

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036198.D
 Acq On : 23 Dec 2020 18:49
 Operator : SY/AP
 Sample : L5196-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG1

Manual Integrations
 APPROVED

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 12/26/2020 1:36:18 PM

Quant Time: Dec 24 05:58:19 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	5.64	49	1233853	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2384801	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2127998	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1839064	10.88	ppbv	-0.06
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	21690m	0.308	ppbv	
13) Ethanol	3.59	45	53463m	5.499	ppbv	
15) Acetone	3.84	43	106457m	0.718	ppbv	
19) Isopropyl Alcohol	3.96	45	41581m	0.459	ppbv	
20) Methylene Chloride	4.32	84	30403m	0.500	ppbv	
26) Hexane	5.66	57	33181m	0.249	ppbv	
53) Toluene	9.79	91	26872m	0.118	ppbv	
62) Isopropylbenzene	14.64	105	248137m	0.723	ppbv	

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

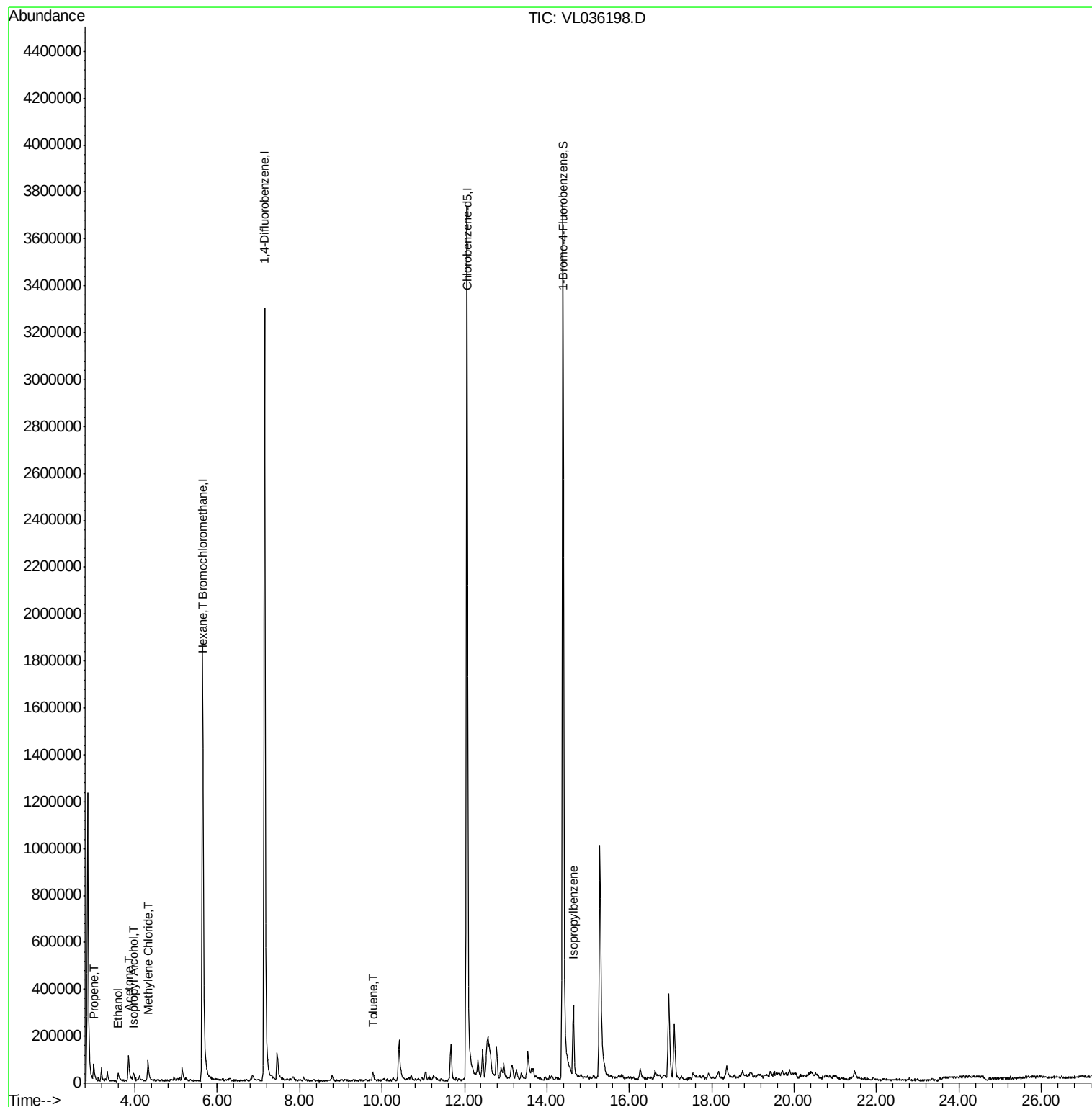
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL122320\
Data File : VL036198.D
Acq On : 23 Dec 2020 18:49
Operator : SY/AP
Sample : L5196-02 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

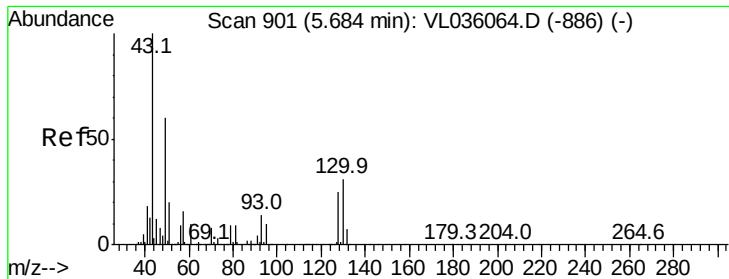
Instrument :
MSVOA_L
ClientSampleId :
SSSG1

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Quant Time: Dec 24 05:58:19 2020
Quant Method : Z:\V0ASRV\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: 5.64 min Scan# 888

Delta R.T. -0.04 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

SSSG1

Tot Ion: 49 Resp: 1233853

Ion Ratio Lower Upper

49 100

128 35.1 21.1 63.1

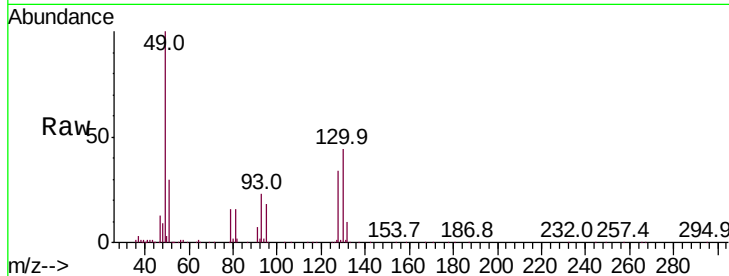
130 44.4 27.1 81.3

Manual Integrations

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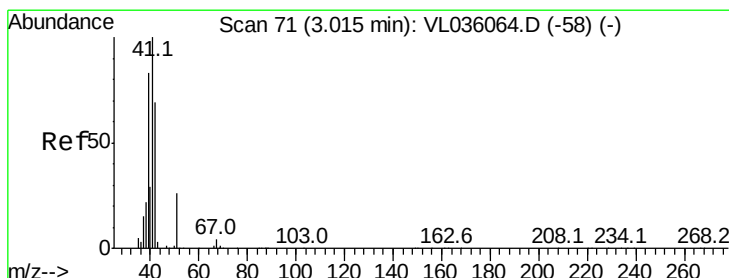
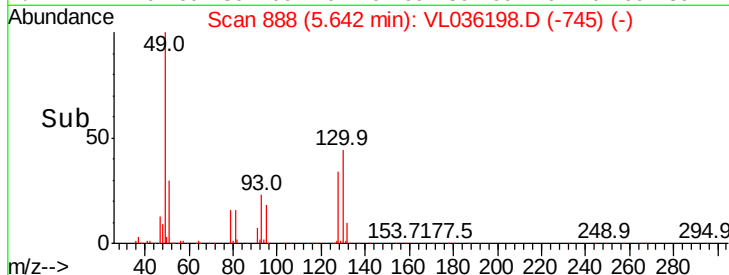
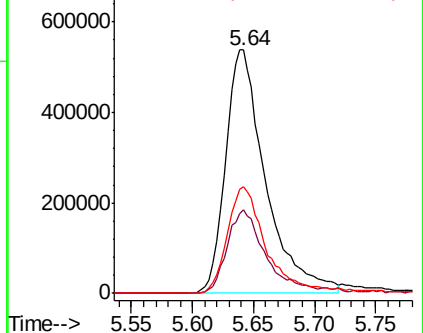
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.308 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036198.D

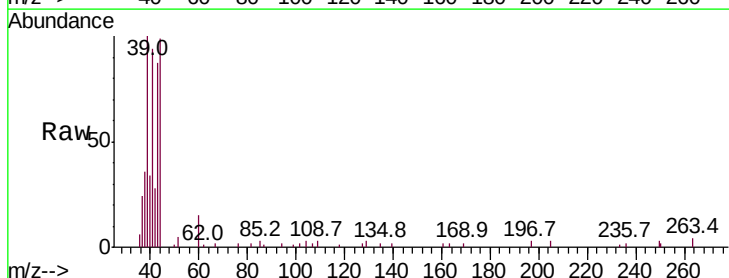
Acq: 23 Dec 2020 18:49

Tgt Ion: 41 Resp: 21690

Ion Ratio Lower Upper

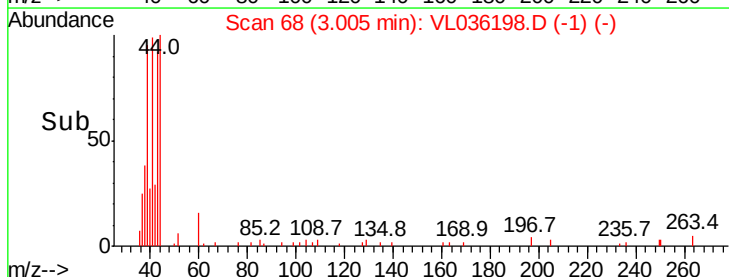
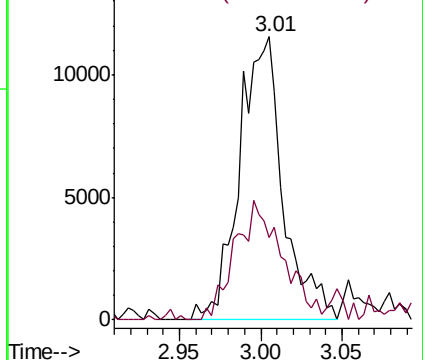
41 100

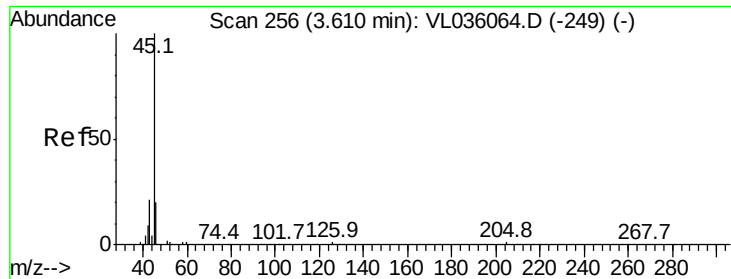
42 50.0 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





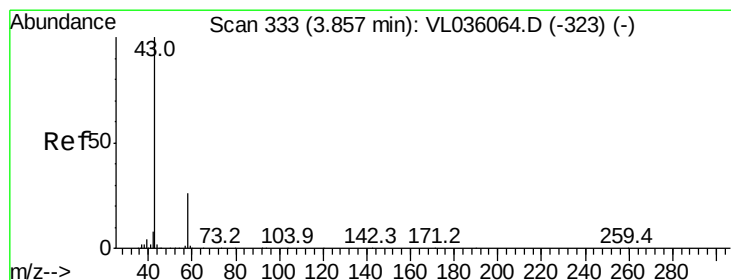
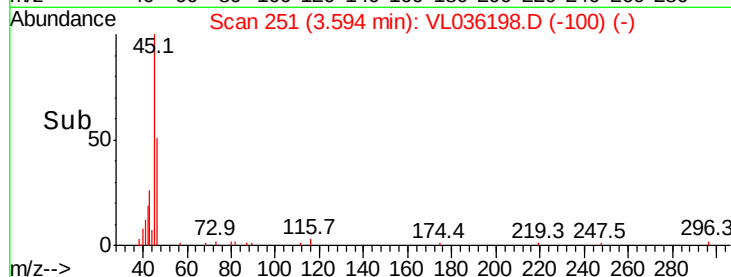
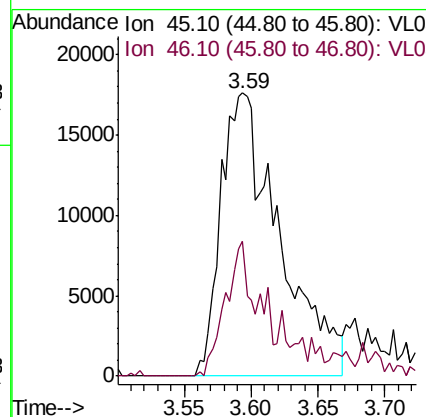
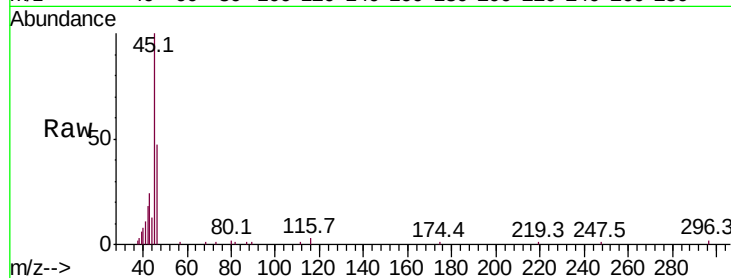
#13
Ethanol
Concen: 5.499 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Instrument :
MSVOA_L
ClientSampleId :
SSSG1

Tot Ion: 45 Resp: 53463
Ion Ratio Lower Upper
45 100
46 37.6 19.0 75.8

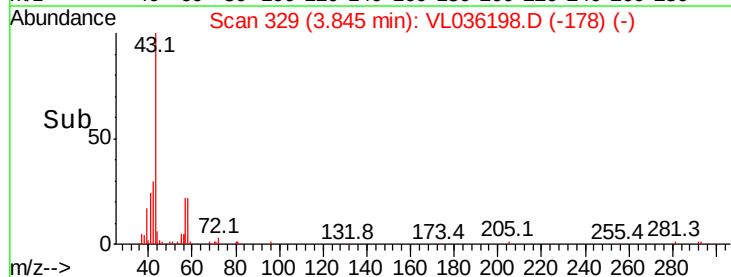
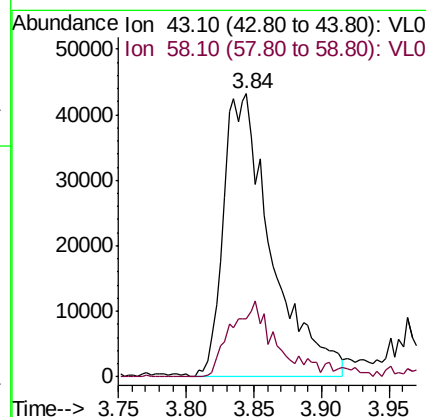
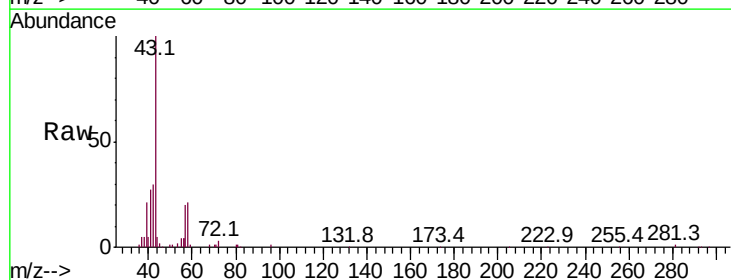
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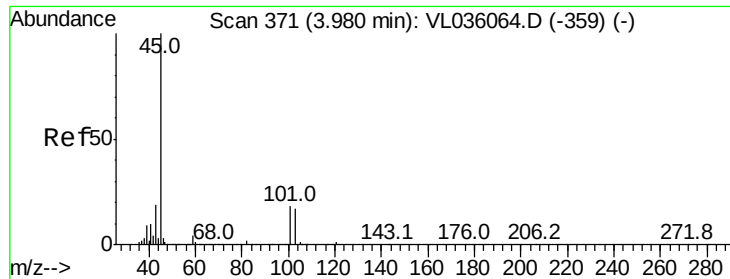
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#15
Acetone
Concen: 0.718 ppbv m
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Tgt Ion: 43 Resp: 106457
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#





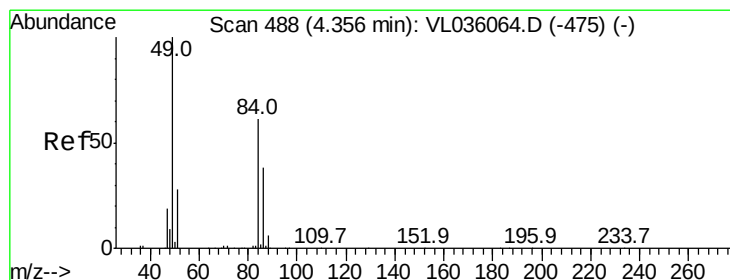
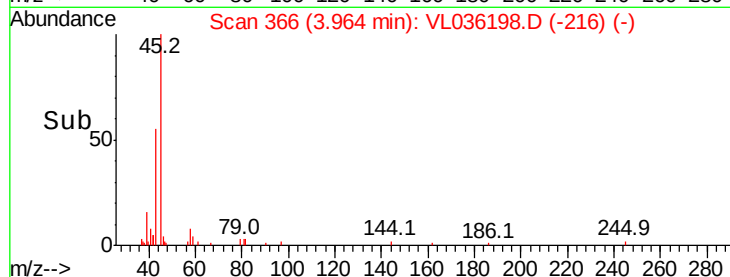
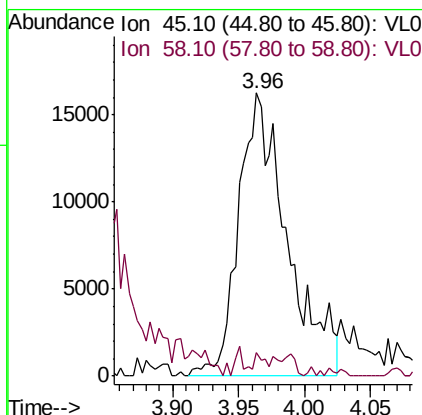
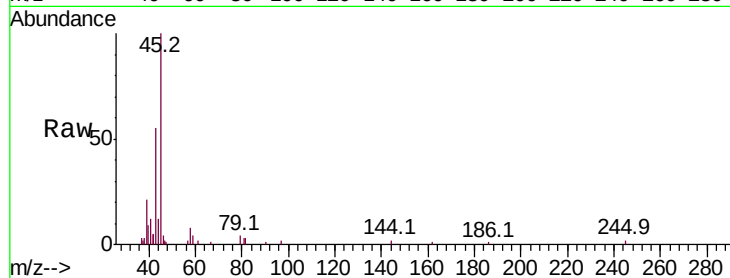
#19
Isopropyl Alcohol
Concen: 0.459 ppbv m
RT: 3.96 min Scan# 366
Delta R.T. -0.02 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Instrument :
MSVOA_L
ClientSampleId :
SSSG1

Tot Ion	Ratio	Lower	Upper
45	100		
58	8.2	0.0	0.0#

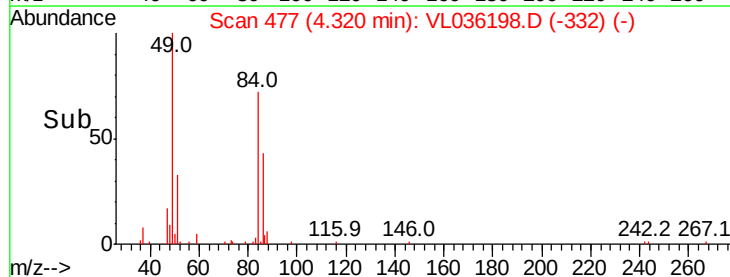
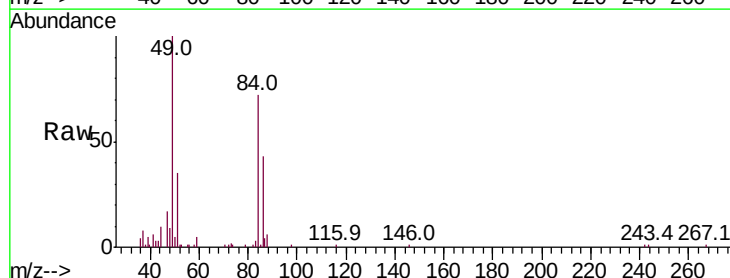
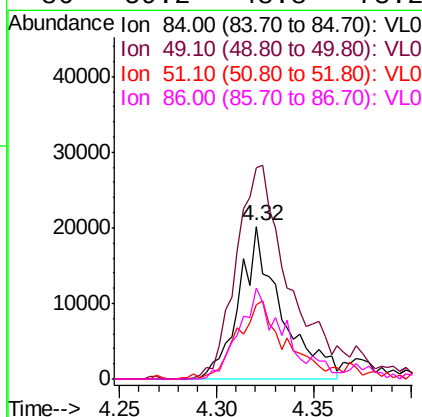
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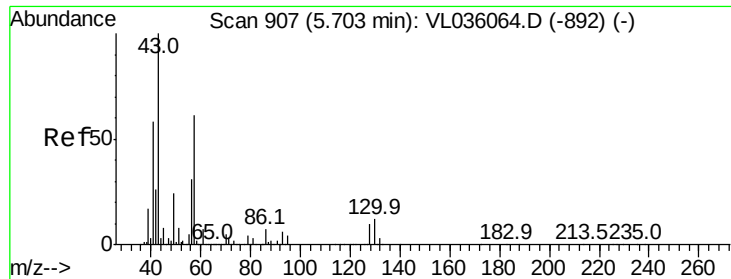
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#20
Methylene Chloride
Concen: 0.500 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. -0.04 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	133.0	199.4
51	48.5	38.9	58.3
86	59.2	48.8	73.2





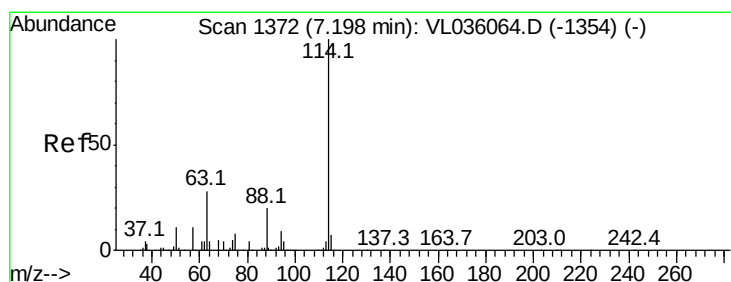
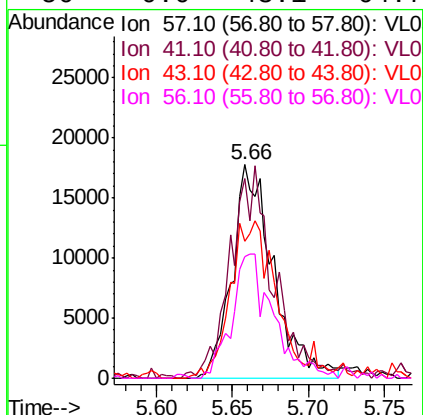
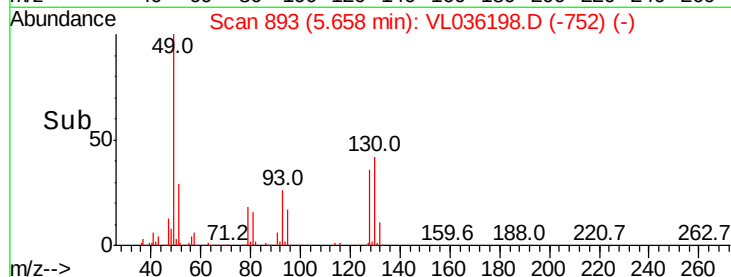
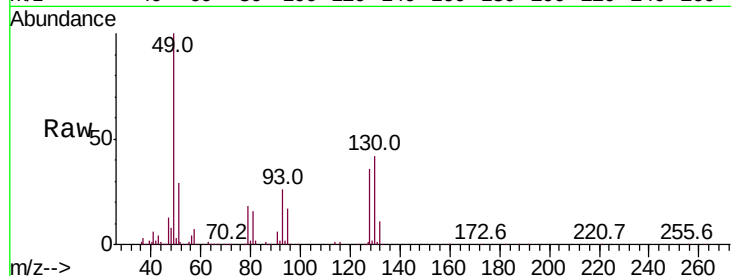
#26
Hexane
Concen: 0.249 ppbv m
RT: 5.66 min Scan# 893
Delta R.T. -0.05 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Instrument :
MSVOA_L
ClientSampled :
SSSG1

Tot Ion: 57 Resp: 33181
Ion Ratio Lower Upper
57 100
41 0.0 82.9 124.3#
43 0.0 199.9 299.9#
56 0.0 43.1 64.7#

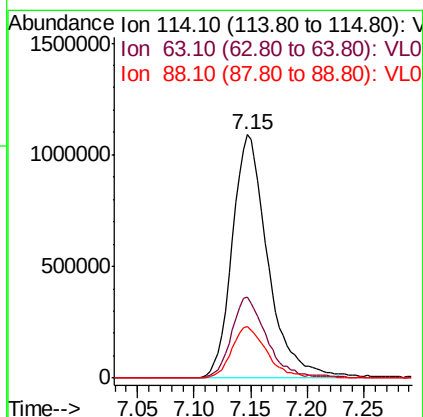
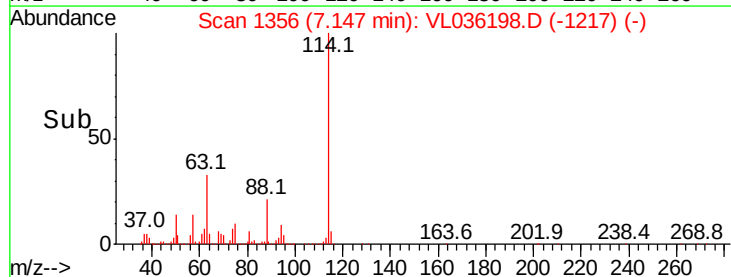
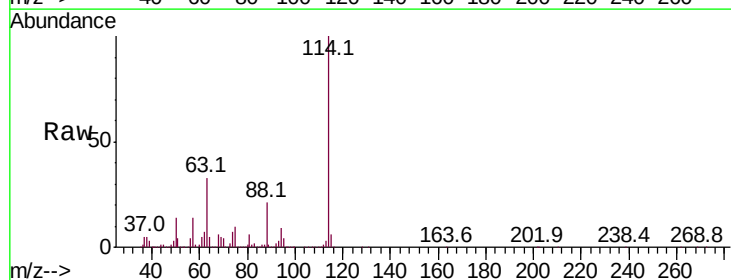
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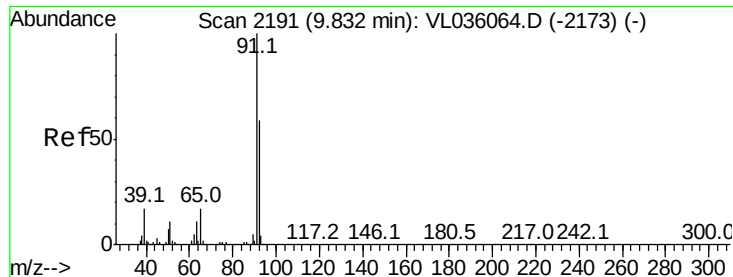
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.05 min
Lab File: VL036198.D
Acq: 23 Dec 2020 18:49

Tgt Ion: 114 Resp: 2384801
Ion Ratio Lower Upper
114 100
63 33.4 23.6 35.4
88 21.0 15.8 23.6





#53

Toluene

Concen: 0.118 ppbv m

RT: 9.79 min Scan# 2177

Delta R.T. -0.05 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

SSSG1

Tot Ion: 91 Resp: 26872

Ion Ratio Lower Upper

91 100

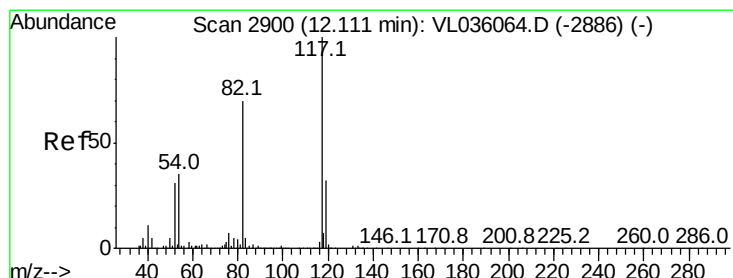
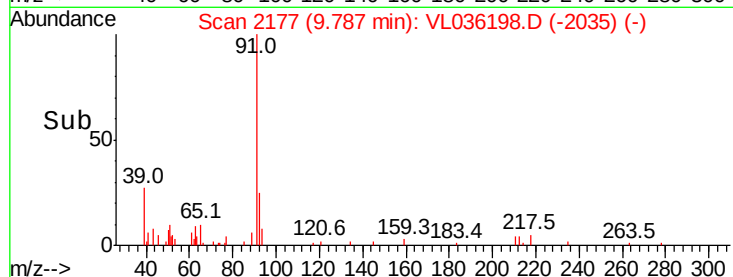
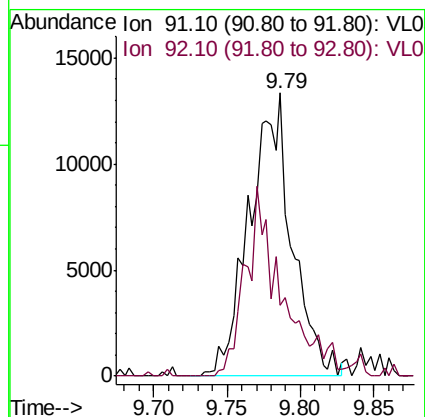
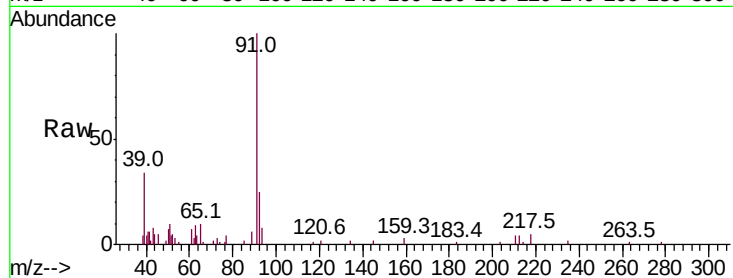
92 59.1 48.2 72.2

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.05 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

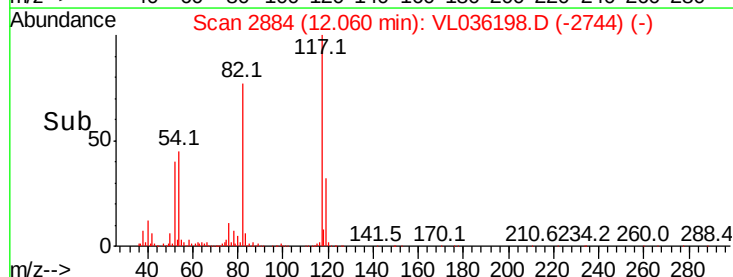
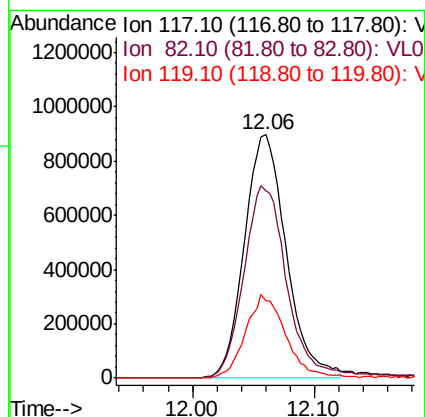
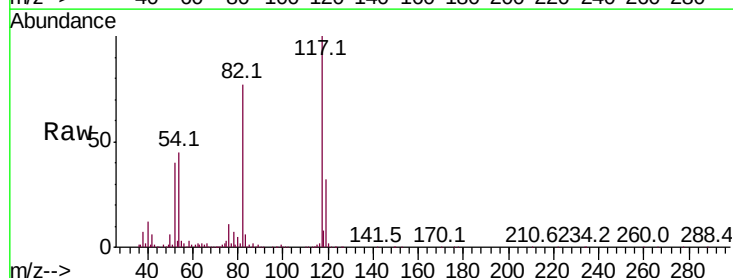
Tgt Ion: 117 Resp: 2127998

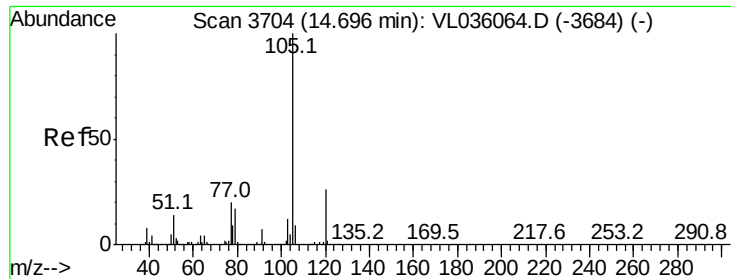
Ion Ratio Lower Upper

117 100

82 82.8 0.0 0.0#

119 33.1 0.0 0.0#





#62

Isopropylbenzene

Concen: 0.723 ppbv m

RT: 14.64 min Scan# 3687

Delta R.T. -0.05 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

SSSG1

Tot Ion: 105 Resp: 248137

Ion Ratio Lower Upper

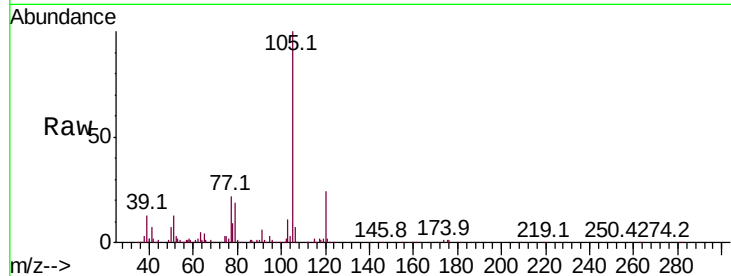
105 100

120 0.0 20.1 30.1#

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

120000

100000

80000

60000

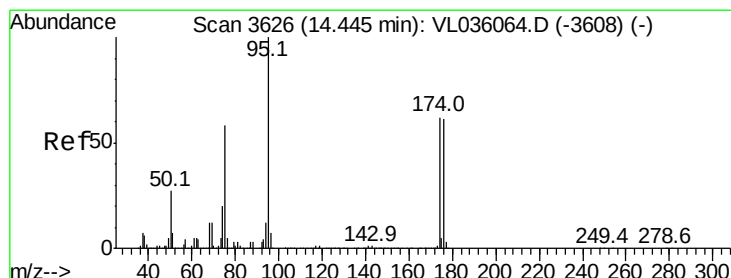
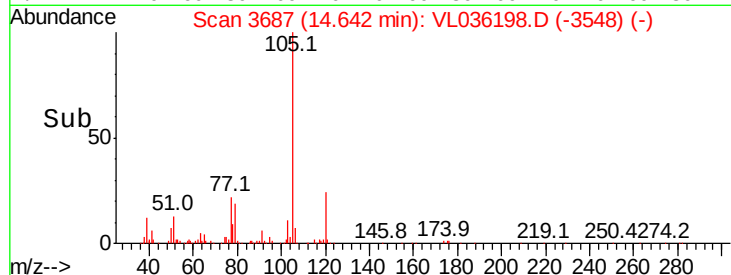
40000

20000

0

14.50 14.60 14.70

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.884 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.06 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

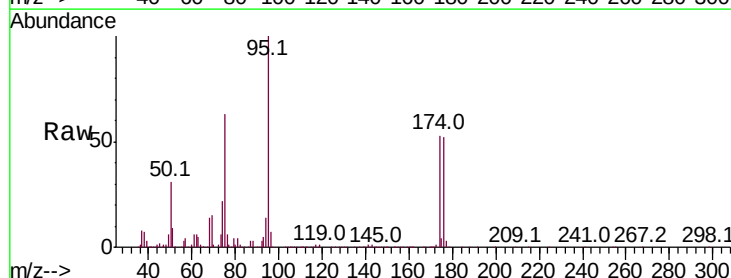
Tgt Ion: 95 Resp: 1839064

Ion Ratio Lower Upper

95 100

174 57.9 50.7 76.1

175 3.8 4.0 6.0#



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

1000000

800000

600000

400000

200000

0

14.30 14.35 14.40 14.45

Time-->

