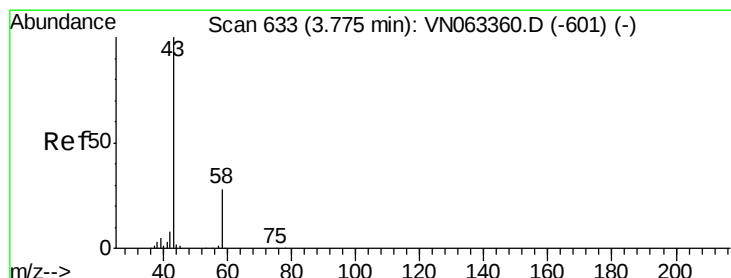
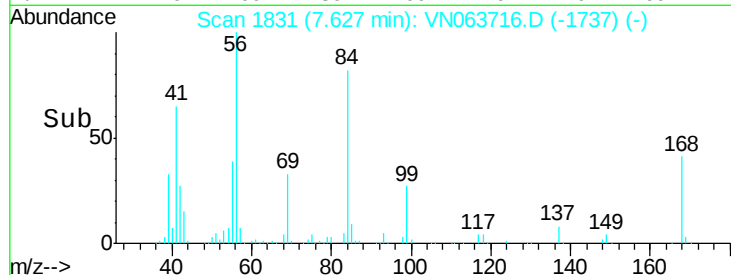
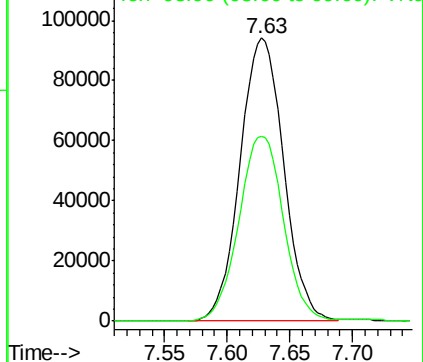
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 43.706 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063716.D

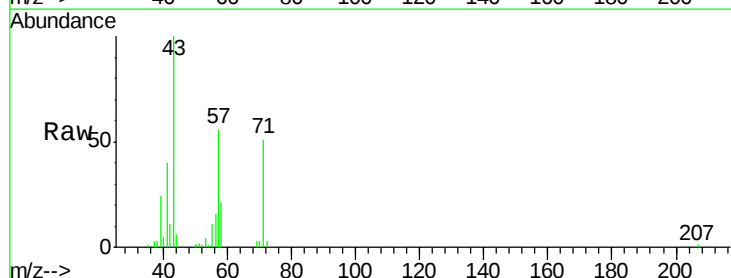
Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 54490

Ion Ratio Lower Upper

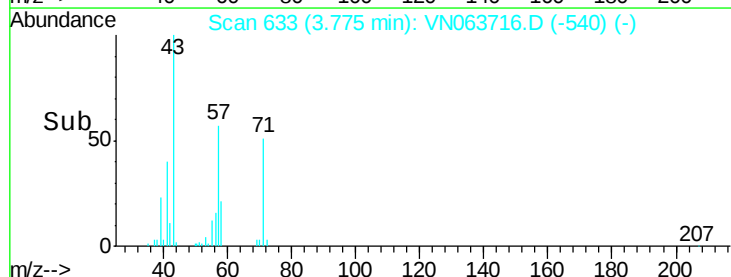
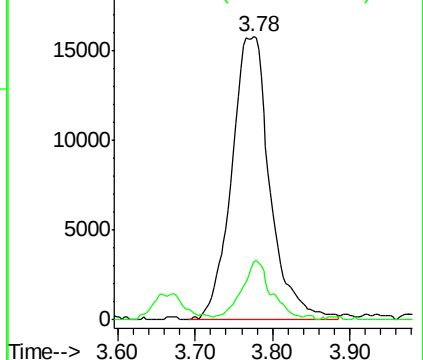
43 100

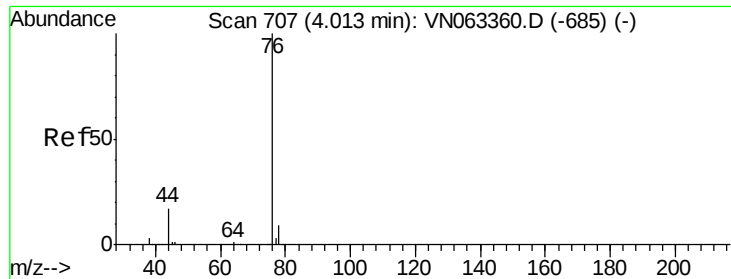
58 19.4 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





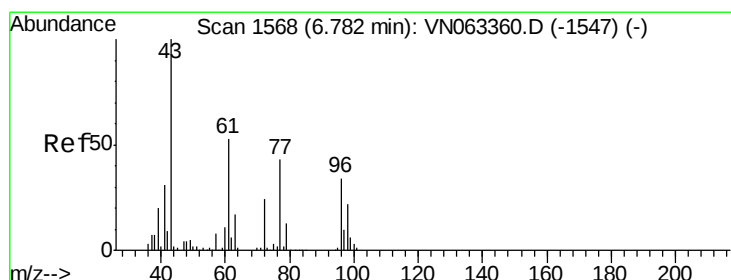
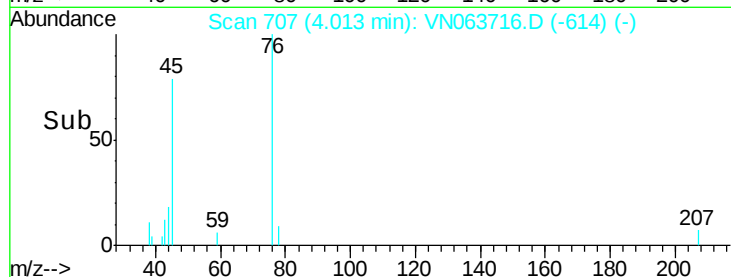
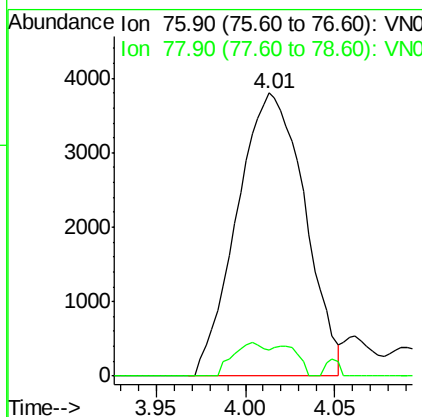
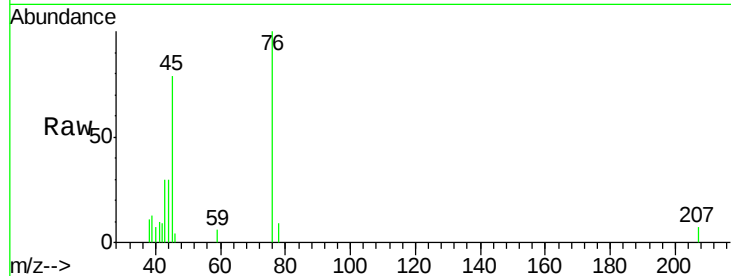
#17
Carbon Disulfide
Concen: 1.342 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 76 Resp: 10037
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

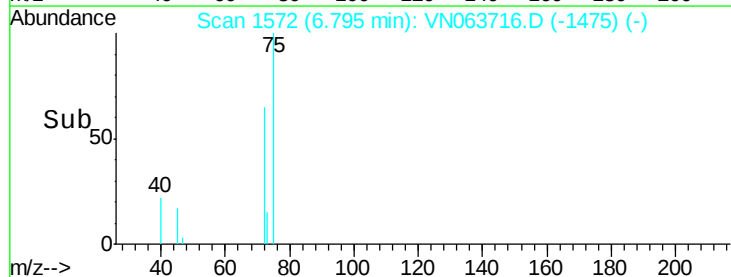
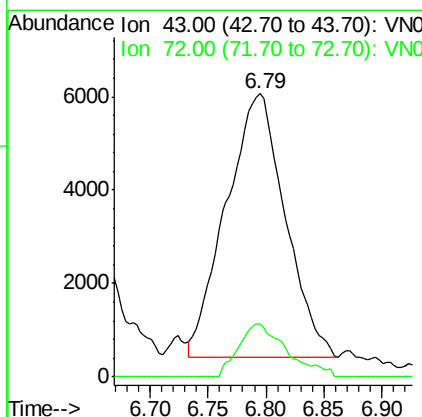
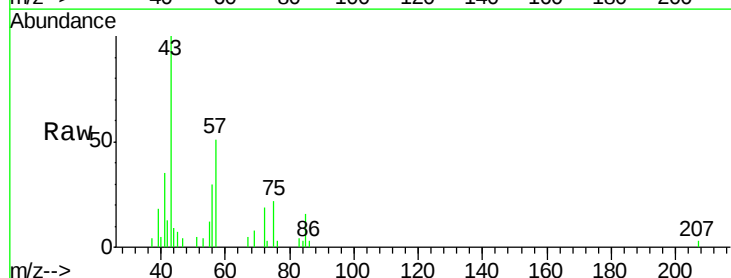
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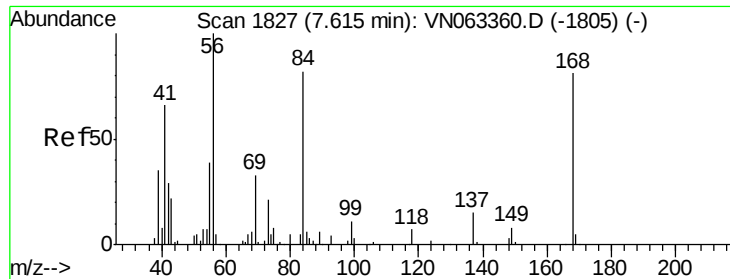
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#25
2-Butanone
Concen: 10.478 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 43 Resp: 20090
Ion Ratio Lower Upper
43 100
72 20.3 19.2 28.8





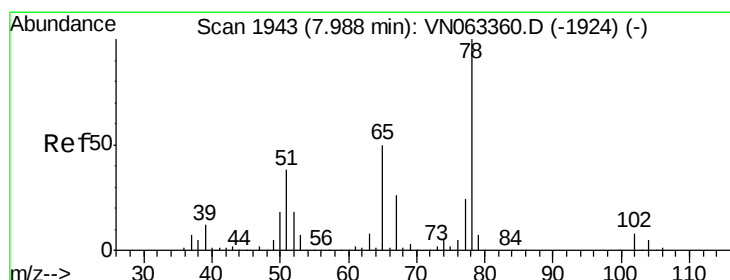
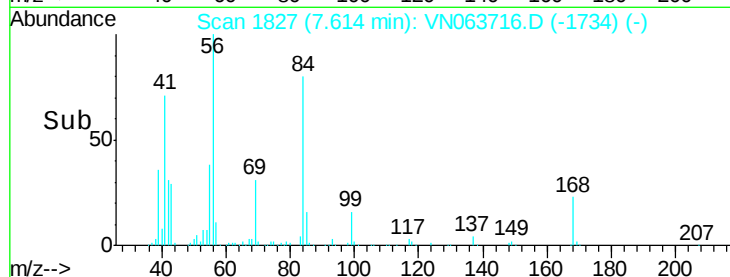
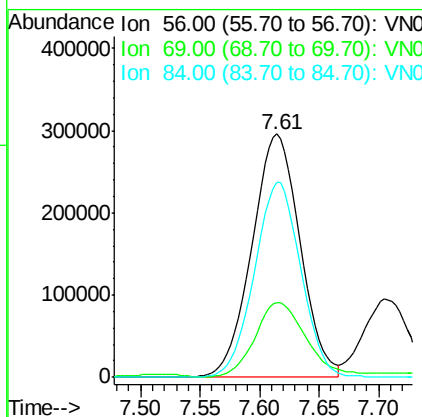
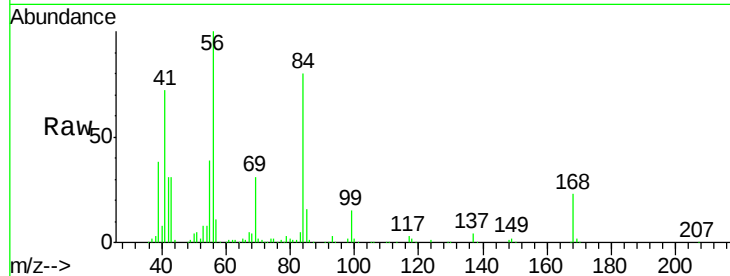
#31
Cyclohexane
Concen: 154.316 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.1	39.1
84	80.0	65.4	98.2

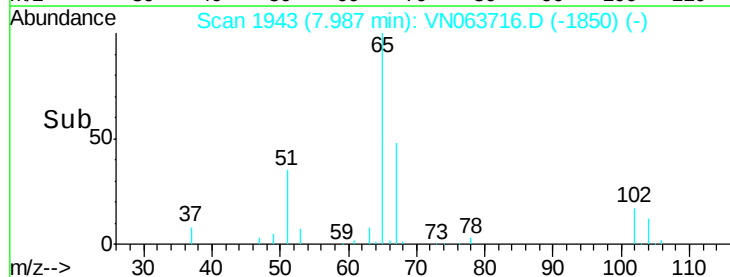
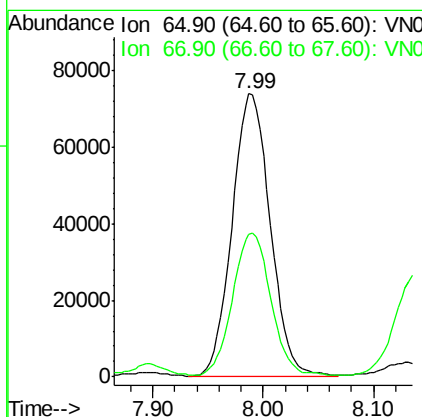
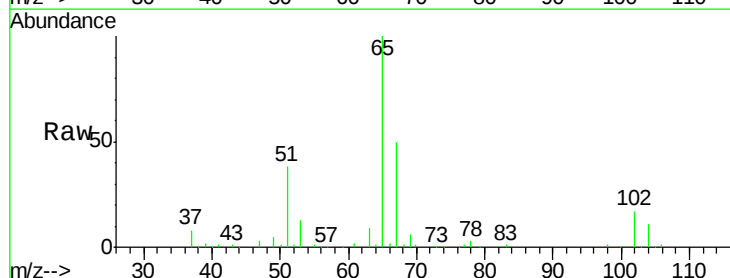
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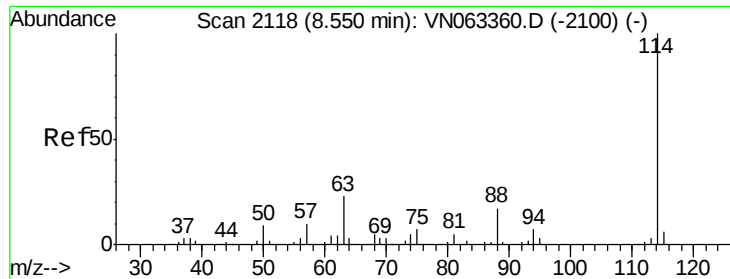
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#33
1,2-Dichloroethane-d4
Concen: 45.388 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	104.2





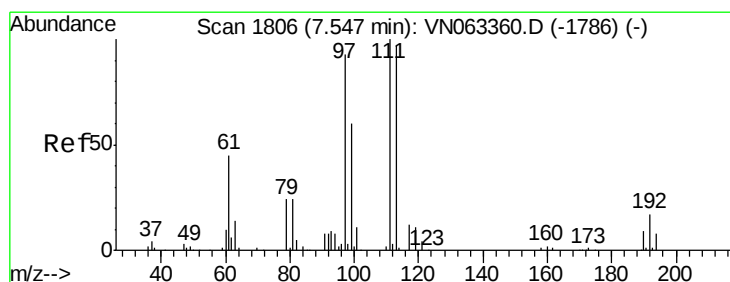
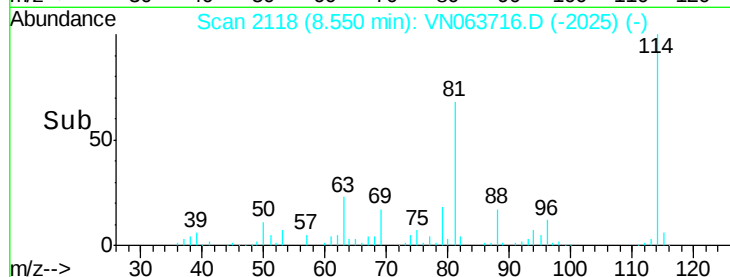
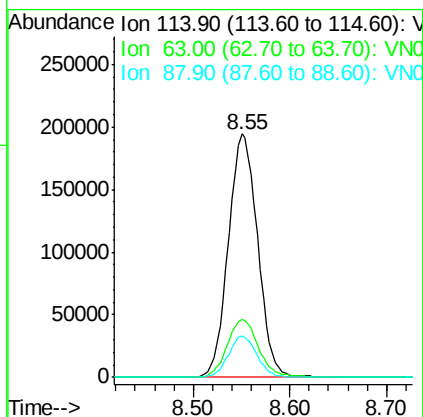
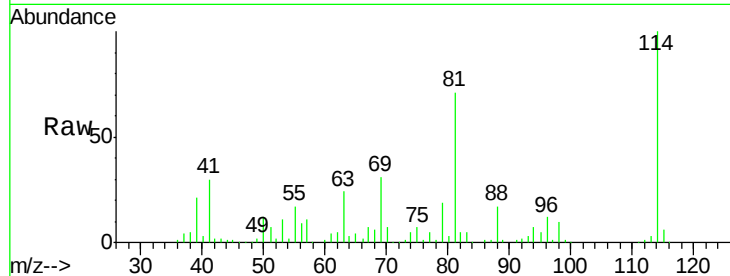
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
114	100	408755		
63	23.6		0.0	46.4
88	17.1		0.0	33.2

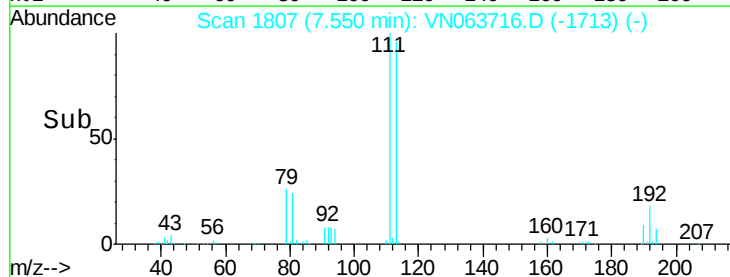
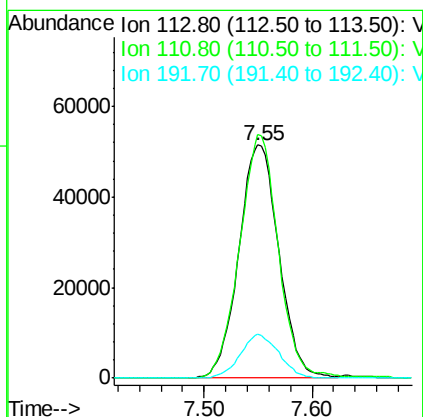
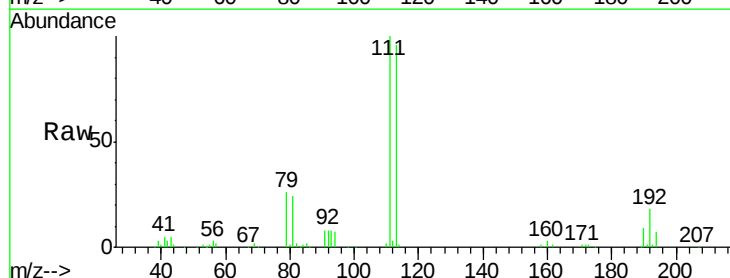
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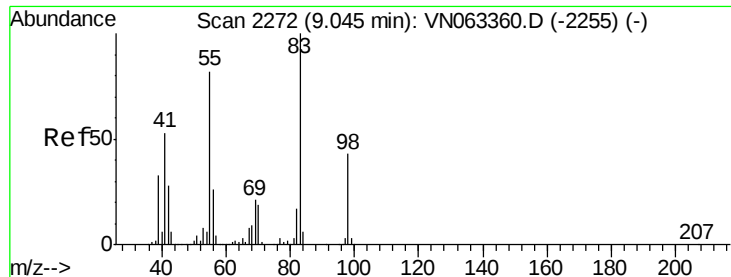
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#35
 Dibromofluoromethane
 Concen: 46.971 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	132915		
111	101.0		82.9	124.3
192	17.9		13.9	20.9





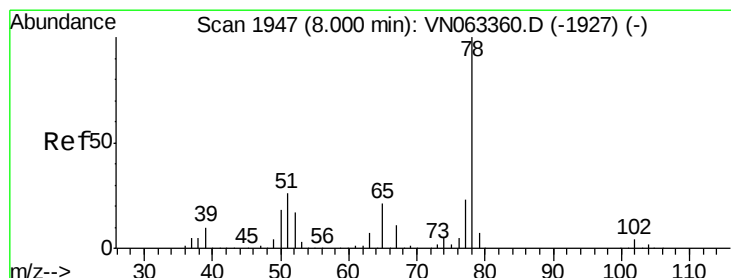
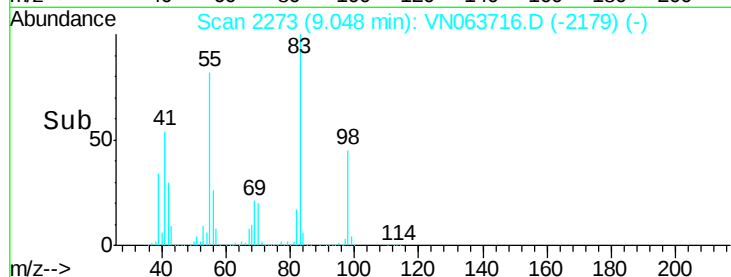
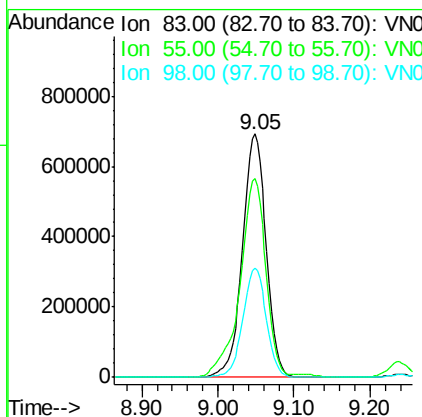
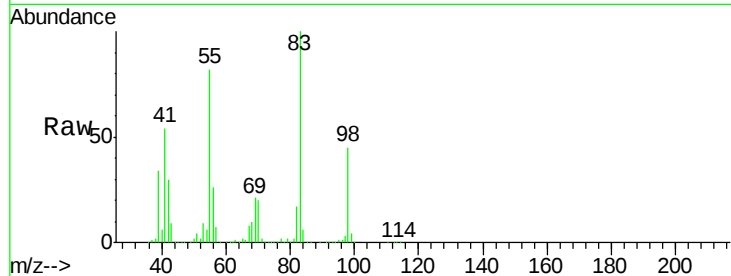
#39
Methvlcvclohexane
Concen: 317.002 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 83 Resp: 1498234
Ion Ratio Lower Upper
83 100
55 81.9 65.5 98.3
98 45.1 34.2 51.4

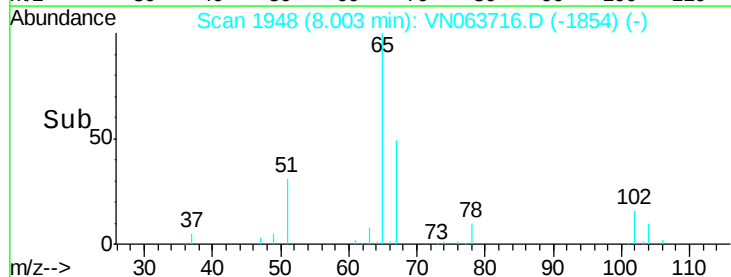
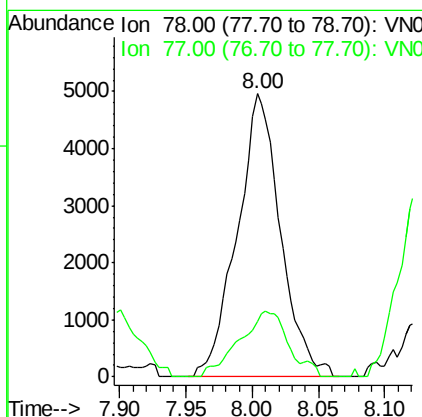
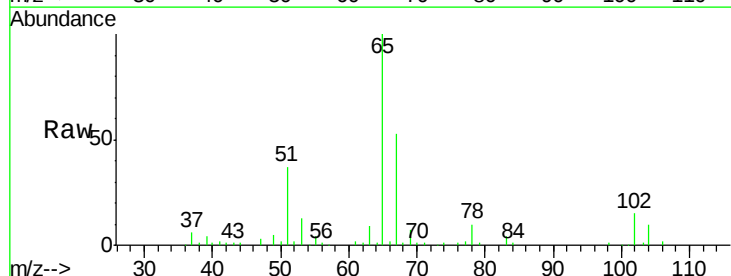
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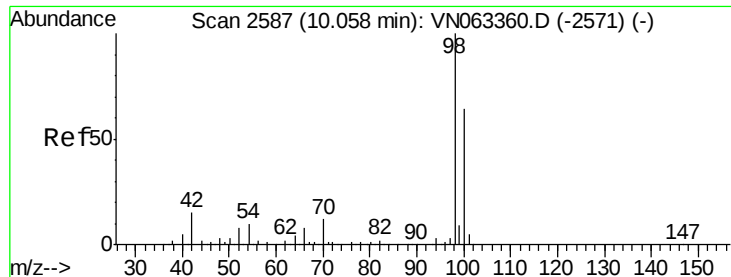
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#40
Benzene
Concen: 0.907 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 78 Resp: 11280
Ion Ratio Lower Upper
78 100
77 19.5 18.3 27.5





#50

Toluene-d8

Concen: 53.386 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

Tot Ion: 98 Resp: 568039

Ion Ratio Lower Upper

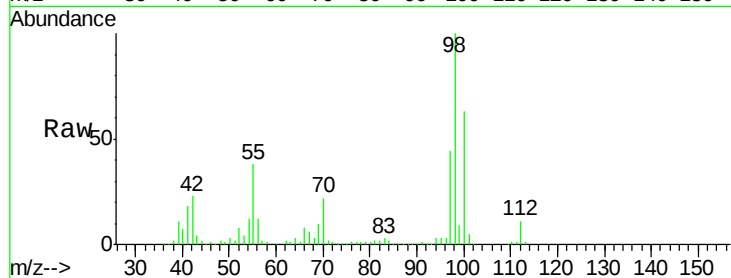
98 100

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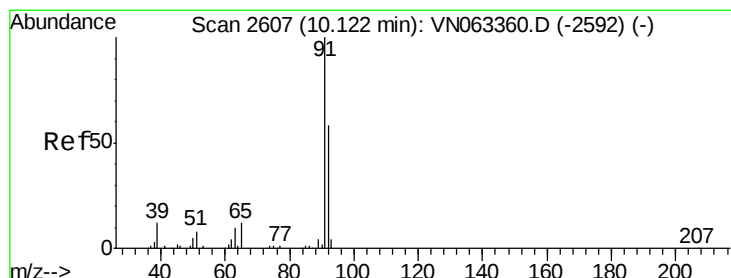
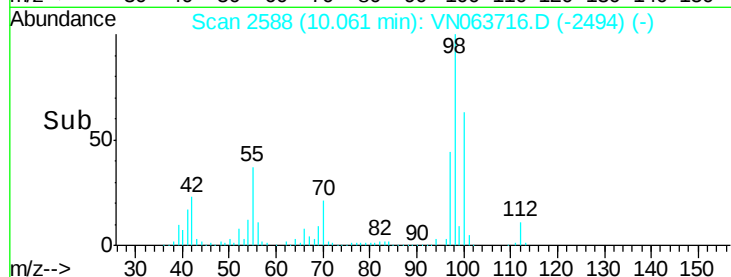
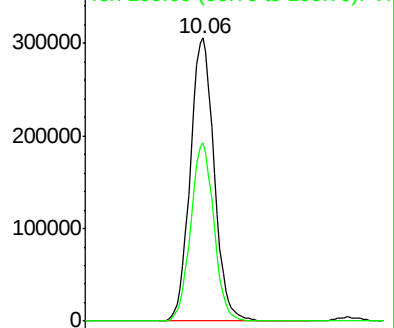
Manual Integrations
APPROVED

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Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#52

Toluene

Concen: 9.776 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063716.D

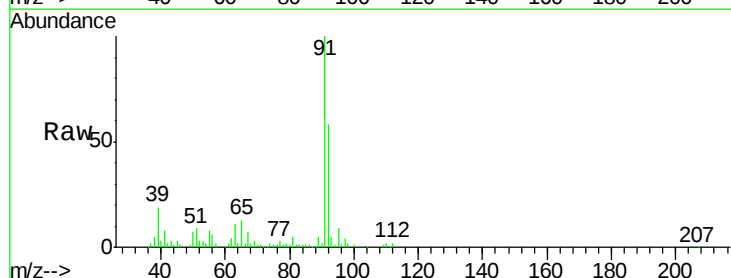
Acq: 28 Sep 2020 19:32

Tgt Ion: 92 Resp: 73064

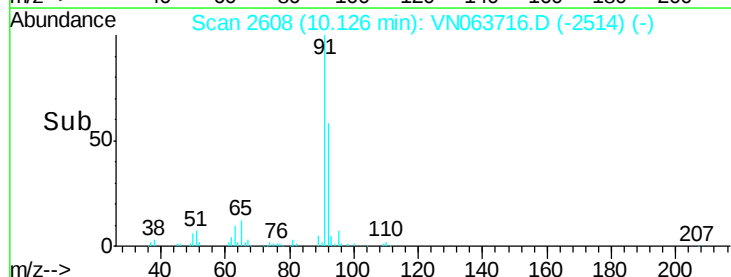
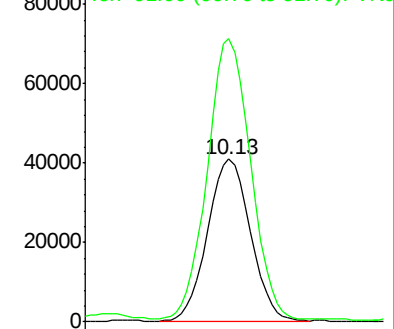
Ion Ratio Lower Upper

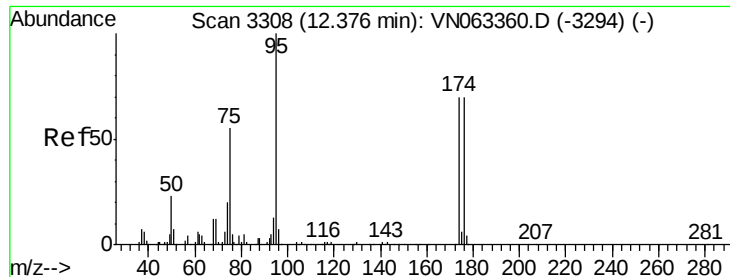
92 100

91 174.9 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)





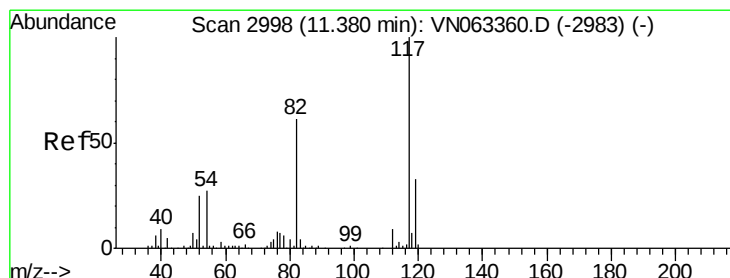
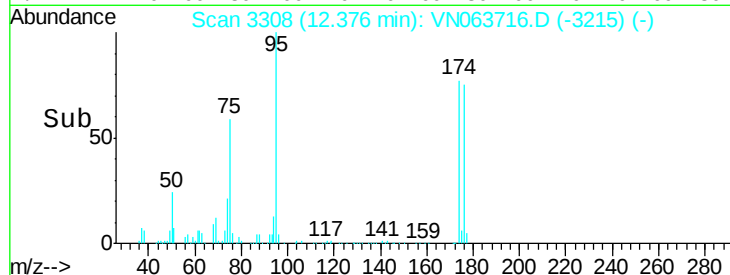
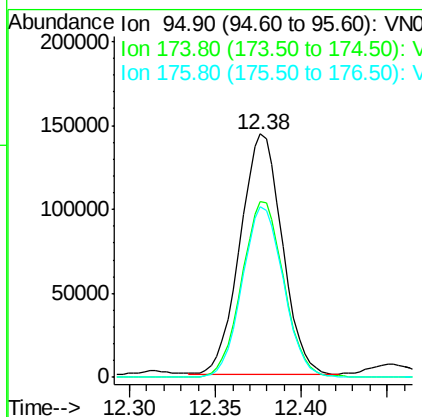
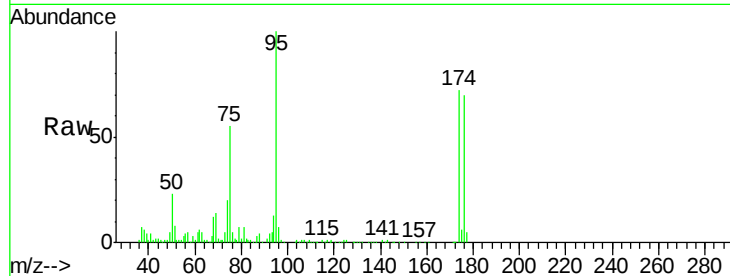
#62
4-Bromofluorobenzene
Concen: 62.145 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
95	100	242398		
174	73.3	0.0	140.8	
176	70.1	0.0	137.6	

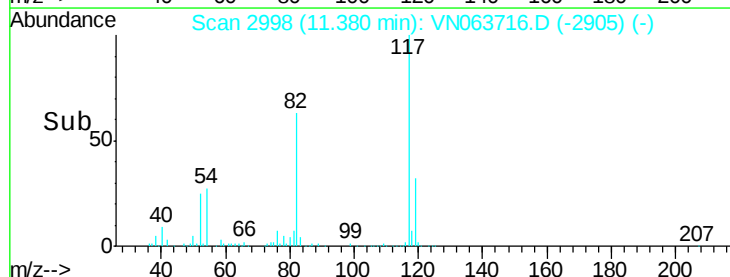
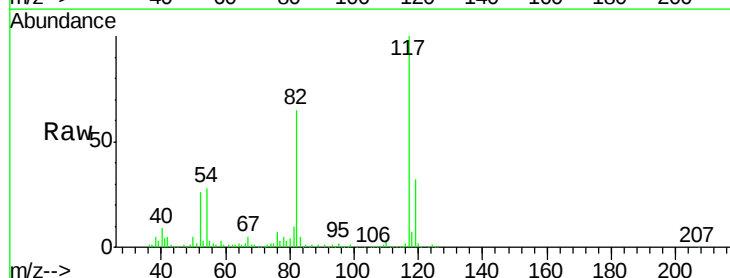
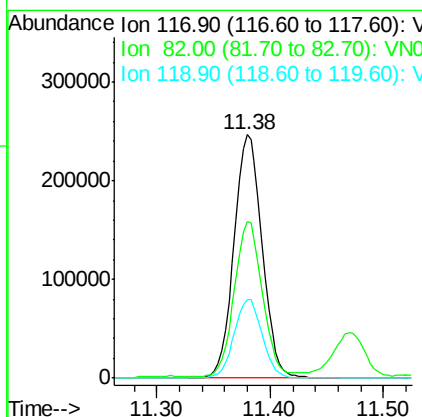
Manual Integrations
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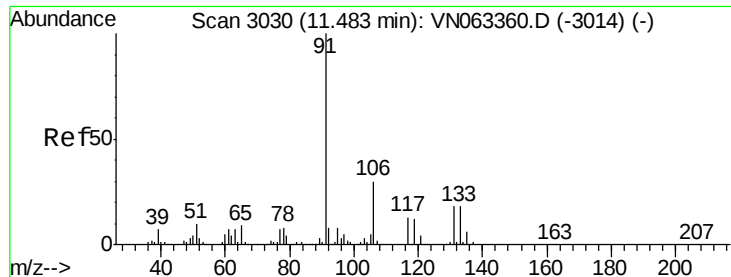
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	427507		
82	64.1	49.2	73.8	
119	32.4	26.2	39.4	





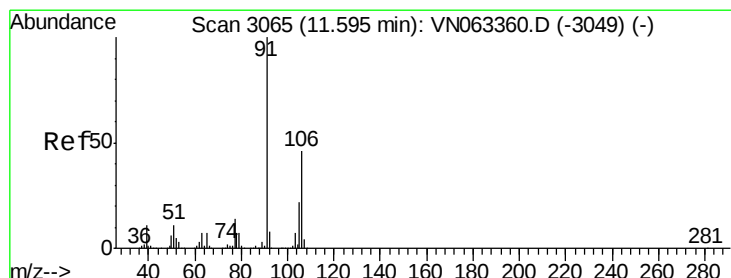
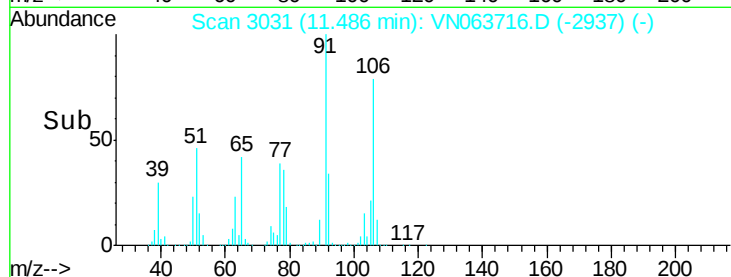
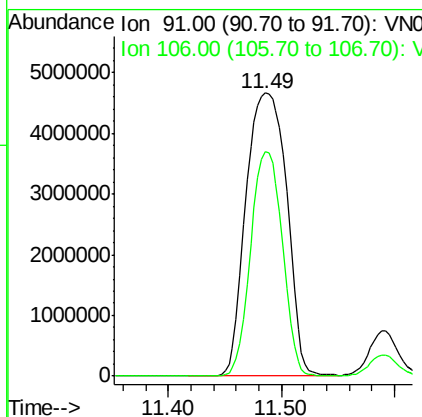
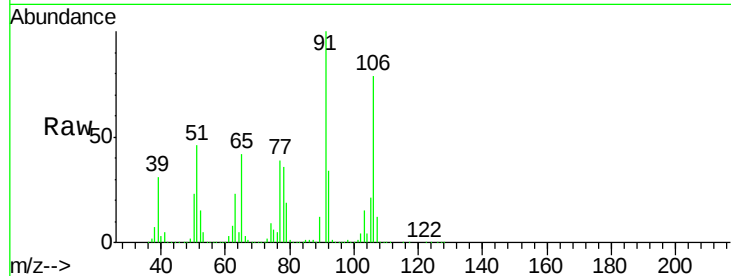
#67
Ethyl Benzene
Concen: 683.598 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 91 Resp: 11682362
Ion Ratio Lower Upper
91 100
106 79.3 23.8 35.6#

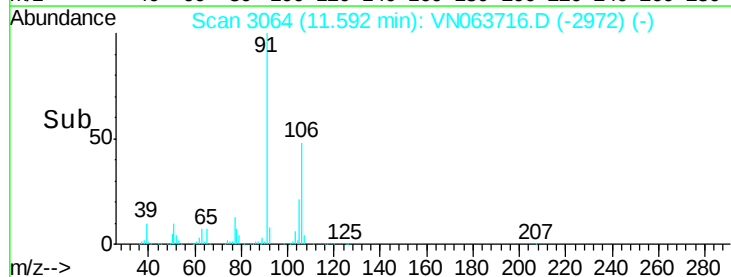
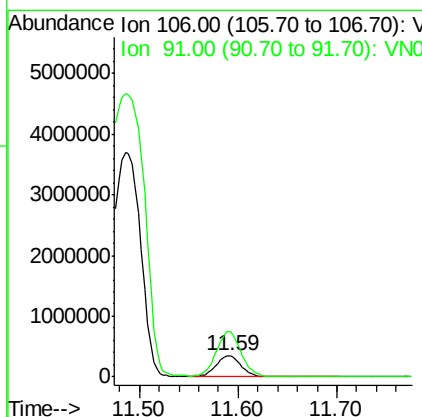
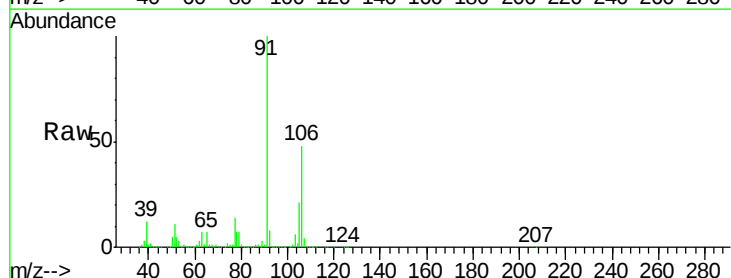
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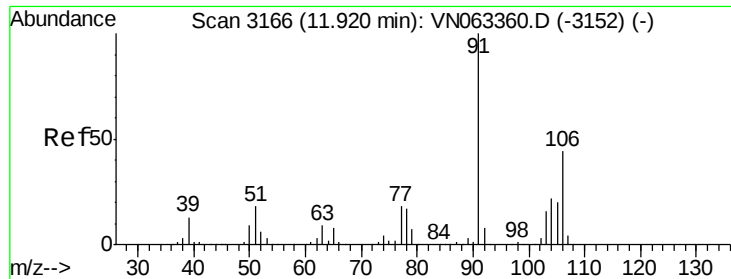
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#68
m/p-Xylenes
Concen: 101.234 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion: 106 Resp: 623765
Ion Ratio Lower Upper
106 100
91 212.9 171.2 256.8





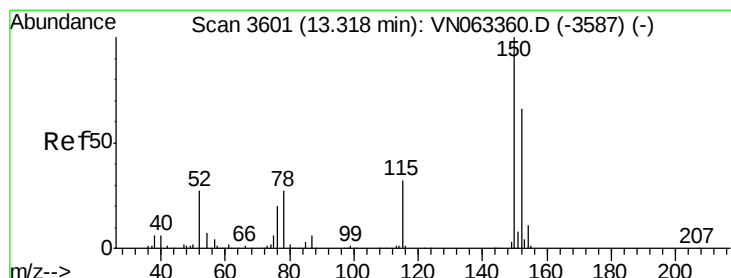
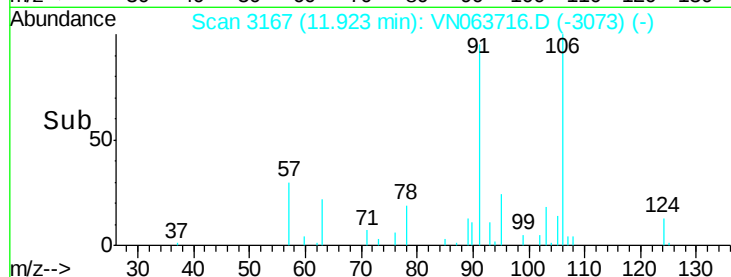
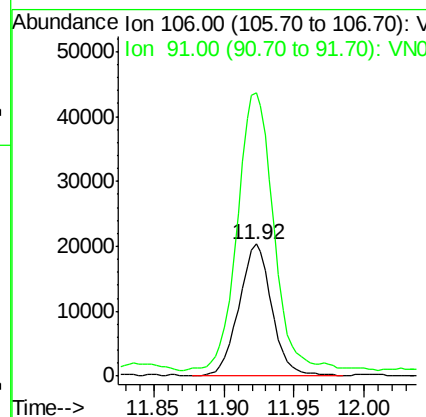
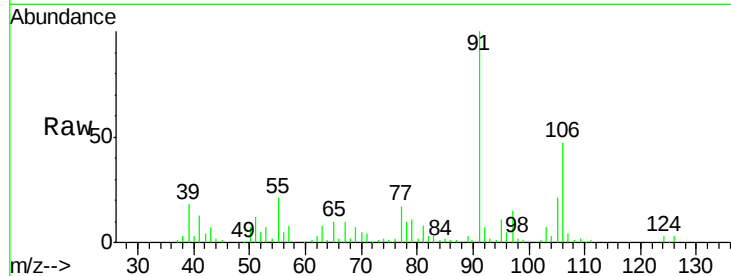
#69
o-Xylene
Concen: 5.679 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion:106 Resp: 33335
Ion Ratio Lower Upper
106 100
91 229.8 113.6 340.8

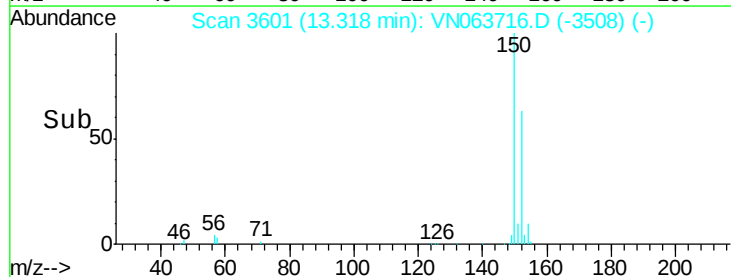
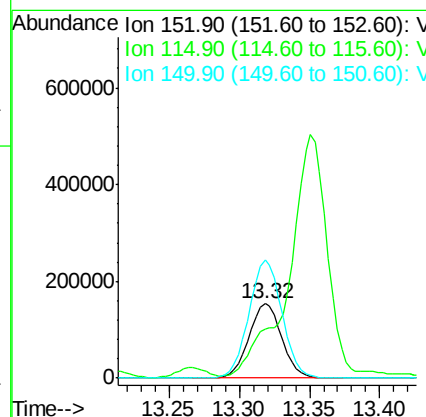
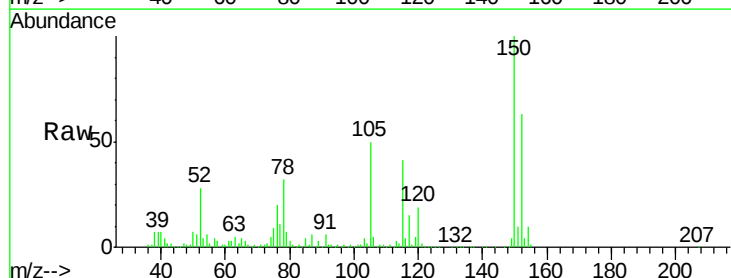
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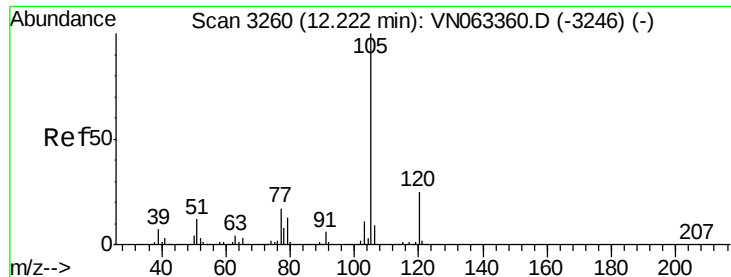
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Tgt Ion:152 Resp: 250759
Ion Ratio Lower Upper
152 100
115 0.0 32.2 96.6#
150 159.5 0.0 343.4





#73

Isopropylbenzene

Concen: 157.161 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

Tot Ion:105 Resp: 3158065

Ion Ratio Lower Upper

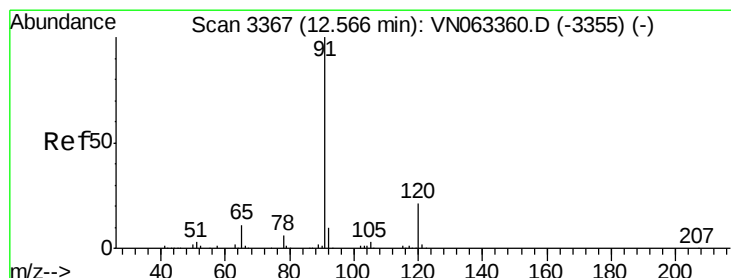
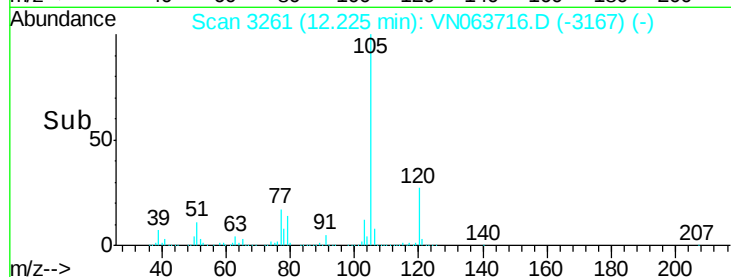
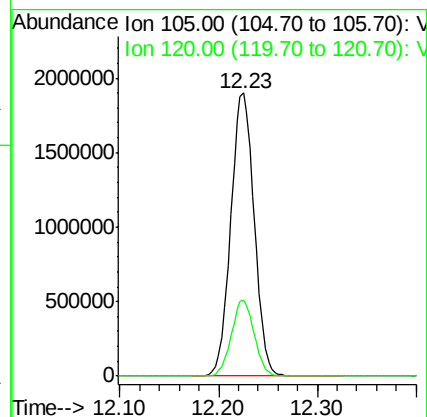
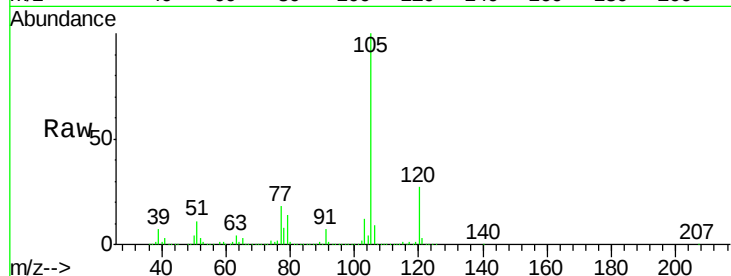
105 100

120 26.2 12.7 38.0

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#78

n-propylbenzene

Concen: 314.437 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063716.D

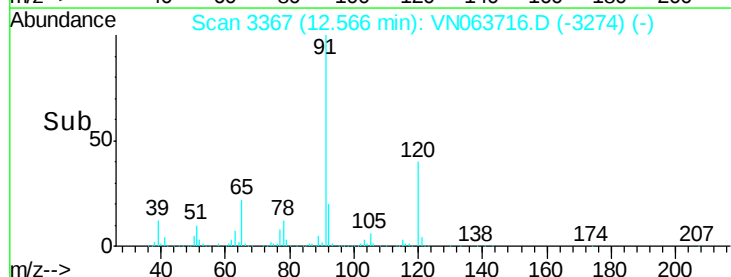
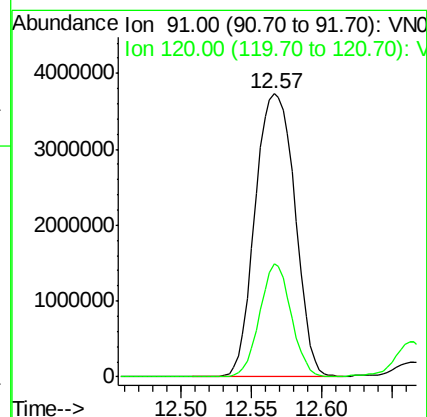
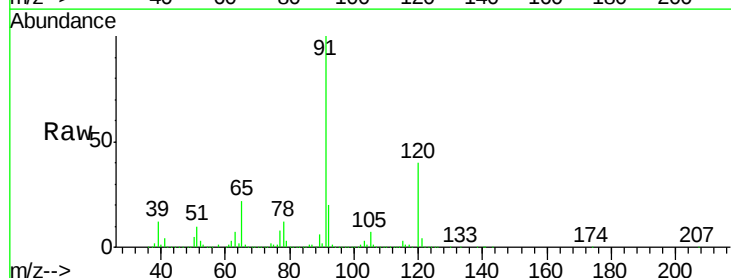
Acq: 28 Sep 2020 19:32

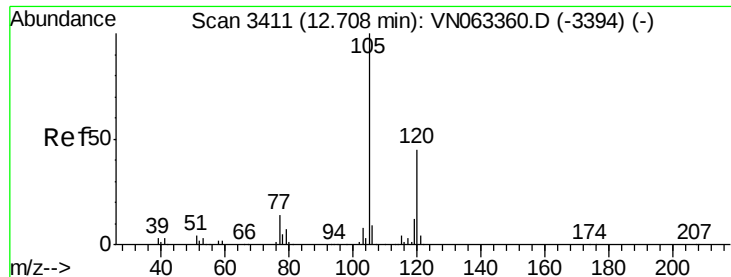
Tgt Ion: 91 Resp: 7359180

Ion Ratio Lower Upper

91 100

120 31.8 10.8 32.3





#80

1,3,5-Trimethylbenzene

Concen: 506.383 ug/l m

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

Tot Ion:105 Resp: 8485041

Ion Ratio Lower Upper

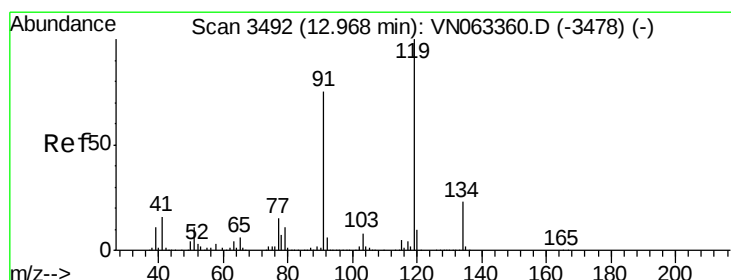
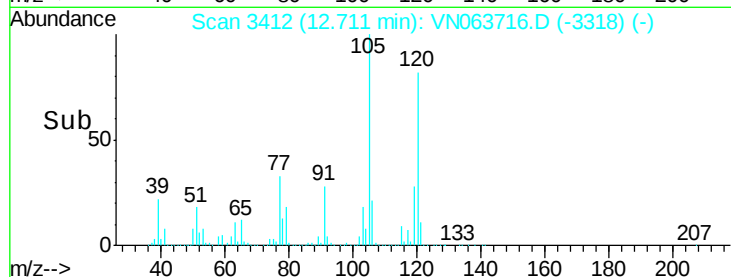
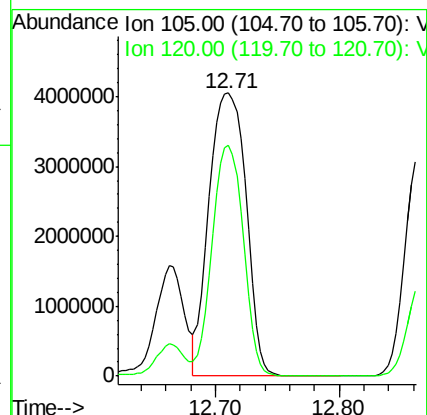
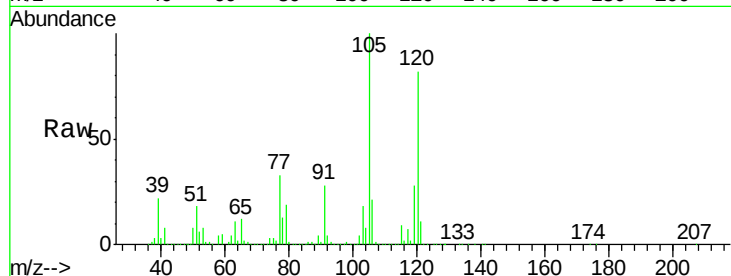
105 100

120 8.7 22.9 68.8#

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#83

tert-Butylbenzene

Concen: 1.514 ug/l m

RT: 12.98 min Scan# 3495

Delta R.T. 0.01 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

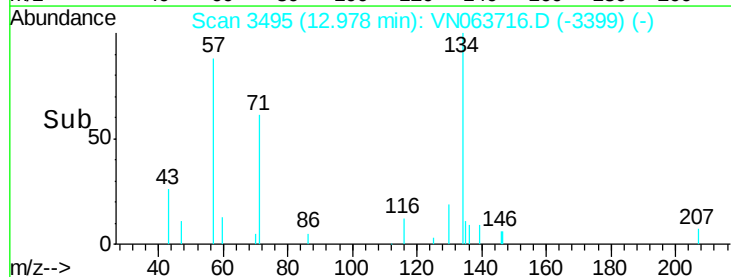
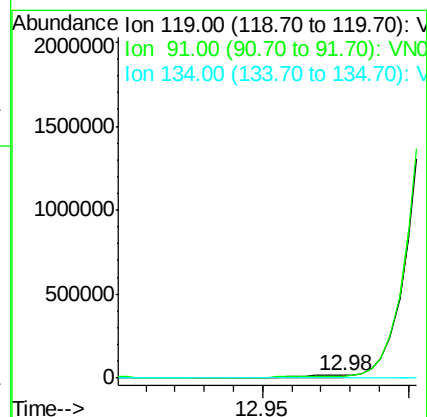
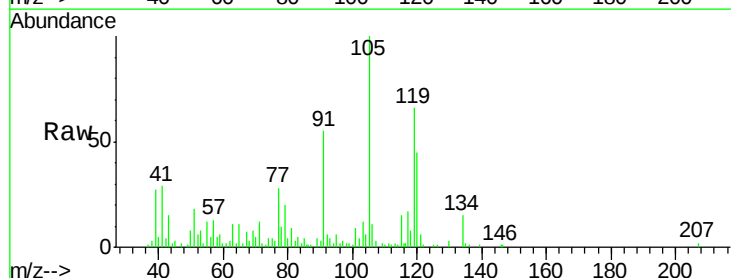
Tgt Ion:119 Resp: 20936

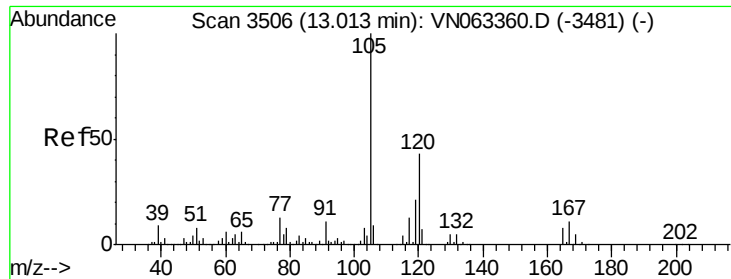
Ion Ratio Lower Upper

119 100

91 0.0 36.3 108.9#

134 0.0 12.3 36.8#





#84

1,2,4-Trimethylbenzene

Concen: 872.379 ug/l m

RT: 13.02 min Scan# 3509

Delta R.T. 0.01 min

Lab File: VN063716.D

Acq: 28 Sep 2020 19:32

Instrument :

MSVOA_N

ClientSampled :

TP-4

Tot Ion:105 Resp:14765137

Ion Ratio Lower Upper

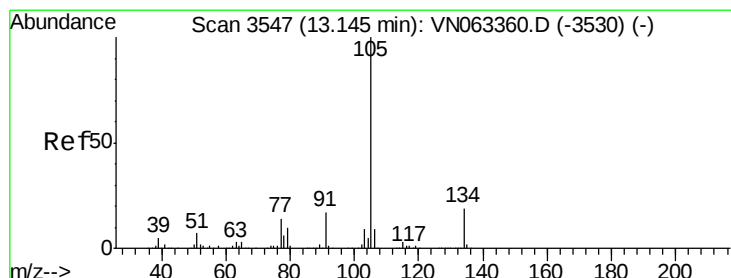
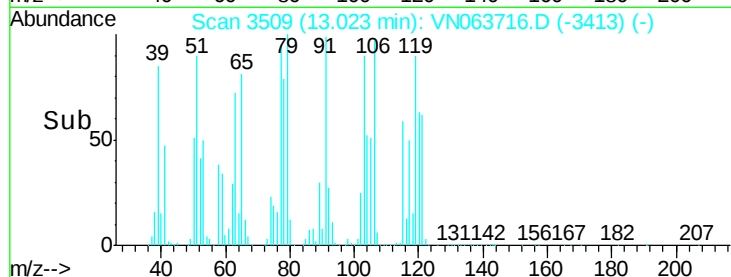
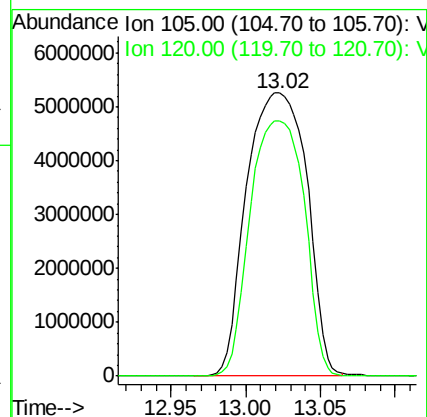
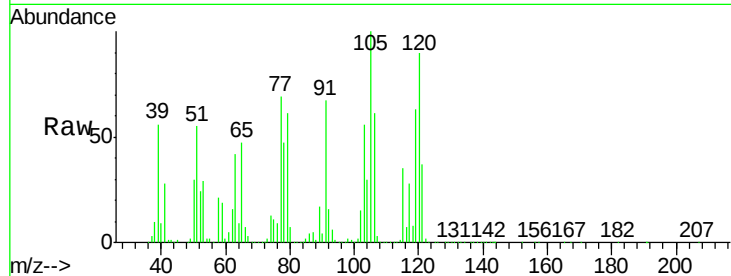
105 100

120 15.1 21.3 63.9#

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#85

sec-Butylbenzene

Concen: 28.356 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063716.D

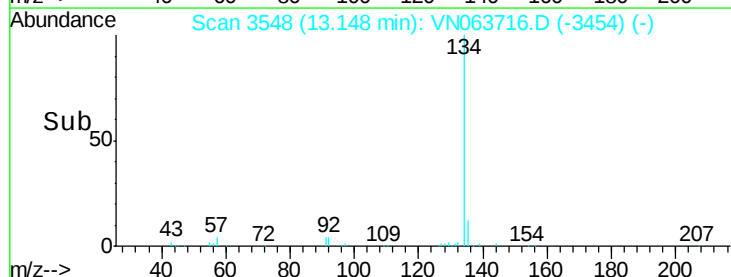
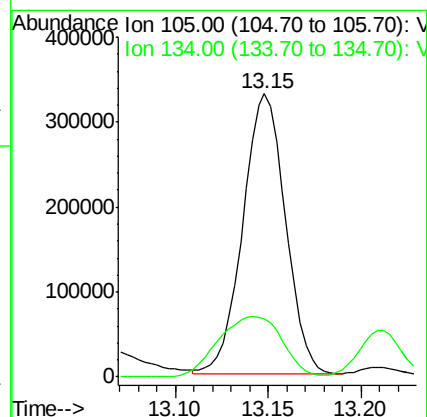
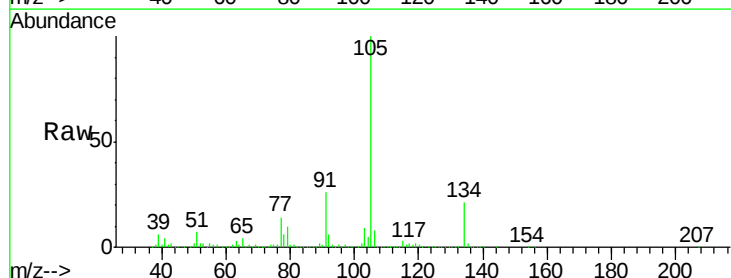
Acq: 28 Sep 2020 19:32

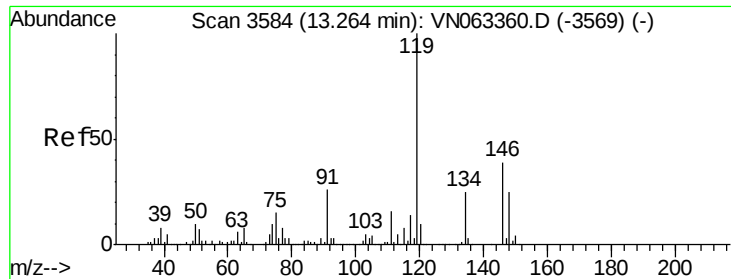
Tgt Ion:105 Resp: 524918

Ion Ratio Lower Upper

105 100

134 32.5 9.3 27.7#





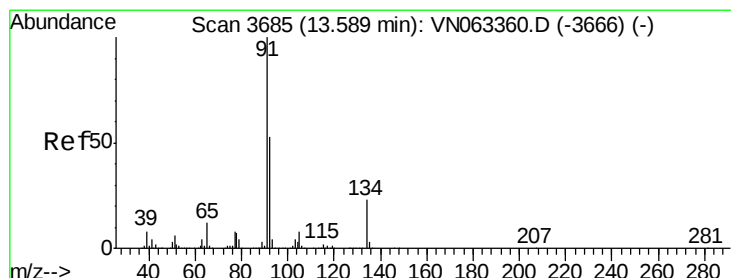
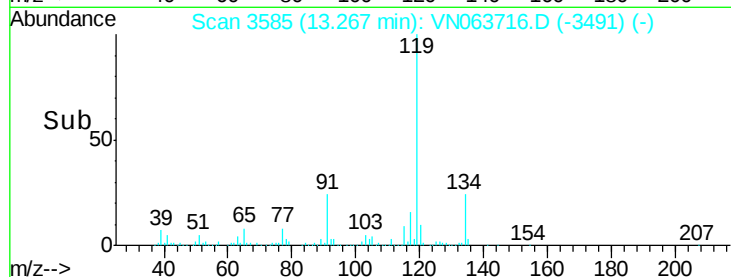
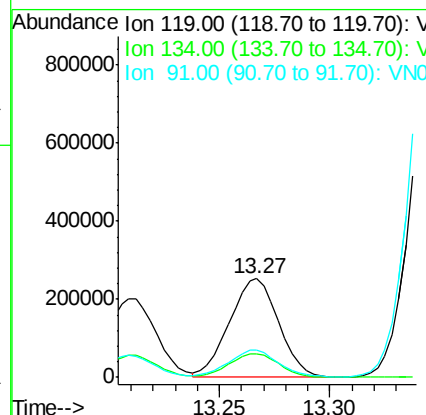
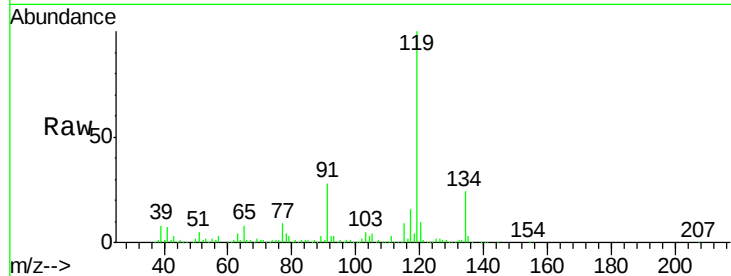
#86
 p-Isopropyltoluene
 Concen: 23.797 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	388551		
134	24.9		12.5	37.5
91	0.0		13.4	40.1#

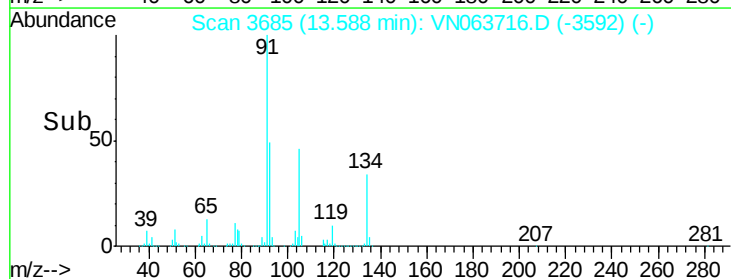
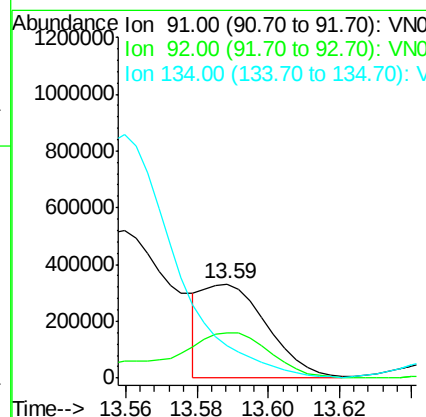
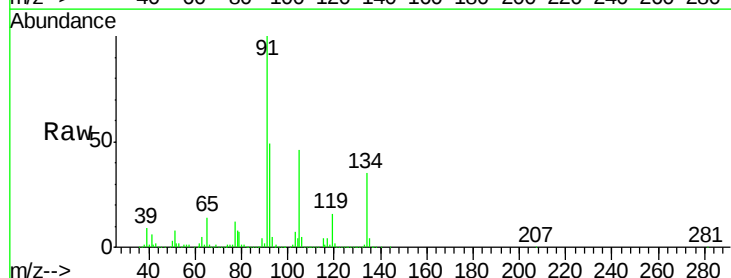
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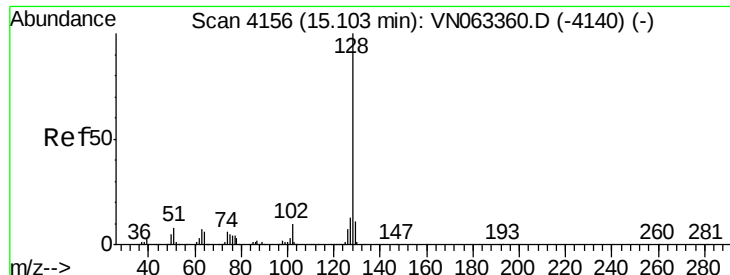
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#89
 n-Butylbenzene
 Concen: 27.828 ug/l m
 RT: 13.59 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN063716.D
 Acq: 28 Sep 2020 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	418806		
92	0.0		26.0	78.0#
134	374.3		11.7	35.0#





#95
Naphthalene
Concen: 502.410 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063716.D
Acq: 28 Sep 2020 19:32

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.5	10.6	15.8#
129	15.5	8.8	13.2#

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