

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037667.D
 Acq On : 23 Sep 2021 17:53
 Operator : SY/AP
 Sample : CAN 10597
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:36:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1529550	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4520730	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3780919	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2742801	10.04	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

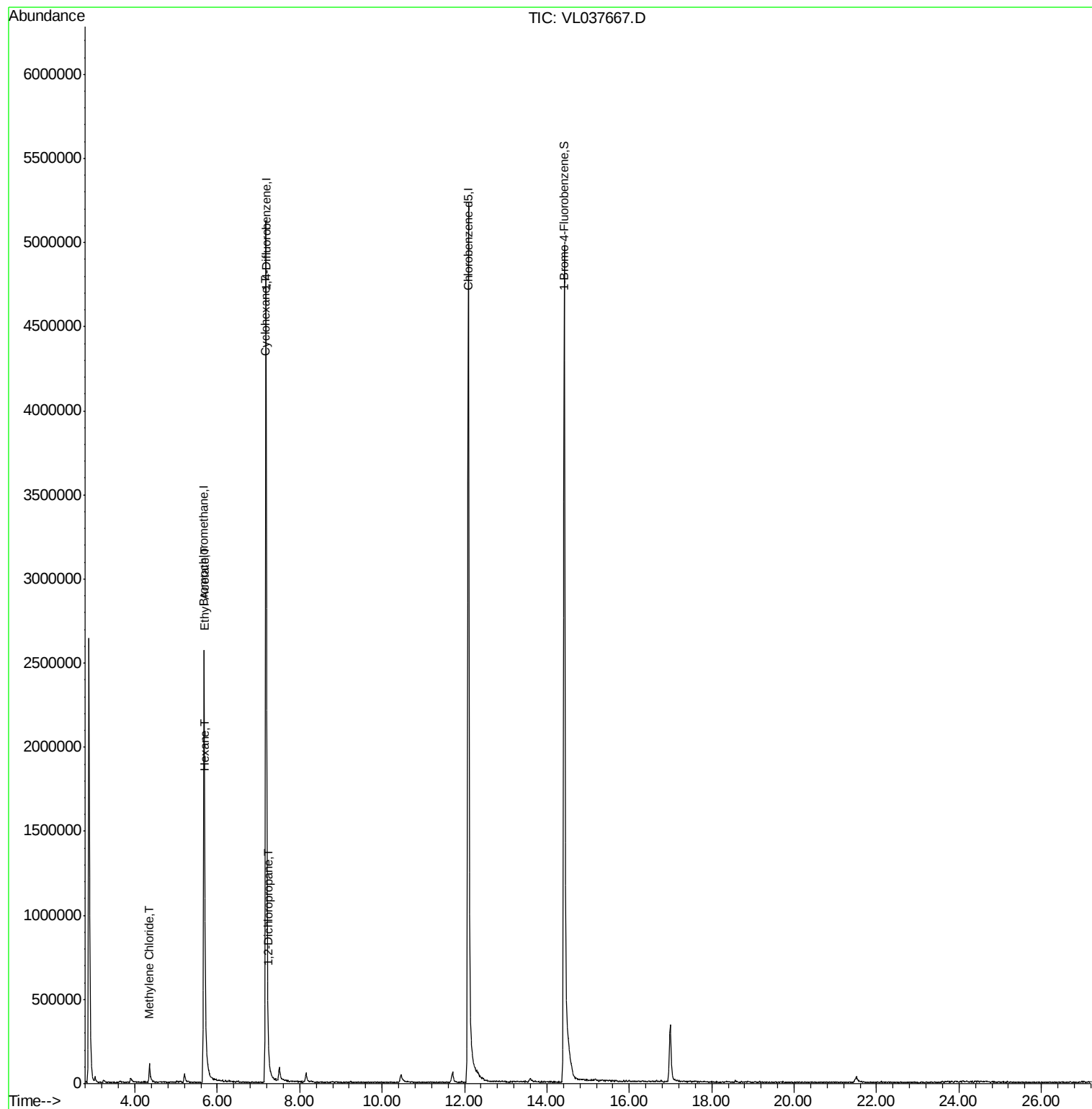
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	38043	0.501	ppbv	95
25) Ethyl Acetate	5.69	43	12220	0.032	ppbv #	75
26) Hexane	5.70	57	13205	0.072	ppbv #	1
30) Cyclohexane	7.16	84	9042	0.058	ppbv #	1
39) 1,2-Dichloropropane	7.24	63	15496	0.107	ppbv #	30

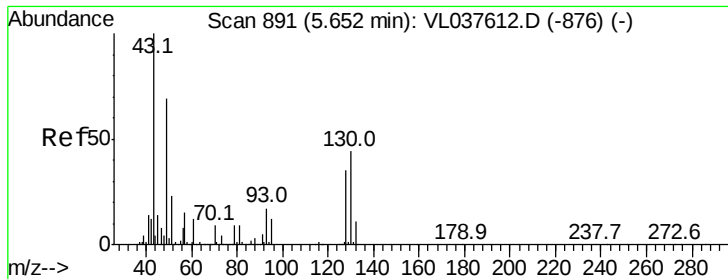
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Instrument :
MSVOA_L
ClientSampled :

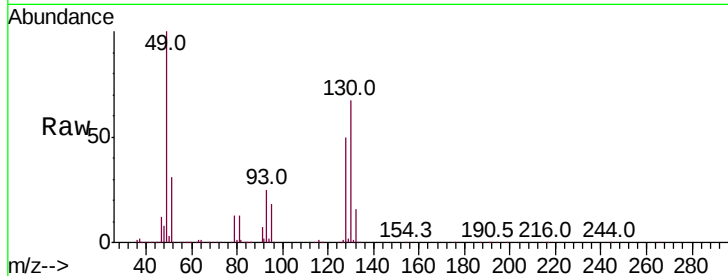
Tot Ion: 49 Resp: 1529550

Ion Ratio Lower Upper

49 100

128 53.9 27.9 83.6

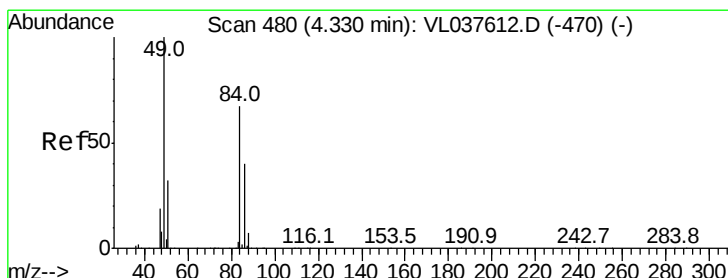
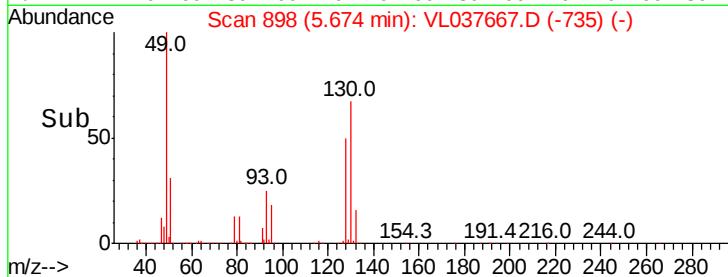
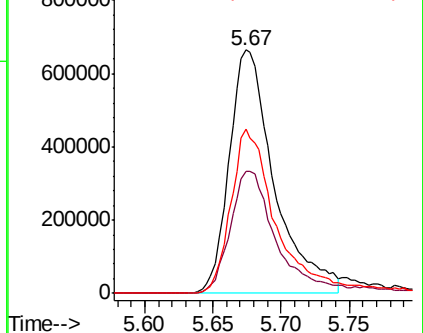
130 70.2 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#20

Methylene Chloride

Concen: 0.501 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Tgt Ion: 84 Resp: 38043

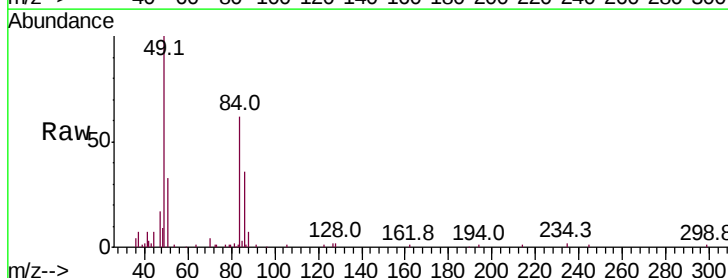
Ion Ratio Lower Upper

84 100

49 144.7 120.0 180.0

51 47.9 38.0 57.0

86 53.2 48.2 72.2

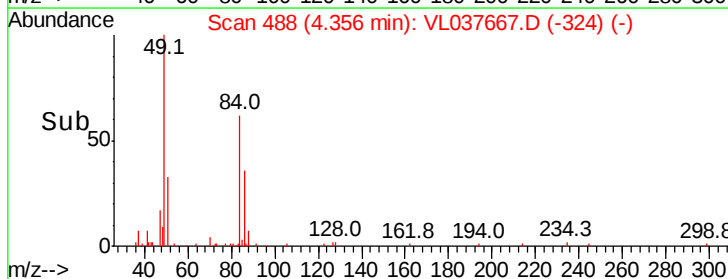
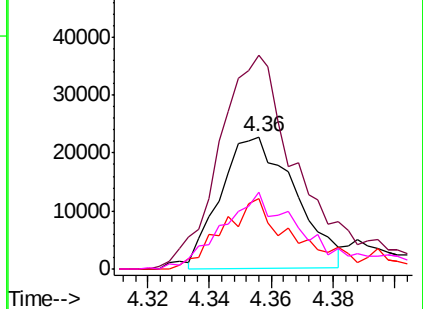


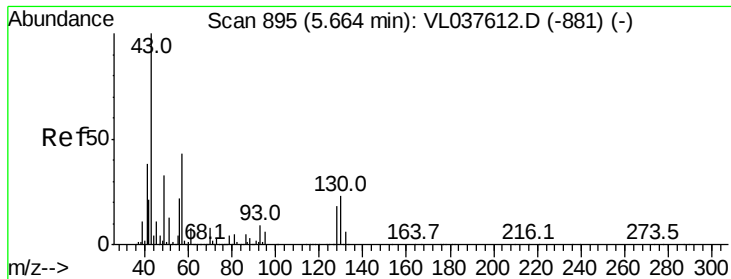
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#25

Ethyl Acetate

Concen: 0.032 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 12220

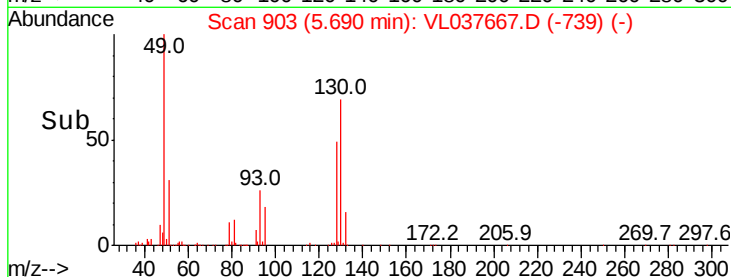
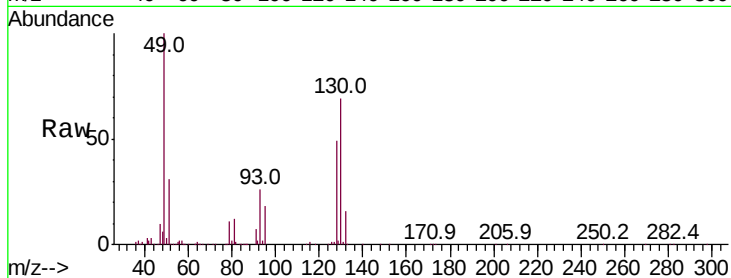
Ion Ratio Lower Upper

43 100

45 0.0 8.0 12.0#

61 0.0 7.5 11.3#

70 0.0 5.6 8.4#

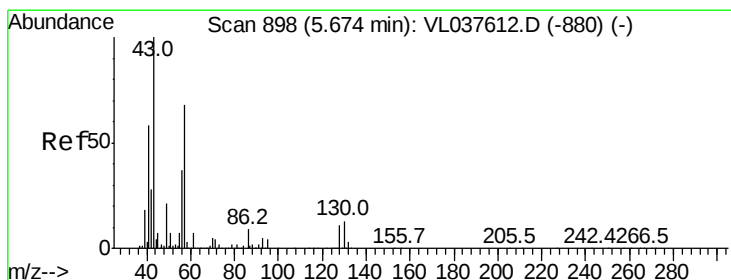
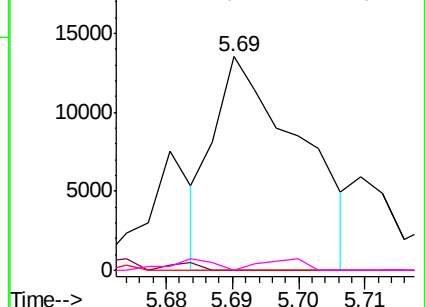


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#26

Hexane

Concen: 0.072 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.03 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Tgt Ion: 57 Resp: 13205

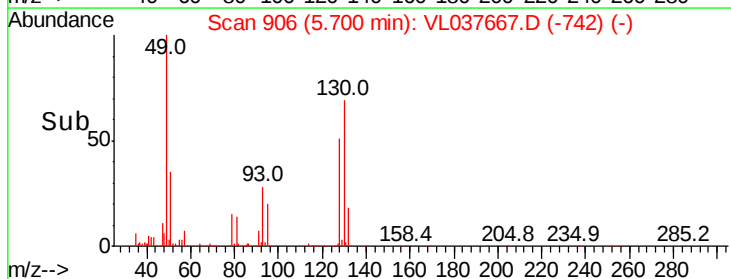
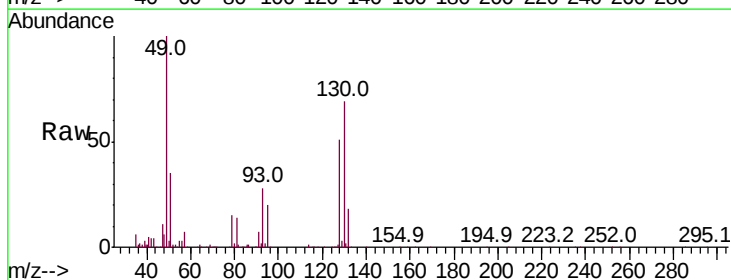
Ion Ratio Lower Upper

57 100

41 223.3 70.9 106.3#

43 0.0 170.4 255.6#

56 0.0 42.6 64.0#

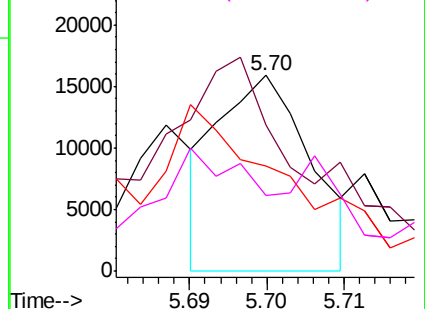


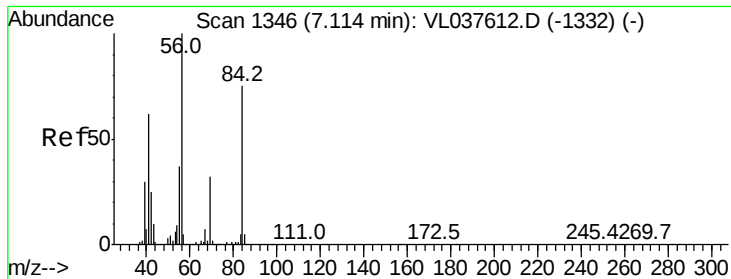
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

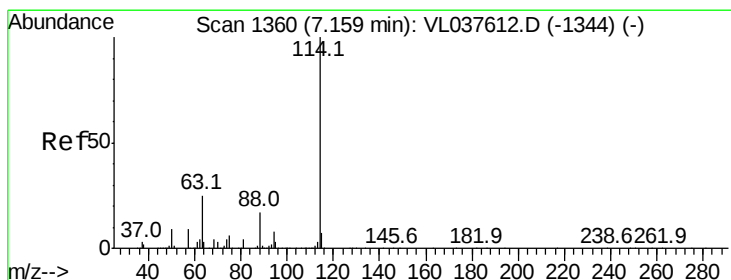
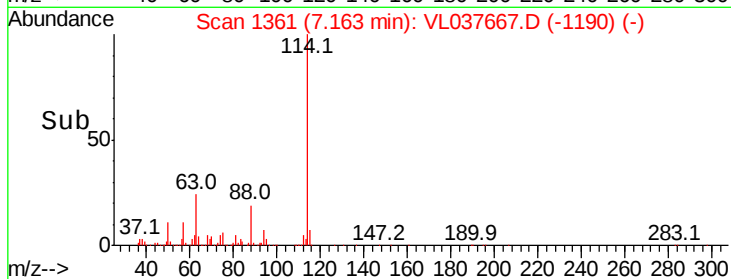
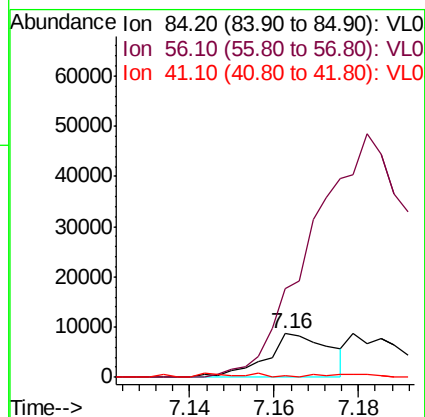
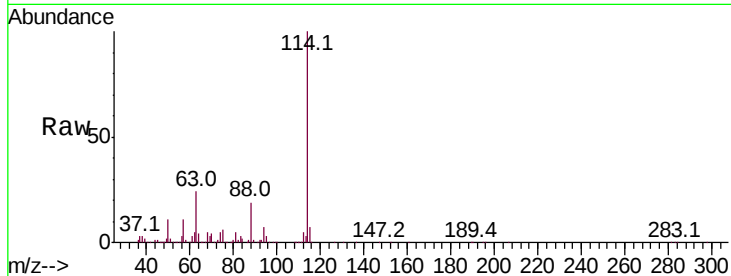




#30
Cvclohexane
Concen: 0.058 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.05 min
Lab File: VL037667.D
Acq: 23 Sep 2021 17:53

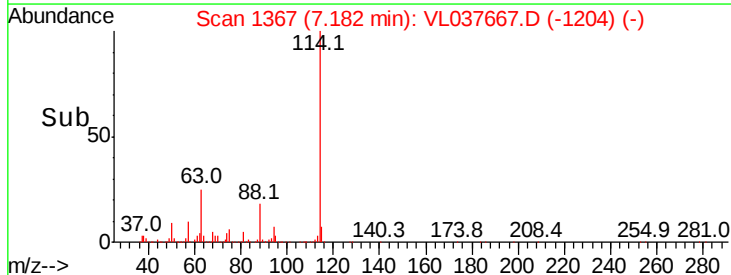
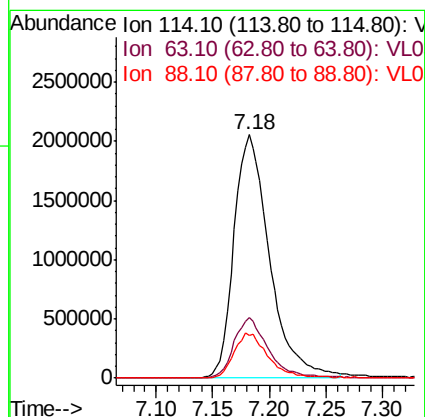
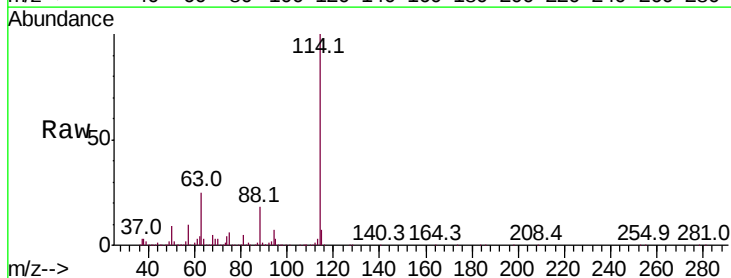
Instrument :
MSVOA_L
ClientSampleId :

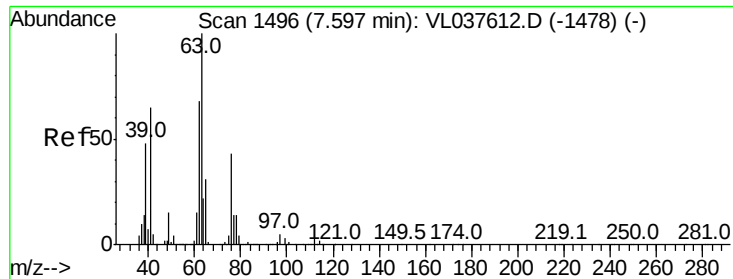
Tot Ion: 84 Resp: 9042
Ion Ratio Lower Upper
84 100
56 0.0 113.6 170.4#
41 0.0 67.9 101.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL037667.D
Acq: 23 Sep 2021 17:53

Tgt Ion: 114 Resp: 4520730
Ion Ratio Lower Upper
114 100
63 24.1 19.6 29.4
88 18.1 14.2 21.4





#39

1,2-Dichloropropane

Concen: 0.107 ppbv

RT: 7.24 min Scan# 1384

Delta R.T. -0.36 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Instrument :

MSVOA_L

ClientSampleId :

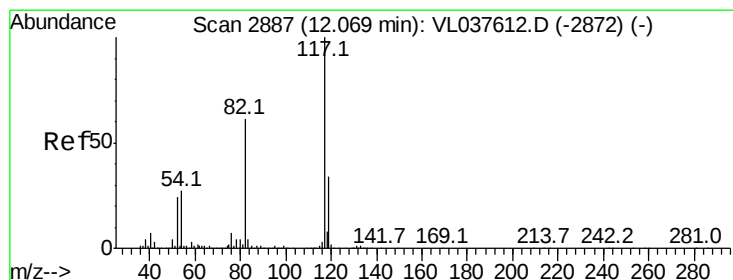
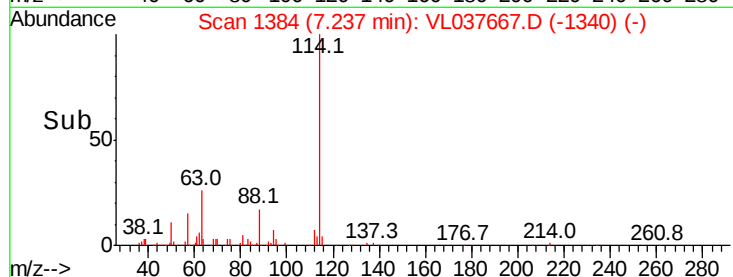
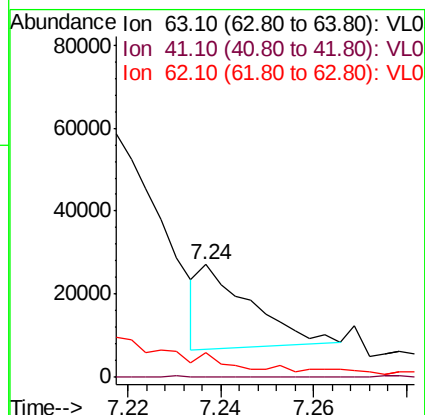
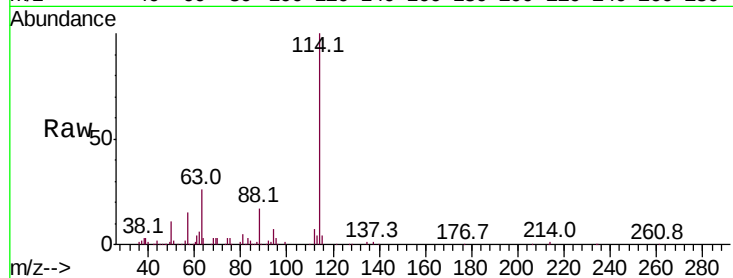
Tot Ion: 63 Resp: 15496

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 20.8 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.02 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

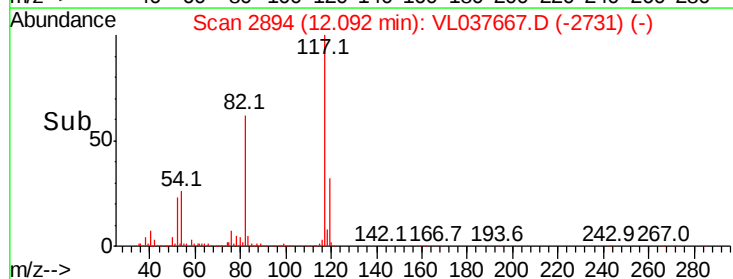
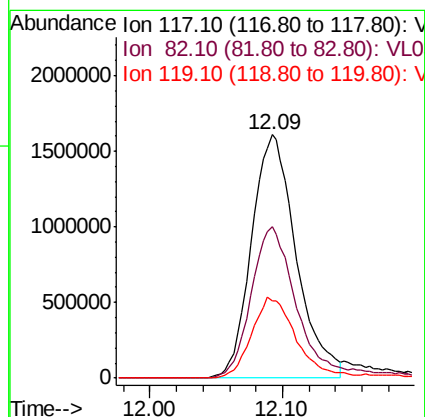
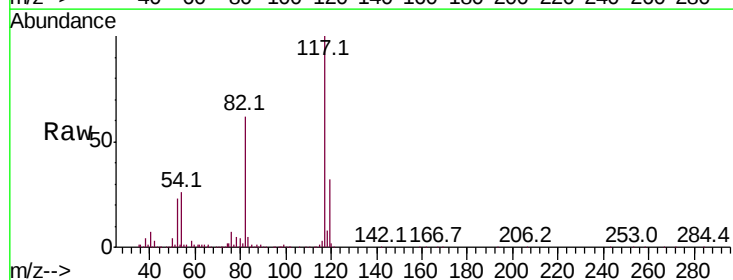
Tgt Ion: 117 Resp: 3780919

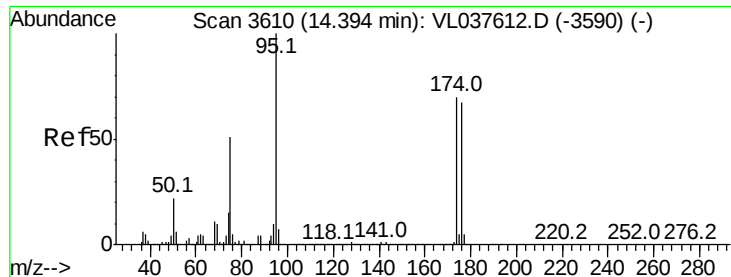
Ion Ratio Lower Upper

117 100

82 66.9 50.6 75.8

119 35.2 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.038 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037667.D

Acq: 23 Sep 2021 17:53

Instrument :

MSVOA_L

ClientSampleId :

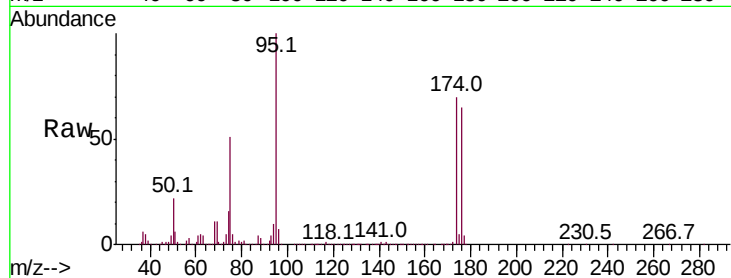
Tot Ion: 95 Resp: 2742801

Ion Ratio Lower Upper

95 100

174 77.1 56.3 84.5

175 5.6 4.4 6.6



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

