

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063757.D
 Acq On : 30 Sep 2020 18:19
 Operator : JC/MD
 Sample : L4178-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Manual Integrations
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MMDadoda
 10/1/2020 2:40:44 PM

Quant Time: Oct 01 03:09:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	232630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196403	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	187194	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.55	113	135729	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.06	98	544047	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.38	95	222043	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	20012	16.915	ug/l	97
17) Carbon Disulfide	4.02	76	9542	2.187	ug/l	100
39) Methylcyclohexane	9.05	83	136243	32.120	ug/l	96
67) Ethyl Benzene	11.48	91	20382	1.286	ug/l	98
68) m/p-Xylenes	11.60	106	19328	3.272	ug/l	99
73) Isopropylbenzene	12.23	105	49941	3.486	ug/l	99
78) n-propylbenzene	12.57	91	86837	5.209	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	85592	7.122	ug/l	97
83) tert-Butylbenzene	12.97	119	2461	0.250	ug/l	90
84) 1,2,4-Trimethylbenzene	13.02	105	271235	22.604	ug/l	98
85) sec-Butylbenzene	13.15	105	27633	2.140	ug/l	79
86) p-Isopropyltoluene	13.26	119	29442	2.577	ug/l	96
89) n-Butylbenzene	13.59	91	13450m	1.276	ug/l	
95) Naphthalene	15.10	128	93999	10.453	ug/l	99

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

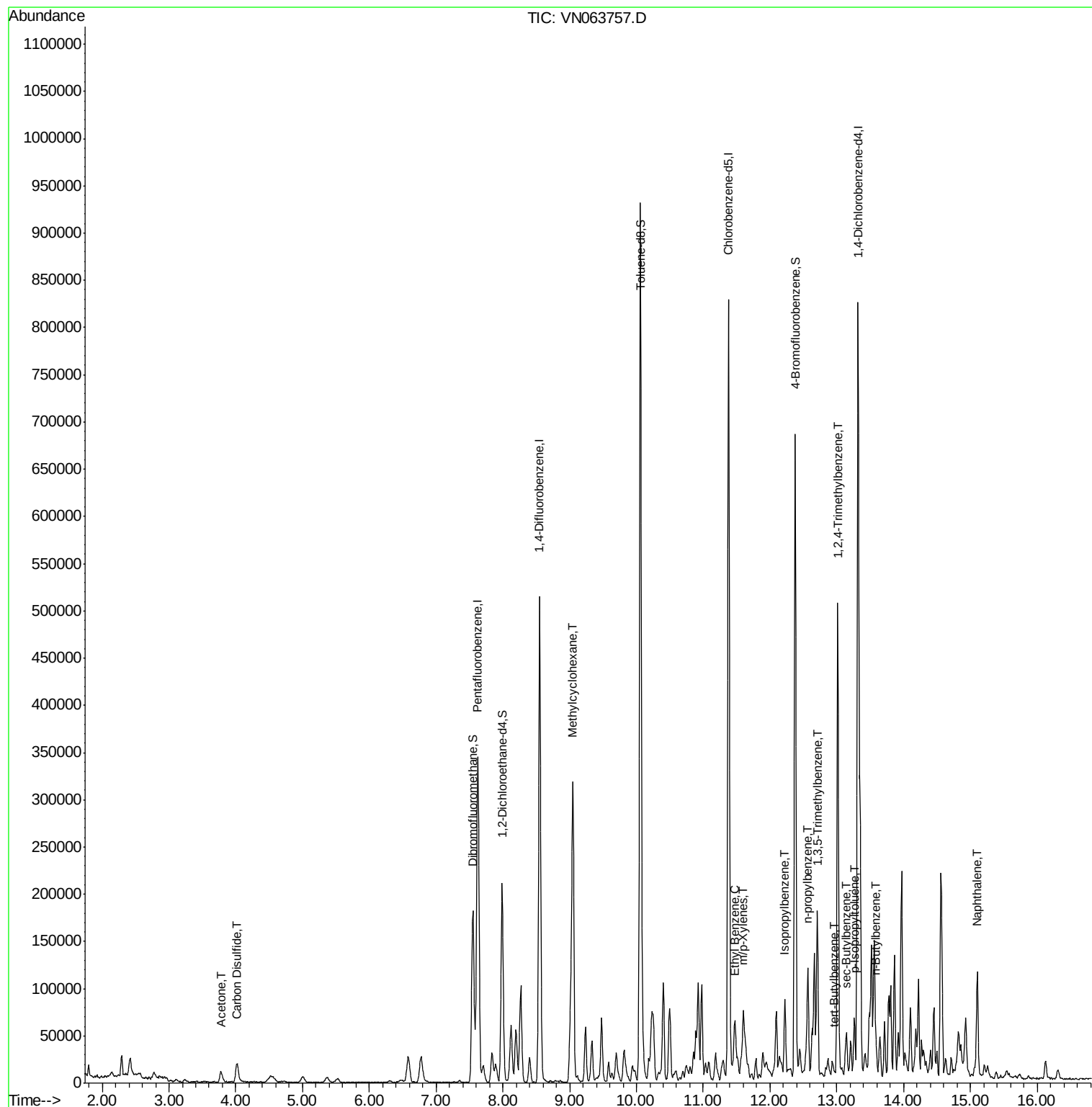
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063757.D
Acq On : 30 Sep 2020 18:19
Operator : JC/MD
Sample : L4178-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

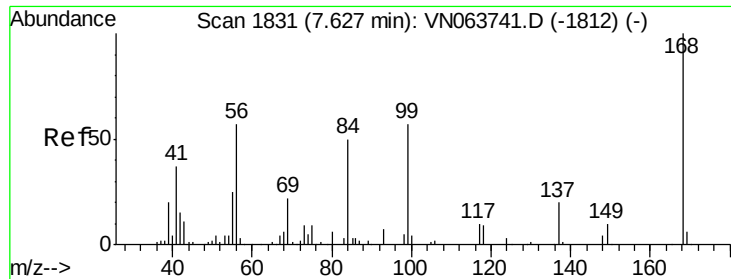
Instrument :
MSVOA_N
ClientSampleId :
TP-7

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Quant Time: Oct 01 03:09:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063757.D

Acq: 30 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

TP-7

Tot Ion:168 Resp: 232630

Ion Ratio Lower Upper

168 100

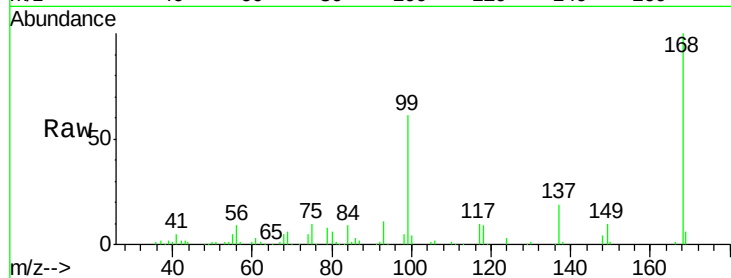
99 61.2 51.8 77.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

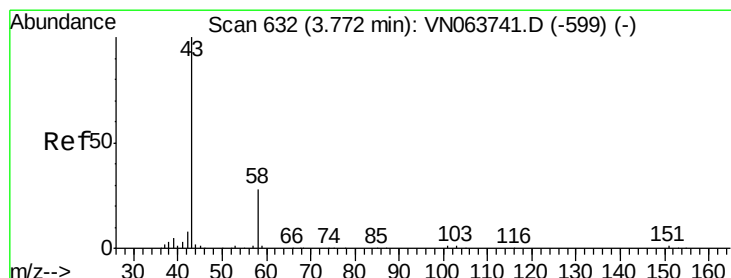
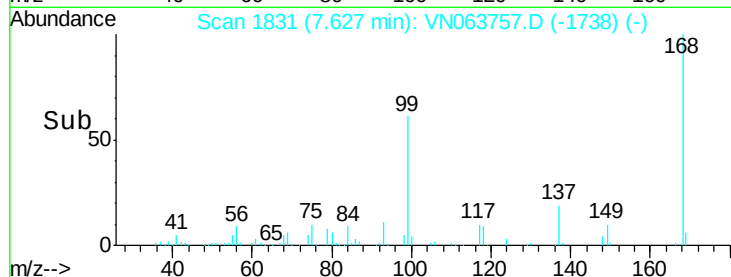
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#16

Acetone

Concen: 16.915 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063757.D

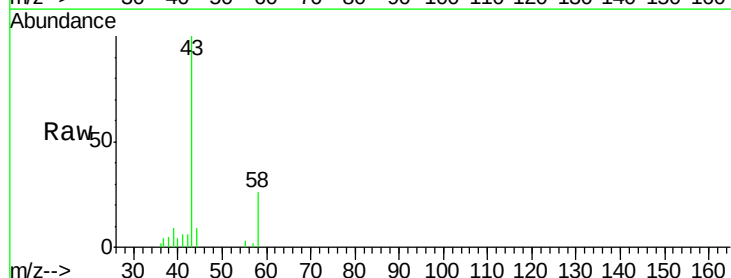
Acq: 30 Sep 2020 18:19

Tgt Ion: 43 Resp: 20012

Ion Ratio Lower Upper

43 100

58 26.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

8000

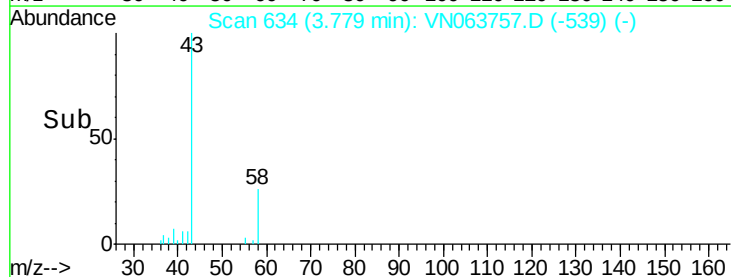
6000

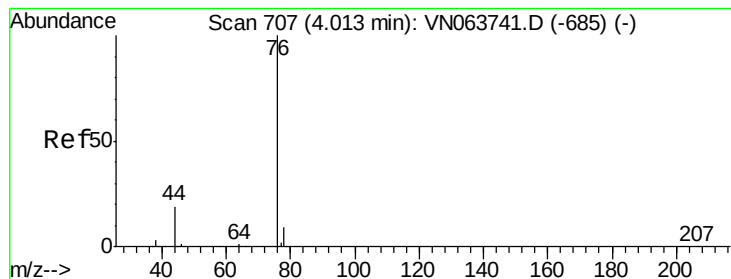
4000

2000

0

Time--> 3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: 2.187 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063757.D

Acq: 30 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

TP-7

Tot Ion: 76 Resp: 9542

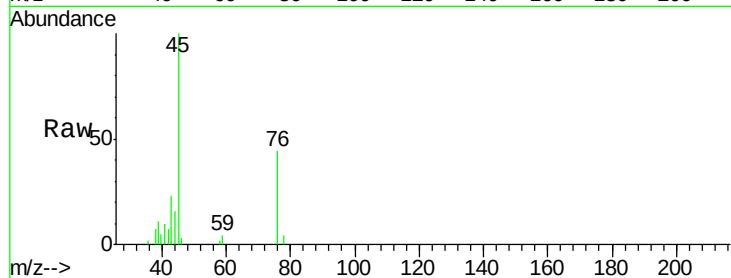
Ion Ratio Lower Upper

76 100

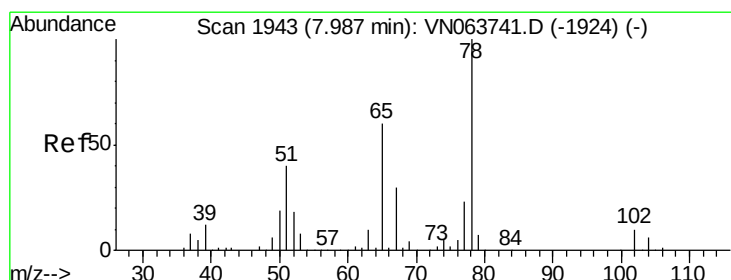
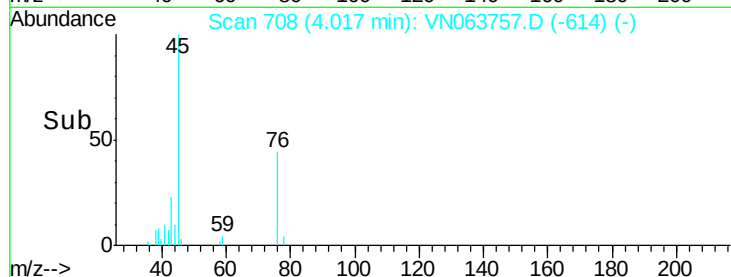
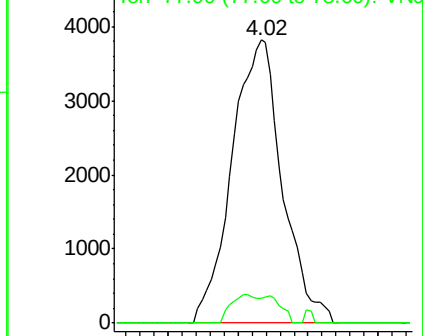
78 8.7 7.0 10.4

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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 48.708 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063757.D

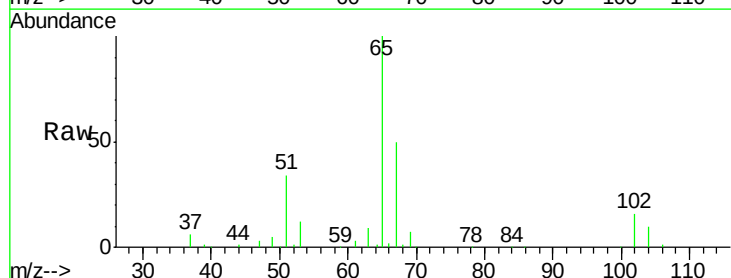
Acq: 30 Sep 2020 18:19

Tgt Ion: 65 Resp: 187194

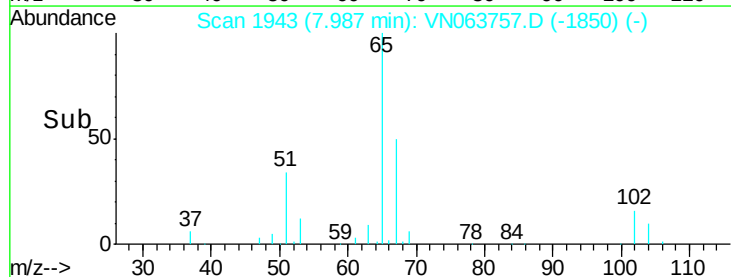
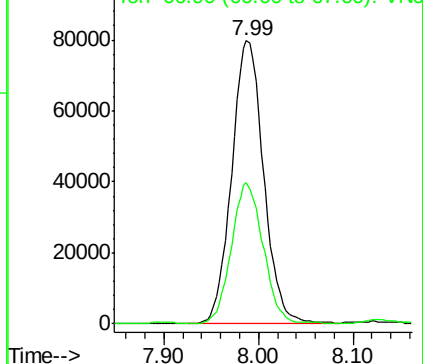
Ion Ratio Lower Upper

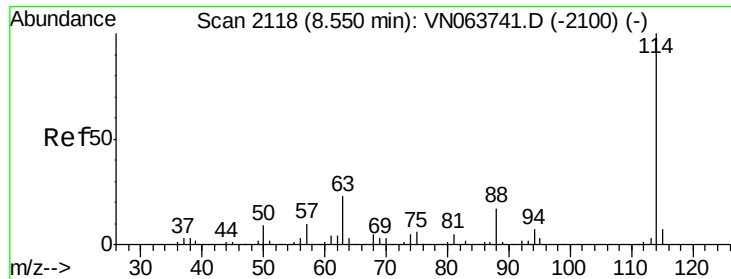
65 100

67 49.5 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063757.D

Acq: 30 Sep 2020 18:19

Instrument :

MSVOA_N

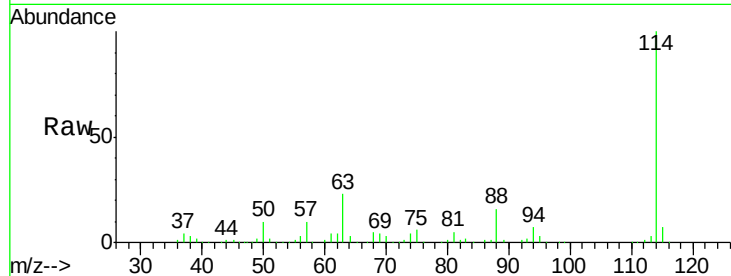
ClientSampleId :

TP-7

Tot Ion:	114	Resp:	419848
Ion Ratio	Lower	Upper	
114	100		
63	22.9	0.0	45.0
88	16.4	0.0	34.0

Manual Integrations
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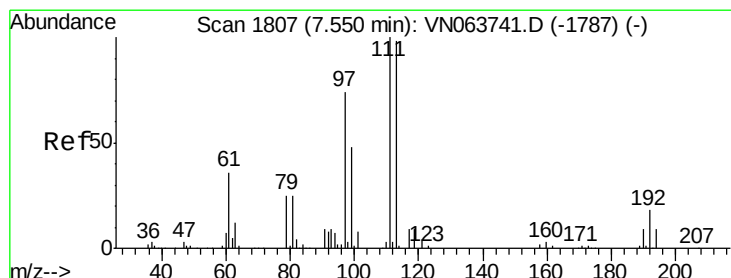
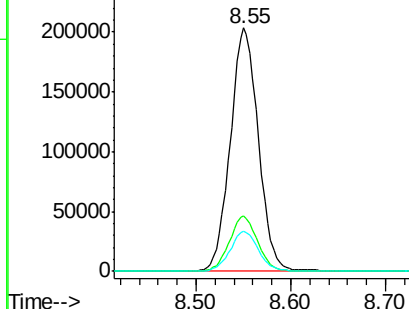
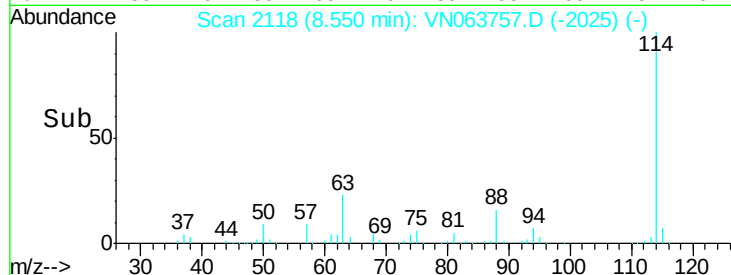
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 46.591 ug/l

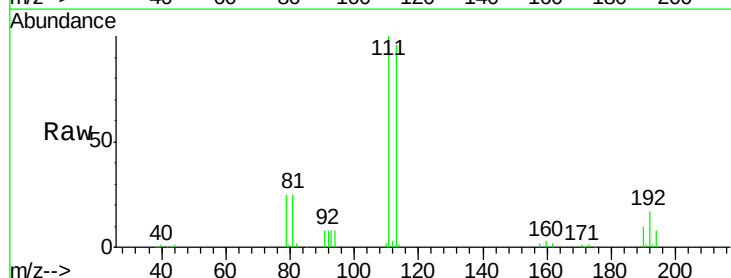
RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063757.D

Acq: 30 Sep 2020 18:19

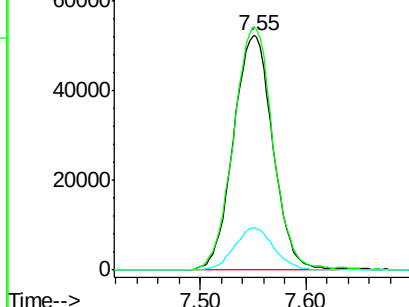
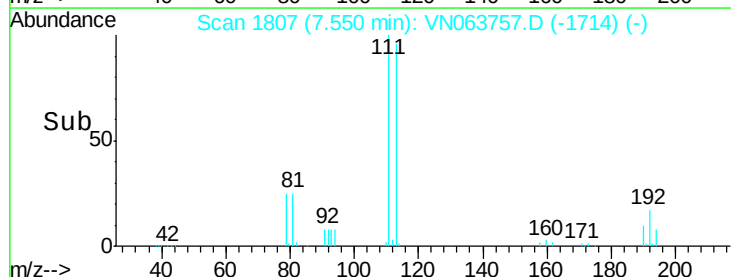
Tgt Ion:	113	Resp:	135729
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.8	122.8
192	17.9	14.2	21.2

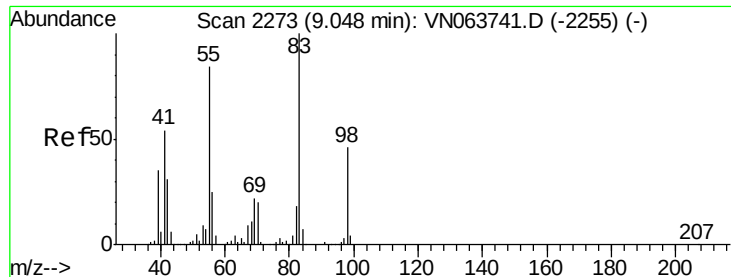


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





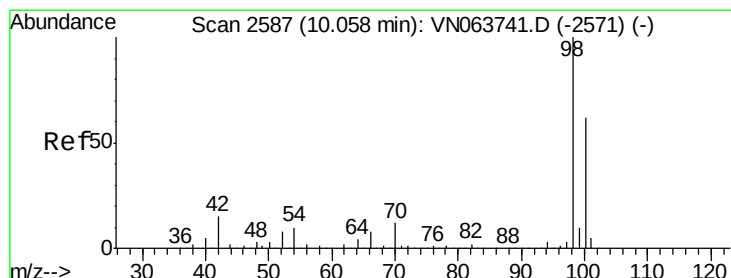
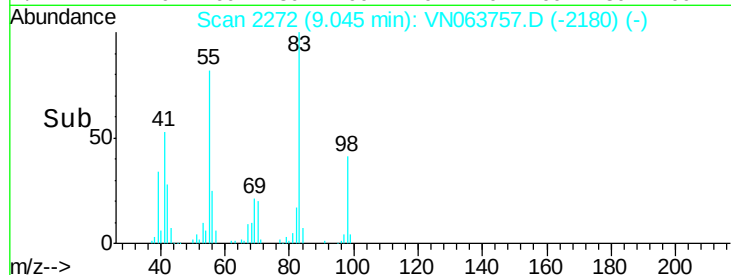
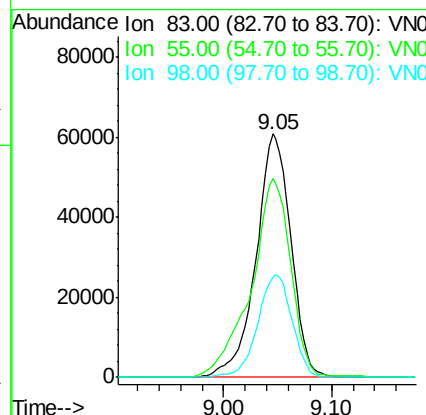
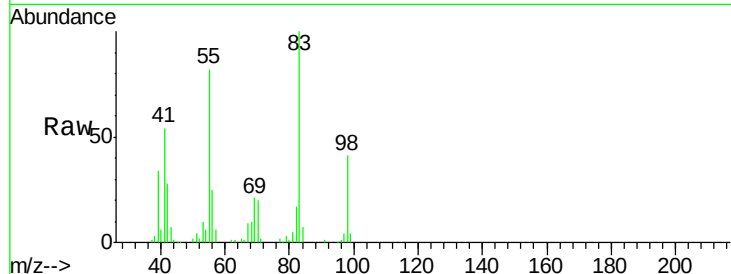
#39
Methylvlcyclohexane
Concen: 32.120 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	67.1	100.7
98	41.4	36.6	54.8

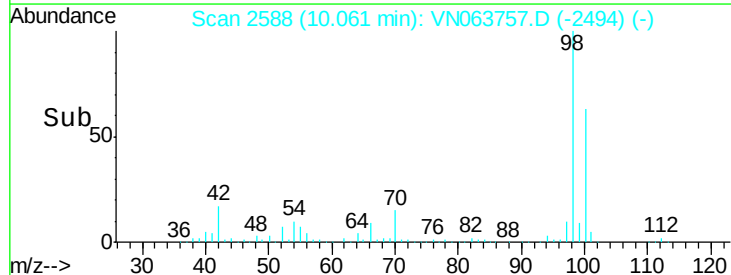
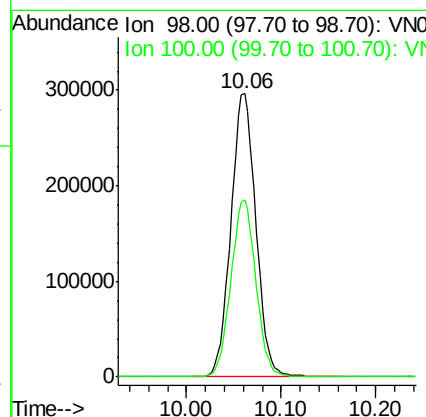
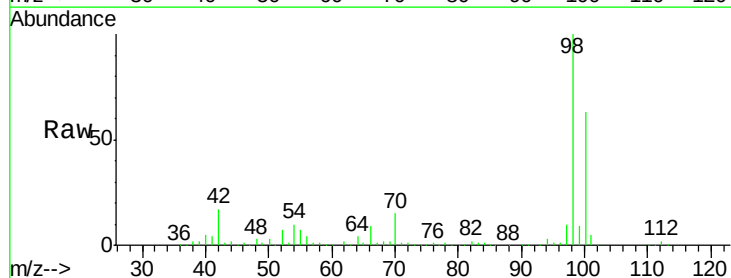
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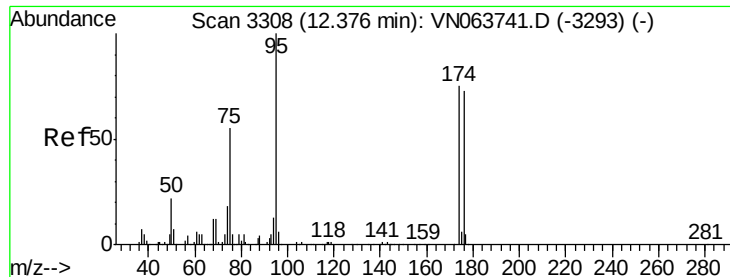
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#50
Toluene-d8
Concen: 49.263 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	49.8	74.6





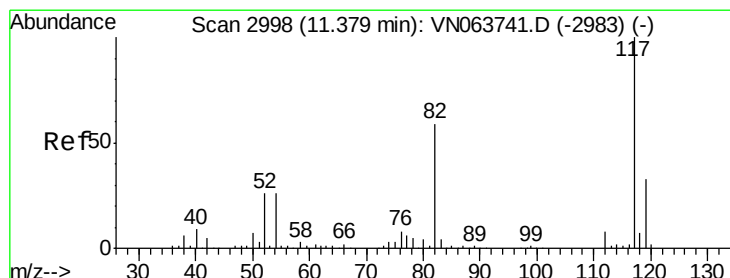
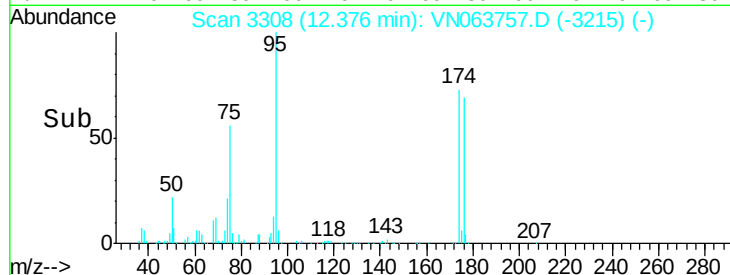
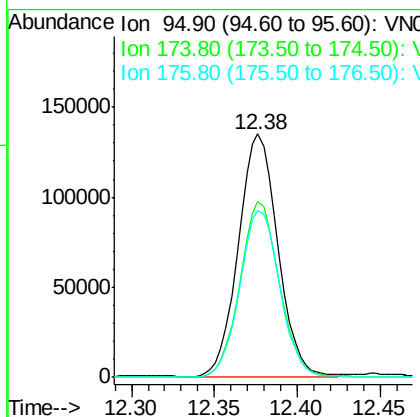
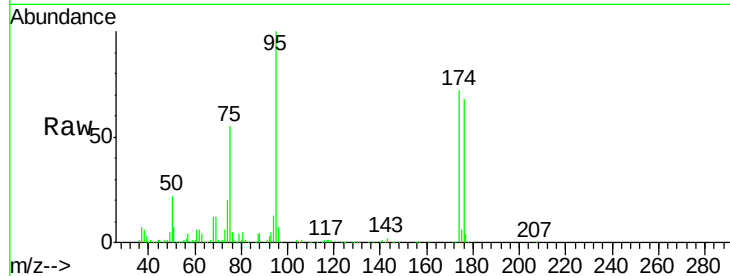
#62
4-Bromofluorobenzene
Concen: 53.486 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion	Ratio	Resp	Lower	Upper
95	100	222043		
174	72.7	0.0	150.6	
176	70.2	0.0	145.4	

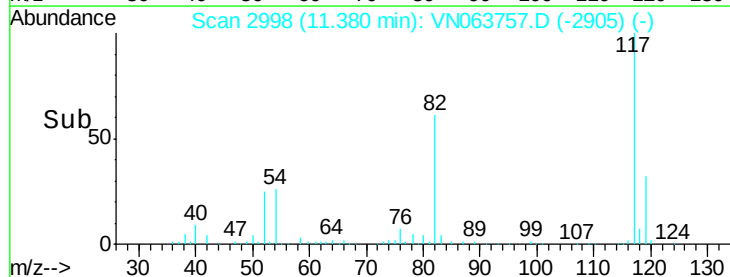
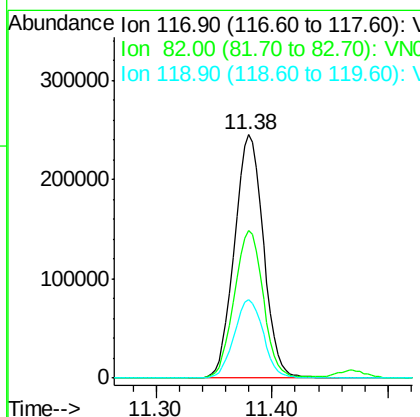
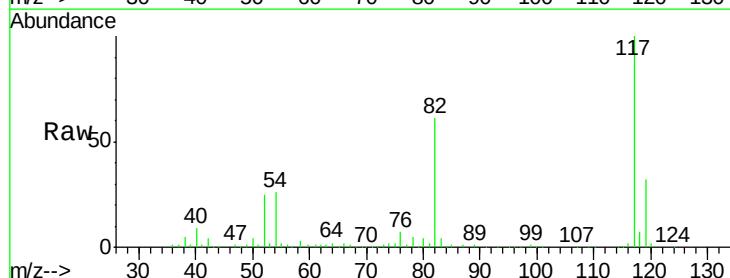
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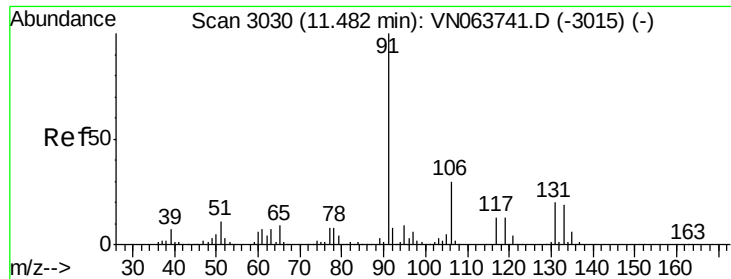
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	424600		
82	60.6	47.4	71.2	
119	32.3	26.4	39.6	





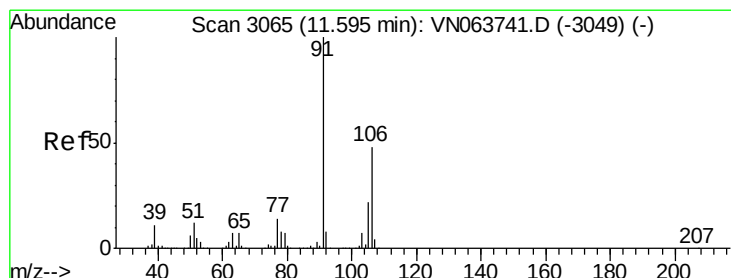
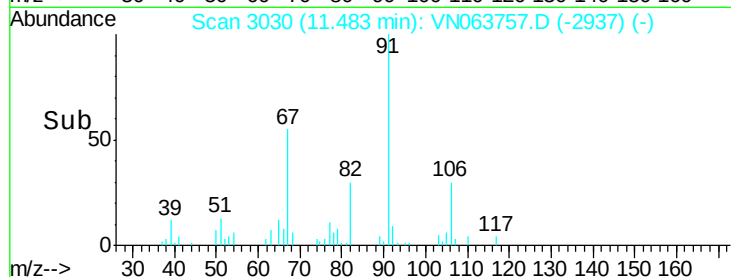
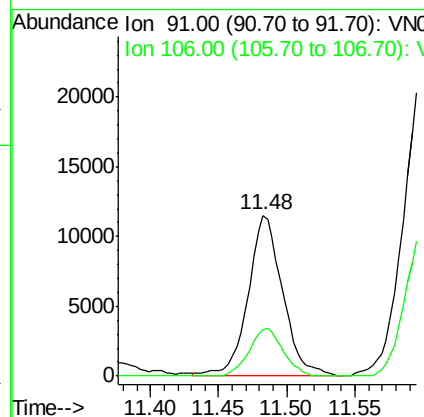
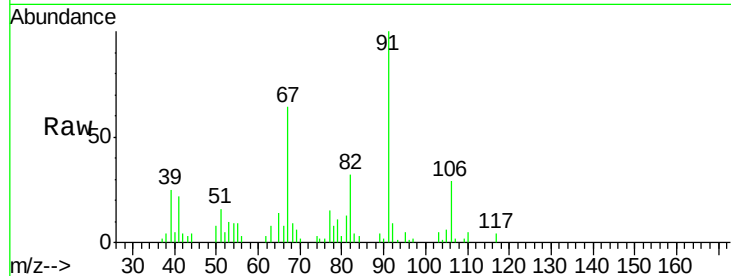
#67
Ethyl Benzene
Concen: 1.286 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 91 Resp: 20382
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.2

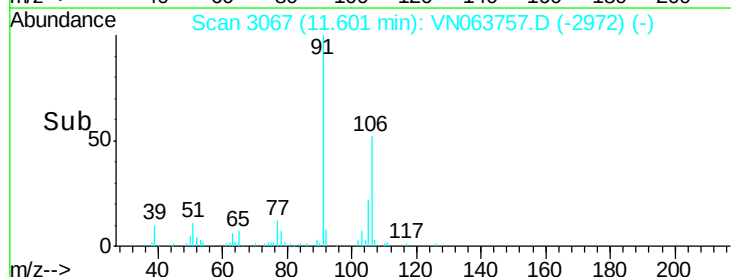
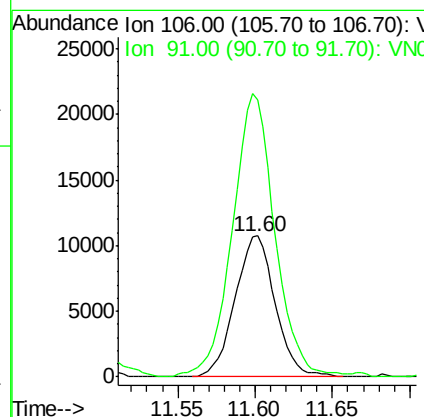
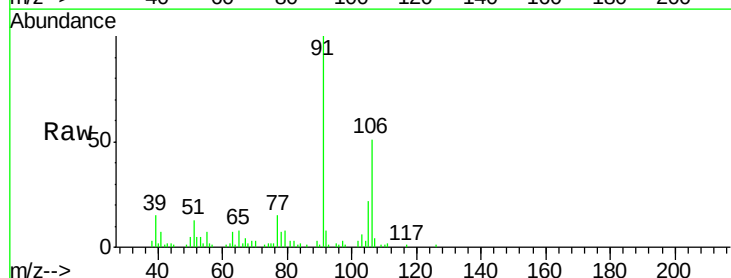
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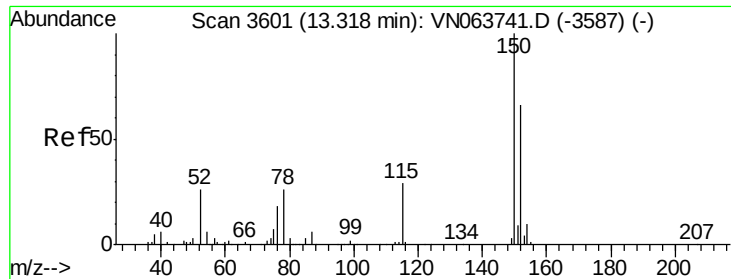
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#68
m/p-Xylenes
Concen: 3.272 ug/l
RT: 11.60 min Scan# 3067
Delta R.T. 0.01 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Tgt Ion: 106 Resp: 19328
Ion Ratio Lower Upper
106 100
91 212.3 168.0 252.0





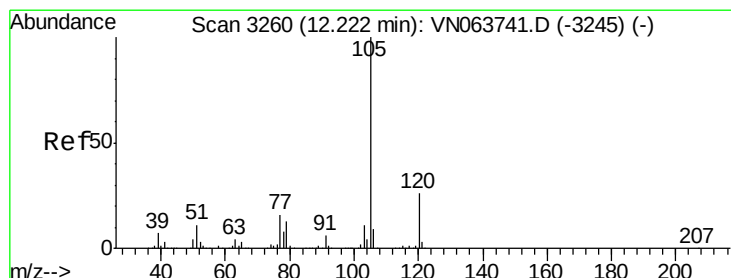
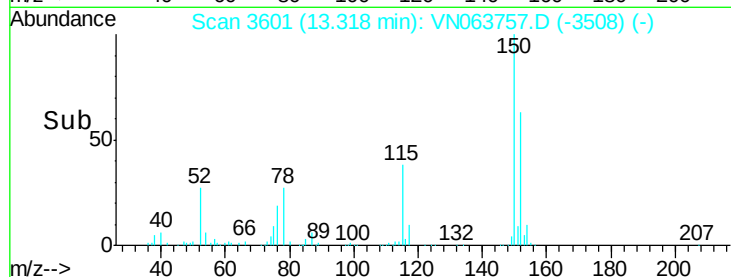
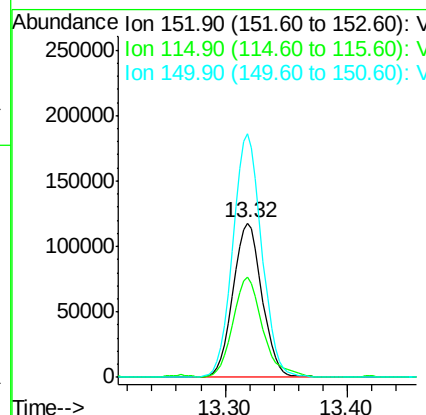
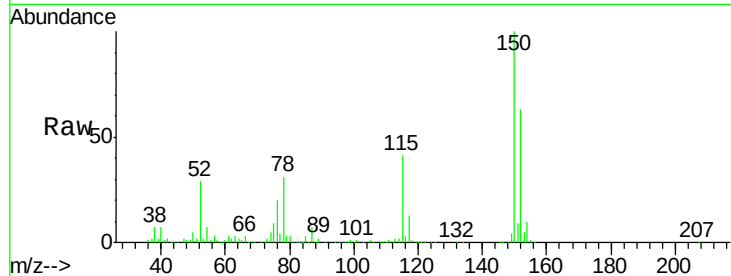
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063757.D
 Acq: 30 Sep 2020 18:19

Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

Tot Ion	Ratio	Lower	Upper
152	100		
115	66.0	31.3	93.8
150	156.4	0.0	341.8

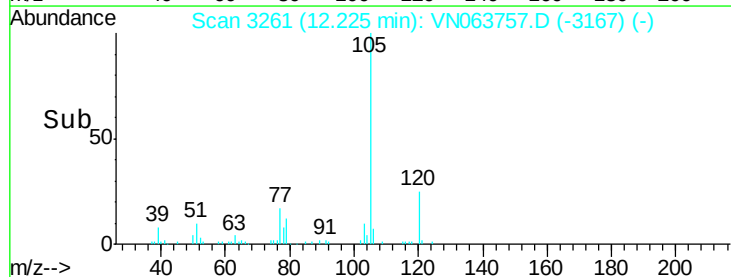
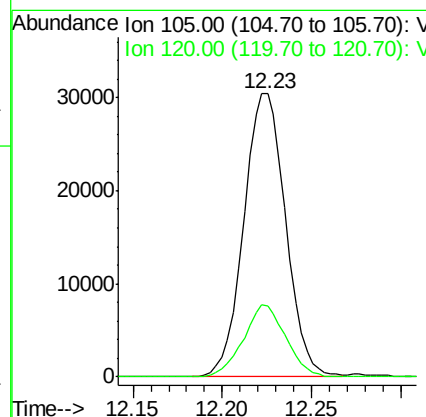
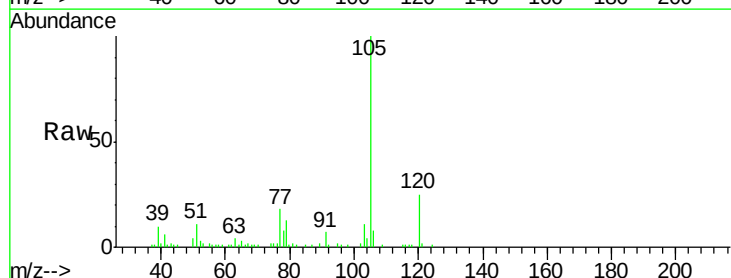
Manual Integrations
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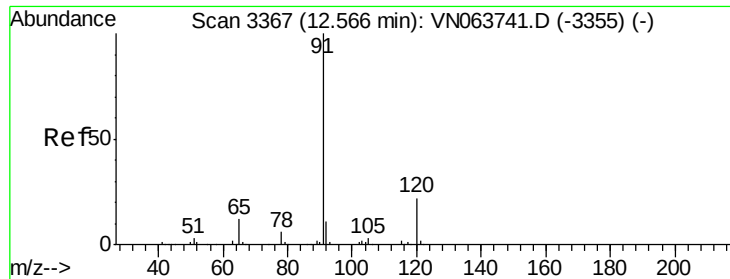
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#73
 Isopropylbenzene
 Concen: 3.486 ug/l
 RT: 12.23 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN063757.D
 Acq: 30 Sep 2020 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.6	37.8





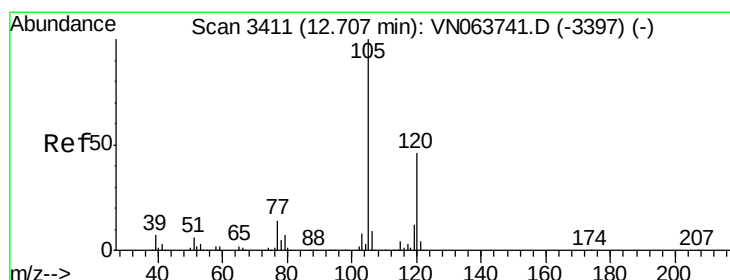
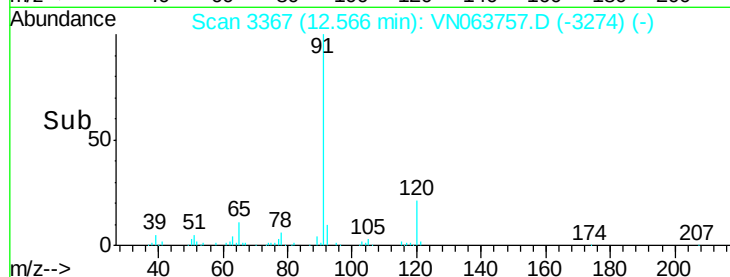
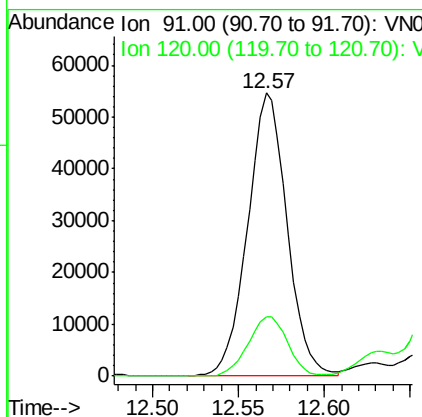
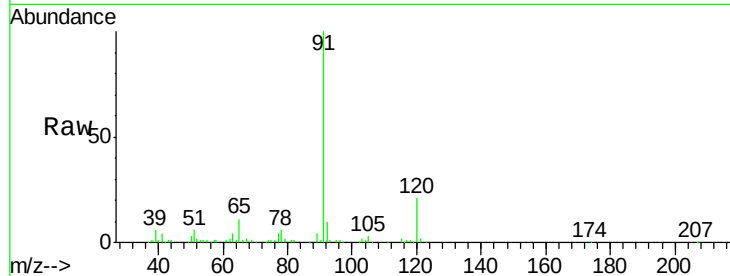
#78
n-propylbenzene
Concen: 5.209 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 91 Resp: 86837
Ion Ratio Lower Upper
91 100
120 21.0 11.1 33.1

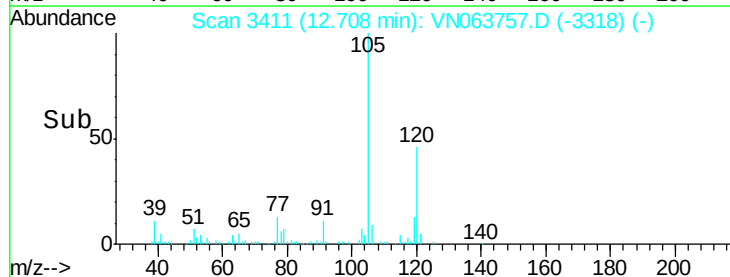
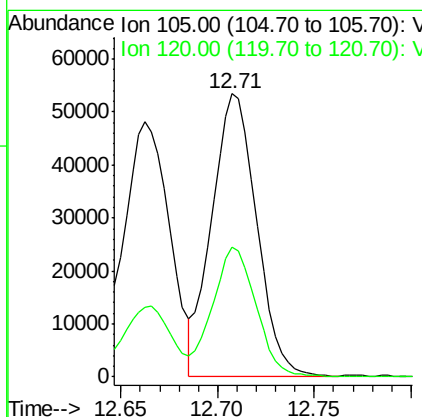
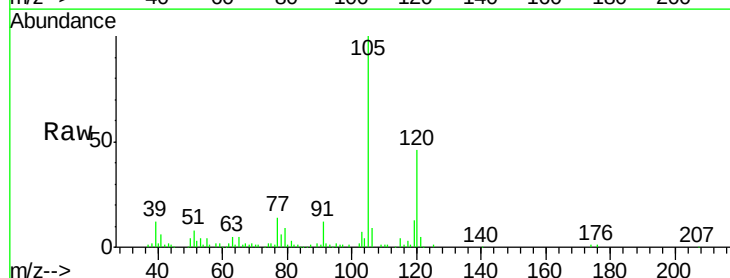
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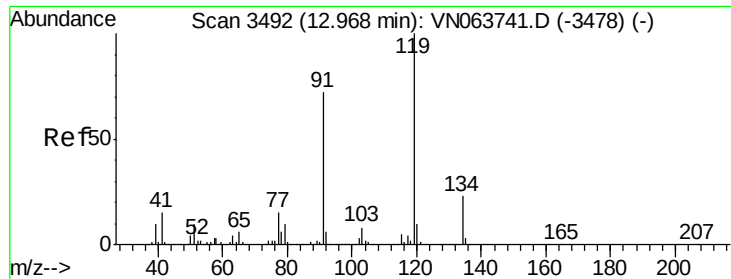
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#80
1,3,5-Trimethylbenzene
Concen: 7.122 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Tgt Ion: 105 Resp: 85592
Ion Ratio Lower Upper
105 100
120 44.8 23.3 69.9





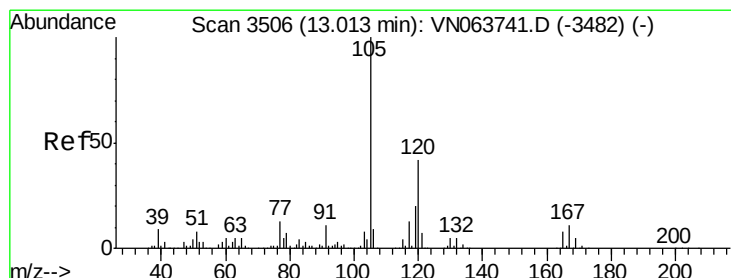
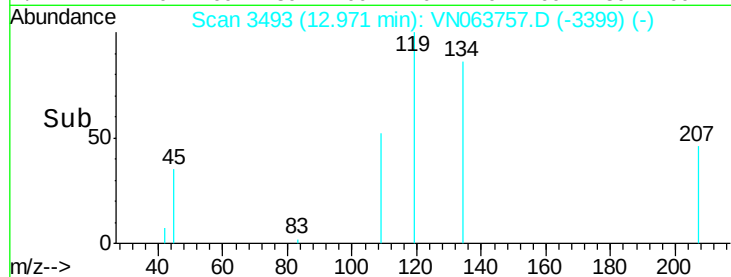
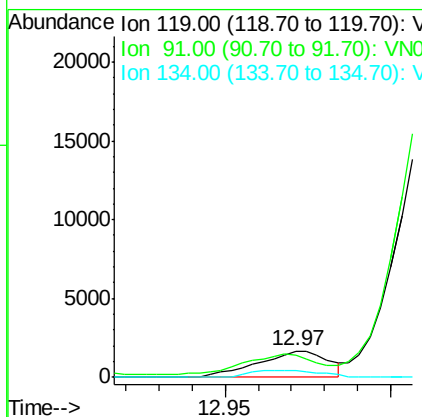
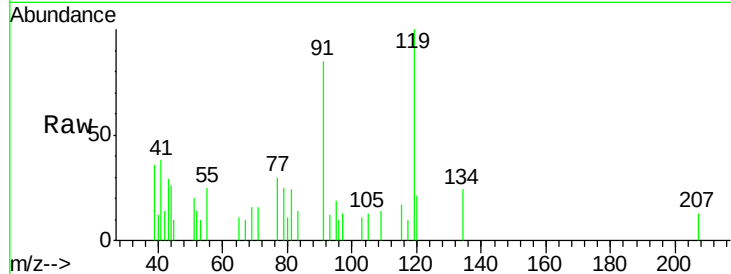
#83
 tert-Butylbenzene
 Concen: 0.250 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063757.D
 Acq: 30 Sep 2020 18:19

Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.5	35.5	106.5
134	27.0	11.7	35.1

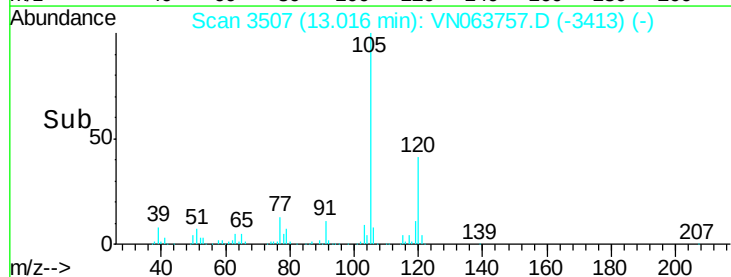
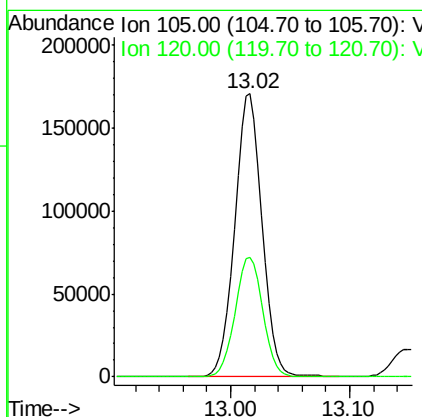
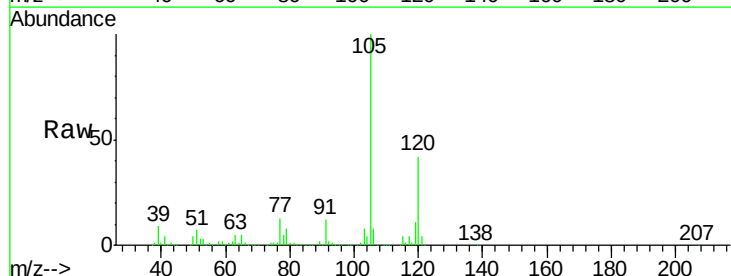
Manual Integrations
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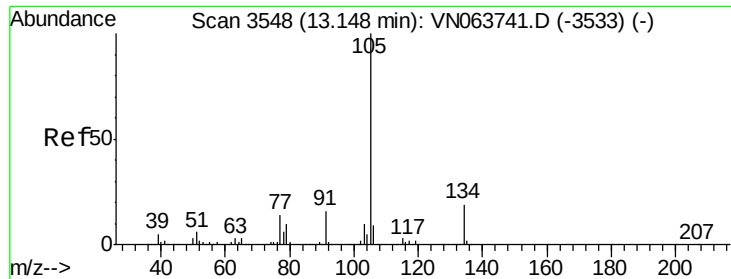
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.604 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063757.D
 Acq: 30 Sep 2020 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	20.9	62.7





#85

sec-Butylbenzene

Concen: 2.140 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063757.D

Acq: 30 Sep 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

TP-7

Tot Ion:105 Resp: 27633

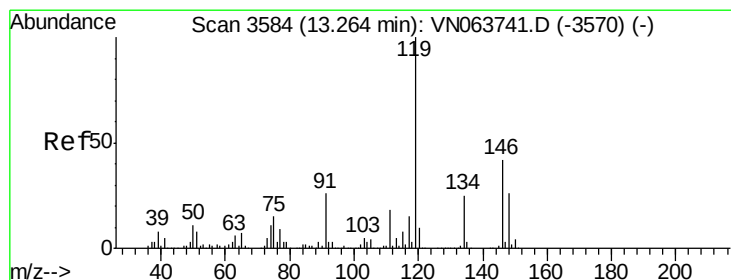
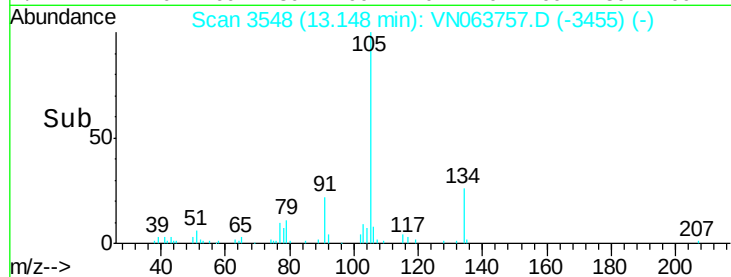
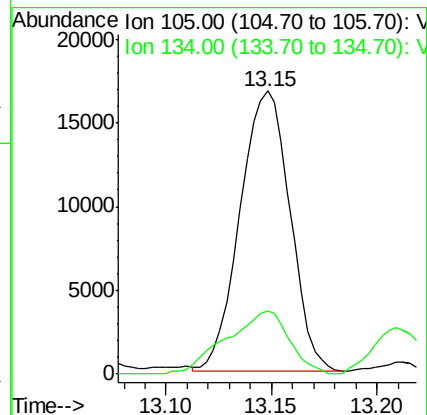
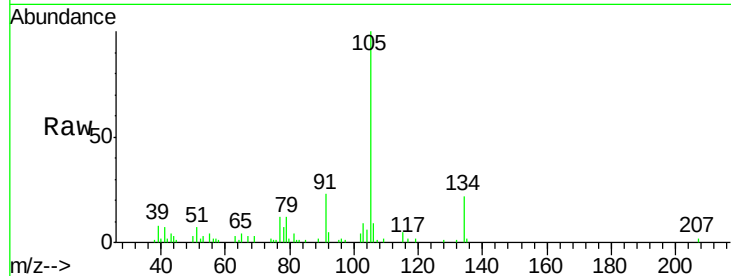
Ion Ratio Lower Upper

105 100

134 28.3 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 2.577 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063757.D

Acq: 30 Sep 2020 18:19

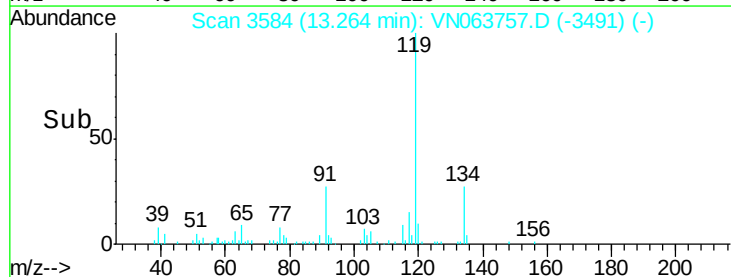
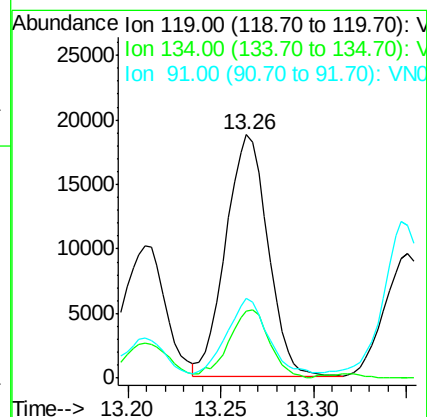
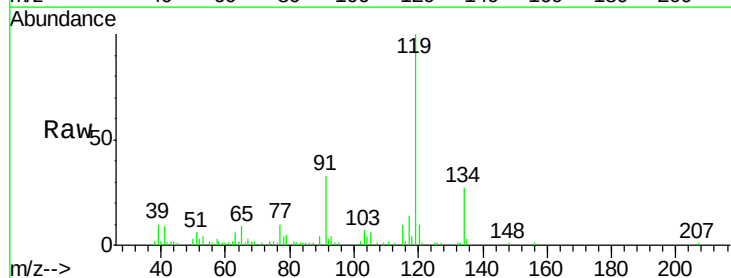
Tgt Ion:119 Resp: 29442

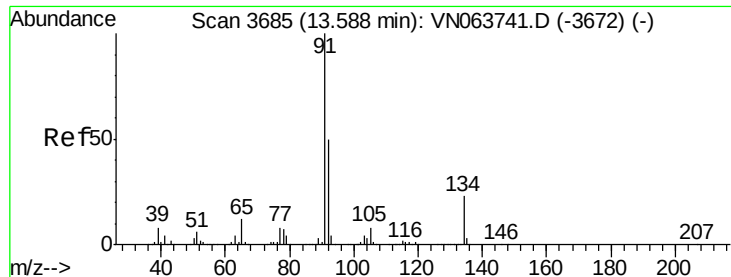
Ion Ratio Lower Upper

119 100

134 27.3 12.6 37.8

91 29.2 13.4 40.2





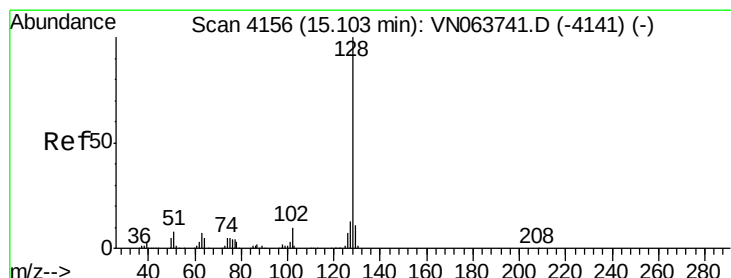
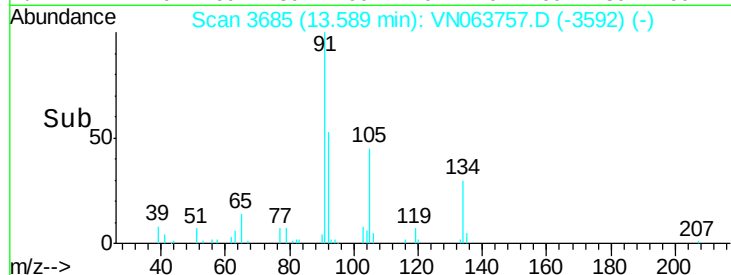
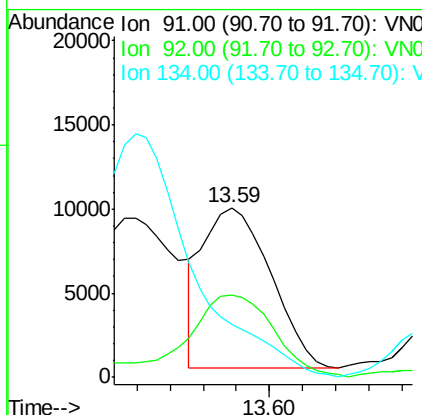
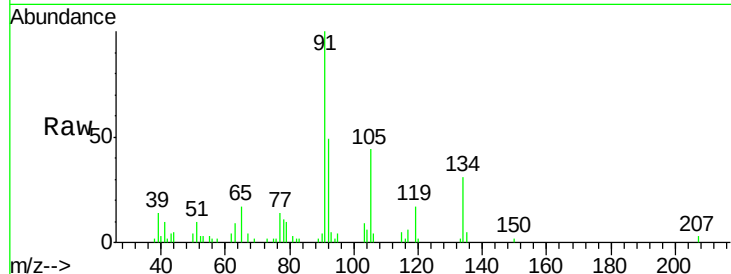
#89
n-Butylbenzene
Concen: 1.276 ug/l m
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion	91	Resp:	13450
Ion	Ratio	Lower	Upper
91	100		
92	26.1	25.4	76.4
134	16.3	11.7	35.1

Manual Integrations
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#95
Naphthalene
Concen: 10.453 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063757.D
Acq: 30 Sep 2020 18:19

Tgt Ion	128	Resp:	93999
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.5	8.7	13.1

