

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063632.D
 Acq On : 24 Sep 2020 16:40
 Operator : JC/MD
 Sample : L4056-01 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 228

Quant Time: Sep 24 17:03:13 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	198389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	371904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	375528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	169803	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.55	113	126145	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	10.06	98	479106	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	191013	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	

Target Compounds

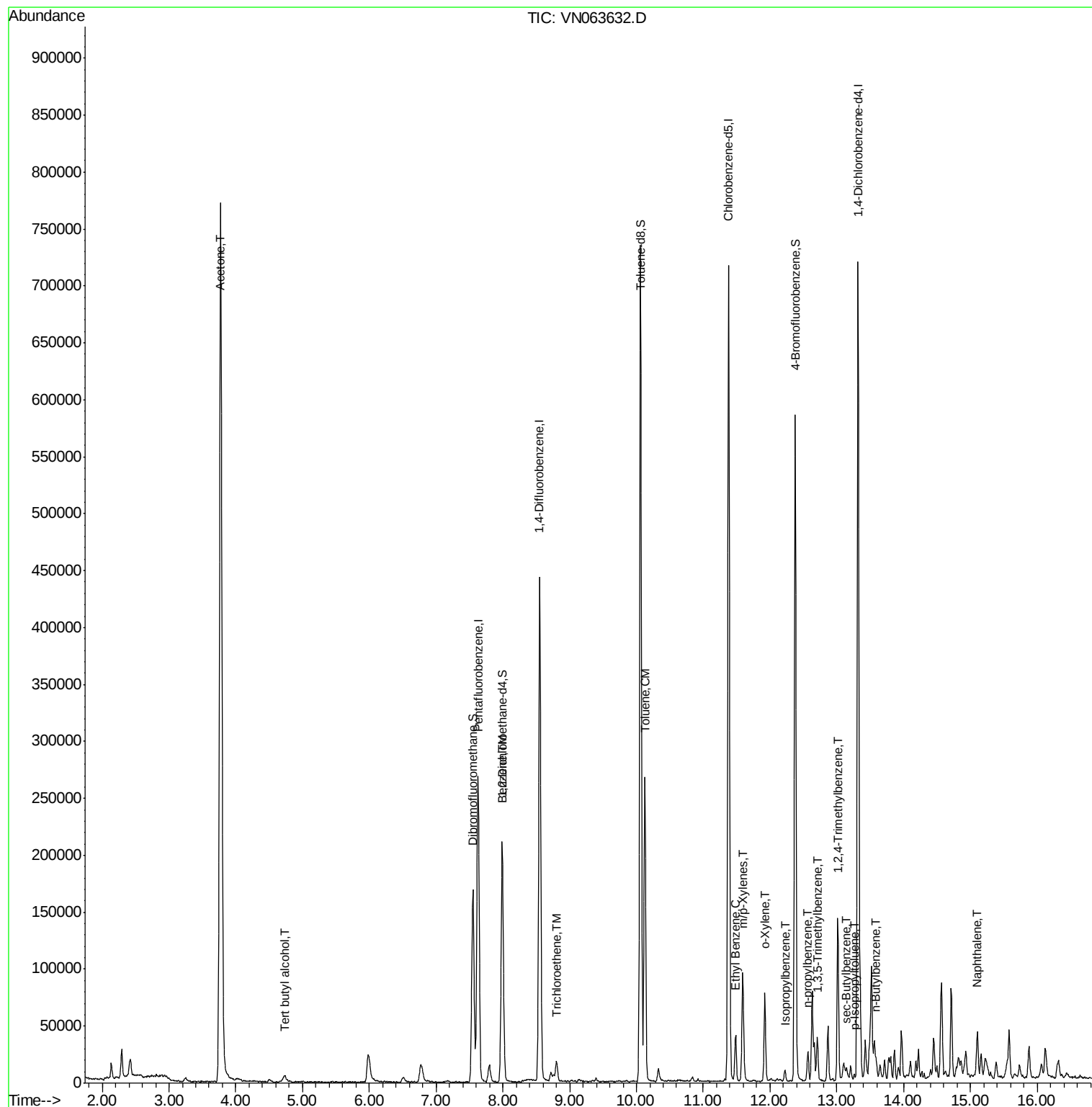
						Qvalue
11) Tert butyl alcohol	4.74	59	9802	20.951	ug/l	95
16) Acetone	3.77	43	1291363	1189.818	ug/l	99
40) Benzene	8.00	78	15578	1.377	ug/l	91
44) Trichloroethene	8.80	130	5886	2.146	ug/l	89
52) Toluene	10.13	92	109447	16.095	ug/l	99
67) Ethyl Benzene	11.49	91	27904	1.859	ug/l	95
68) m/p-Xylenes	11.59	106	29289	5.411	ug/l	93
69) o-Xylene	11.92	106	19358	3.754	ug/l	92
73) Isopropylbenzene	12.22	105	6080	0.451	ug/l	95
78) n-propylbenzene	12.57	91	20160	1.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	17372	1.544	ug/l	92
84) 1,2,4-Trimethylbenzene	13.02	105	80053	7.044	ug/l	97
85) sec-Butylbenzene	13.15	105	5686	0.457	ug/l	88
86) p-Isopropyltoluene	13.27	119	2548	0.232	ug/l	93
89) n-Butylbenzene	13.59	91	4386	0.434	ug/l #	65
95) Naphthalene	15.11	128	32030	2.978	ug/l	99

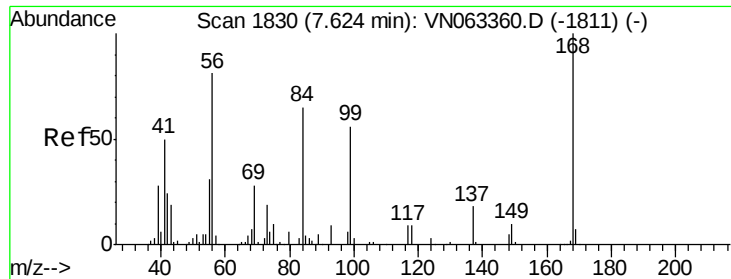
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063632.D

Acq: 24 Sep 2020 16:40

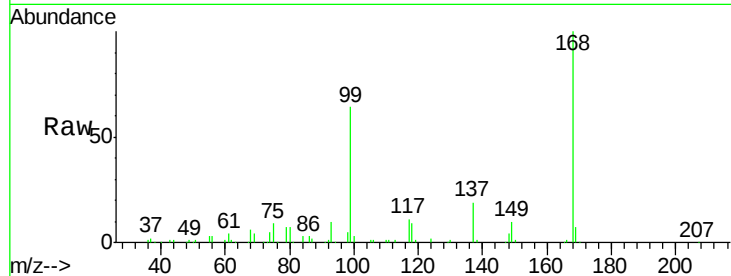
Instrument :
MSVOA_N
ClientSampled :
228

Tot Ion:168 Resp: 198389

Ion Ratio Lower Upper

168 100

99 64.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

0

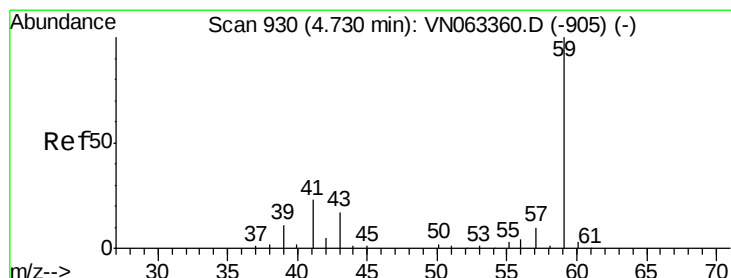
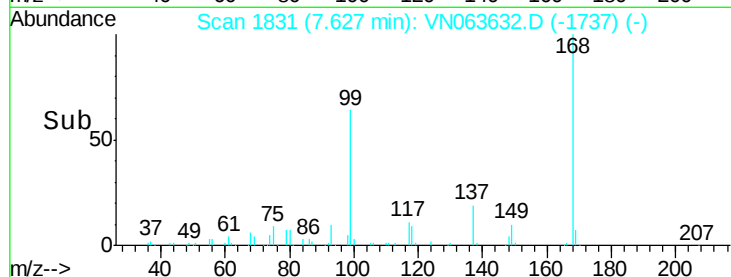
Time-->

7.50

7.60

7.70

7.80



#11

Tert butyl alcohol

Concen: 20.951 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN063632.D

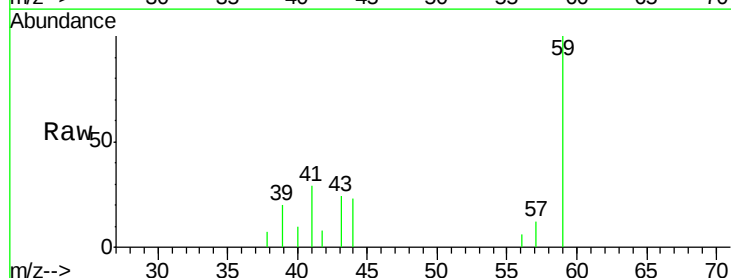
Acq: 24 Sep 2020 16:40

Tgt Ion: 59 Resp: 9802

Ion Ratio Lower Upper

59 100

57 8.6 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

3000

2500

2000

1500

1000

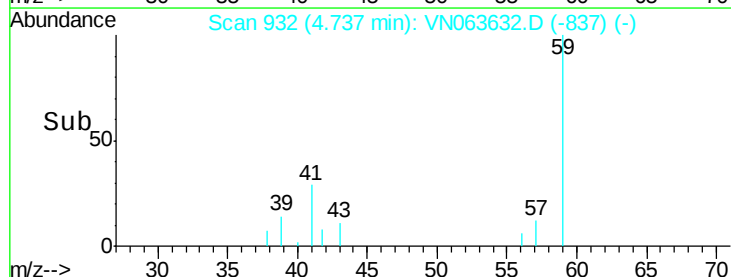
500

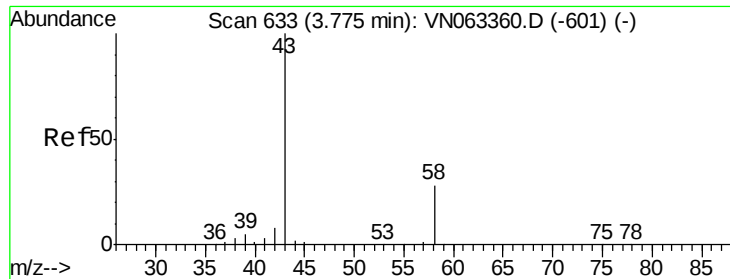
0

Time-->

4.70

4.80





#16

Acetone

Concen: 1189.818 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

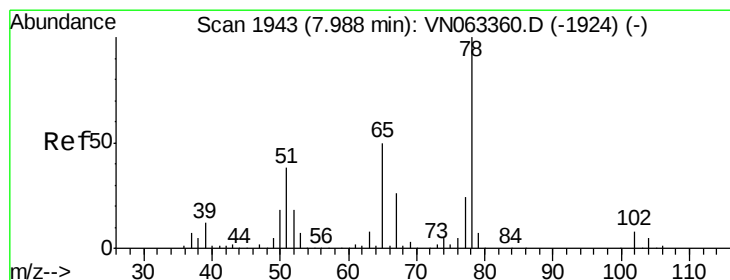
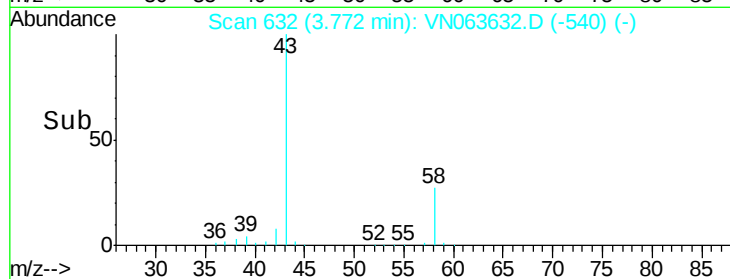
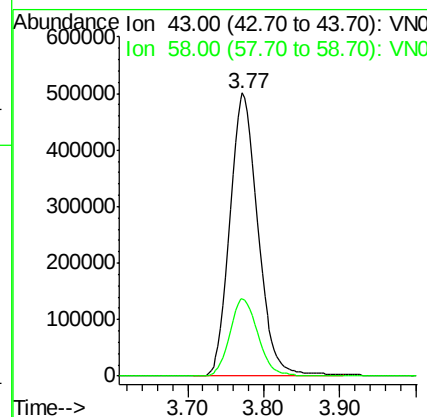
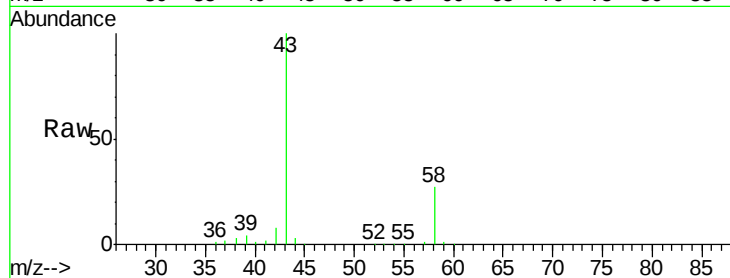
228

Tot Ion: 43 Resp: 1291363

Ion Ratio Lower Upper

43 100

58 27.5 22.3 33.5



#33

1,2-Dichloroethane-d4

Concen: 50.281 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063632.D

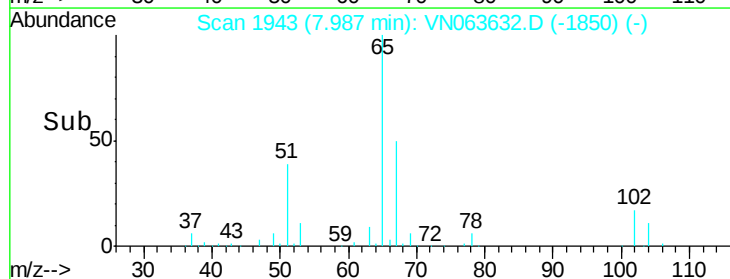
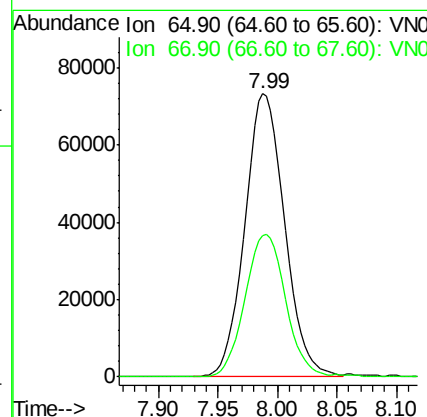
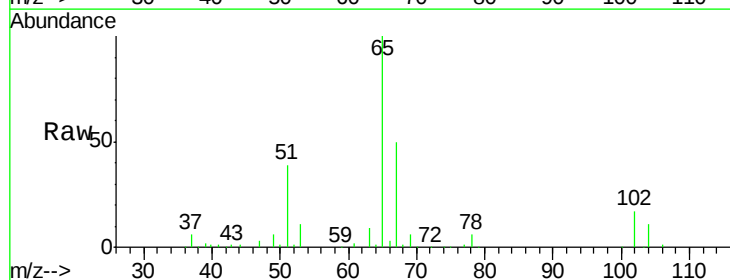
Acq: 24 Sep 2020 16:40

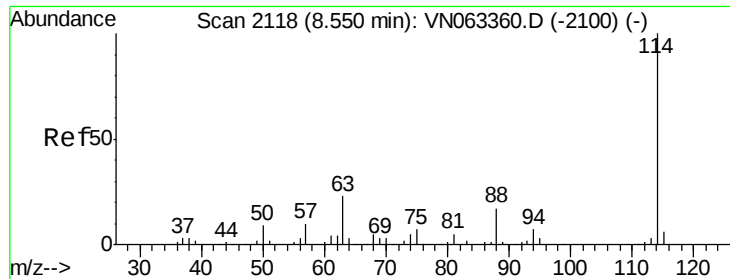
Tgt Ion: 65 Resp: 169803

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.2

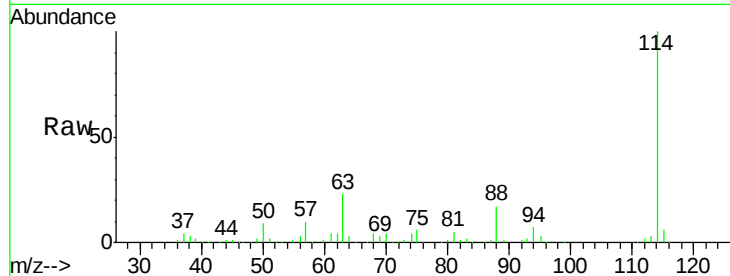




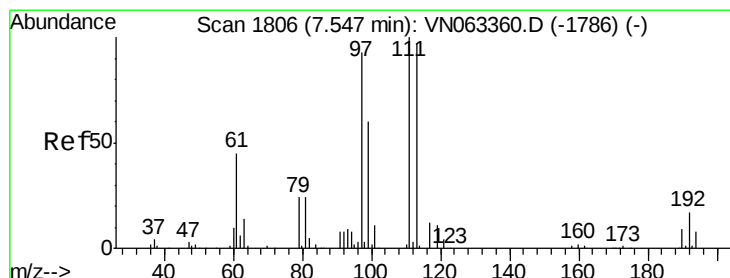
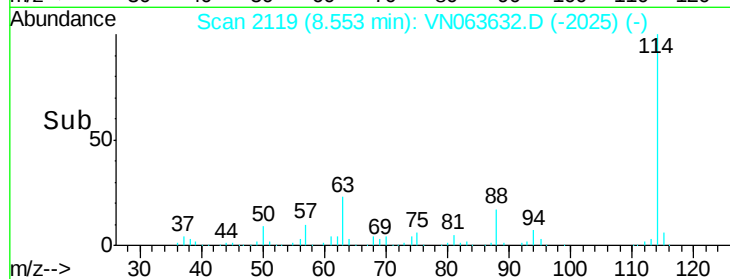
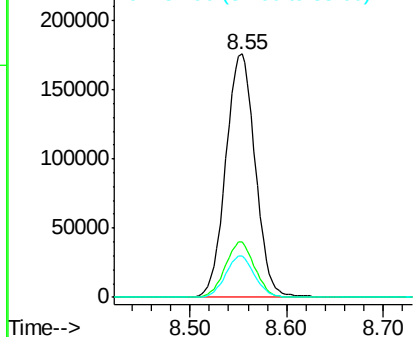
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
228

Tot Ion:114 Resp: 371904
Ion Ratio Lower Upper
114 100
63 22.6 0.0 46.4
88 16.9 0.0 33.2

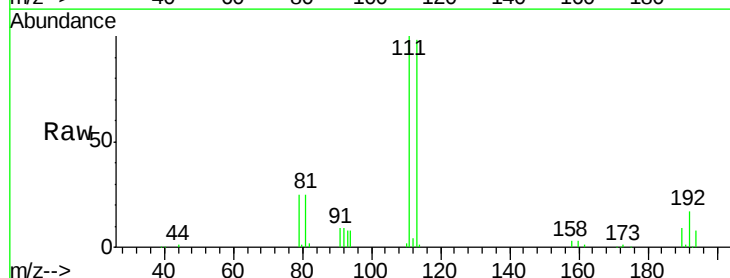


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

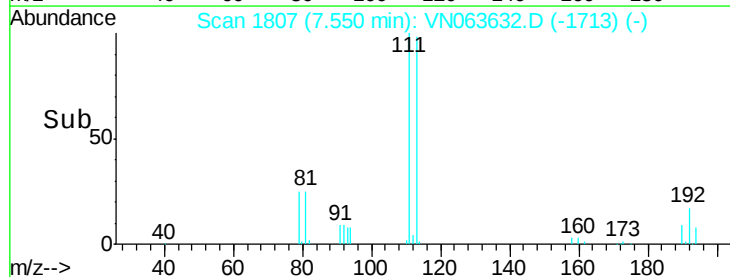
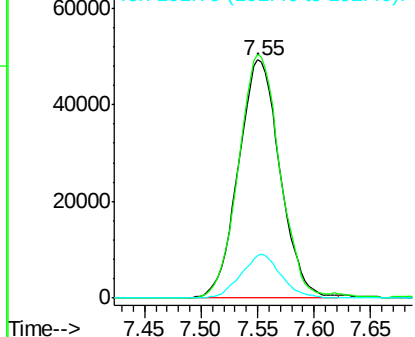


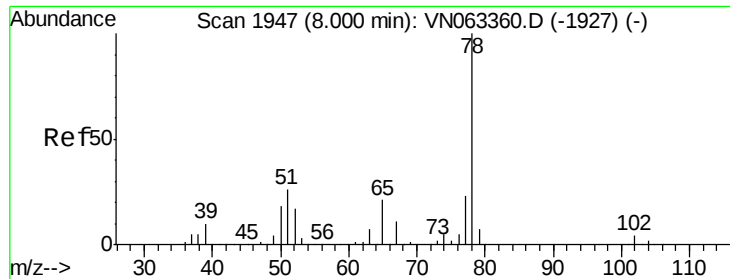
#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Tgt Ion:113 Resp: 126145
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 17.6 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.377 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

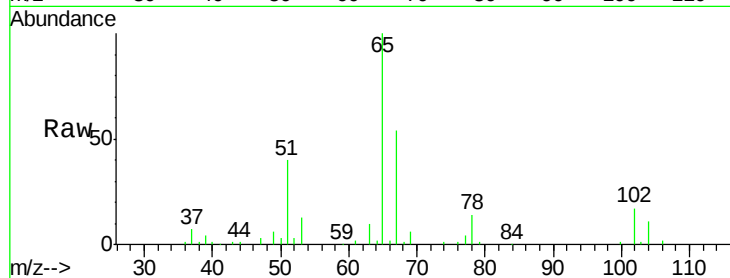
228

Tot Ion: 78 Resp: 15578

Ion Ratio Lower Upper

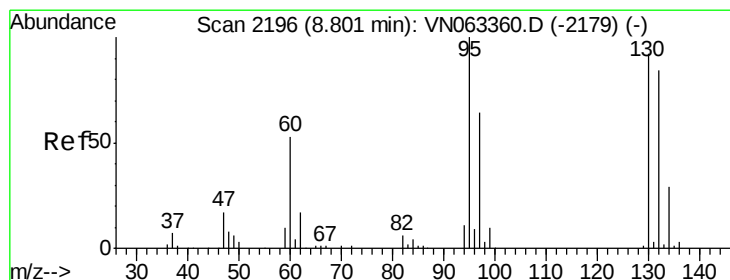
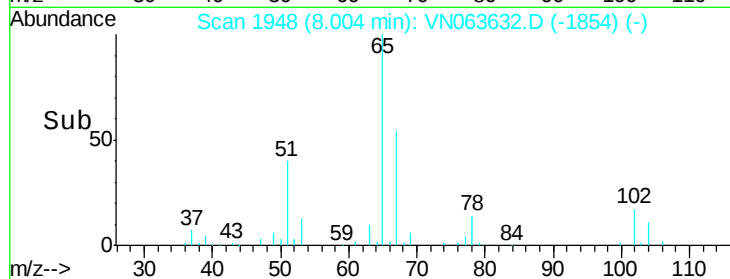
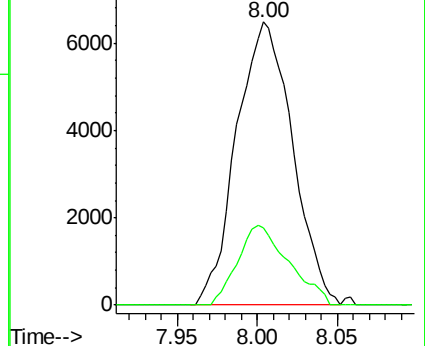
78 100

77 27.2 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN063360.D (-1927) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-1927) (-)



#44

Trichloroethene

Concen: 2.146 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063632.D

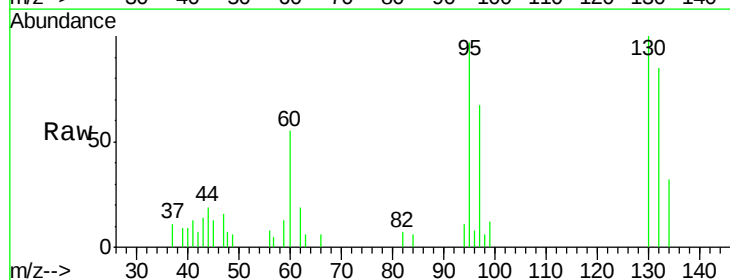
Acq: 24 Sep 2020 16:40

Tgt Ion:130 Resp: 5886

Ion Ratio Lower Upper

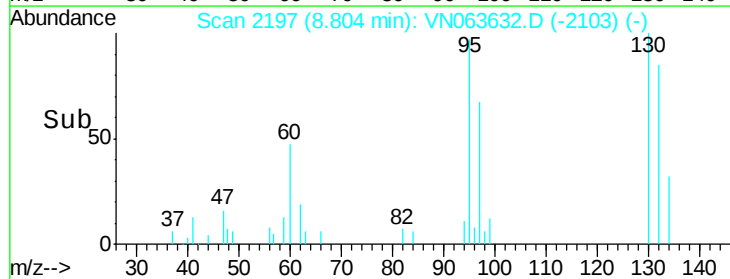
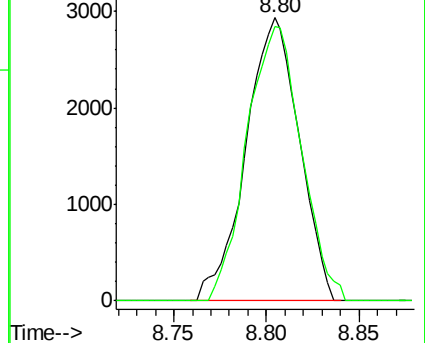
130 100

95 97.1 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)





#50

Toluene-d8

Concen: 49.489 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

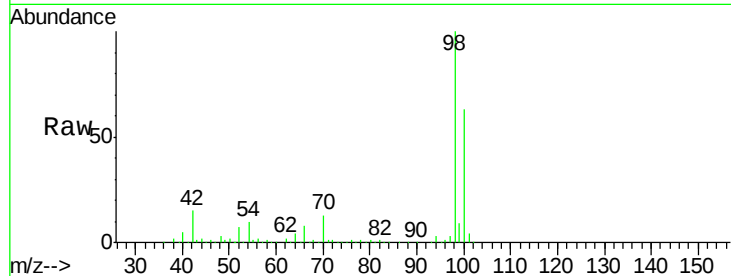
228

Tot Ion: 98 Resp: 479106

Ion Ratio Lower Upper

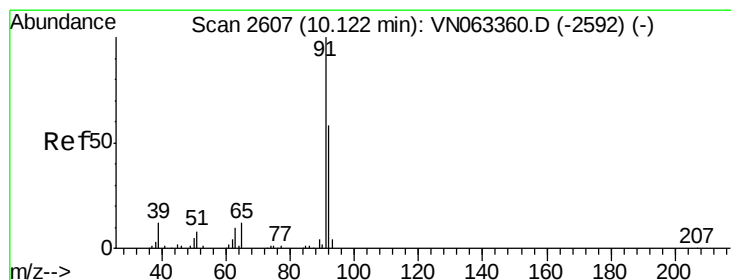
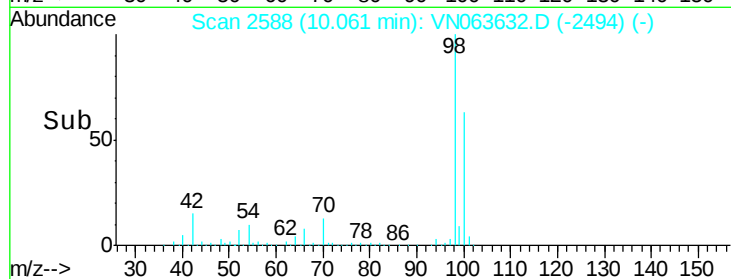
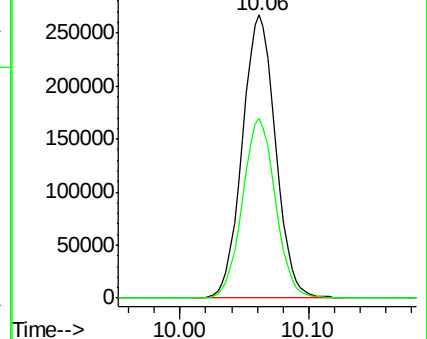
98 100

100 62.8 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)



#52

Toluene

Concen: 16.095 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063632.D

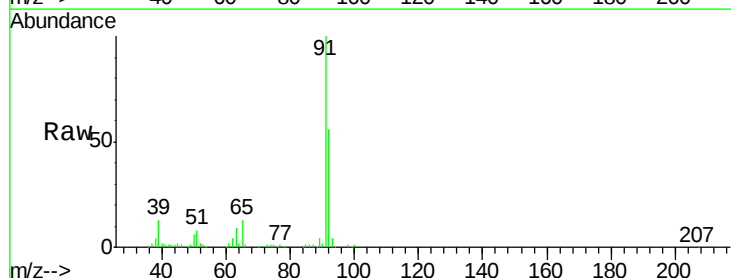
Acq: 24 Sep 2020 16:40

Tgt Ion: 92 Resp: 109447

Ion Ratio Lower Upper

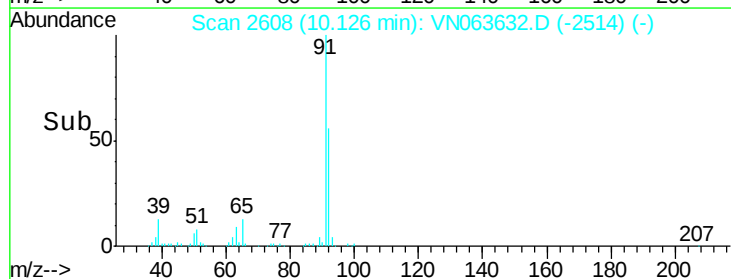
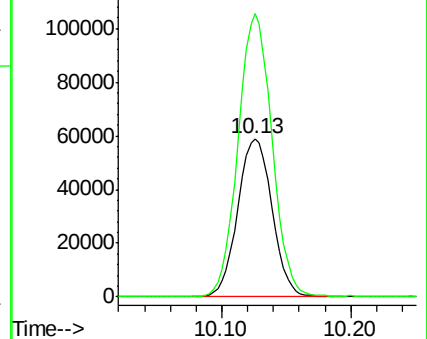
92 100

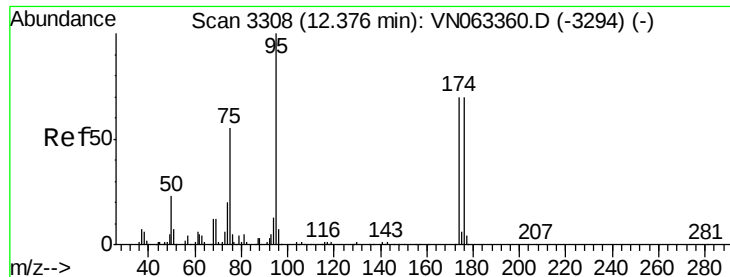
91 176.5 139.7 209.5



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

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)





#62

4-Bromofluorobenzene

Concen: 53.823 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

228

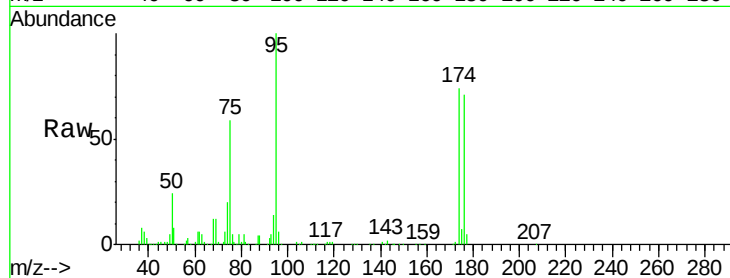
Tot Ion: 95 Resp: 191013

Ion Ratio Lower Upper

95 100

174 73.4 0.0 140.8

176 70.1 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063632.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063632.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063632.D (-3215) (-)

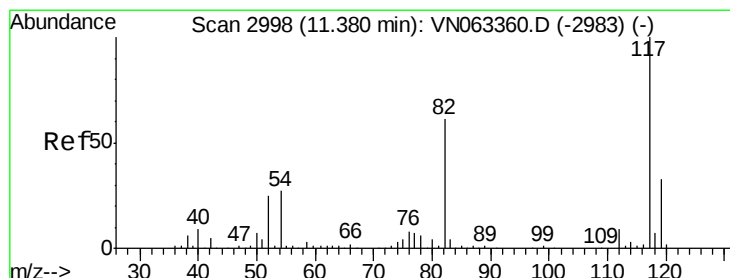
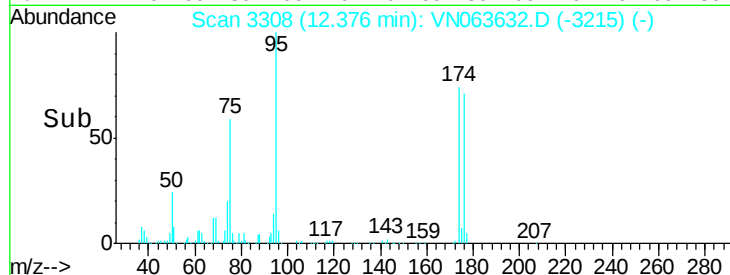
12.38

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

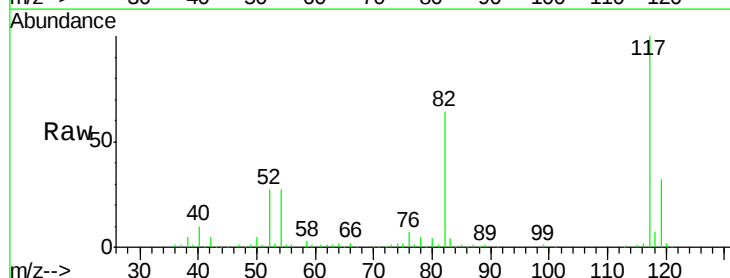
Tgt Ion: 117 Resp: 375528

Ion Ratio Lower Upper

117 100

82 63.5 49.2 73.8

119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VN063632.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063632.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063632.D (-2905) (-)

11.38

250000

200000

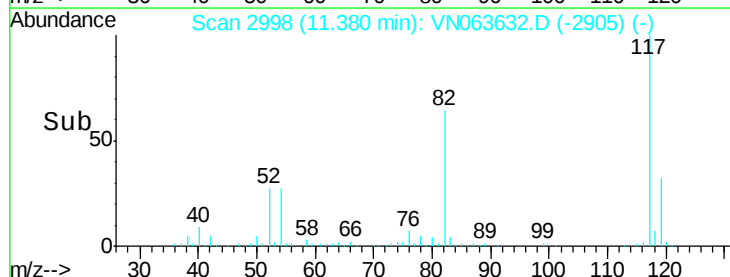
150000

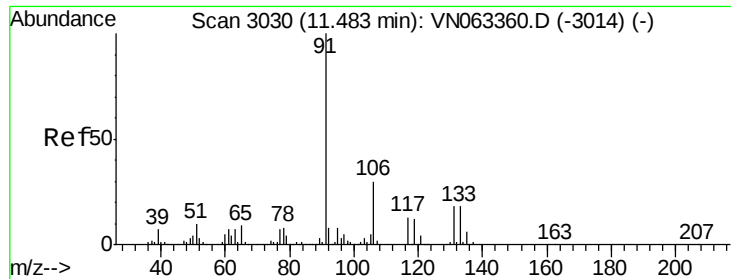
100000

50000

0

Time-->

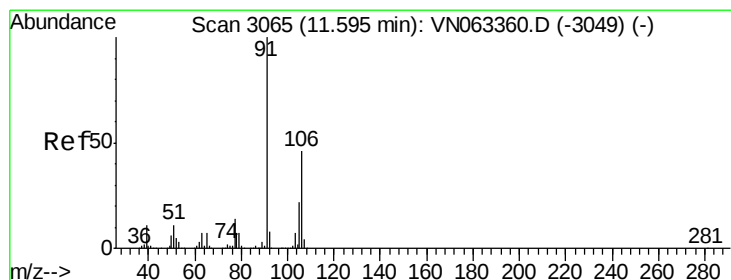
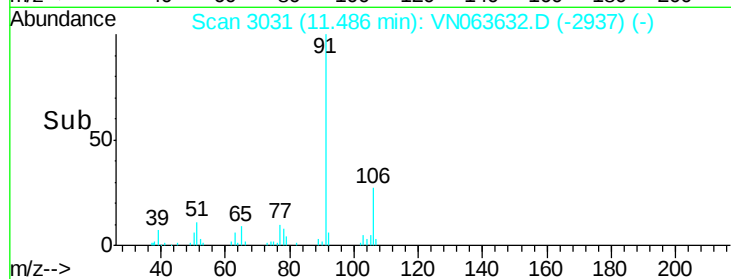
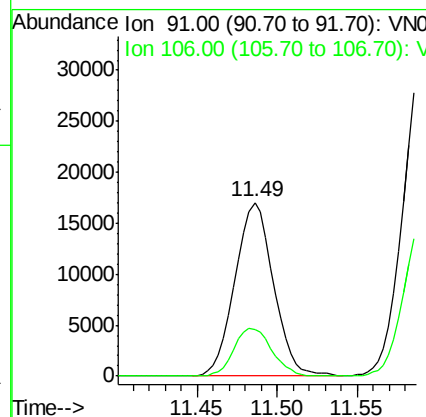
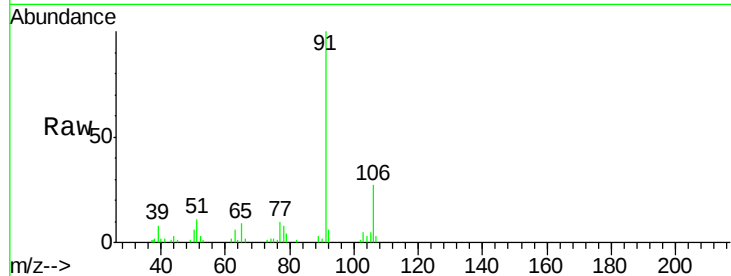




#67
Ethyl Benzene
Concen: 1.859 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

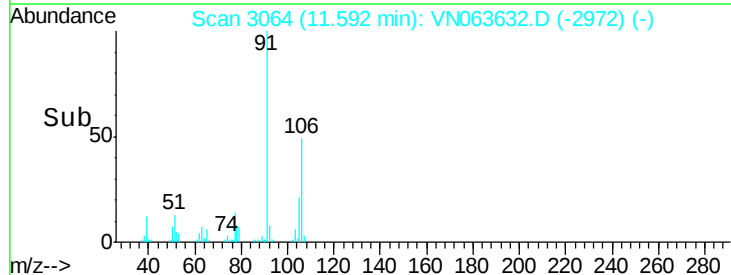
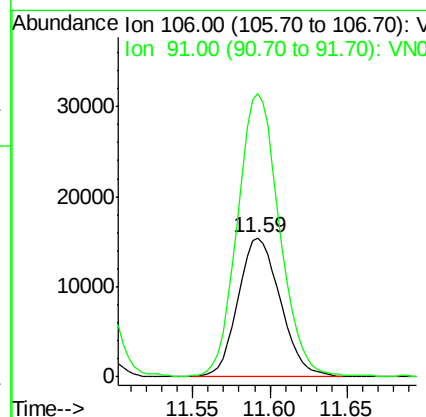
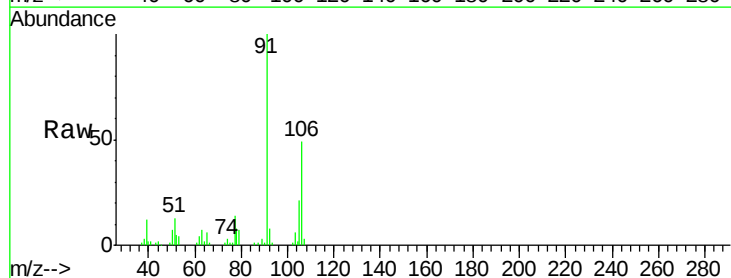
Instrument :
MSVOA_N
ClientSampled :
228

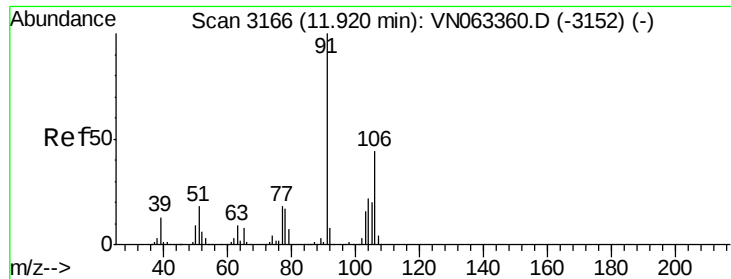
Tot Ion: 91 Resp: 27904
Ion Ratio Lower Upper
91 100
106 27.2 23.8 35.6



#68
m/p-Xylenes
Concen: 5.411 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Tgt Ion: 106 Resp: 29289
Ion Ratio Lower Upper
106 100
91 202.9 171.2 256.8

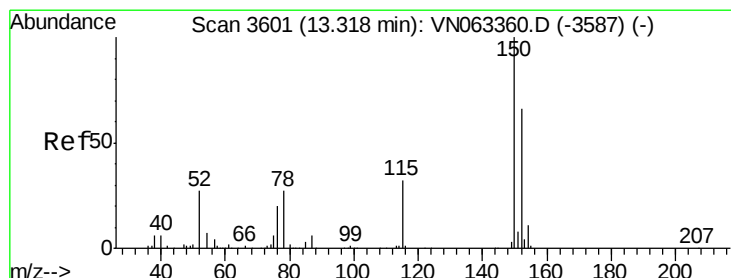
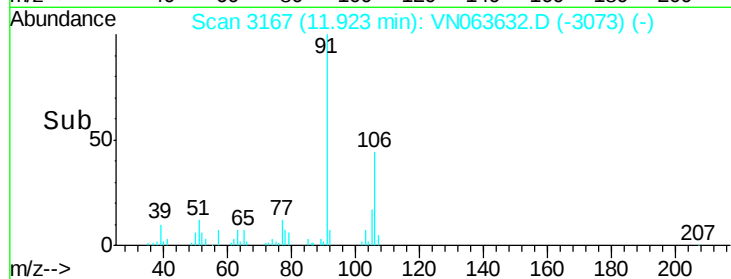
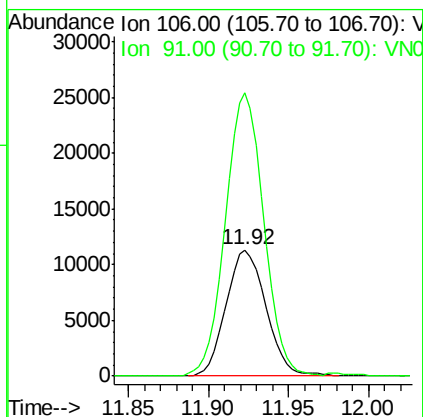
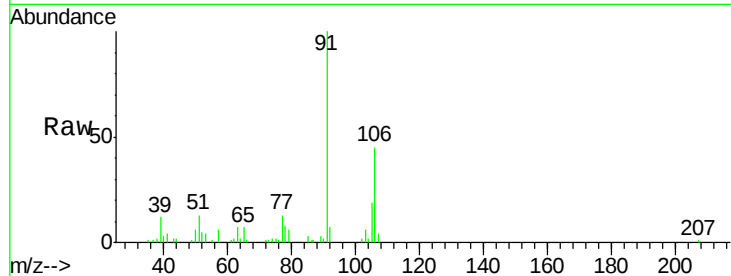




#69
o-Xylene
Concen: 3.754 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

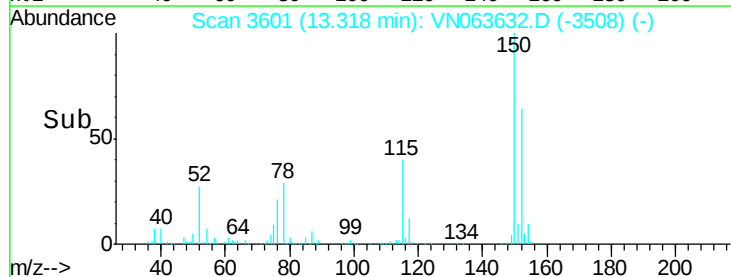
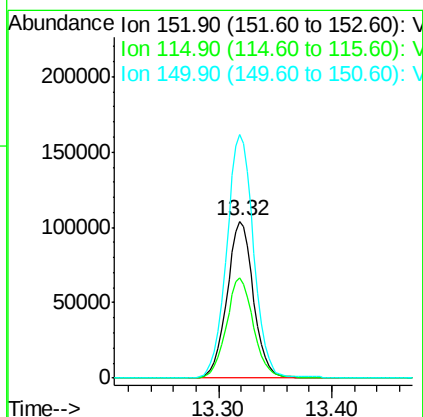
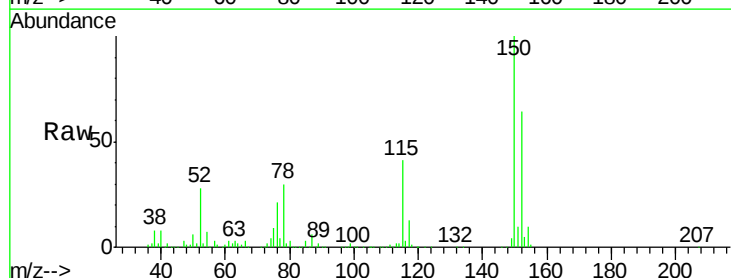
Instrument :
MSVOA_N
ClientSampled :
228

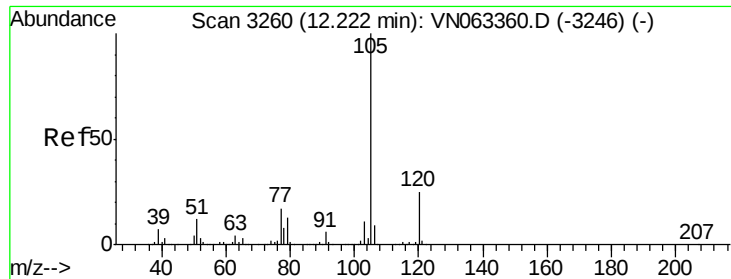
Tot Ion:106 Resp: 19358
Ion Ratio Lower Upper
106 100
91 213.8 113.6 340.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Tgt Ion:152 Resp: 168372
Ion Ratio Lower Upper
152 100
115 66.0 32.2 96.6
150 158.4 0.0 343.4





#73

Isopropylbenzene

Concen: 0.451 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

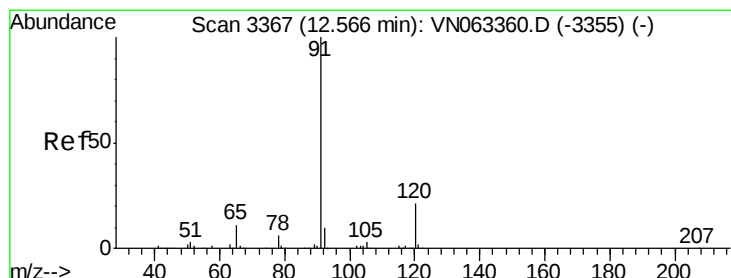
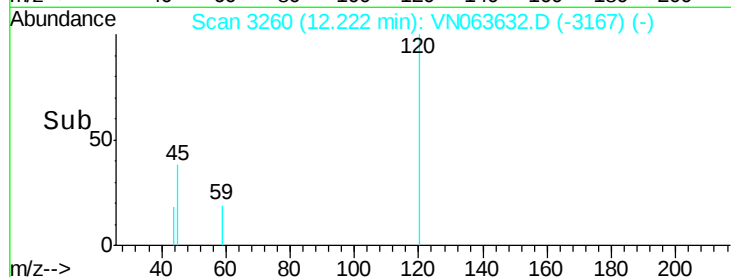
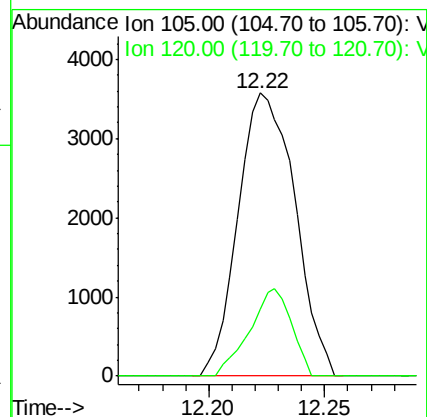
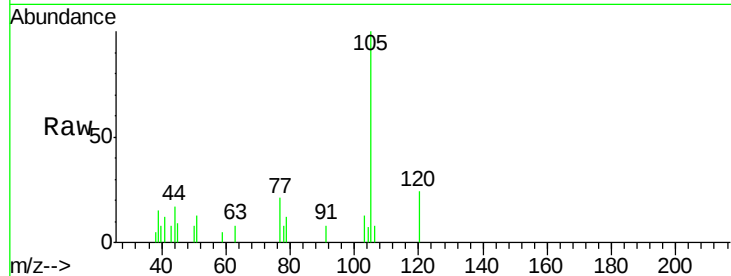
228

Tot Ion: 105 Resp: 6080

Ion Ratio Lower Upper

105 100

120 22.8 12.7 38.0



#78

n-propylbenzene

Concen: 1.283 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063632.D

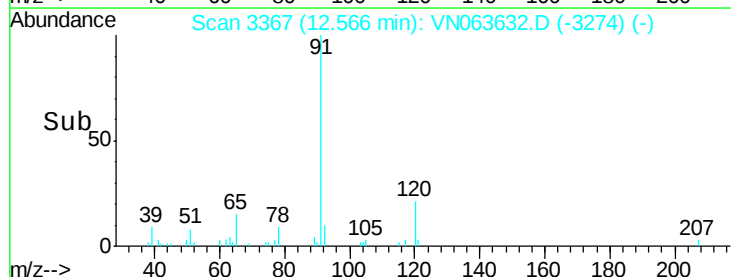
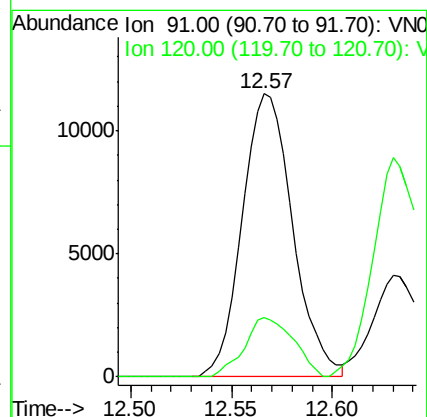
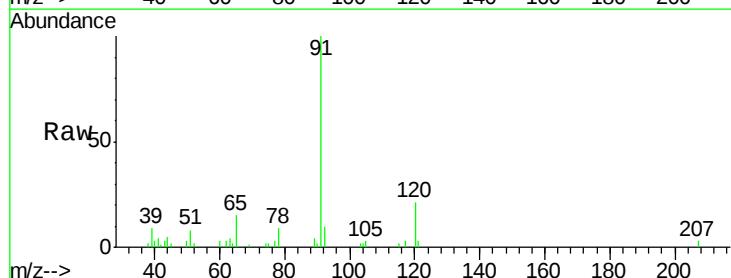
Acq: 24 Sep 2020 16:40

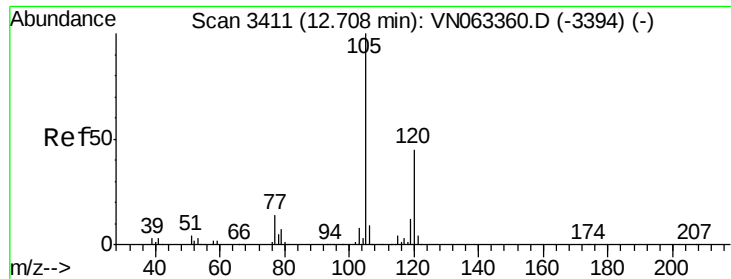
Tgt Ion: 91 Resp: 20160

Ion Ratio Lower Upper

91 100

120 20.4 10.8 32.3

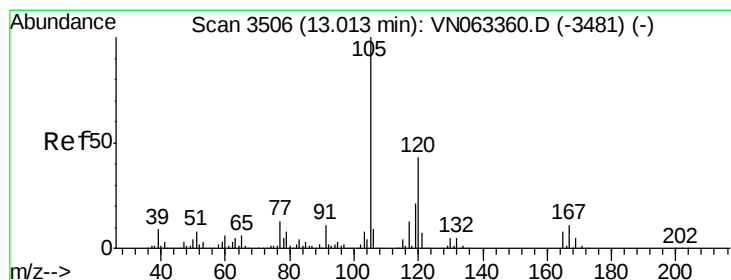
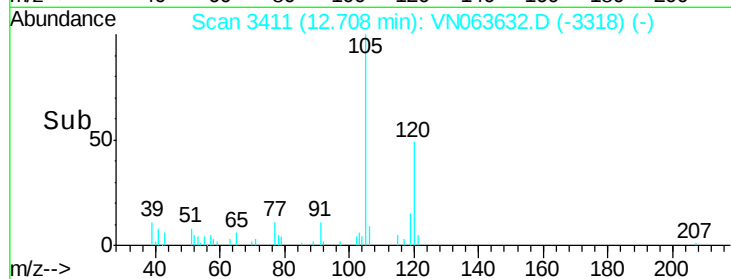
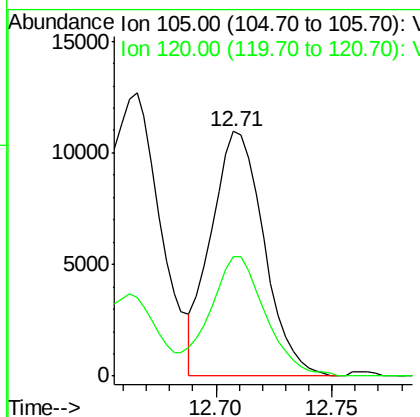
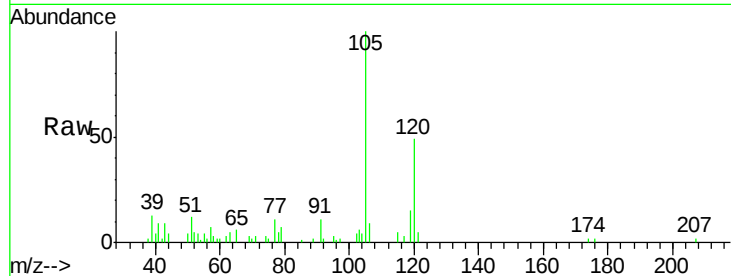




#80
 1,3,5-Trimethylbenzene
 Concen: 1.544 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063632.D
 Acq: 24 Sep 2020 16:40

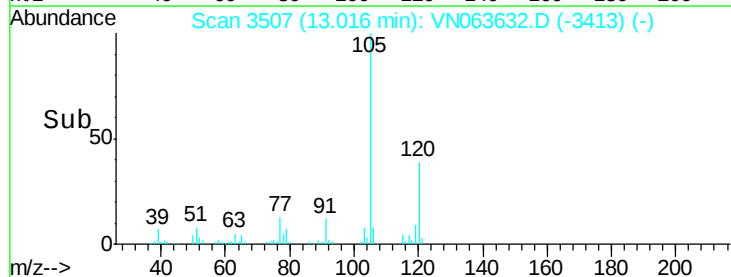
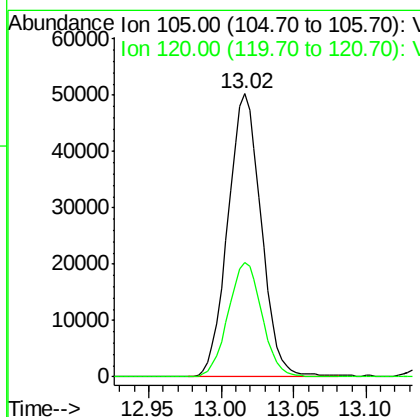
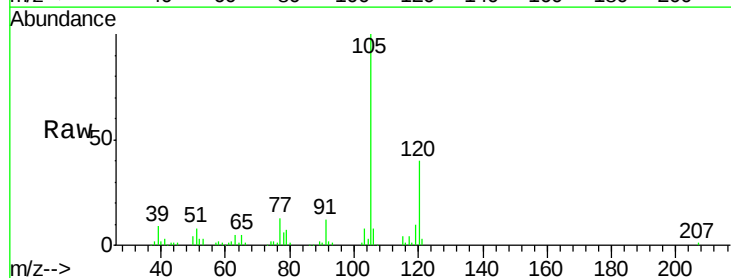
Instrument :
 MSVOA_N
 ClientSampled :
 228

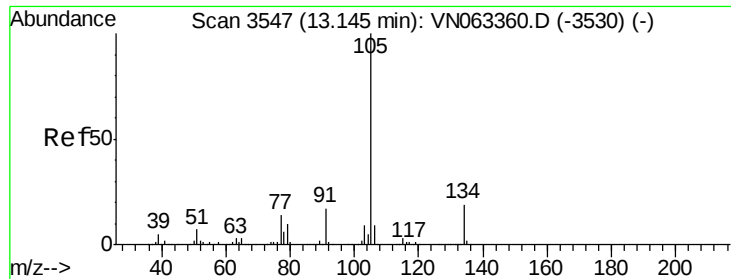
Tot Ion:105 Resp: 17372
 Ion Ratio Lower Upper
 105 100
 120 51.2 22.9 68.8



#84
 1,2,4-Trimethylbenzene
 Concen: 7.044 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063632.D
 Acq: 24 Sep 2020 16:40

Tgt Ion:105 Resp: 80053
 Ion Ratio Lower Upper
 105 100
 120 40.9 21.3 63.9





#85

sec-Butylbenzene

Concen: 0.457 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

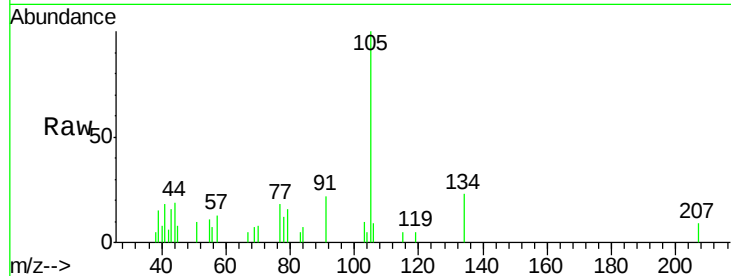
228

Tot Ion:105 Resp: 5686

Ion Ratio Lower Upper

105 100

134 23.8 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

3000

2000

1000

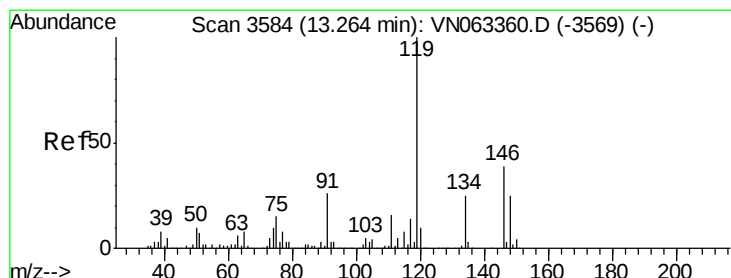
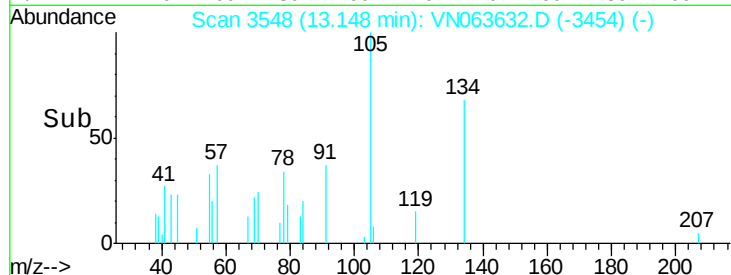
0

Time-->

13.10

13.15

13.20



#86

p-Isopropyltoluene

Concen: 0.232 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN063632.D

Acq: 24 Sep 2020 16:40

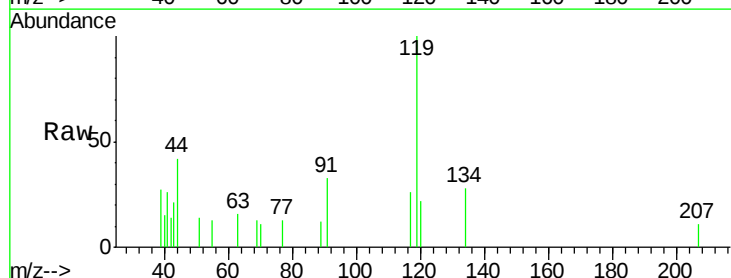
Tgt Ion:119 Resp: 2548

Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 33.1 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.27

3000

2000

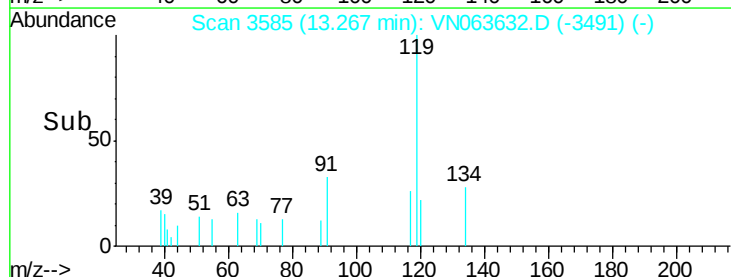
1000

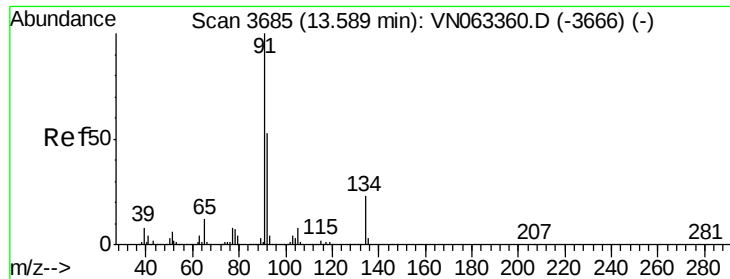
0

Time-->

13.25

13.30

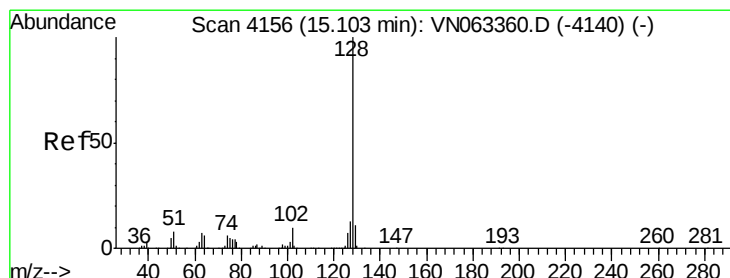
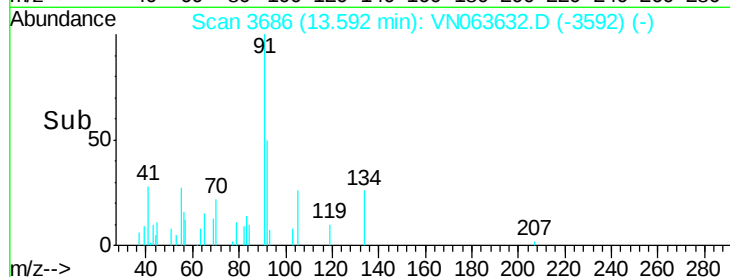
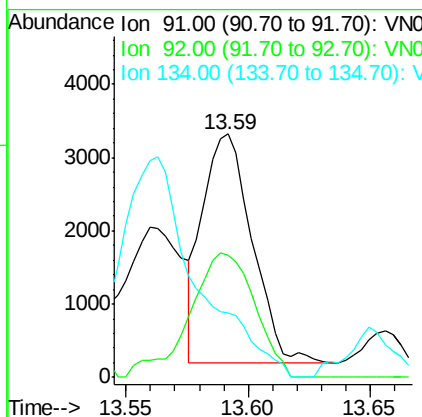
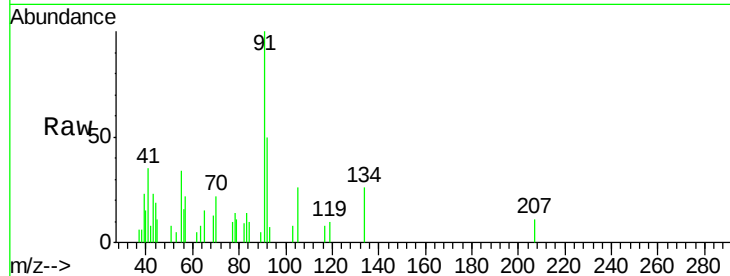




#89
n-Butylbenzene
Concen: 0.434 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
228

Tot Ion: 91 Resp: 4386
Ion Ratio Lower Upper
91 100
92 72.1 26.0 78.0
134 0.0 11.7 35.0#



#95
Naphthalene
Concen: 2.978 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063632.D
Acq: 24 Sep 2020 16:40

Tgt Ion: 128 Resp: 32030
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.5 8.8 13.2

