

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

Quant Time: Dec 24 05:25:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 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%

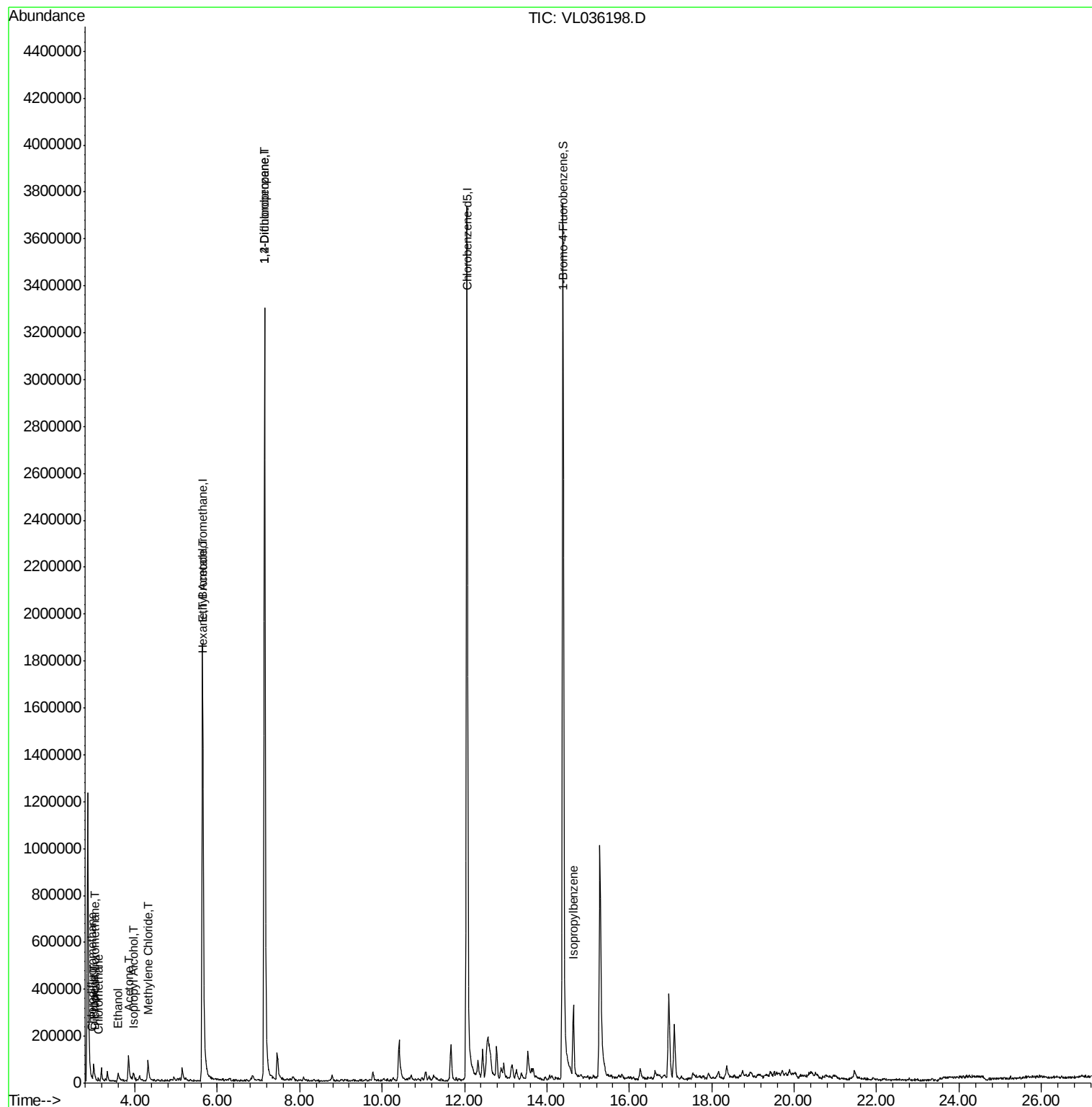
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	7241	0.050	ppbv #	76
3) Chlorodifluoromethane	2.96	51	13160	0.093	ppbv	96
4) Chloromethane	3.13	50	2748	0.040	ppbv #	57
9) Propene	2.99	41	6448	0.091	ppbv #	1
13) Ethanol	3.59	45	29858	3.071	ppbv	70
15) Acetone	3.83	43	36295	0.245	ppbv #	49
19) Isopropyl Alcohol	3.96	45	21245	0.234	ppbv #	100
20) Methylene Chloride	4.32	84	19535	0.321	ppbv	86
25) Ethyl Acetate	5.65	43	9423	0.032	ppbv #	75
26) Hexane	5.66	57	18249	0.137	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	764785	9.582	ppbv #	25
62) Isopropylbenzene	14.64	105	134744	0.393	ppbv #	50

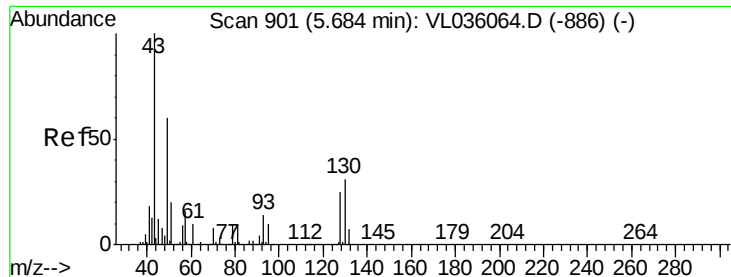
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 24 05:25:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
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

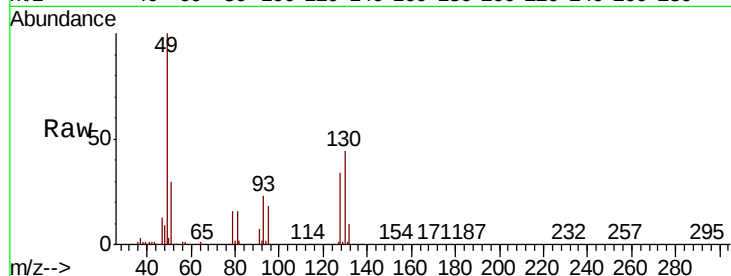
Tot Ion: 49 Resp: 1233853

Ion Ratio Lower Upper

49 100

128 35.1 21.1 63.1

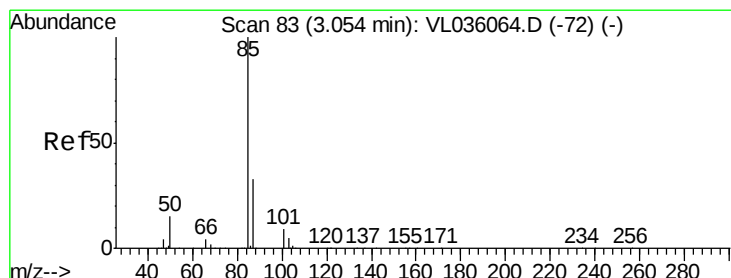
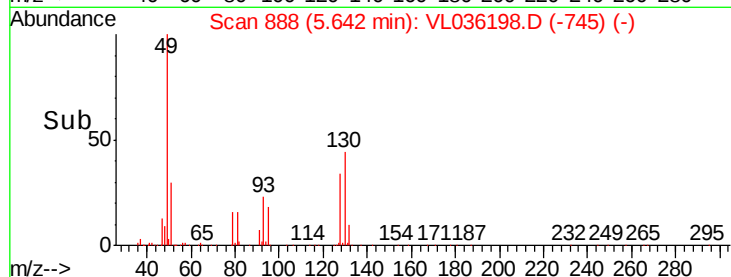
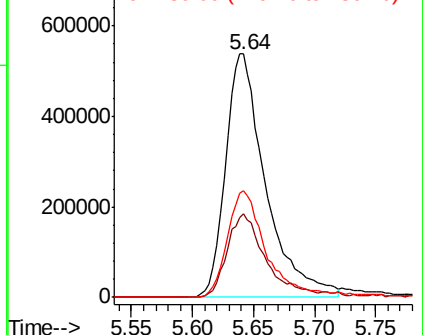
130 44.4 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.050 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036198.D

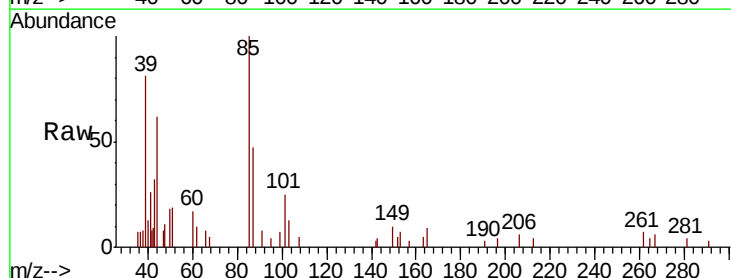
Acq: 23 Dec 2020 18:49

Tgt Ion: 85 Resp: 7241

Ion Ratio Lower Upper

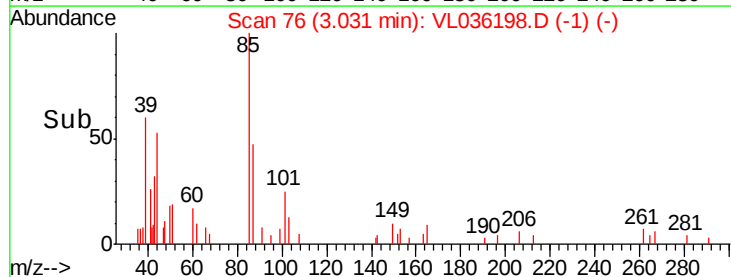
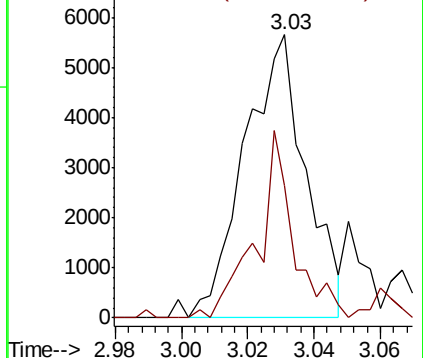
85 100

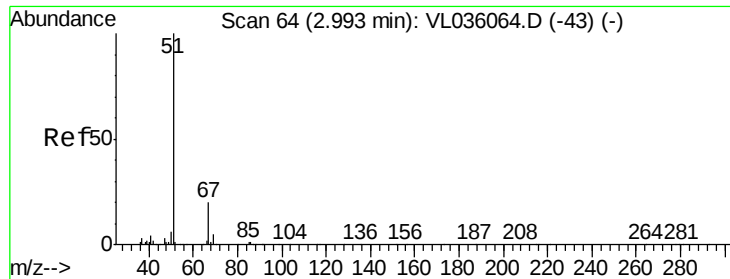
87 46.7 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.093 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.03 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

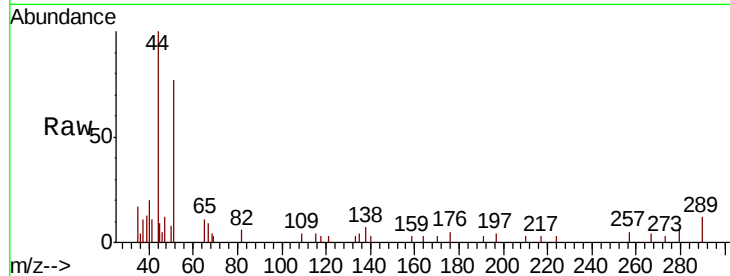
SSSG1

Tot Ion: 51 Resp: 13160

Ion Ratio Lower Upper

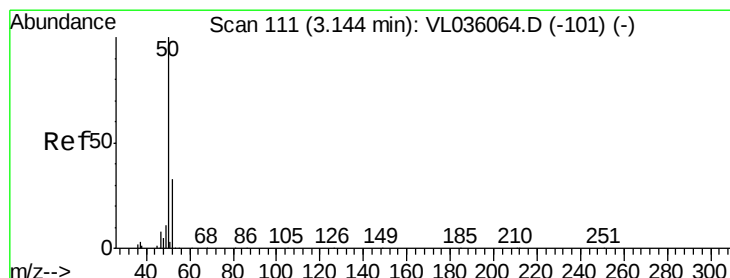
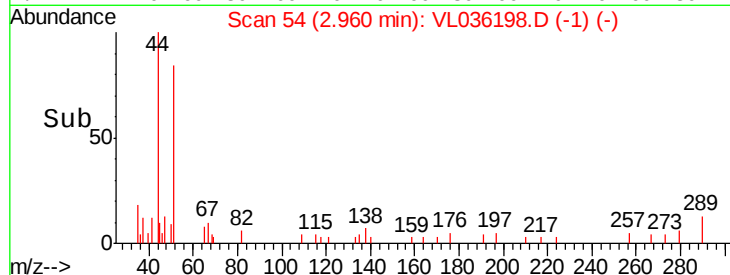
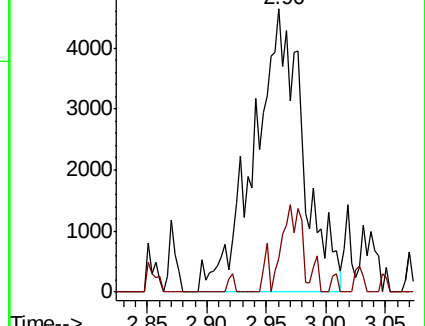
51 100

67 16.1 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL036198.D

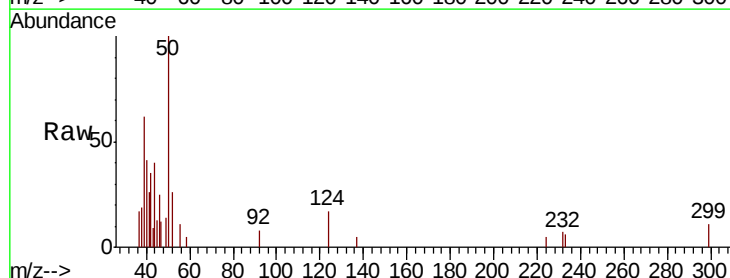
Acq: 23 Dec 2020 18:49

Tgt Ion: 50 Resp: 2748

Ion Ratio Lower Upper

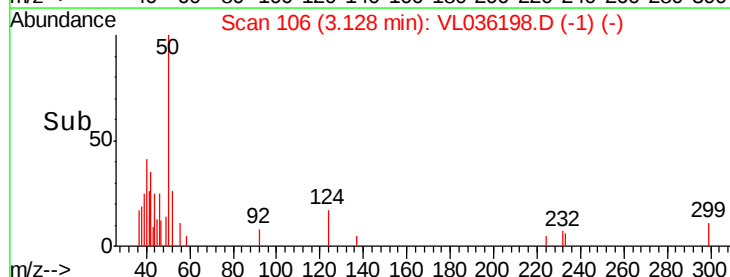
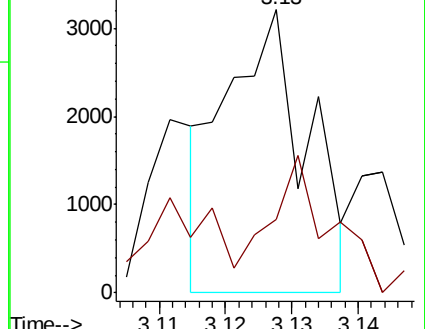
50 100

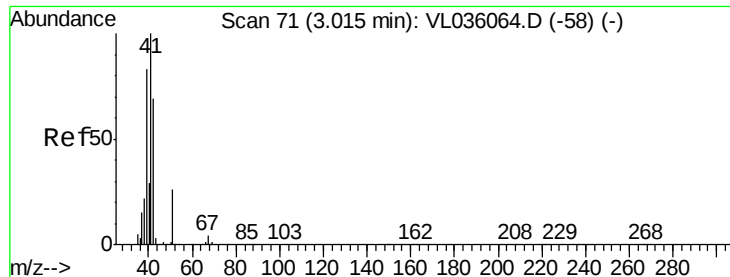
52 8.3 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.091 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.03 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

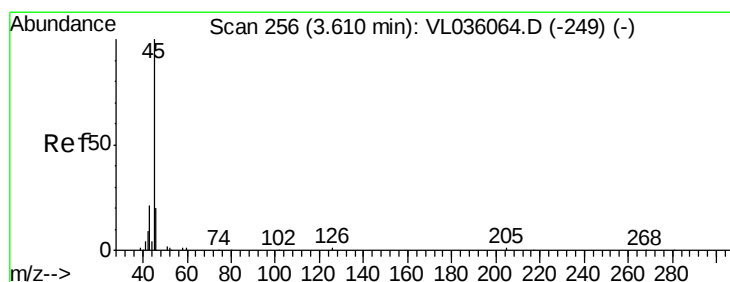
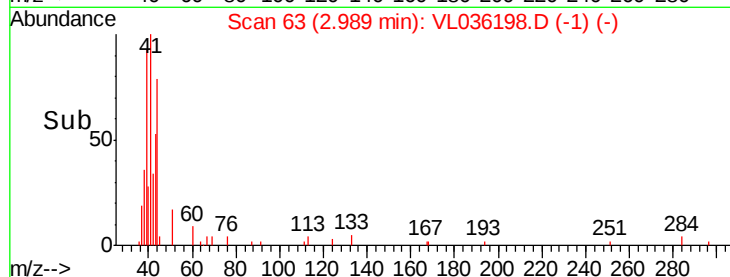
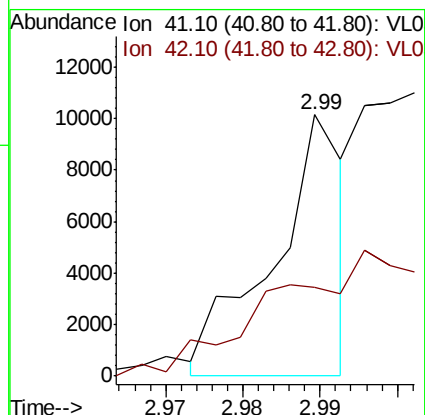
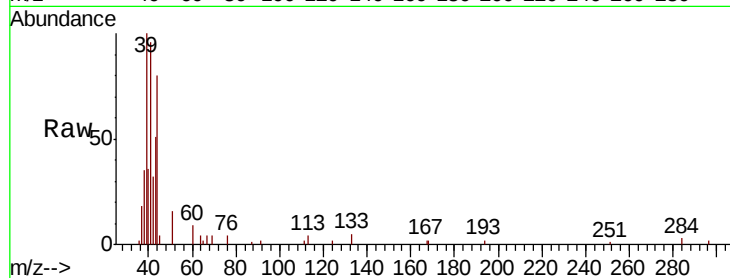
SSSG1

Tot Ion: 41 Resp: 6448

Ion Ratio Lower Upper

41 100

42 168.1 57.0 85.6#



#13

Ethanol

Concen: 3.071 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036198.D

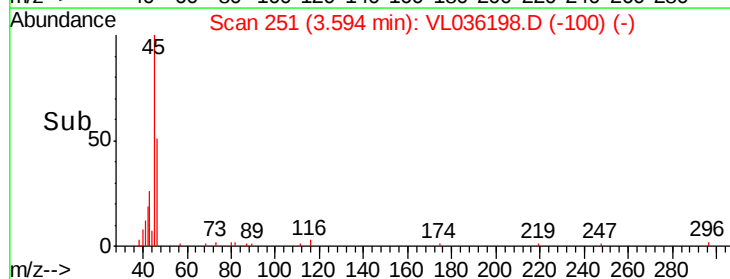
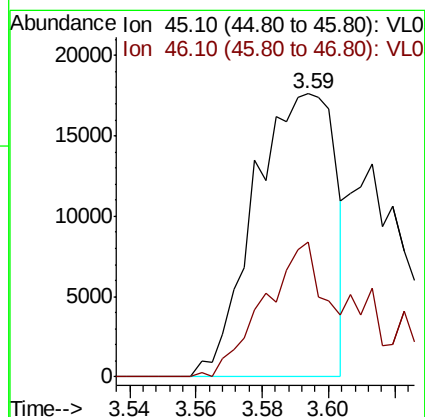
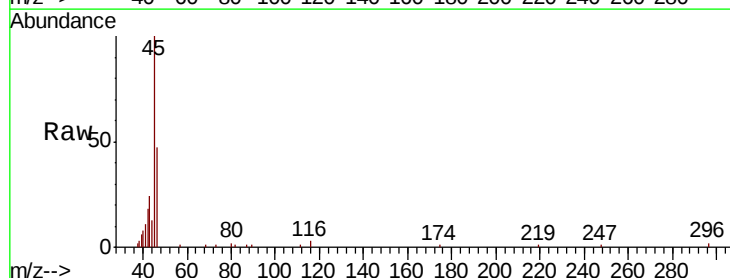
Acq: 23 Dec 2020 18:49

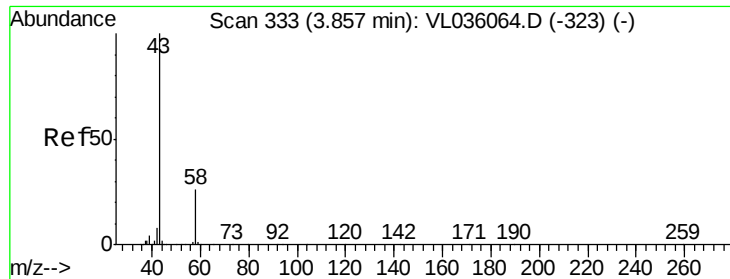
Tgt Ion: 45 Resp: 29858

Ion Ratio Lower Upper

45 100

46 67.3 19.0 75.8





#15

Acetone

Concen: 0.245 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

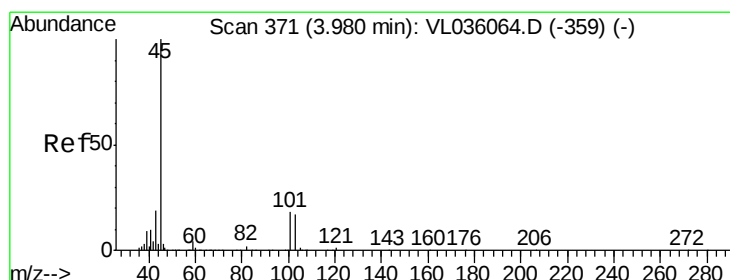
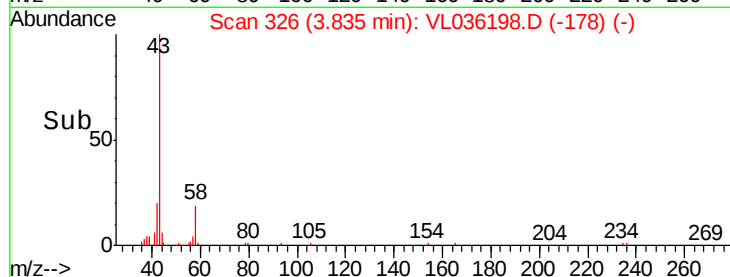
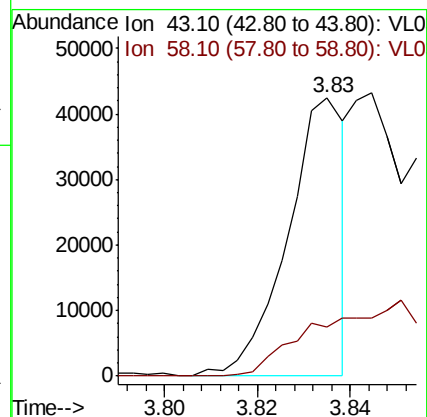
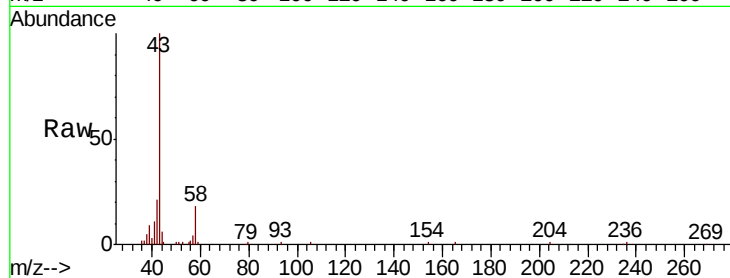
SSSG1

Tot Ion: 43 Resp: 36295

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#



#19

Isopropyl Alcohol

Concen: 0.234 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.02 min

Lab File: VL036198.D

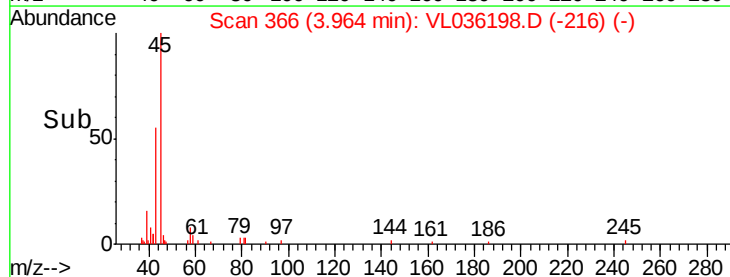
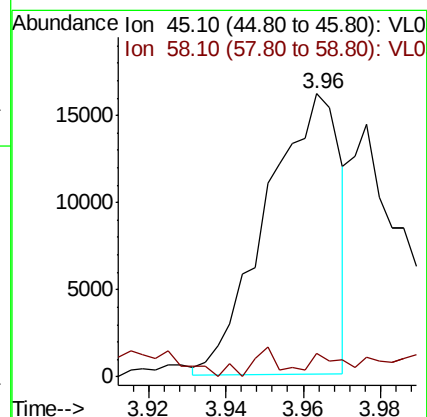
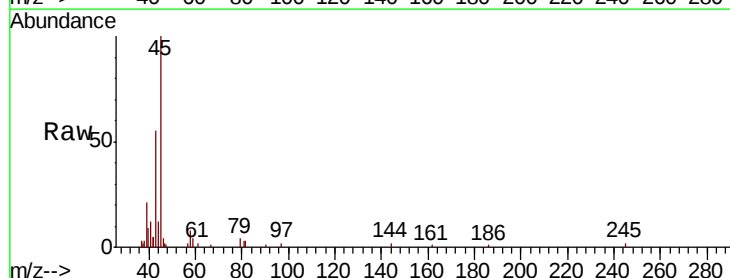
Acq: 23 Dec 2020 18:49

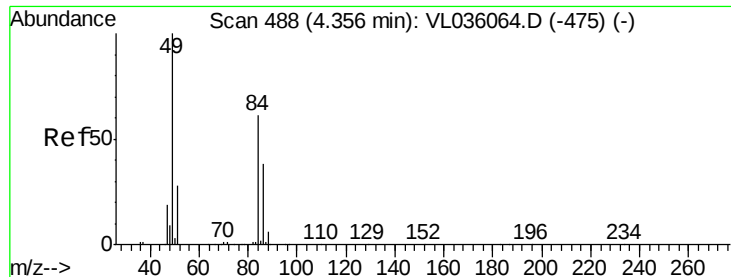
Tgt Ion: 45 Resp: 21245

Ion Ratio Lower Upper

45 100

58 16.1 0.0 0.0#





#20

Methylene Chloride

Concen: 0.321 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.04 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

MSVOA_L

ClientSampleId :

SSSG1

Tot Ion: 84 Resp: 19535

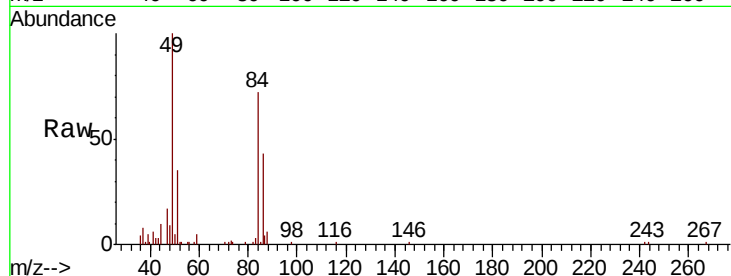
Ion Ratio Lower Upper

84 100

49 137.2 133.0 199.4

51 45.4 38.9 58.3

86 59.2 48.8 73.2



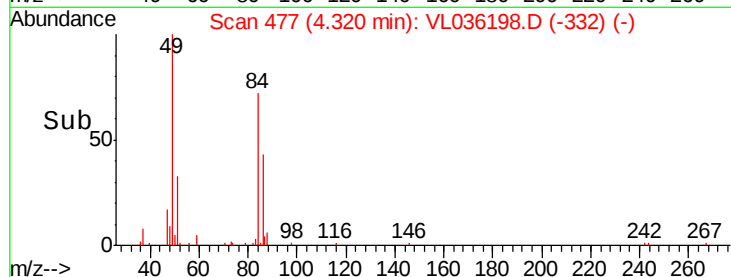
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

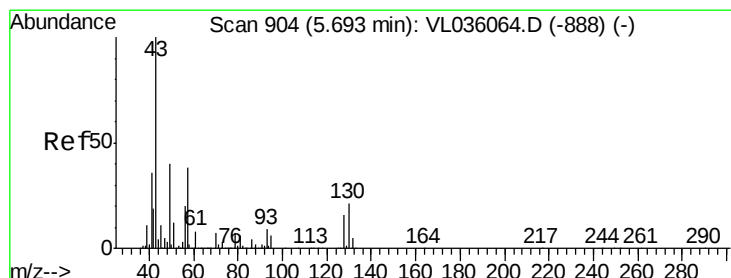
Ion 86.00 (85.70 to 86.70): VL0

Time-->



Abundance

Time-->



#25

Ethyl Acetate

Concen: 0.032 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.04 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Tgt Ion: 43 Resp: 9423

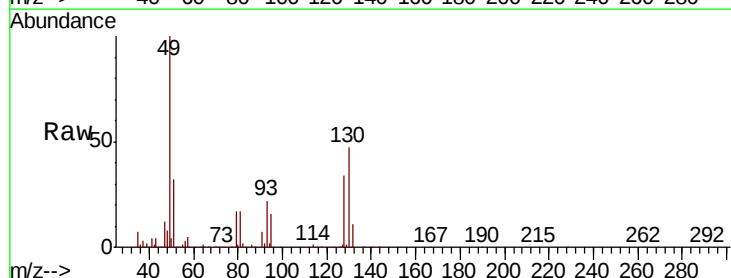
Ion Ratio Lower Upper

43 100

45 0.0 8.2 12.4#

61 0.0 7.4 11.2#

70 0.0 5.4 8.0#



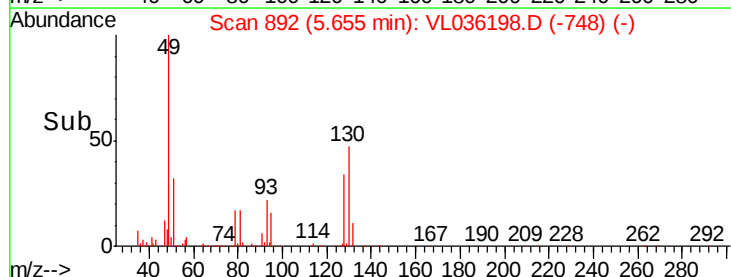
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

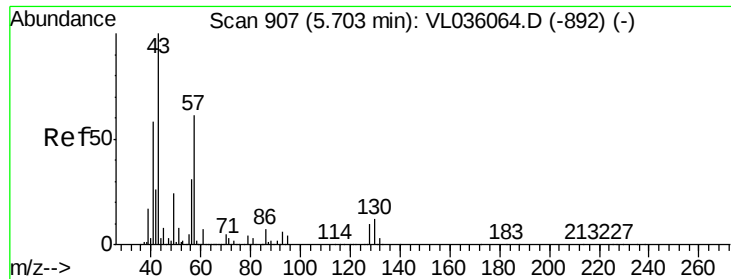
Ion 70.10 (69.80 to 70.80): VL0

Time-->



Abundance

Time-->



#26

Hexane

Concen: 0.137 ppbv

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

ClientSampleId :

SSSG1

Tot Ion: 57 Resp: 18249

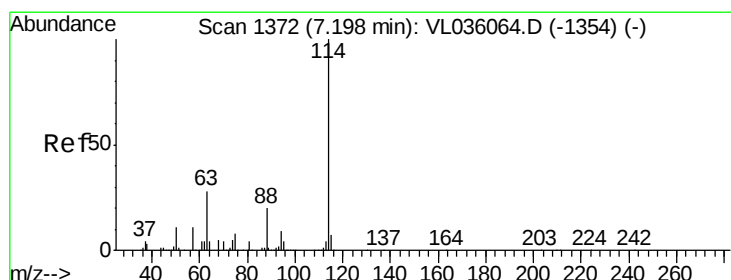
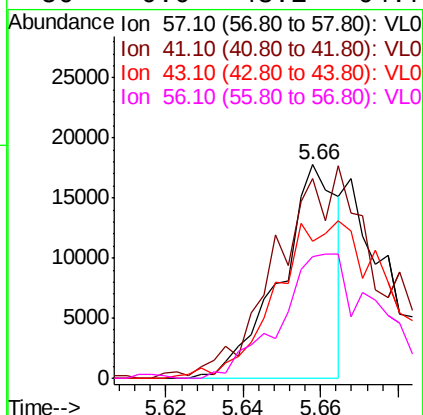
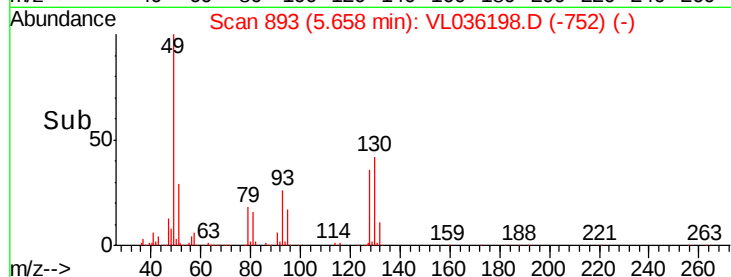
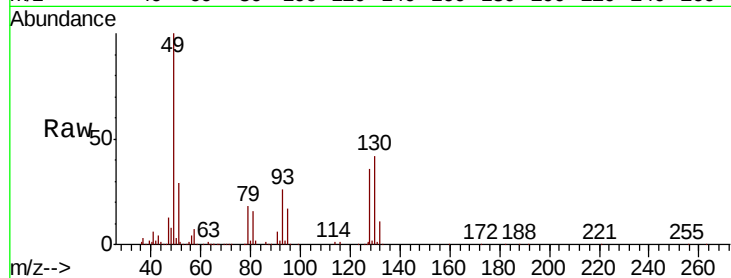
Ion Ratio Lower Upper

57 100

41 0.0 82.9 124.3#

43 0.0 199.9 299.9#

56 0.0 43.1 64.7#



#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

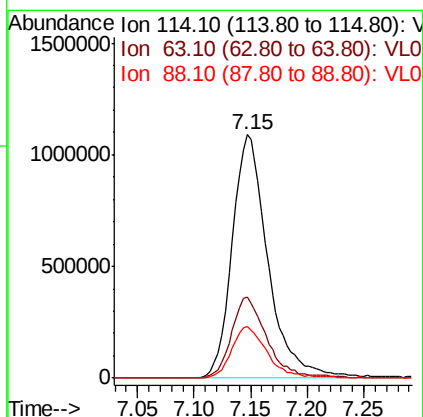
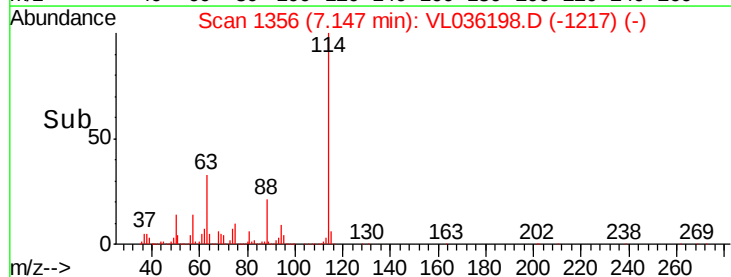
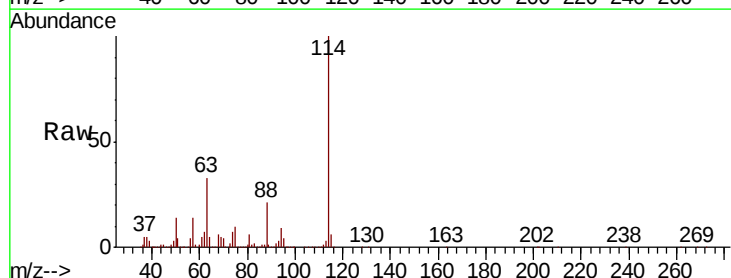
Tgt Ion: 114 Resp: 2384801

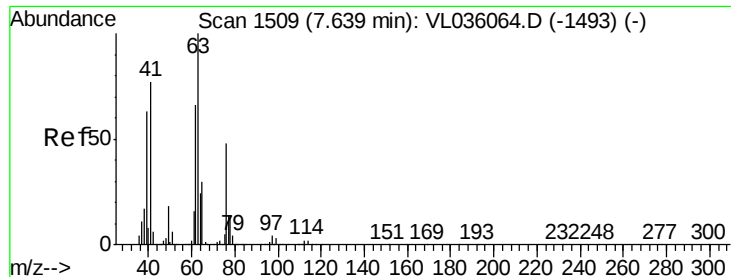
Ion Ratio Lower Upper

114 100

63 33.4 23.6 35.4

88 21.0 15.8 23.6





#39

1,2-Dichloropropane

Concen: 9.582 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.49 min

Lab File: VL036198.D

Acq: 23 Dec 2020 18:49

Instrument :

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ClientSampleId :

SSSG1

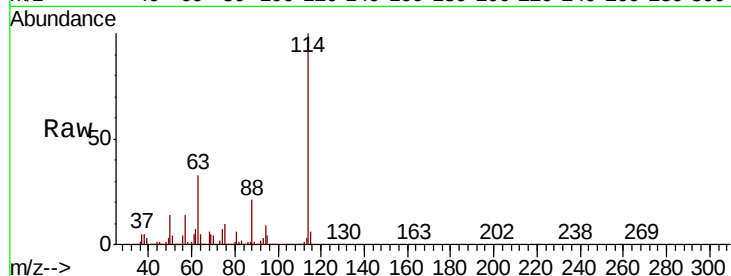
Tot Ion: 63 Resp: 764785

Ion Ratio Lower Upper

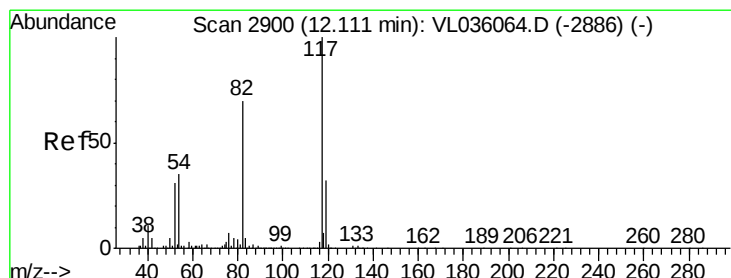
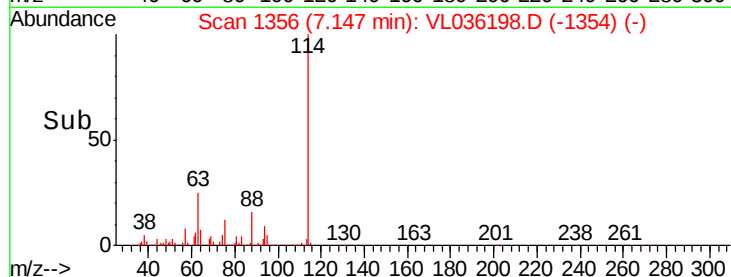
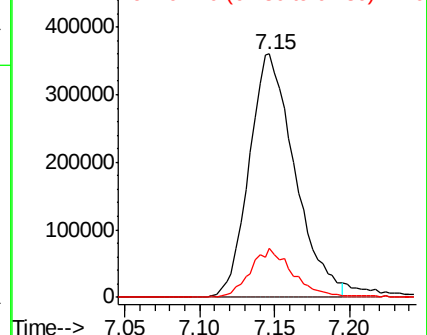
63 100

41 0.0 61.9 92.9#

62 20.2 52.5 78.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#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

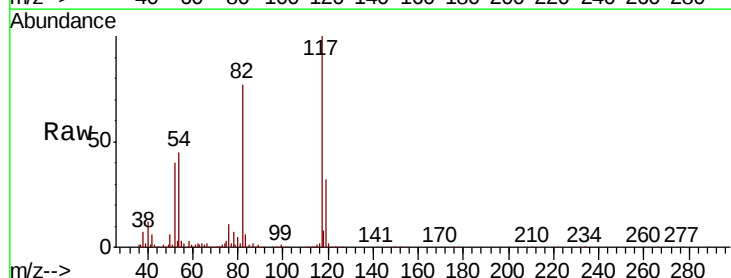
Tgt Ion: 117 Resp: 2127998

Ion Ratio Lower Upper

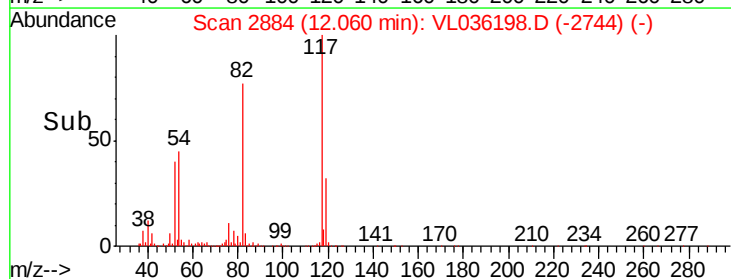
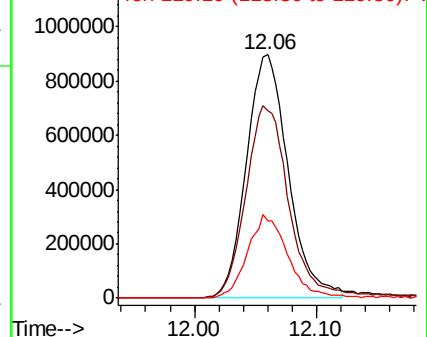
117 100

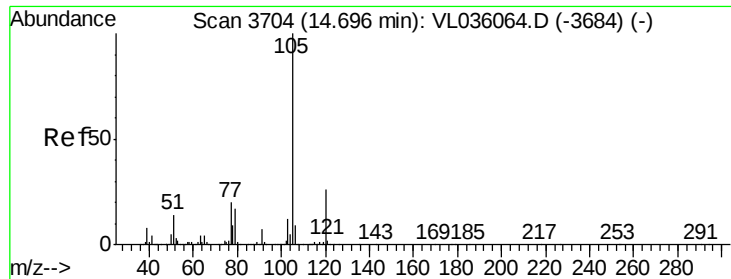
82 82.8 0.0 0.0#

119 33.1 0.0 0.0#



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





#62

Isopropylbenzene

Concen: 0.393 ppbv

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 :

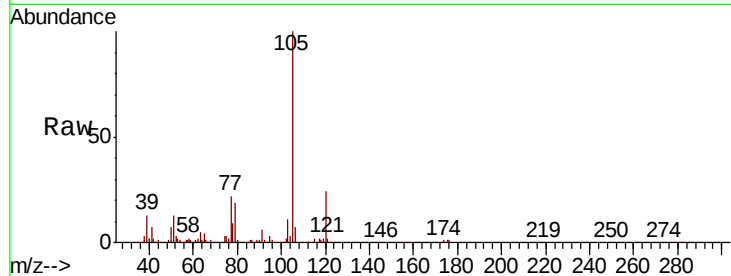
SSSG1

Tot Ion:105 Resp: 134744

Ion Ratio Lower Upper

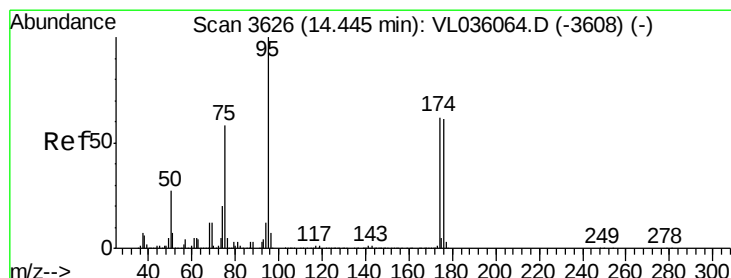
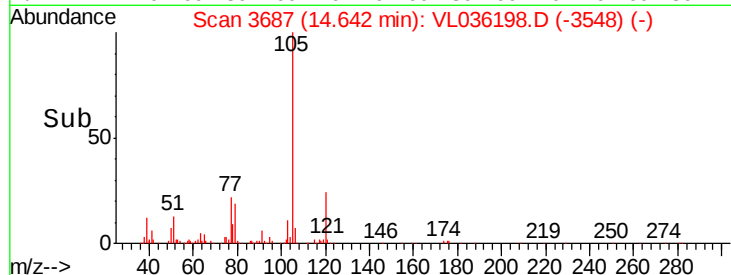
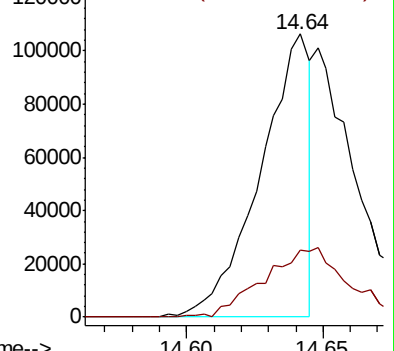
105 100

120 0.0 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#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

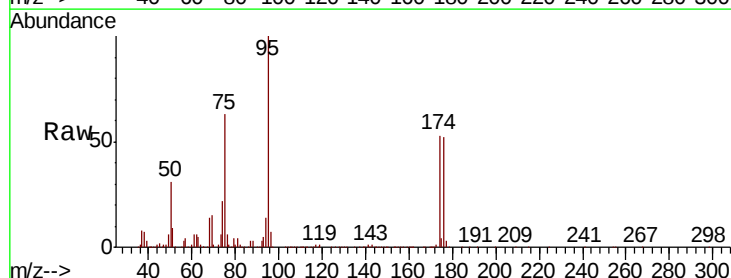
Tgt Ion: 95 Resp: 1839064

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

