

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037733.D
 Acq On : 29 Sep 2021 16:42
 Operator : SY/AP
 Sample : M3948-04DL2 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Quant Time: Sep 29 22:49:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1189078	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3541290	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3042144	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2180828	9.92	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%	

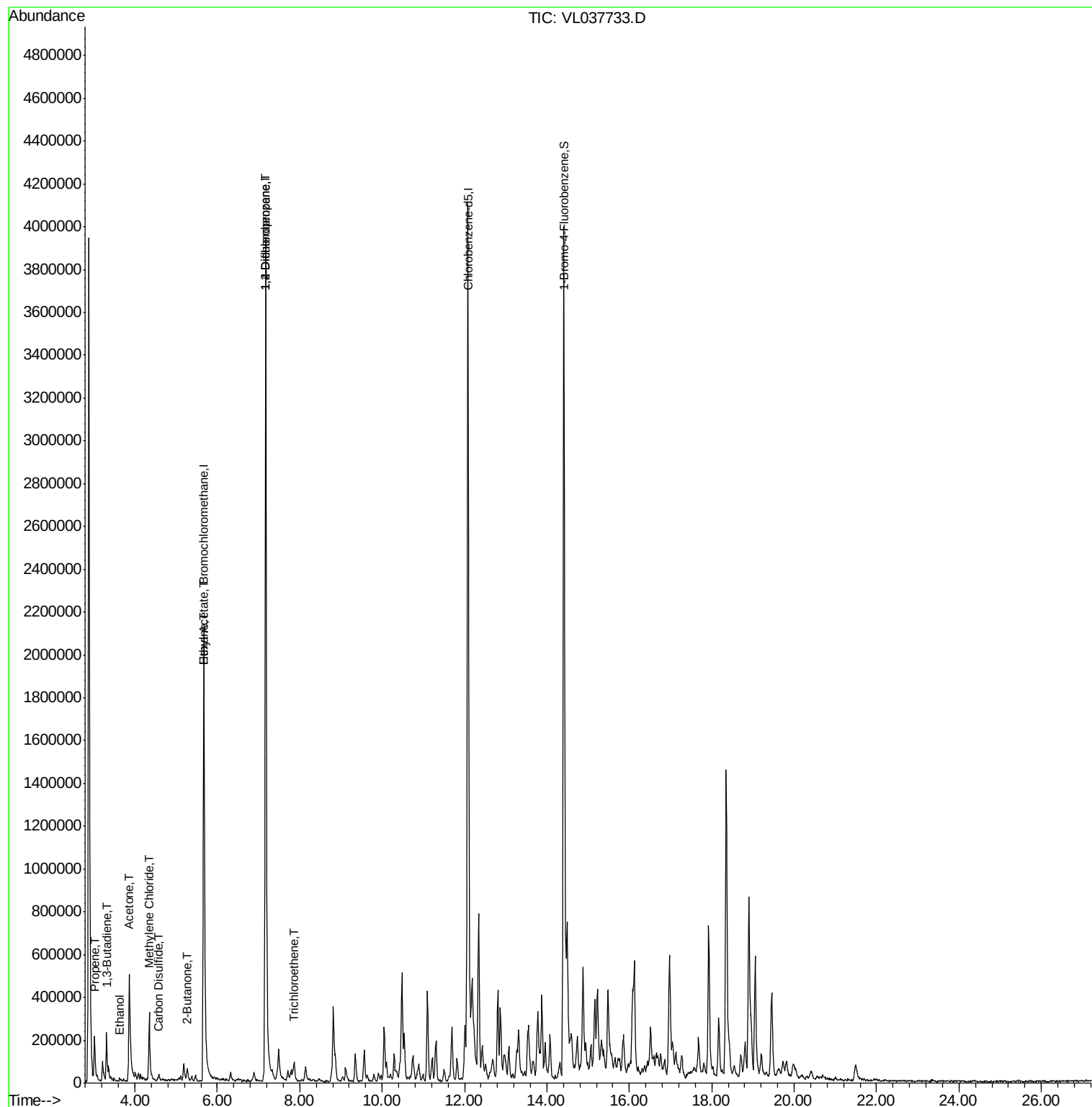
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	100161	1.266	ppbv	94
13) Ethanol	3.61	45	1339	0.173	ppbv #	33
15) Acetone	3.86	43	824594	6.675	ppbv	97
16) 1,3-Butadiene	3.31	39	66825	0.866	ppbv #	26
20) Methylene Chloride	4.35	84	117928	1.999	ppbv	93
25) Ethyl Acetate	5.69	43	38492	0.129	ppbv #	80
26) Hexane	5.69	57	96183	0.677	ppbv #	43
27) Carbon Disulfide	4.56	76	4012	0.031	ppbv #	60
34) 2-Butanone	5.26	43	46435	0.323	ppbv #	53
38) Trichloroethene	7.84	130	5983	0.049	ppbv #	61
39) 1,2-Dichloropropane	7.18	63	818658	7.238	ppbv #	27

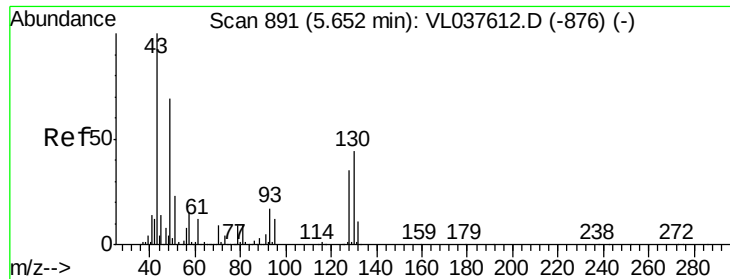
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 29 22:49:17 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

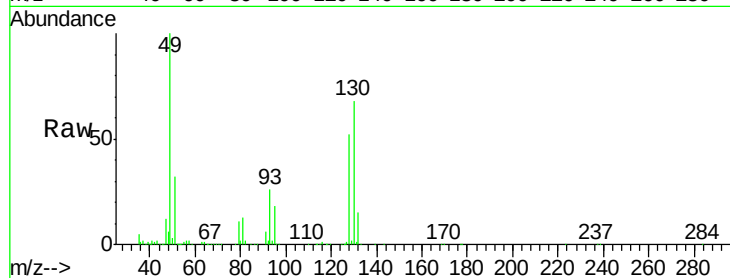
Tgt Ion: 49 Resp: 1189078

Ion Ratio Lower Upper

49 100

128 52.0 27.9 83.6

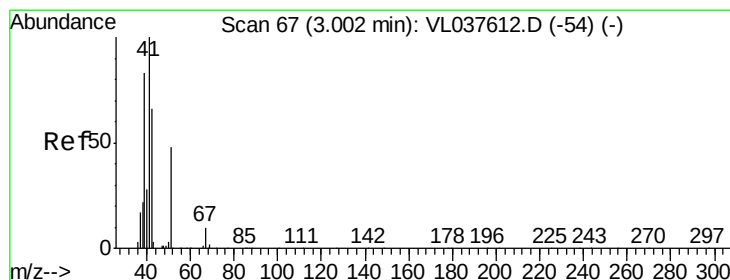
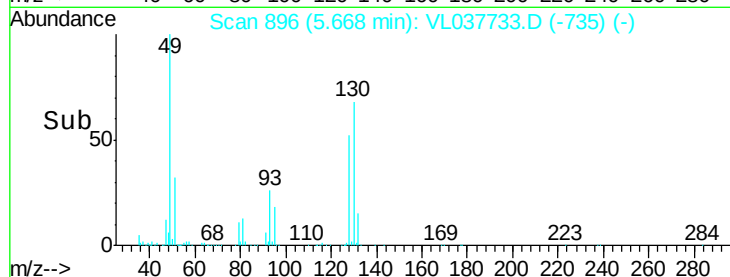
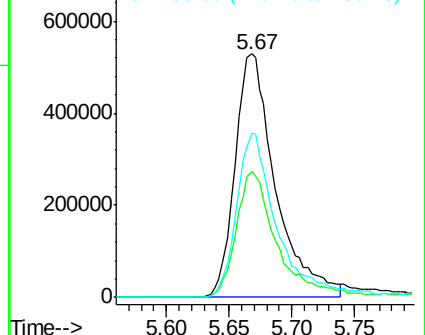
130 70.6 33.9 101.7



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: 1.266 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037733.D

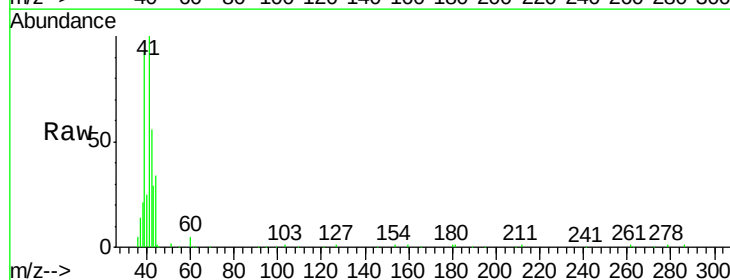
Acq: 29 Sep 2021 16:42

Tgt Ion: 41 Resp: 100161

Ion Ratio Lower Upper

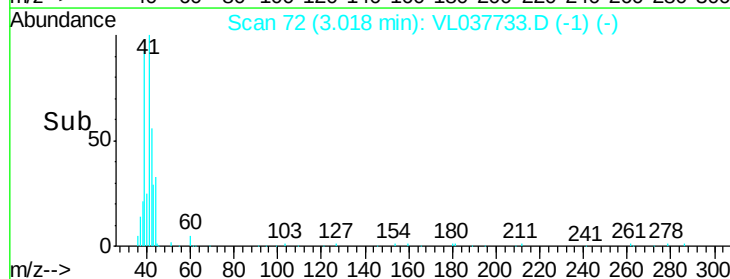
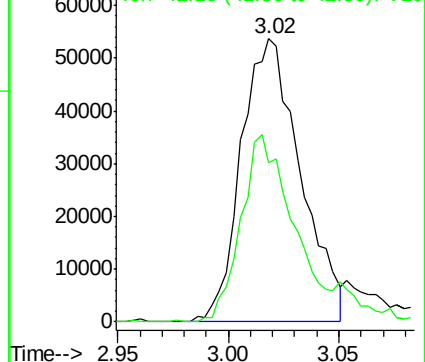
41 100

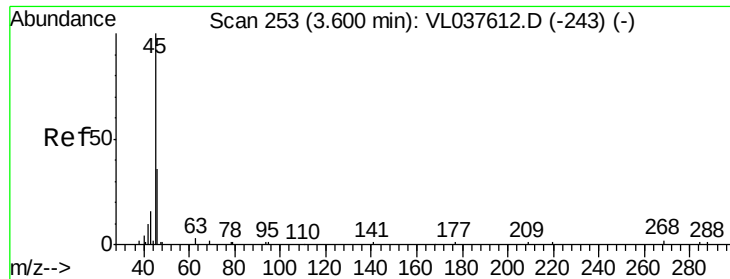
42 66.2 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

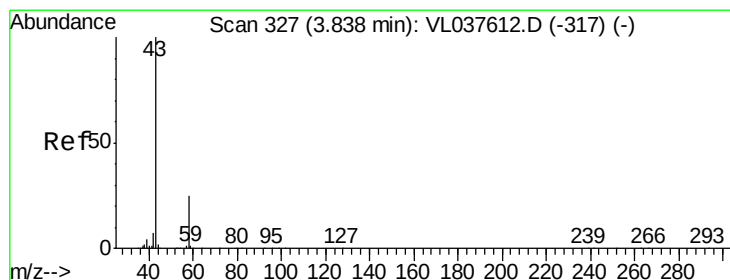
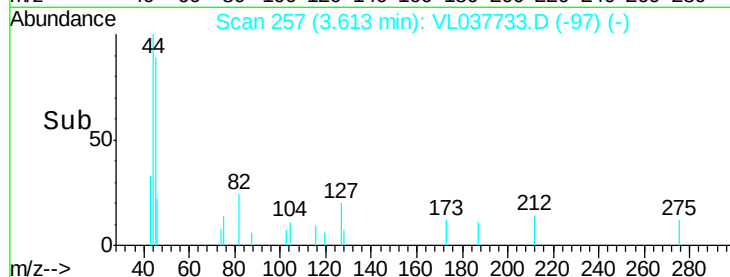
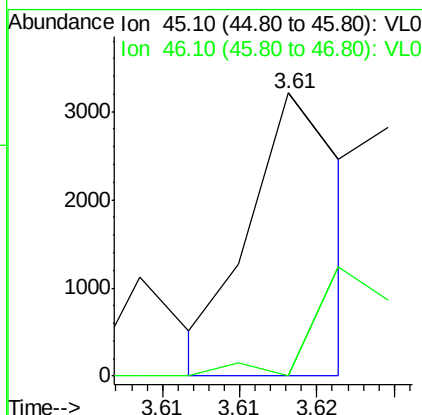
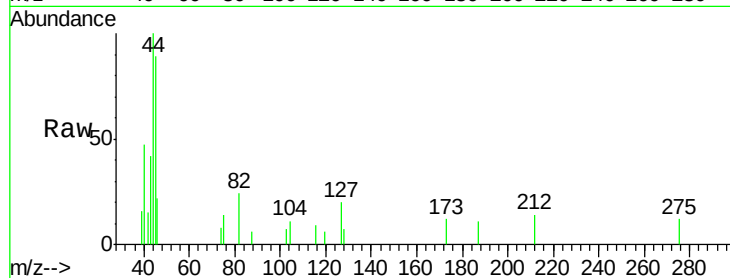




#13
Ethanol
Concen: 0.173 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037733.D
Acq: 29 Sep 2021 16:42

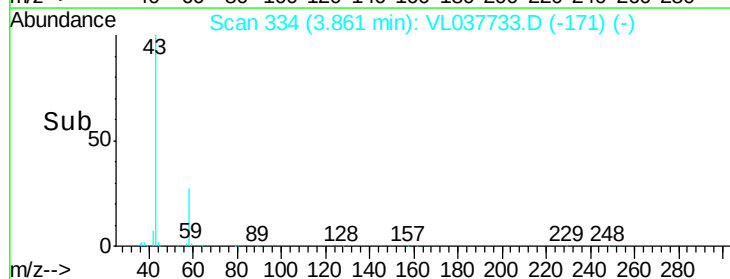
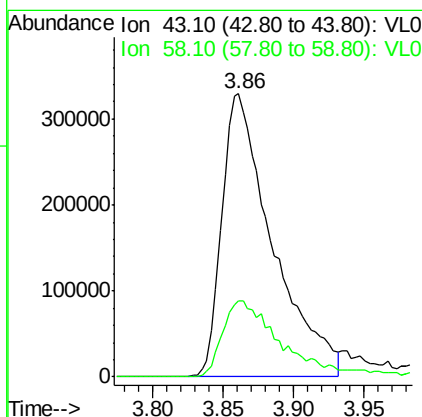
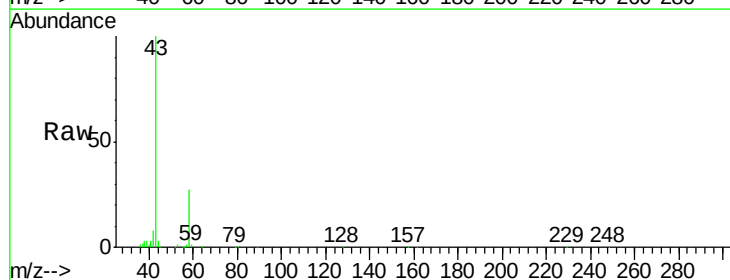
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

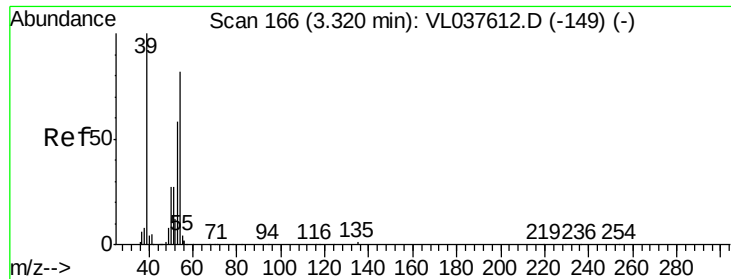
Tgt Ion: 45 Resp: 1339
Ion Ratio Lower Upper
45 100
46 0.0 17.2 68.8#



#15
Acetone
Concen: 6.675 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL037733.D
Acq: 29 Sep 2021 16:42

Tgt Ion: 43 Resp: 824594
Ion Ratio Lower Upper
43 100
58 32.6 24.9 37.3





#16

1,3-Butadiene

Concen: 0.866 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

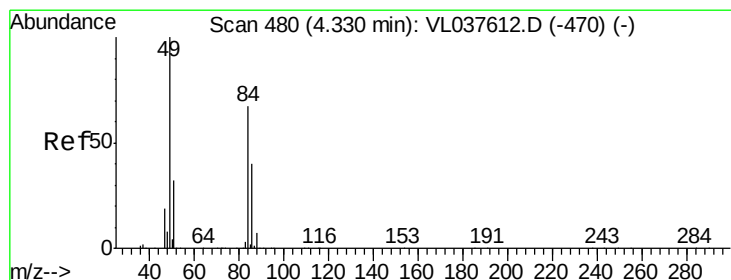
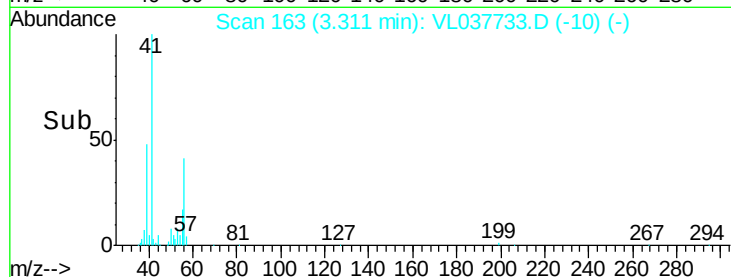
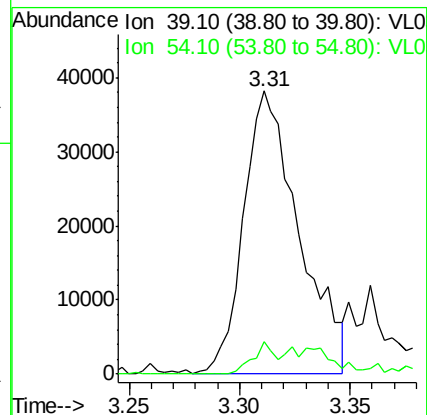
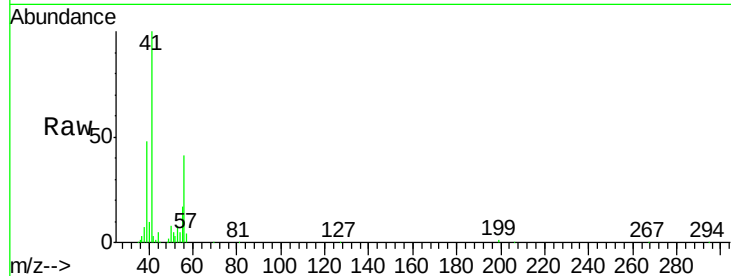
SV4DL2

Tgt Ion: 39 Resp: 66825

Ion Ratio Lower Upper

39 100

54 13.7 62.6 93.8#



#20

Methylene Chloride

Concen: 1.999 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Tgt Ion: 84 Resp: 117928

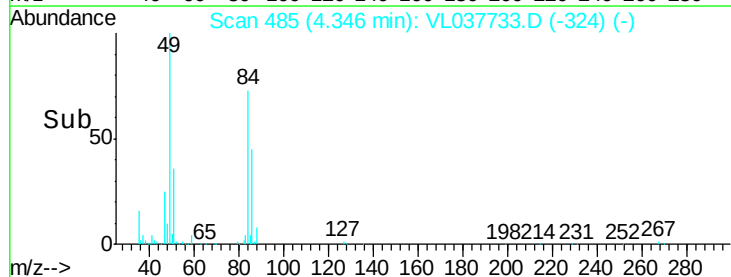
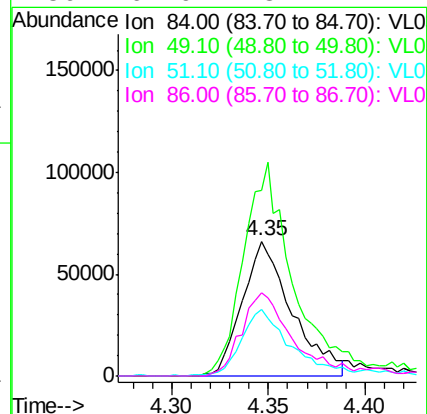
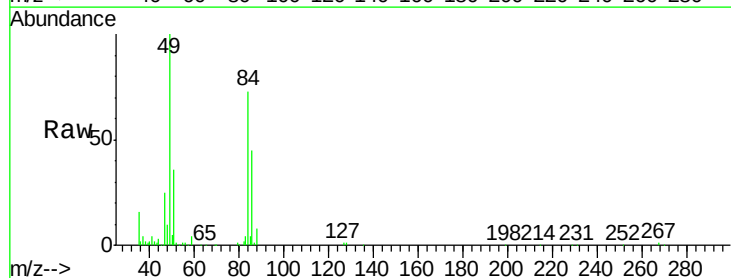
Ion Ratio Lower Upper

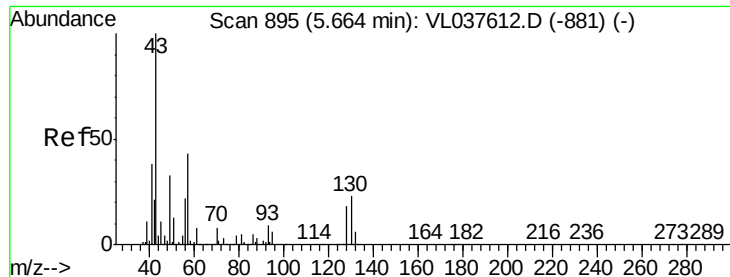
84 100

49 137.0 120.0 180.0

51 48.9 38.0 57.0

86 61.9 48.2 72.2





#25

Ethyl Acetate

Concen: 0.129 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tgt Ion: 43 Resp: 38492

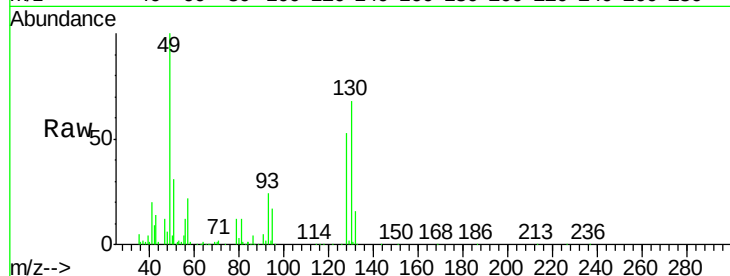
Ion Ratio Lower Upper

43 100

45 1.5 8.0 12.0#

61 0.0 7.5 11.3#

70 4.3 5.6 8.4#

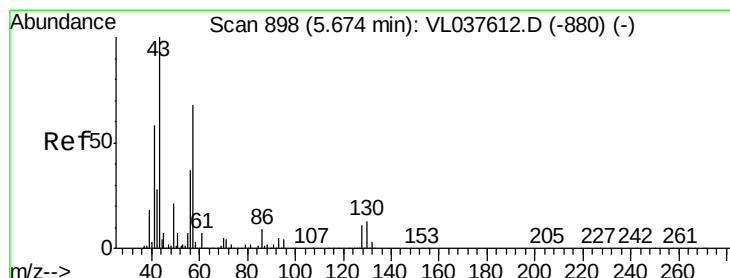
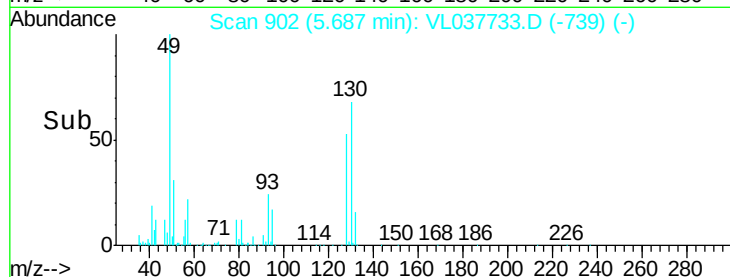
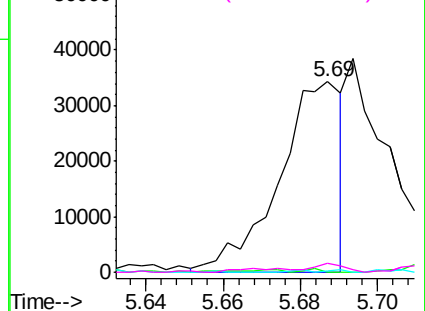


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.677 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Tgt Ion: 57 Resp: 96183

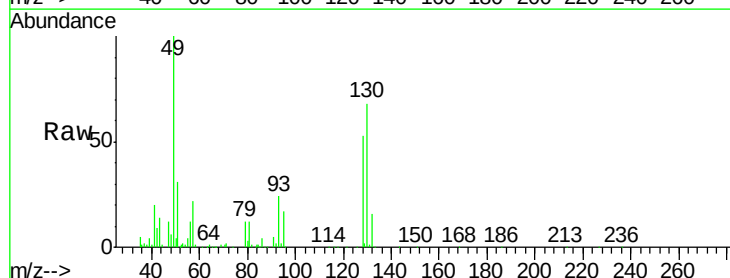
Ion Ratio Lower Upper

57 100

41 106.4 70.9 106.3#

43 80.8 170.4 255.6#

56 61.0 42.6 64.0

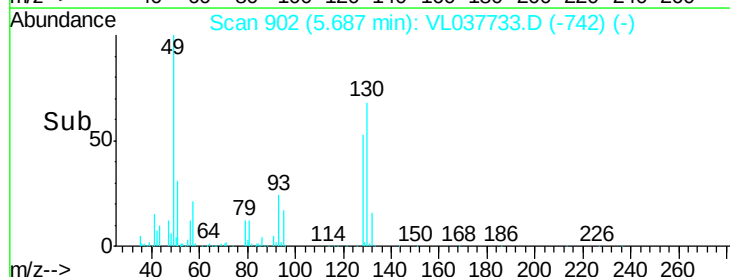
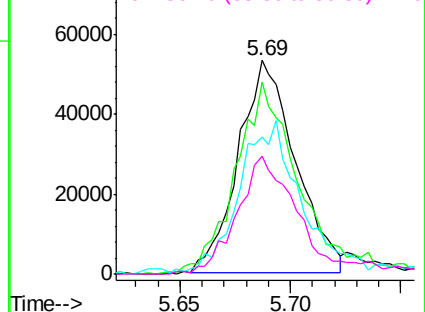


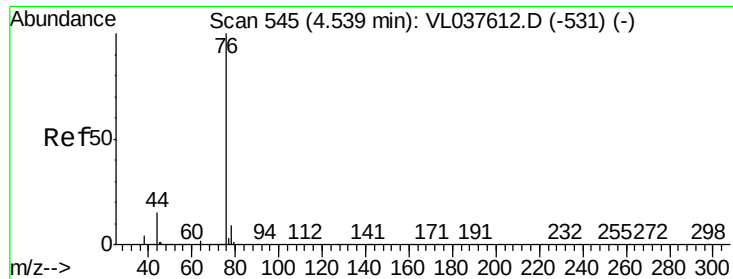
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.031 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

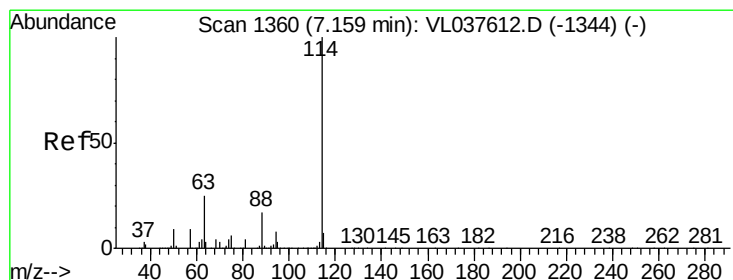
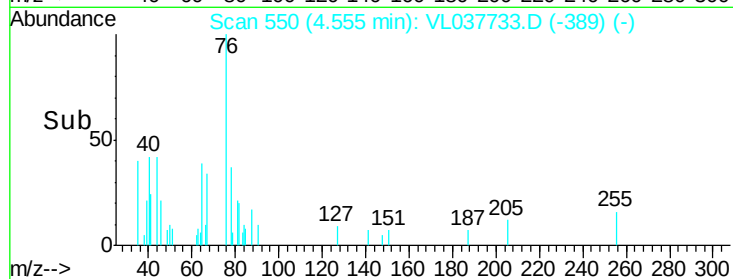
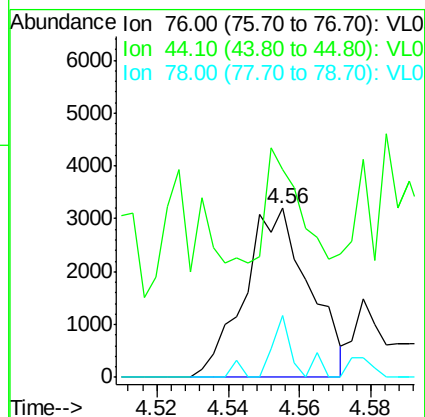
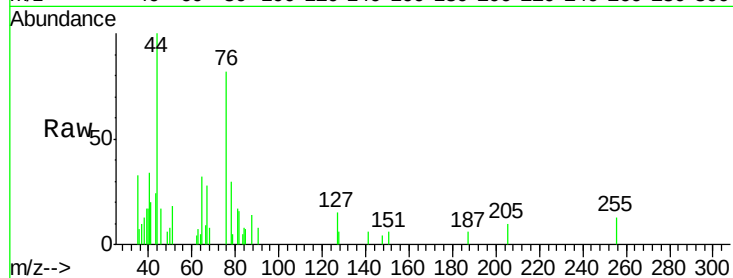
Tgt Ion: 76 Resp: 4012

Ion Ratio Lower Upper

76 100

44 41.6 14.2 21.2#

78 13.3 7.4 11.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

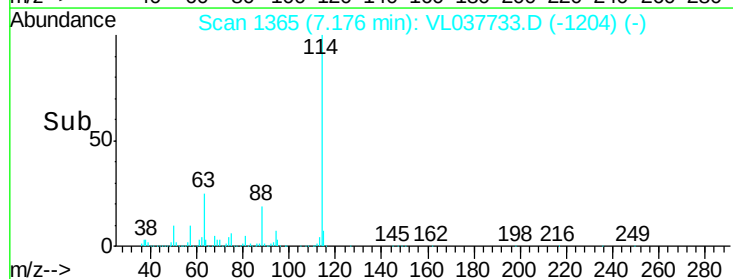
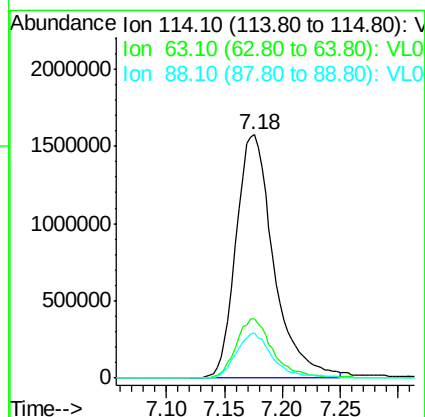
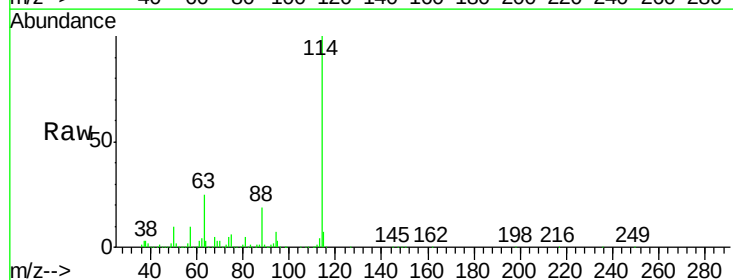
Tgt Ion: 114 Resp: 3541290

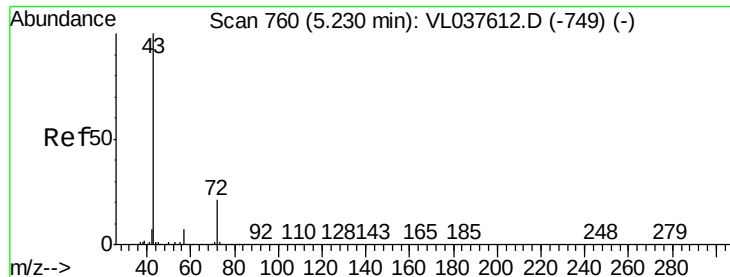
Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

88 18.0 14.2 21.4





#34

2-Butanone

Concen: 0.323 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.03 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

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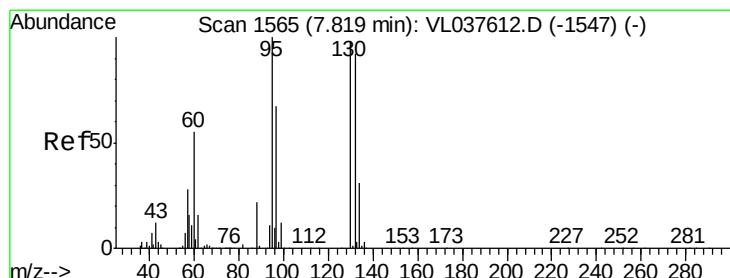
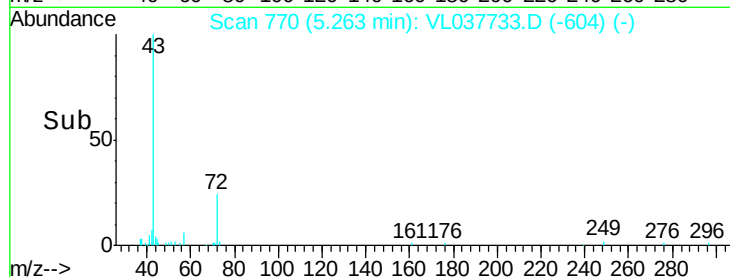
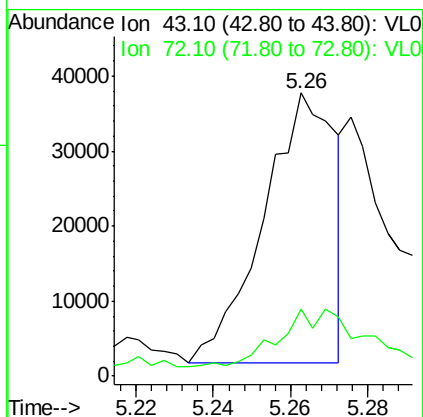
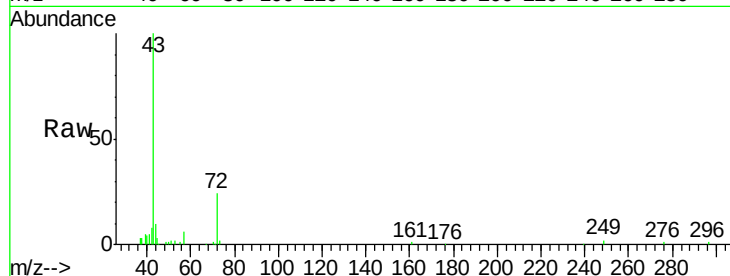
SV4DL2

Tgt Ion: 43 Resp: 46435

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#38

Trichloroethene

Concen: 0.049 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Tgt Ion: 130 Resp: 5983

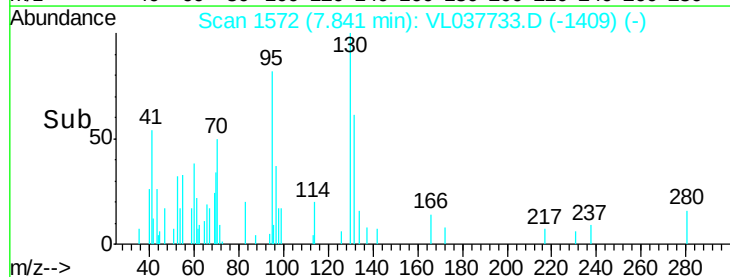
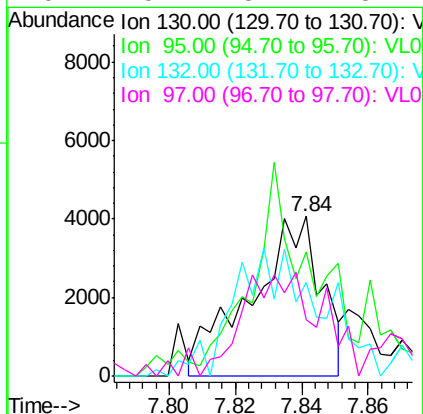
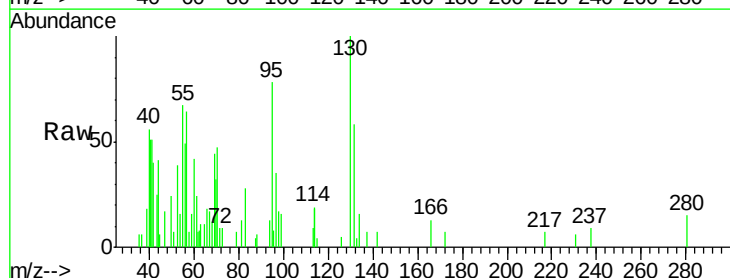
Ion Ratio Lower Upper

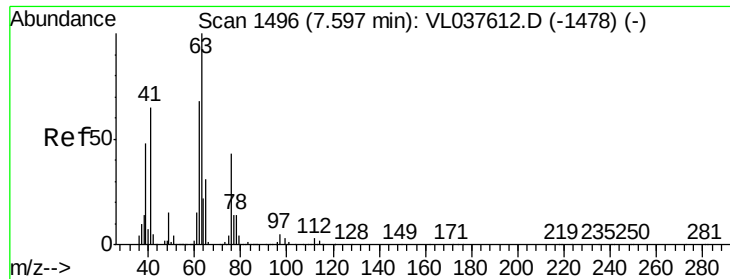
130 100

95 76.6 81.8 122.6#

132 57.1 75.3 112.9#

97 19.4 54.7 82.1#





#39

1,2-Dichloropropane

Concen: 7.238 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.42 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

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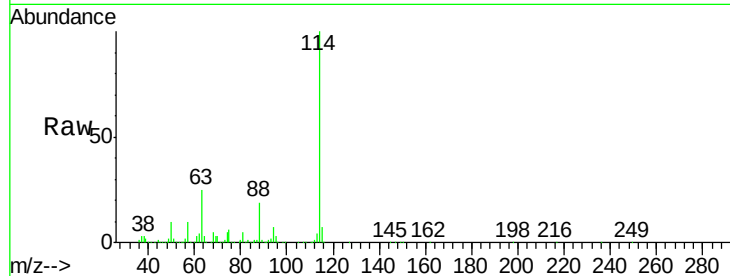
Tgt Ion: 63 Resp: 818658

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

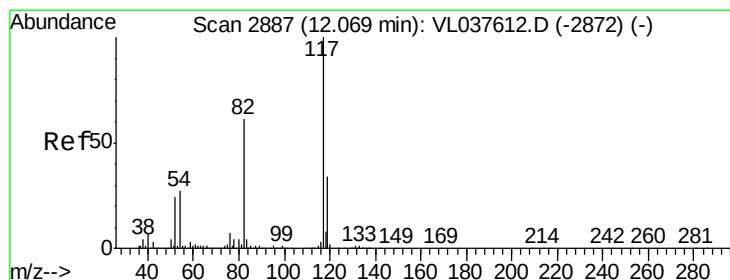
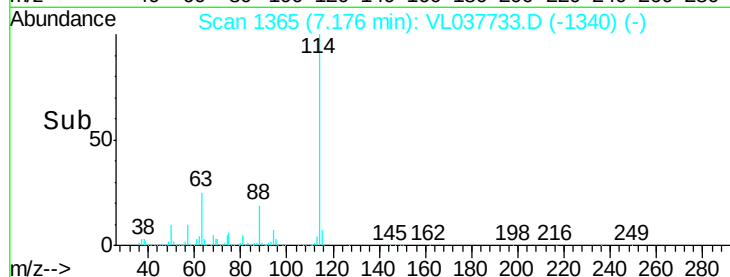
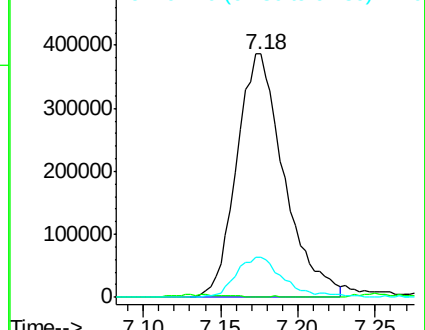
62 16.5 54.6 81.8#



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: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

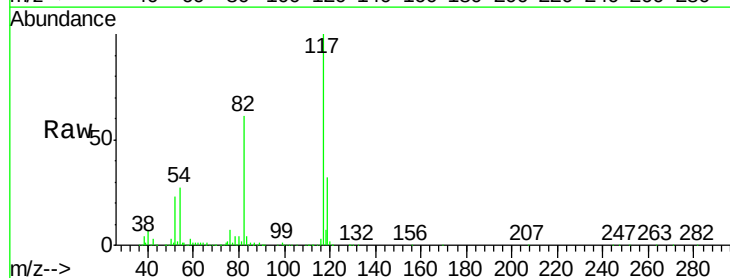
Tgt Ion: 117 Resp: 3042144

Ion Ratio Lower Upper

117 100

82 62.7 50.6 75.8

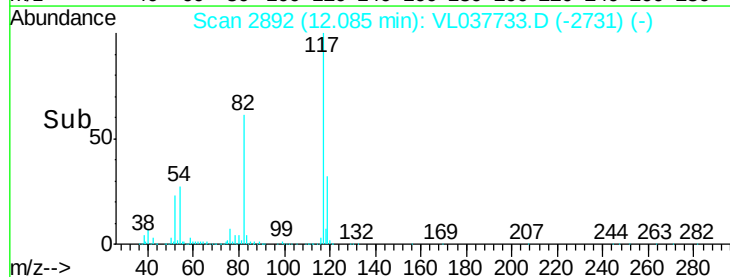
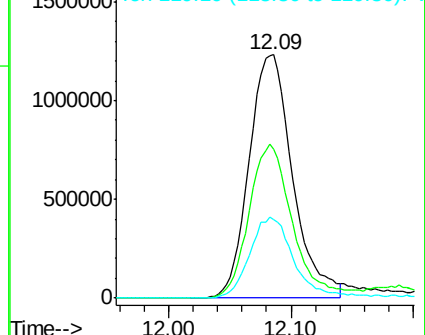
119 33.5 26.2 39.2

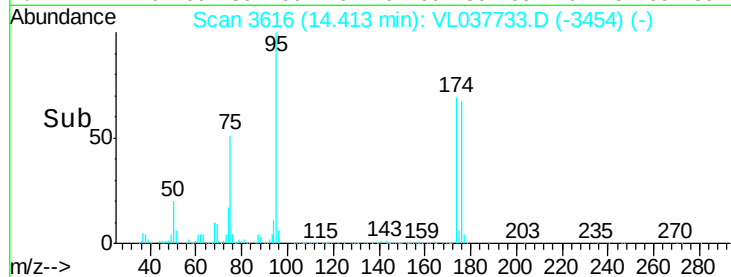
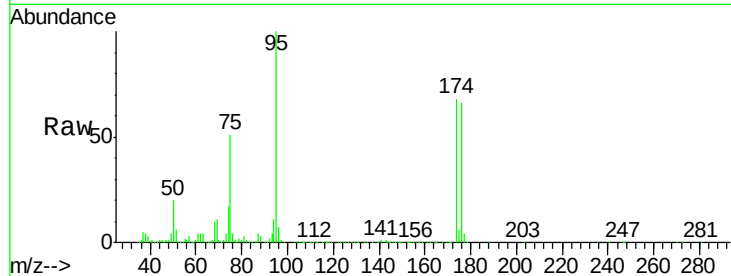
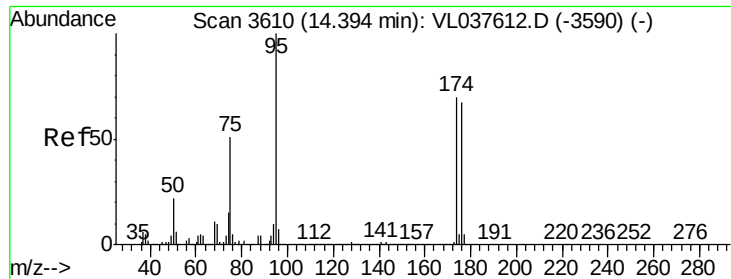


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.919 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037733.D

Acq: 29 Sep 2021 16:42

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tgt Ion: 95 Resp: 2180828

Ion Ratio Lower Upper

95 100

174 77.9 56.3 84.5

175 6.1 4.4 6.6

