

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036118.D
 Acq On : 9 Dec 2020 6:06
 Operator : SY/AP
 Sample : L4948-13DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2BDL

Manual Integrations
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 12/11/2020 12:24:11 PM

Quant Time: Dec 09 09:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1127474	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	2359069	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2072240	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1764093	10.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	12947m	0.201	ppbv	
13) Ethanol	3.61	45	405126m	45.604	ppbv	
15) Acetone	3.86	43	122830	0.906	ppbv #	74
19) Isopropyl Alcohol	3.98	45	17649m	0.213	ppbv	
20) Methylene Chloride	4.35	84	297181	5.352	ppbv	96
26) Hexane	5.69	57	164481	1.350	ppbv #	40
34) 2-Butanone	5.26	43	25786m	0.165	ppbv	
36) Benzene	6.90	78	41990	0.210	ppbv	97
53) Toluene	9.82	91	34960	0.156	ppbv	93

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

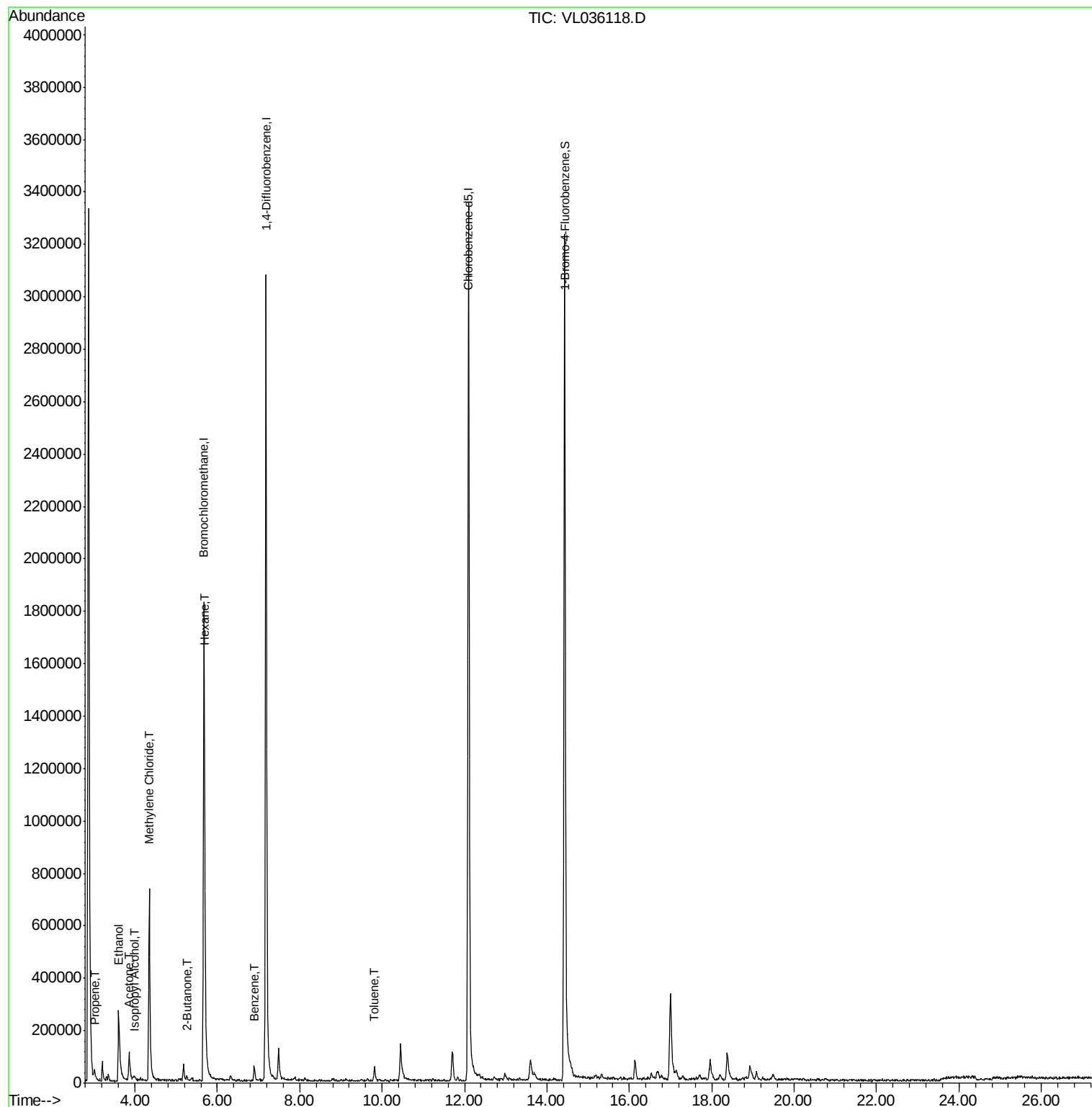
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036118.D
Acq On : 9 Dec 2020 6:06
Operator : SY/AP
Sample : L4948-13DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

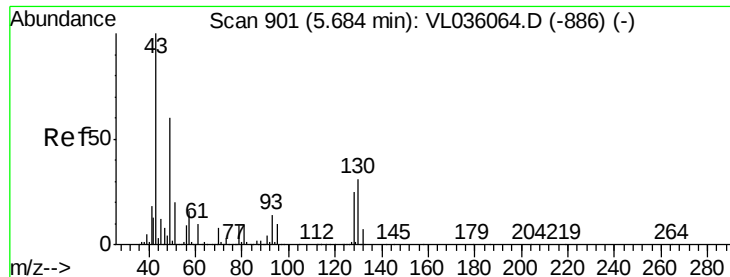
Instrument :
MSVOA_L
ClientSampleId :
SS-2BDL

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Quant Time: Dec 09 09:08:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

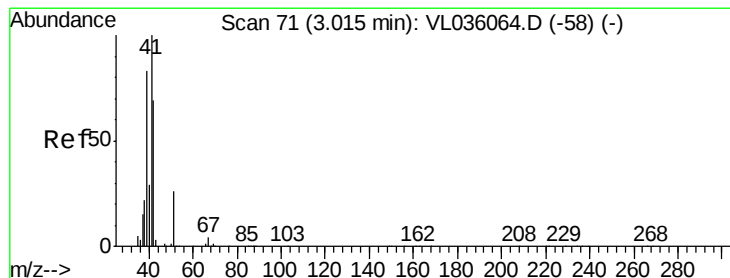
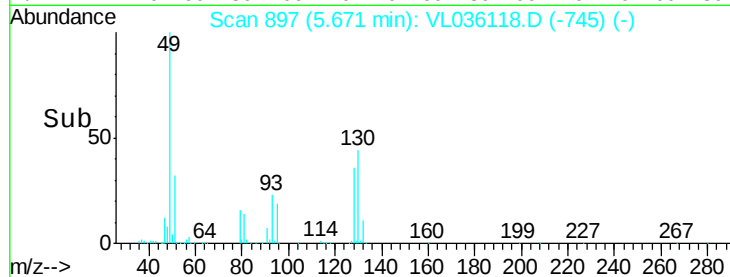
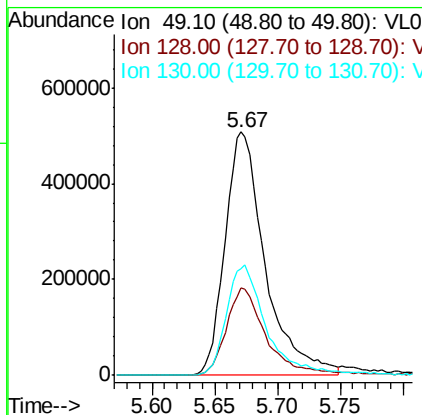
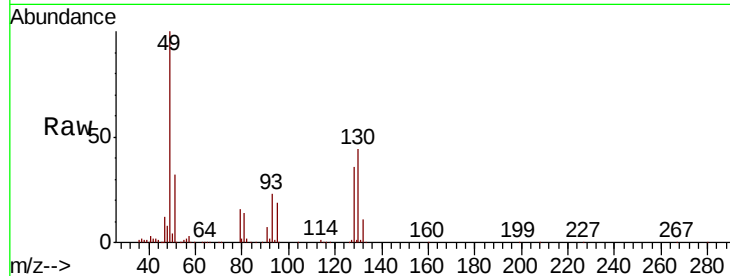
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: VL036118.D
 Acq: 9 Dec 2020 6:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2BDL

Tot Ion: 49 Resp: 1127474
 Ion Ratio Lower Upper
 49 100
 128 37.1 21.1 63.1
 130 45.7 27.1 81.3

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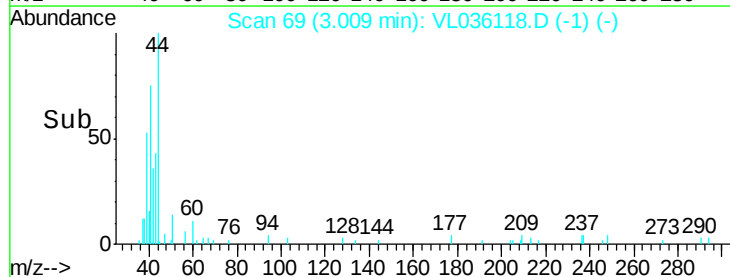
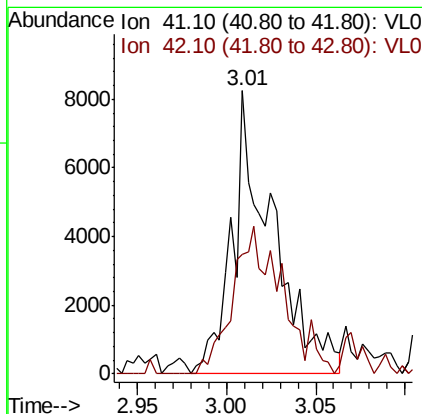
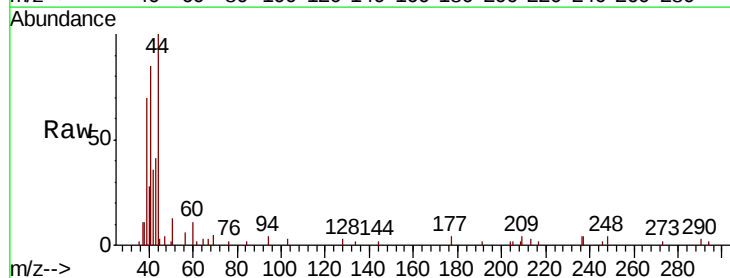
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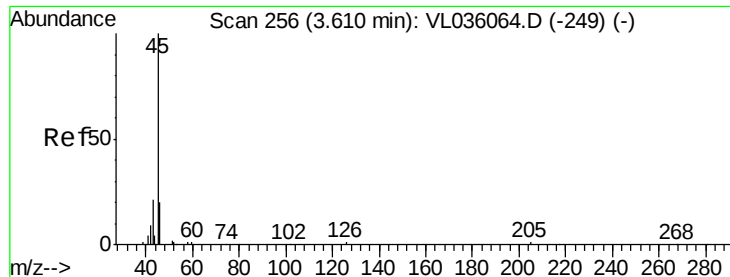


#9

Propene
 Concen: 0.201 ppbv m
 RT: 3.01 min Scan# 69
 Delta R.T. -0.01 min
 Lab File: VL036118.D
 Acq: 9 Dec 2020 6:06

Tgt Ion: 41 Resp: 12947
 Ion Ratio Lower Upper
 41 100
 42 64.3 57.0 85.6





#13

Ethanol

Concen: 45.604 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036118.D

Acq: 9 Dec 2020 6:06

Instrument :

MSVOA_L

ClientSampleId :

SS-2BDL

Tot Ion: 45 Resp: 405126

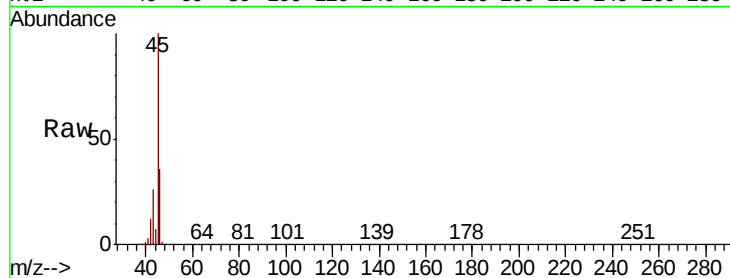
Ion Ratio Lower Upper

45 100

46 36.1 19.0 75.8

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

150000

100000

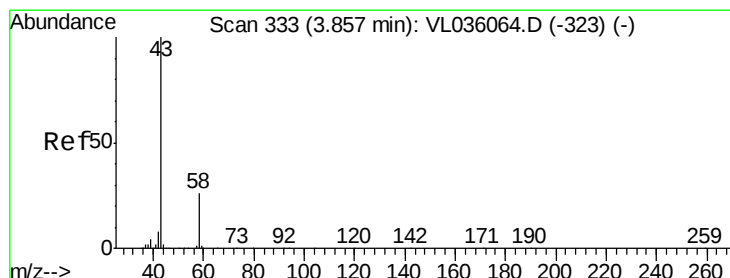
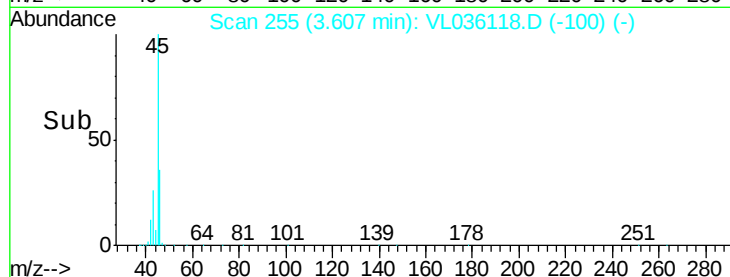
50000

0

3.61

3.70

Time-->



#15

Acetone

Concen: 0.906 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL036118.D

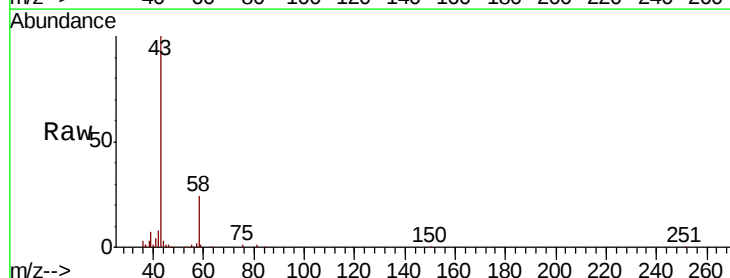
Acq: 9 Dec 2020 6:06

Tgt Ion: 43 Resp: 122830

Ion Ratio Lower Upper

43 100

58 39.4 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

80000

60000

40000

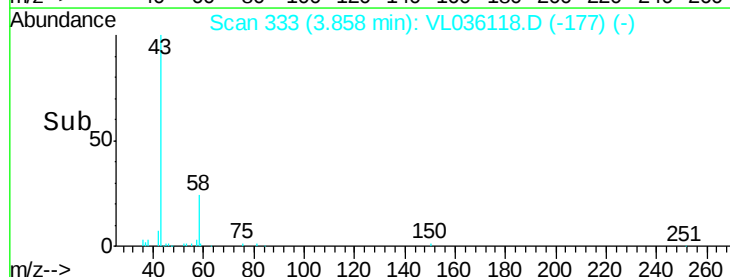
20000

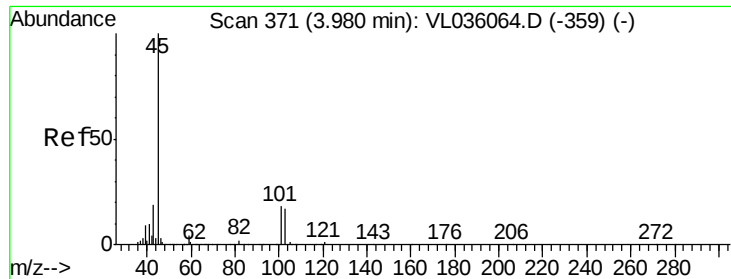
0

3.86

3.90

Time-->





#19

Isopropyl Alcohol

Concen: 0.213 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL036118.D

Acq: 9 Dec 2020 6:06

Instrument :

MSVOA_L

ClientSampleId :

SS-2BDL

Tot Ion: 45 Resp: 17649

Ion Ratio Lower Upper

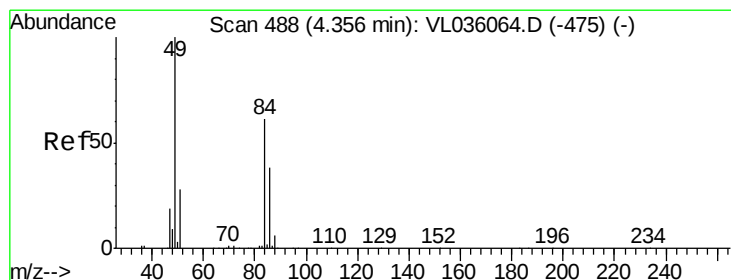
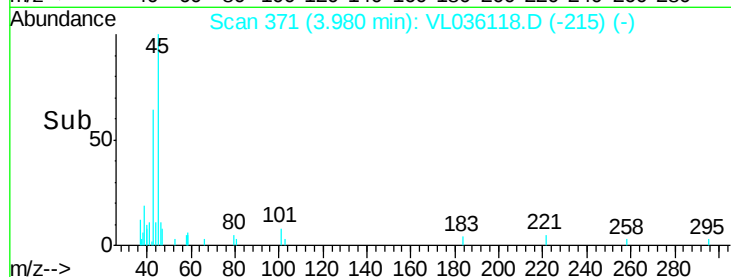
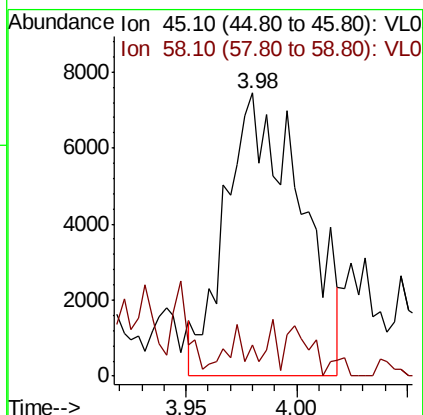
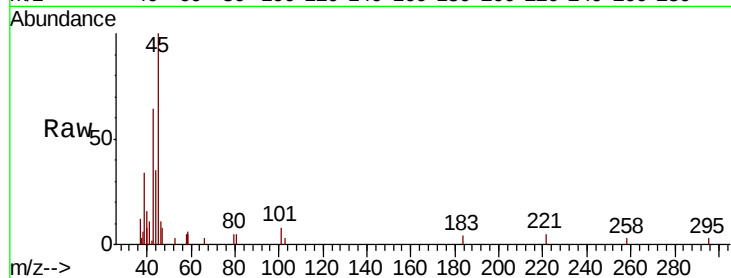
45 100

58 282.5 0.0 0.0#

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#20

Methylene Chloride

Concen: 5.352 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036118.D

Acq: 9 Dec 2020 6:06

Tgt Ion: 84 Resp: 297181

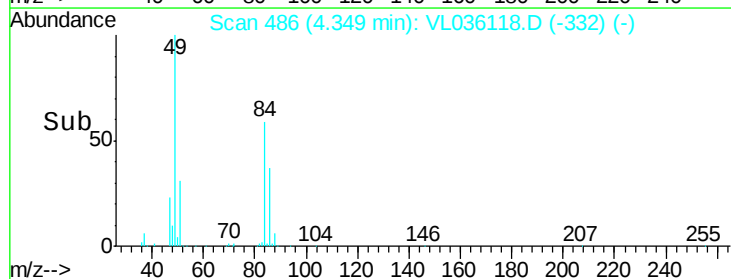
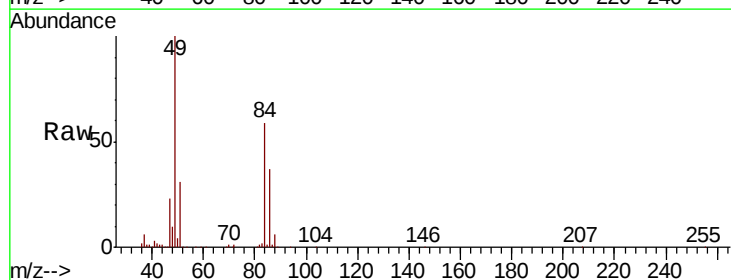
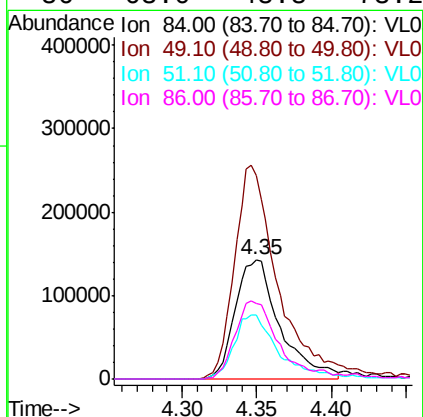
Ion Ratio Lower Upper

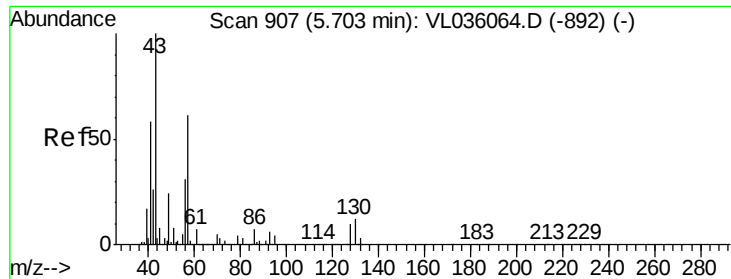
84 100

49 170.5 133.0 199.4

51 53.6 38.9 58.3

86 63.0 48.8 73.2





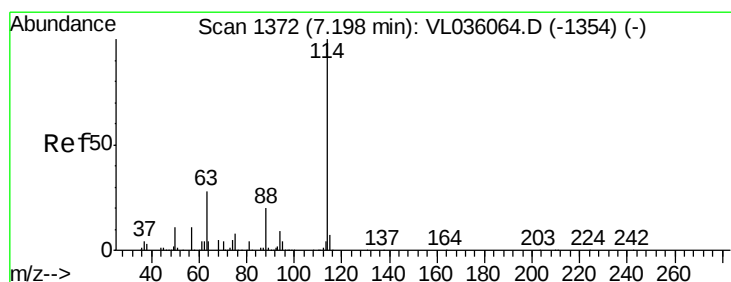
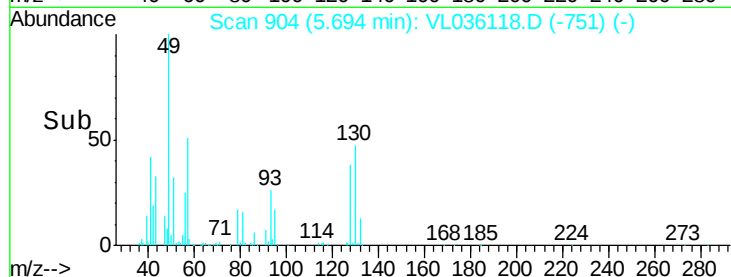
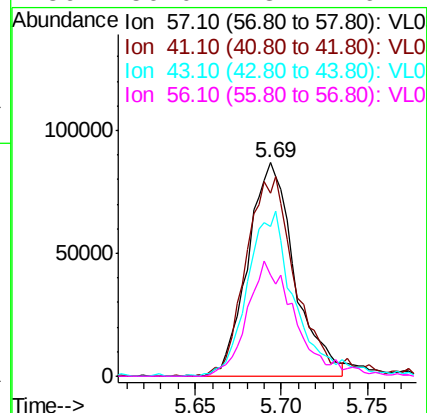
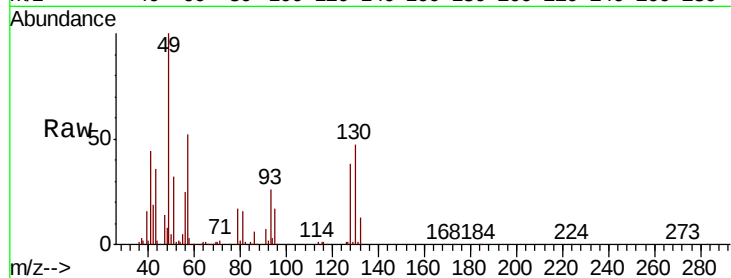
#26
Hexane
Concen: 1.350 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL036118.D
Acq: 9 Dec 2020 6:06

Instrument :
MSVOA_L
ClientSampleId :
SS-2BDL

Tot Ion	57	Resp	164481
Ion	Ratio	Lower	Upper
57	100		
41	103.1	82.9	124.3
43	79.7	199.9	299.9#
56	56.0	43.1	64.7

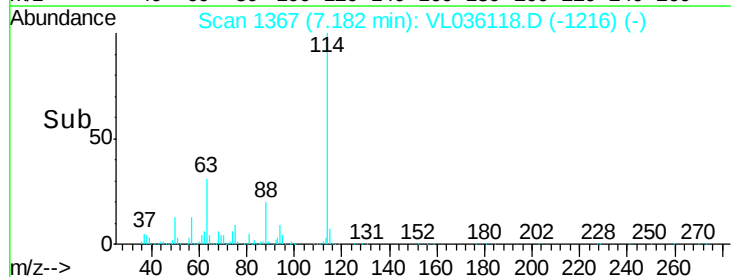
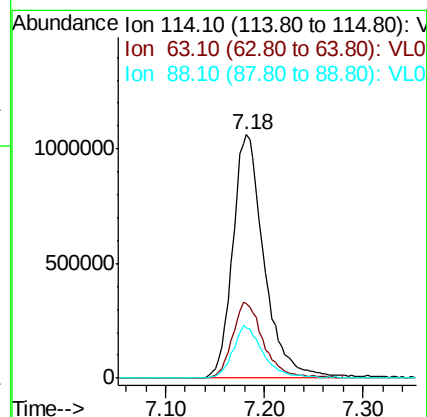
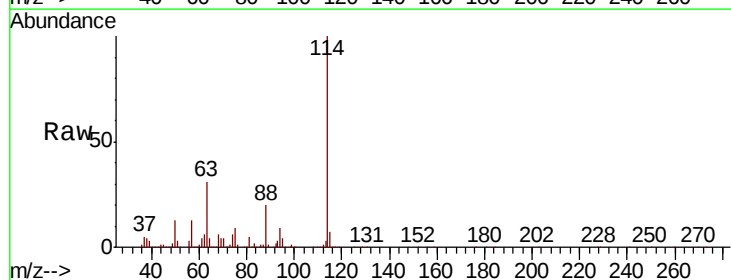
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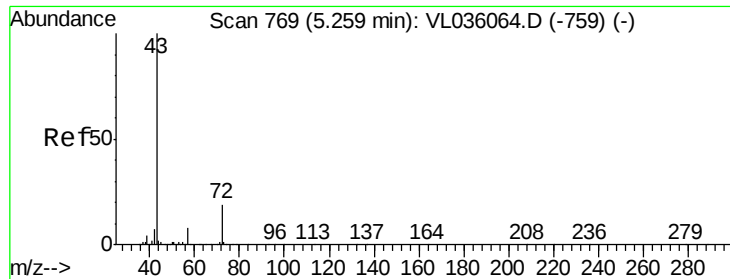
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VL036118.D
Acq: 9 Dec 2020 6:06

Tgt Ion	114	Resp	2359069
Ion	Ratio	Lower	Upper
114	100		
63	31.3	23.6	35.4
88	20.8	15.8	23.6





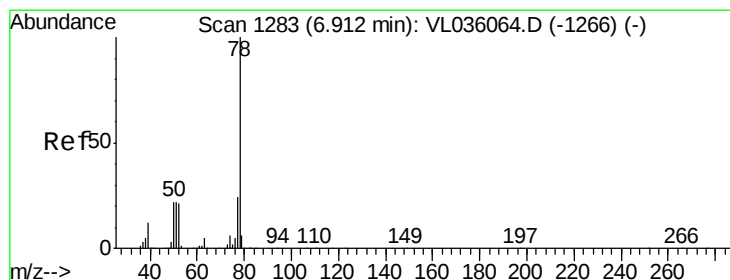
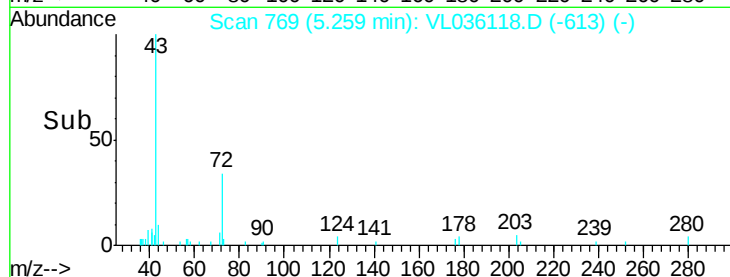
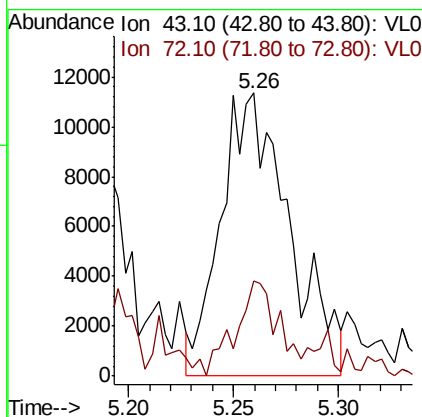
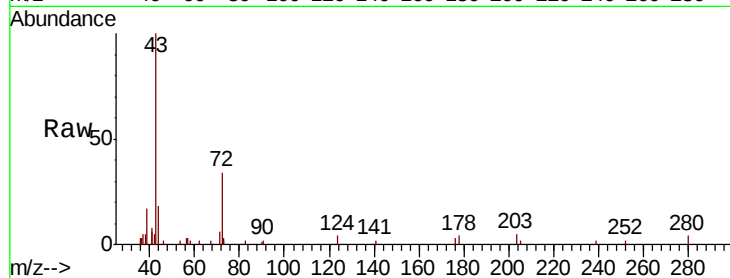
#34
2-Butanone
Concen: 0.165 ppbv m
RT: 5.26 min Scan# 769
Delta R.T. 0.00 min
Lab File: VL036118.D
Acq: 9 Dec 2020 6:06

Instrument :
MSVOA_L
ClientSampleId :
SS-2BDL

Tot Ion: 43 Resp: 25786
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#

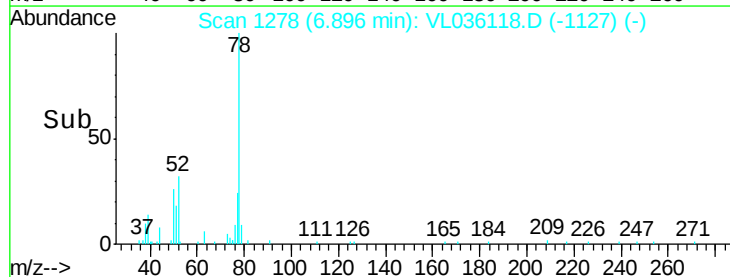
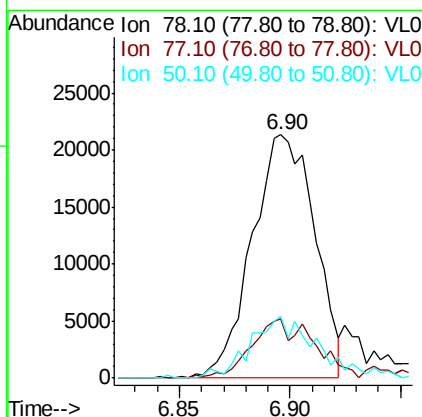
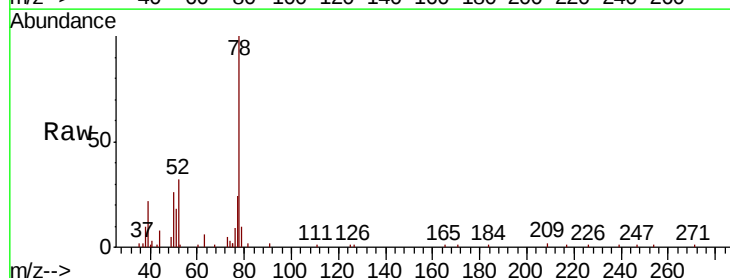
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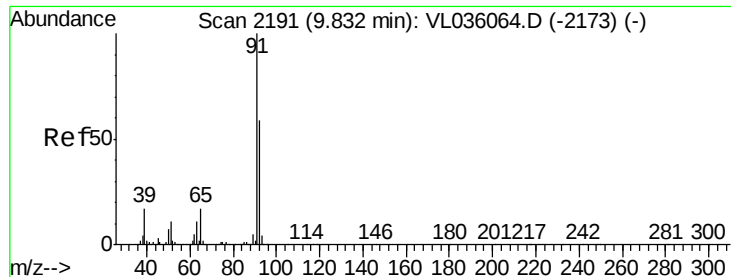
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#36
Benzene
Concen: 0.210 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VL036118.D
Acq: 9 Dec 2020 6:06

Tgt Ion: 78 Resp: 41990
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2
50 25.6 17.8 26.8





#53

Toluene

Concen: 0.156 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL036118.D

Acq: 9 Dec 2020 6:06

Instrument :

MSVOA_L

ClientSampled :

SS-2BDL

Tot Ion: 91 Resp: 34960

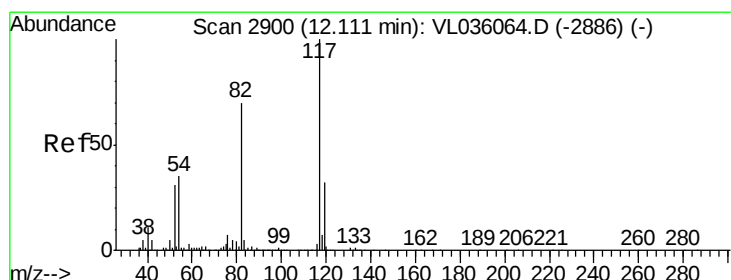
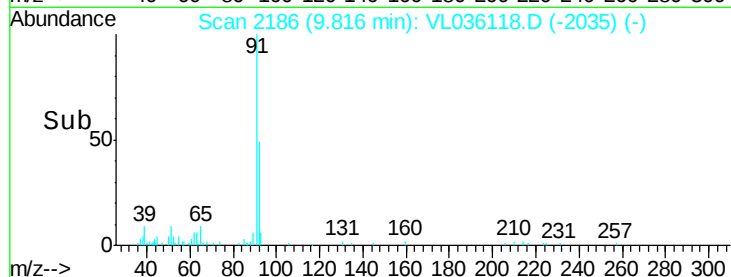
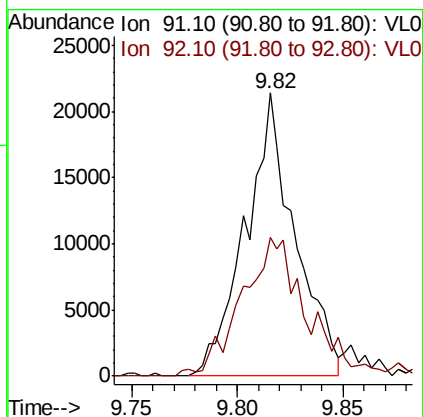
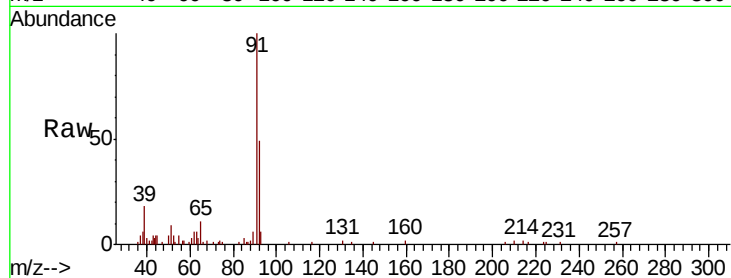
Ion Ratio Lower Upper

91 100

92 65.6 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL036118.D

Acq: 9 Dec 2020 6:06

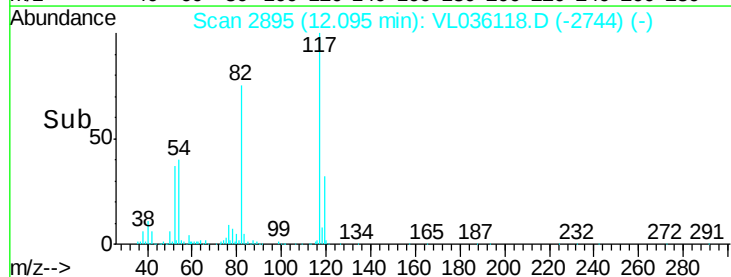
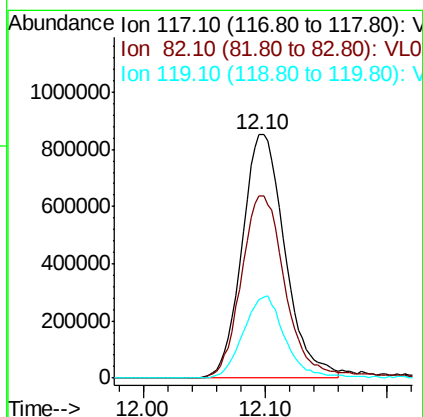
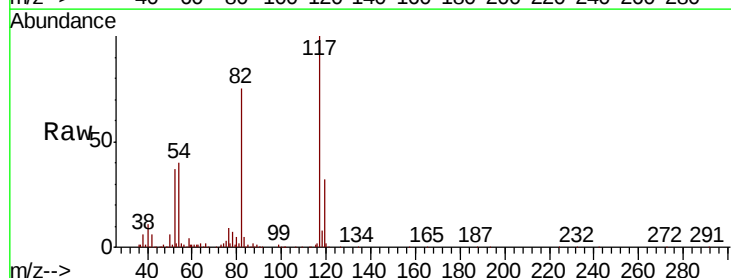
Tgt Ion: 117 Resp: 2072240

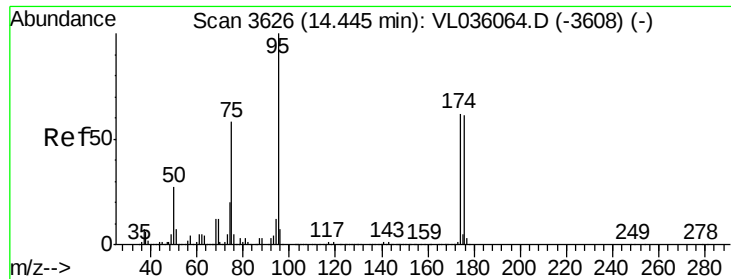
Ion Ratio Lower Upper

117 100

82 78.2 0.0 0.0#

119 33.4 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.721 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL036118.D
 Acq: 9 Dec 2020 6:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2BDL

Tot Ion: 95 Resp: 1764093
 Ion Ratio Lower Upper
 95 100
 174 56.2 50.7 76.1
 175 4.1 4.0 6.0

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