

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035718.D
 Acq On : 23 Sep 2020 14:24
 Operator : SY/AP
 Sample : L4079-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2DL

Manual Integrations
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 9/24/2020 1:35:38 PM

Quant Time: Sep 24 08:59:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1260034	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4752992	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4780861	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3560194	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12356	0.251	ppbv #	80
10) Heptane	8.14	43	13924	0.101	ppbv #	19
13) Ethanol	3.62	45	17324	1.427	ppbv	94
15) Acetone	3.86	43	50085m	0.369	ppbv	
19) Isopropyl Alcohol	3.99	45	21384	0.290	ppbv #	89
20) Methylene Chloride	4.35	84	94884	0.953	ppbv	97
26) Hexane	5.70	57	70290	0.526	ppbv #	51
44) 2,2,4-Trimethylpentane	7.89	57	433158	0.975	ppbv	96
52) Tetrachloroethene	11.24	164	5404m	0.036	ppbv	
53) Toluene	9.83	91	36059	0.099	ppbv	95

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

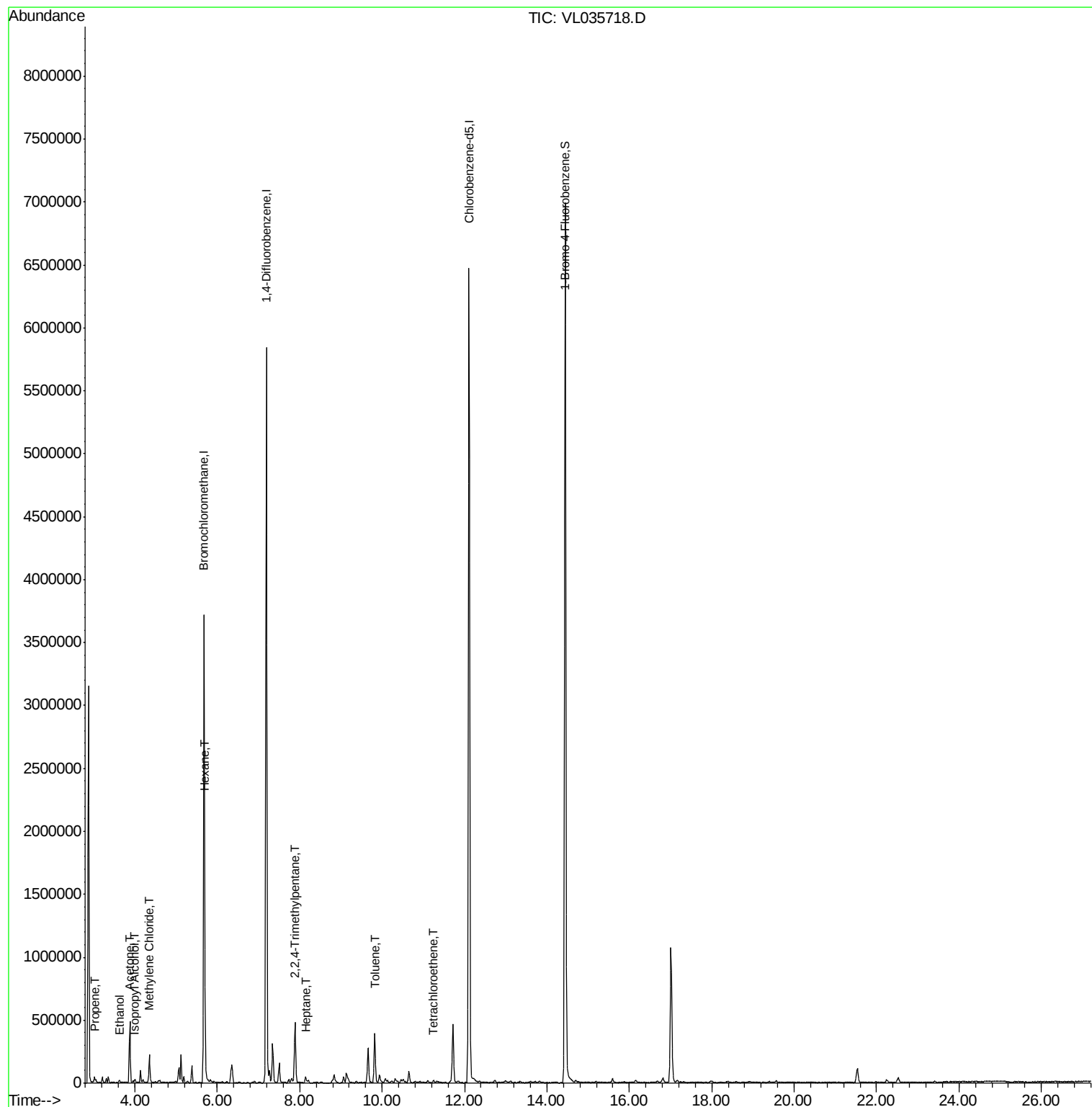
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\
Data File : VL035718.D
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Quant Time: Sep 24 08:59:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035718.D

Acq: 23 Sep 2020 14:24

Instrument :

MSVOA_L

ClientSampled :

B-2DL

Tot Ion: 49 Resp: 1260034

Ion Ratio Lower Upper

49 100

128 86.2 43.1 129.4

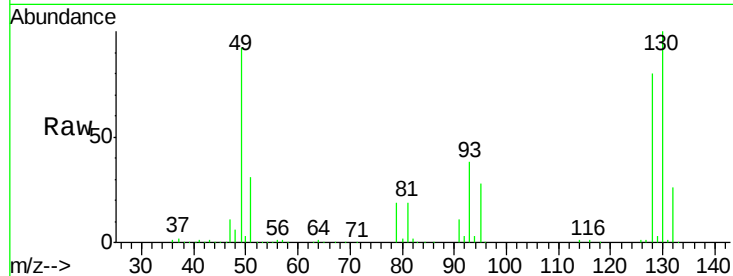
130 109.3 54.9 164.7

Manual Integrations

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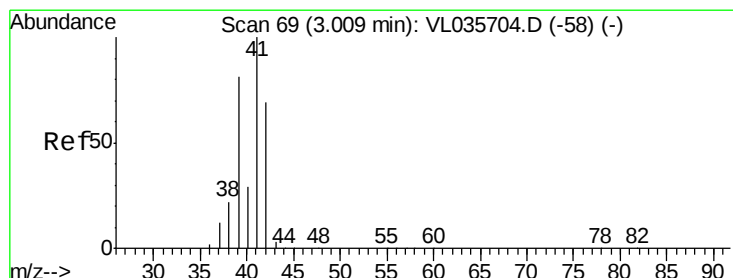
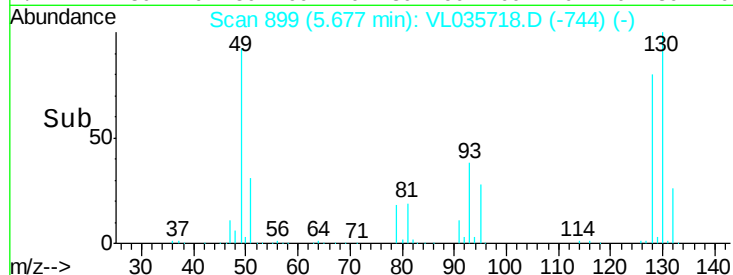
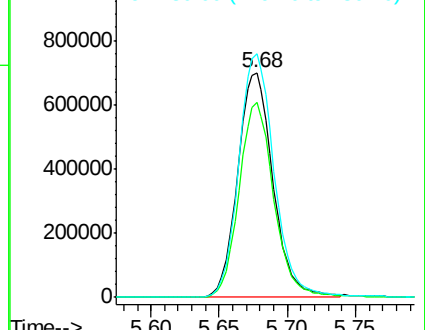
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.251 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL035718.D

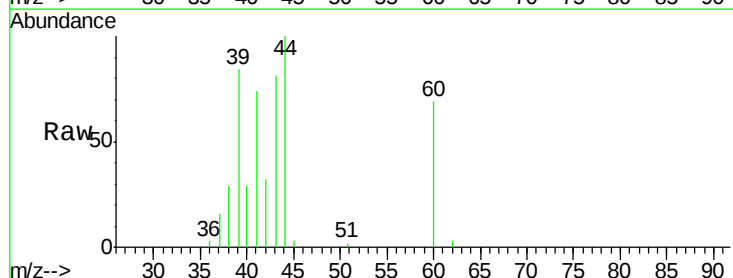
Acq: 23 Sep 2020 14:24

Tgt Ion: 41 Resp: 12356

Ion Ratio Lower Upper

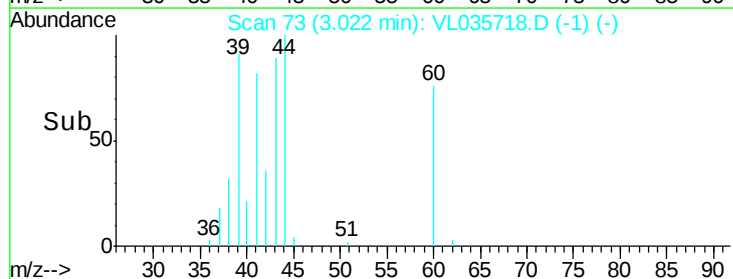
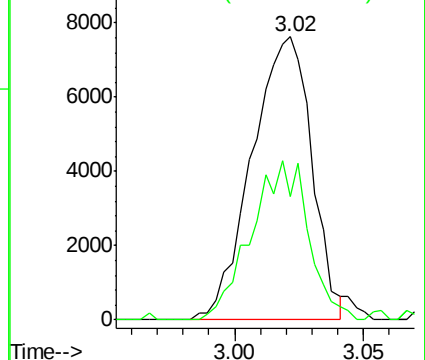
41 100

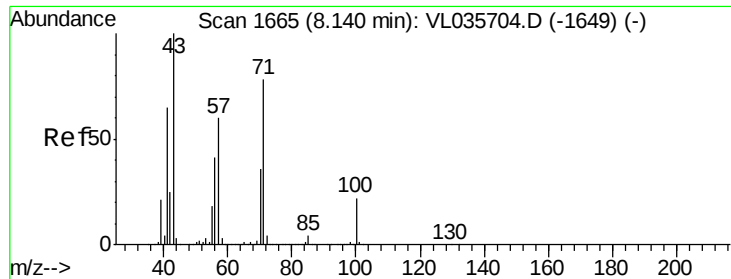
42 54.2 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





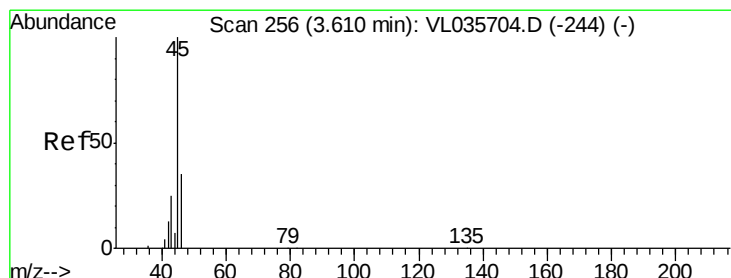
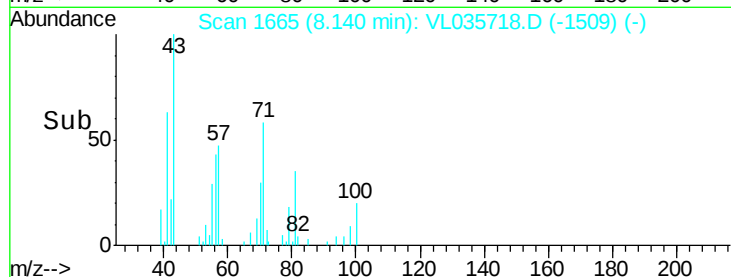
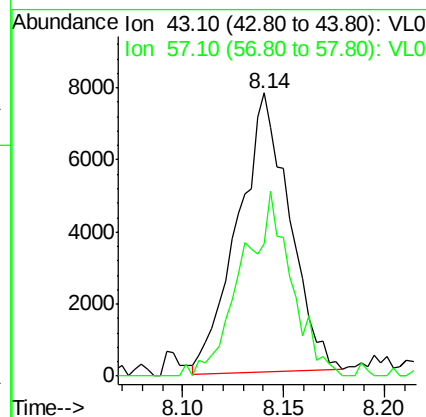
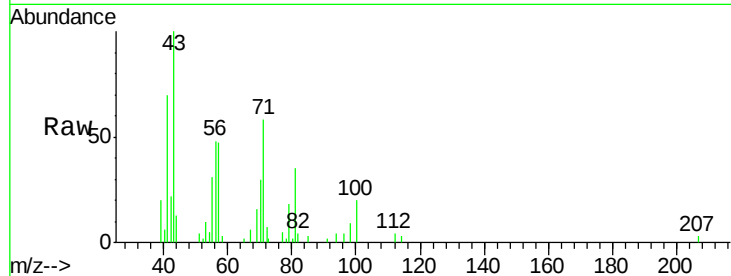
#10
Heptane
Concen: 0.101 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Instrument :
MSVOA_L
ClientSampled :
B-2DL

Tot Ion: 43 Resp: 13924
Ion Ratio Lower Upper
43 100
57 0.0 50.4 75.6#

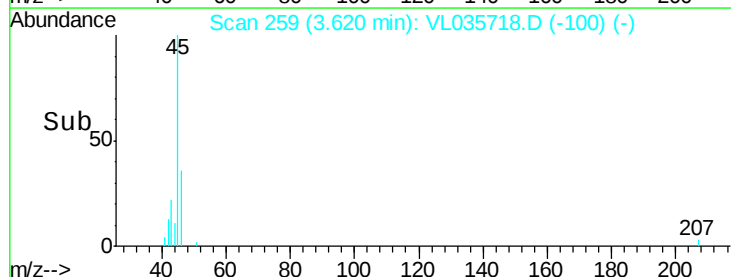
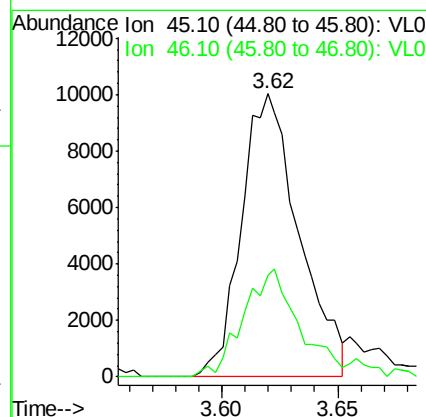
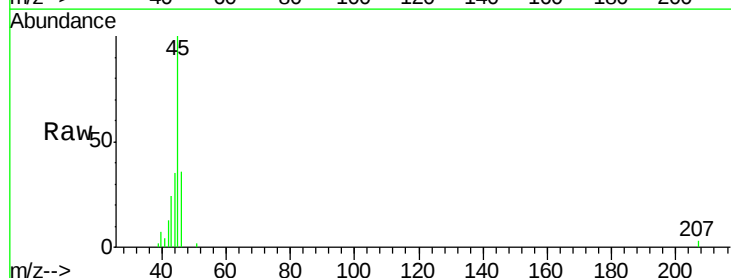
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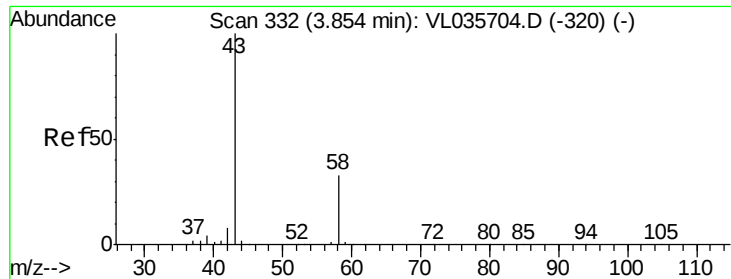
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#13
Ethanol
Concen: 1.427 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Tgt Ion: 45 Resp: 17324
Ion Ratio Lower Upper
45 100
46 40.1 14.7 58.7





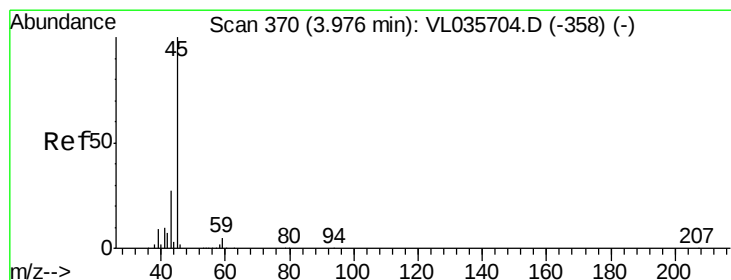
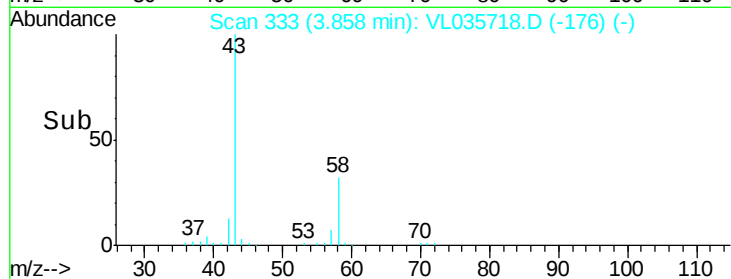
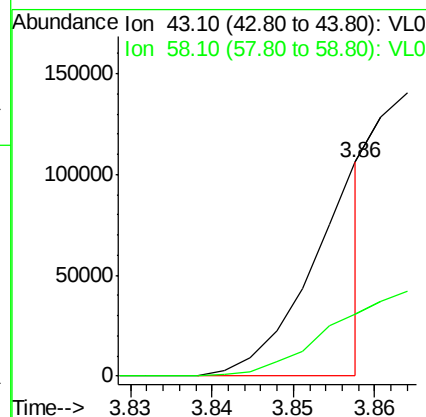
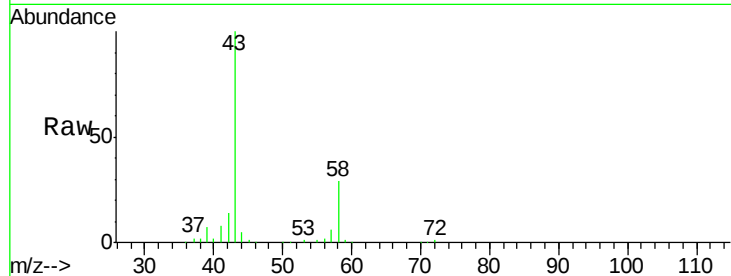
#15
Acetone
Concen: 0.369 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Instrument :
MSVOA_L
ClientSampled :
B-2DL

Tot Ion: 43 Resp: 50085
Ion Ratio Lower Upper
43 100
58 145.9 27.3 40.9#

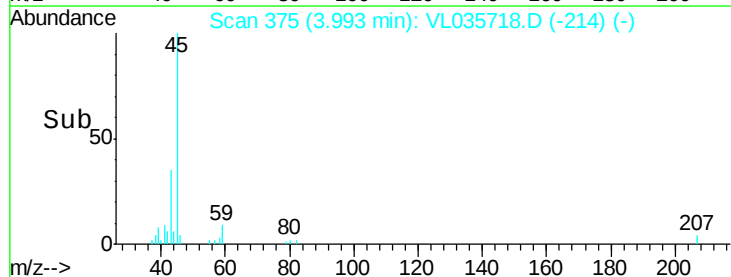
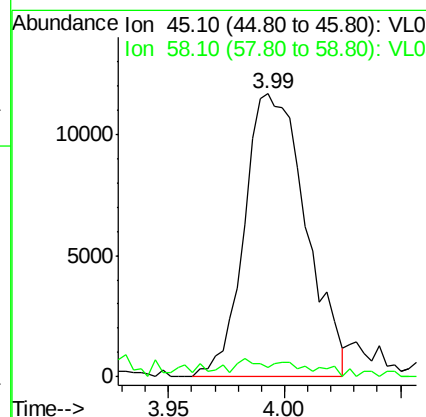
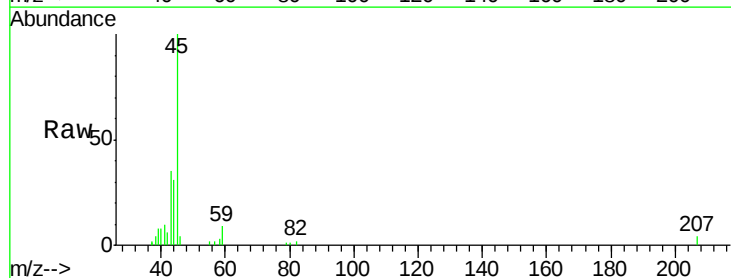
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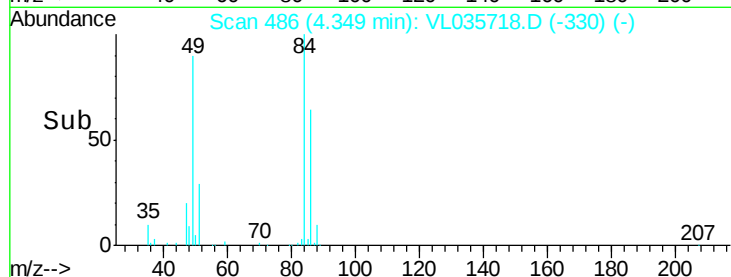
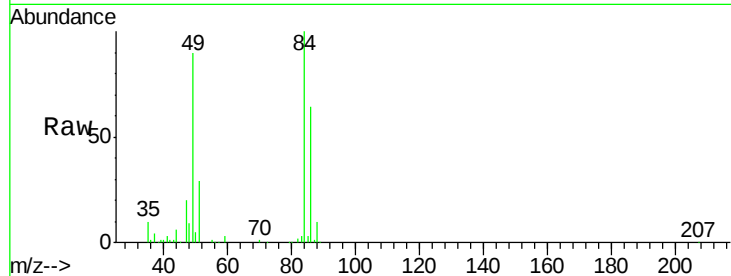
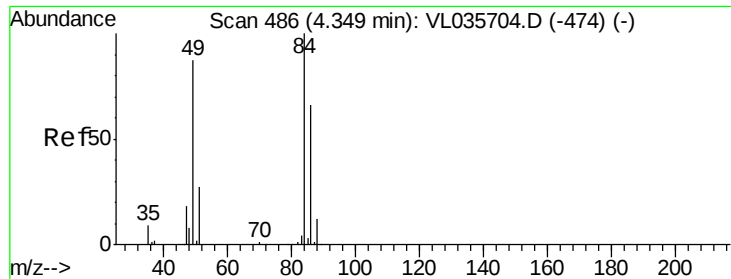
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#19
Isopropyl Alcohol
Concen: 0.290 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.02 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Tgt Ion: 45 Resp: 21384
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#





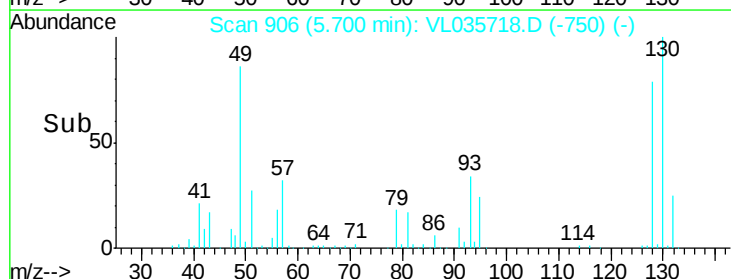
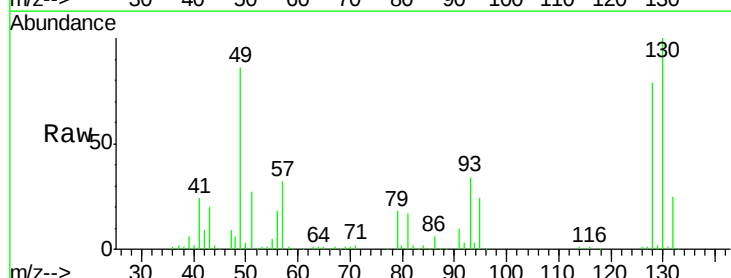
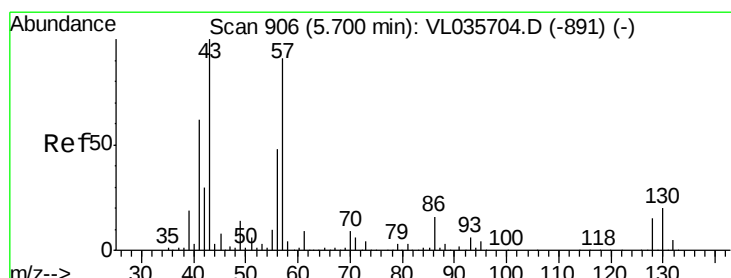
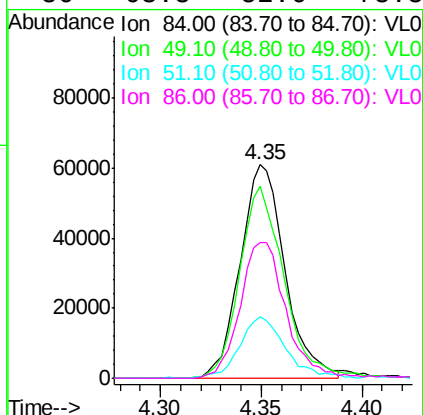
#20
Methvlene Chloride
Concen: 0.953 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Tot Ion	84	Resp	94884
Ion	Ratio	Lower	Upper
84	100		
49	89.8	69.8	104.6
51	28.9	21.8	32.8
86	63.8	52.6	78.8

Instrument :
MSVOA_L
ClientSampleId :
B-2DL

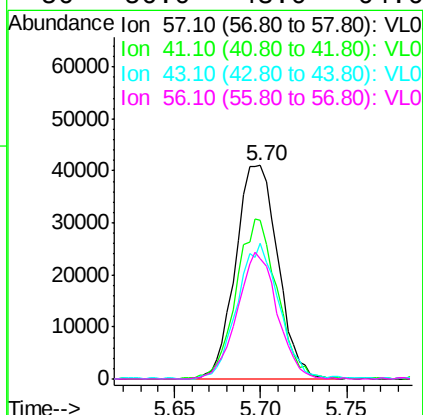
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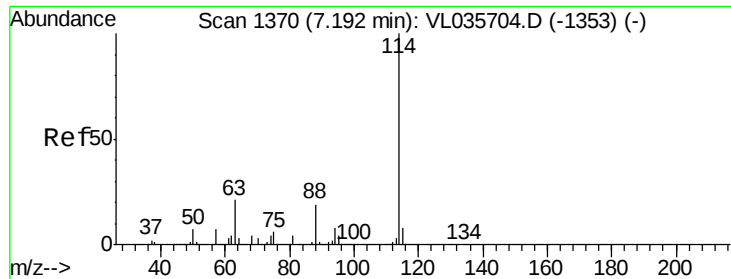
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#26
Hexane
Concen: 0.526 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035718.D
Acq: 23 Sep 2020 14:24

Tgt Ion	57	Resp	70290
Ion	Ratio	Lower	Upper
57	100		
41	73.2	57.9	86.9
43	62.7	143.8	215.6#
56	56.0	43.0	64.6





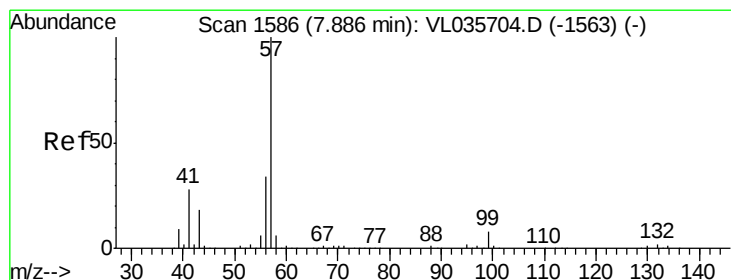
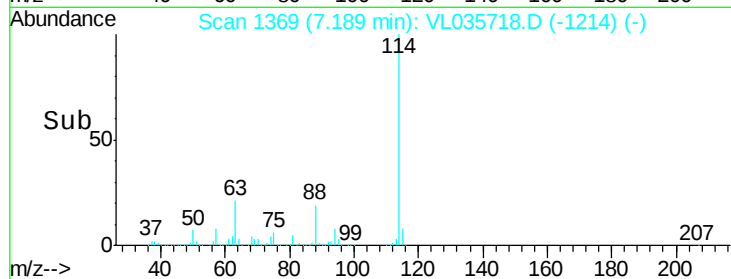
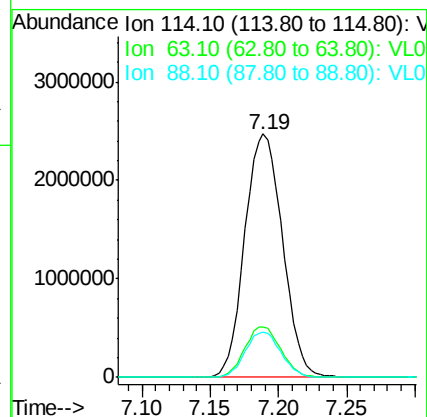
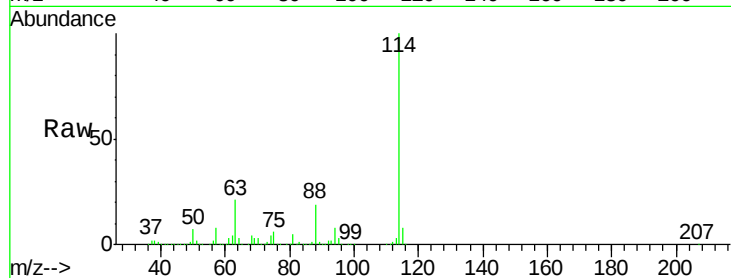
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035718.D
 Acq: 23 Sep 2020 14:24

Instrument :
 MSVOA_L
 ClientSampleId :
 B-2DL

Tot Ion:114 Resp: 4752992
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.7 14.1 21.1

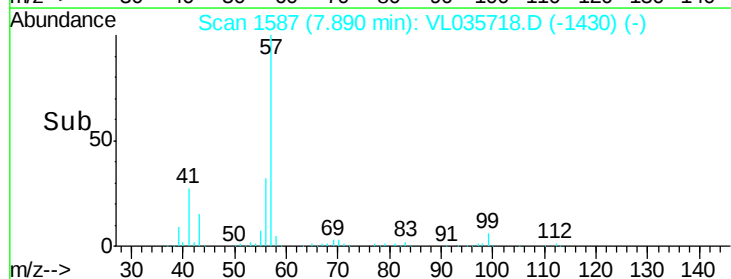
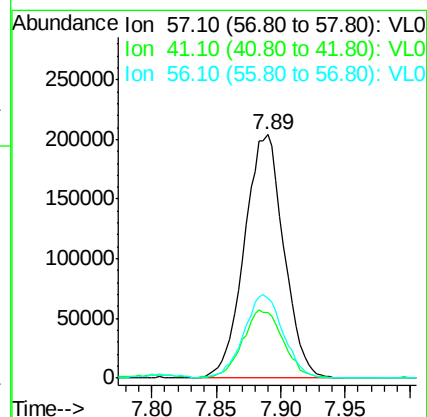
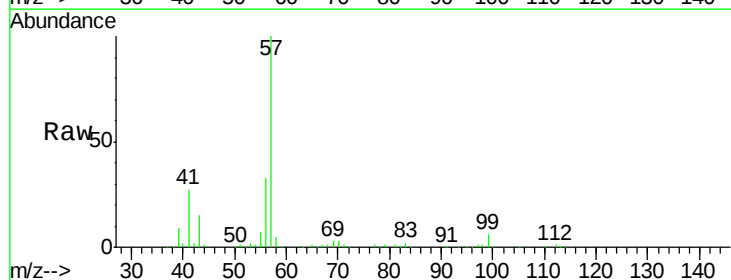
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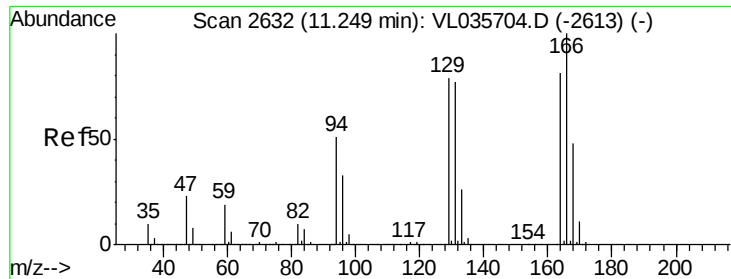
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#44
 2,2,4-Trimethylpentane
 Concen: 0.975 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VL035718.D
 Acq: 23 Sep 2020 14:24

Tgt Ion: 57 Resp: 433158
 Ion Ratio Lower Upper
 57 100
 41 29.0 21.2 31.8
 56 34.4 25.8 38.8





#52

Tetrachloroethene

Concen: 0.036 ppbv m

RT: 11.24 min Scan# 2630

Delta R.T. -0.01 min

Lab File: VL035718.D

Acq: 23 Sep 2020 14:24

Instrument :

MSVOA_L

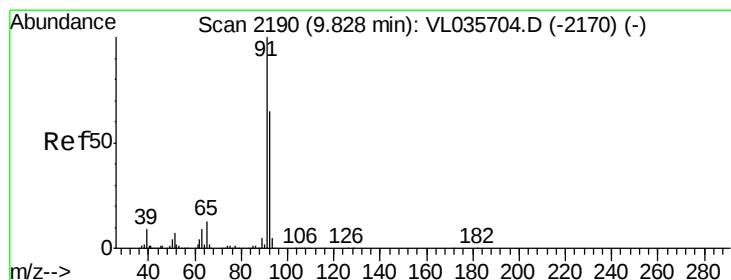
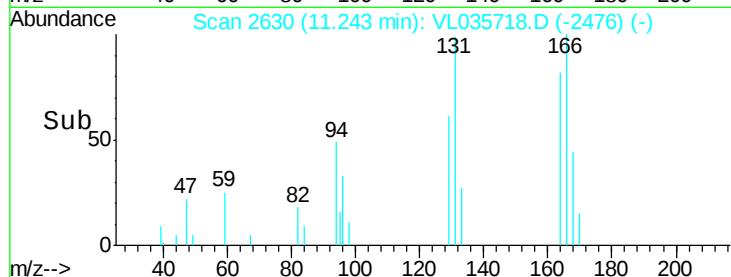
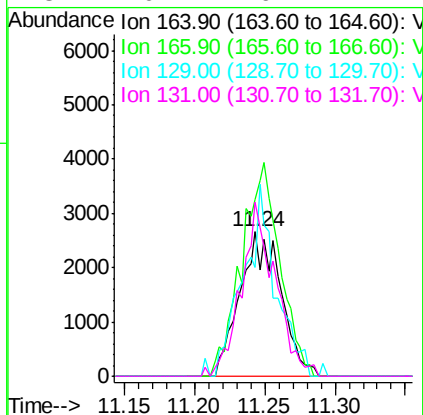
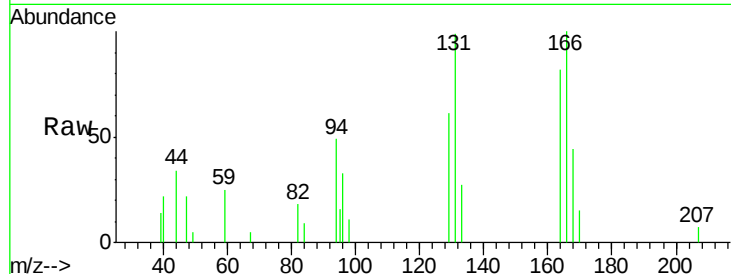
ClientSampleId :

B-2DL

Tot Ion	164	Resp	5404
Ion	Ratio	Lower	Upper
164	100		
166	121.8	98.7	148.1
129	74.9	78.4	117.6#
131	120.1	76.2	114.2#

Manual Integrations
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#53

Toluene

Concen: 0.099 ppbv

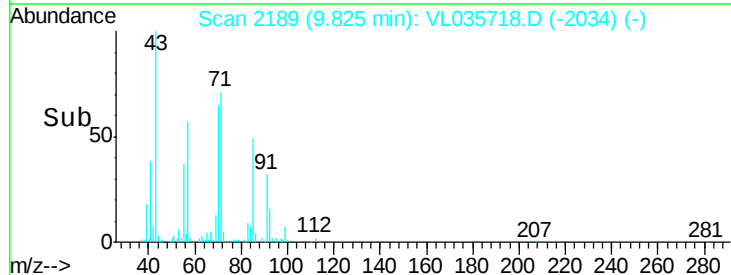
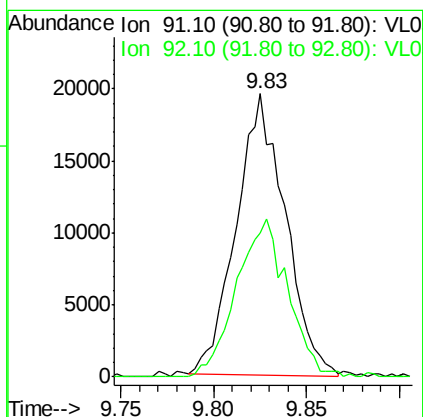
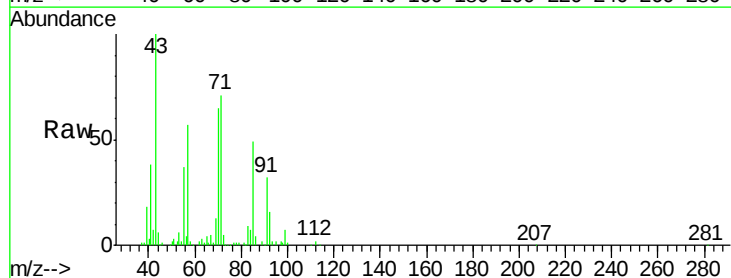
RT: 9.83 min Scan# 2189

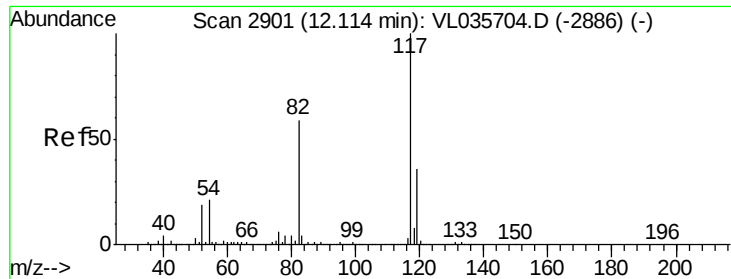
Delta R.T. -0.00 min

Lab File: VL035718.D

Acq: 23 Sep 2020 14:24

Tgt Ion	91	Resp	36059
Ion	Ratio	Lower	Upper
91	100		
92	58.6	50.0	75.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL035718.D

Acq: 23 Sep 2020 14:24

Instrument :

MSVOA_L

ClientSampled :

B-2DL

Tot Ion: 117 Resp: 4780861

Ion Ratio Lower Upper

117 100

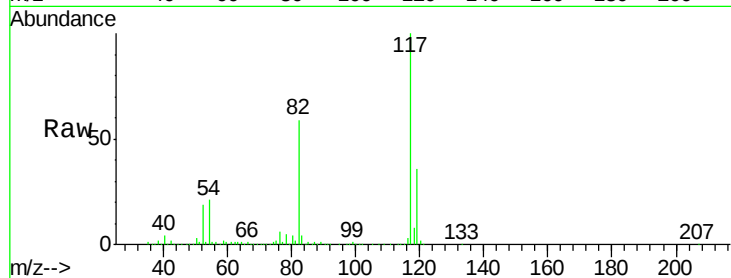
82 58.2 46.1 69.1

119 34.8 28.0 42.0

Manual Integrations
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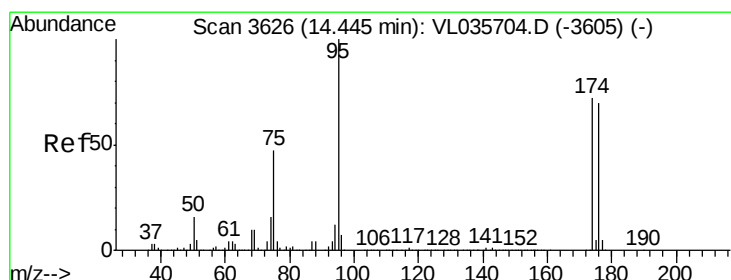
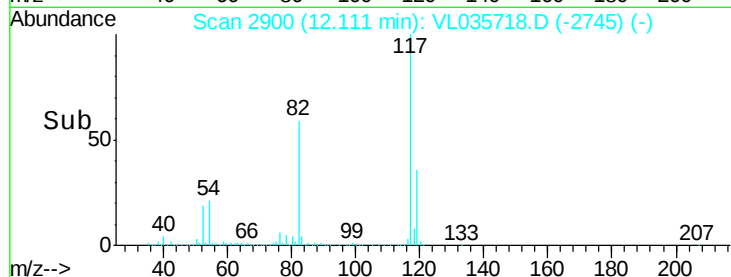
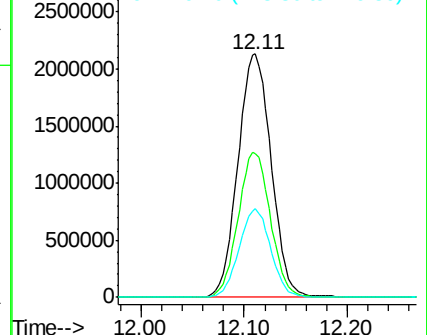
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.938 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.00 min

Lab File: VL035718.D

Acq: 23 Sep 2020 14:24

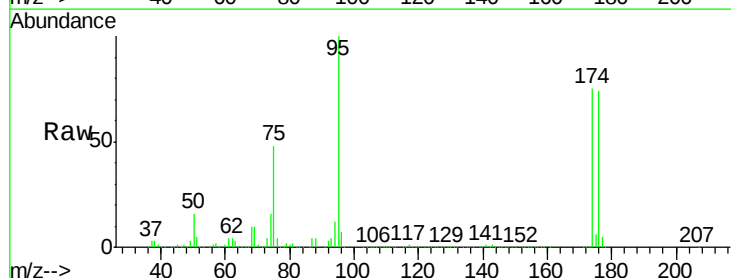
Tgt Ion: 95 Resp: 3560194

Ion Ratio Lower Upper

95 100

174 76.6 59.6 89.4

175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

