

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035973.D
 Acq On : 18 Nov 2020 14:58
 Operator : SY/AP
 Sample : L4773-02DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Quant Time: Nov 19 08:10:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1064369	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	3867359	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3748914	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2785858	10.46	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

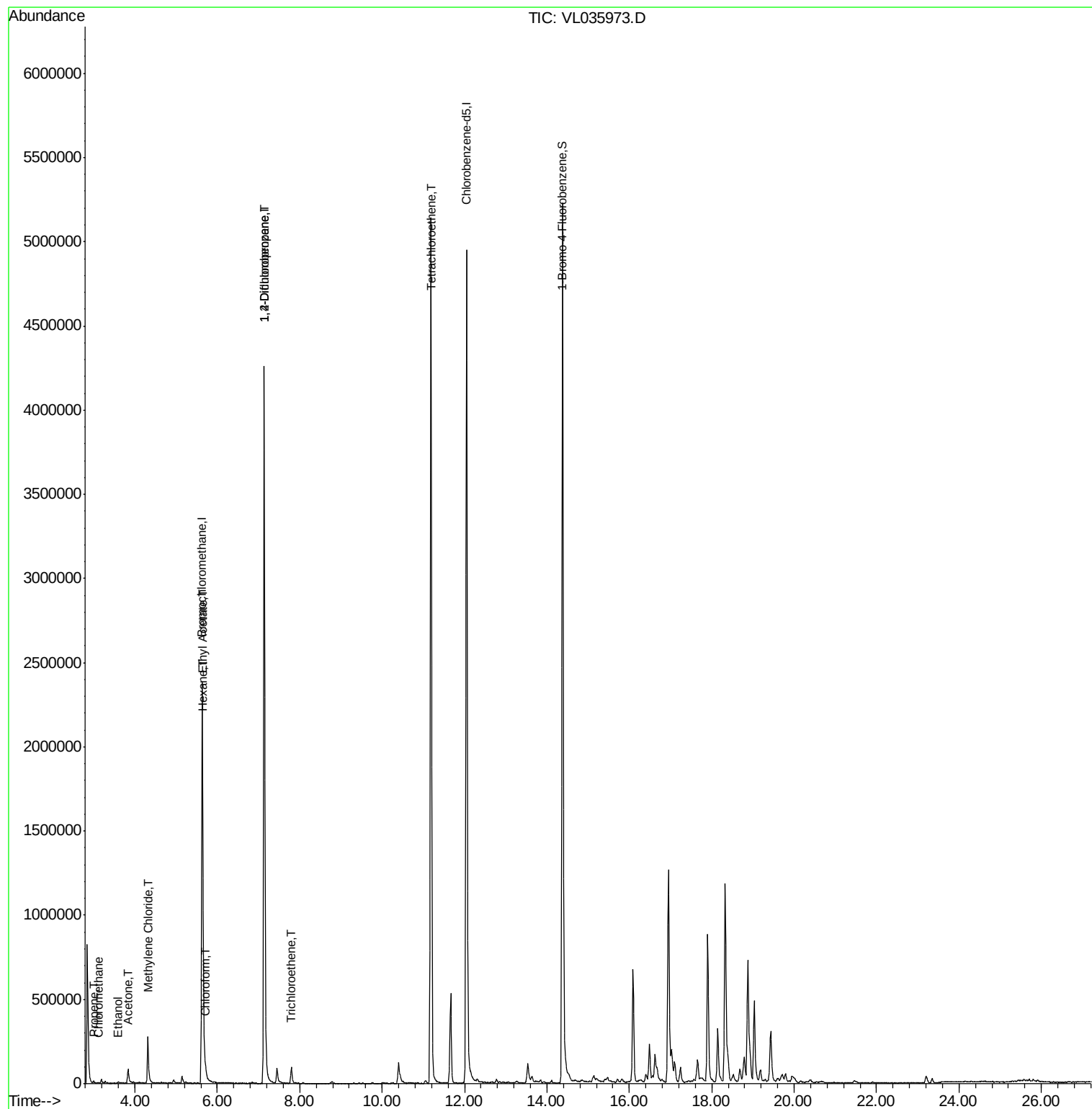
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	1932	0.031	ppbv #	74
9) Propene	2.99	41	1696	0.036	ppbv #	1
13) Ethanol	3.59	45	3898	0.385	ppbv #	1
15) Acetone	3.84	43	103452	0.909	ppbv #	76
20) Methylene Chloride	4.31	84	157303	1.964	ppbv	98
25) Ethyl Acetate	5.65	43	50631	0.226	ppbv #	70
26) Hexane	5.65	57	86907	0.703	ppbv #	43
29) Chloroform	5.71	83	18011	0.074	ppbv	84
38) Trichloroethene	7.79	130	17631	0.126	ppbv	93
39) 1,2-Dichloropropane	7.14	63	787593	8.136	ppbv #	30
52) Tetrachloroethene	11.19	164	1427630	10.481	ppbv	98

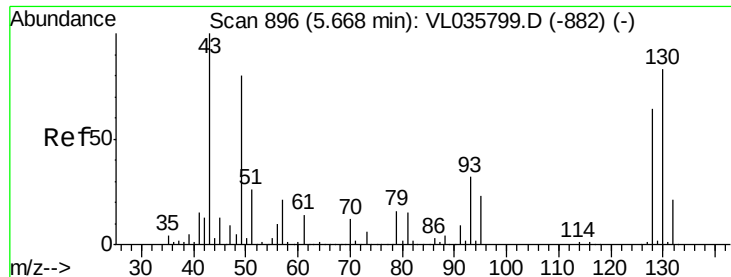
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 19 08:10:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.04 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

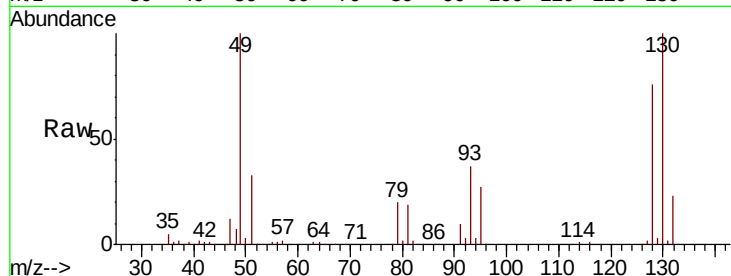
Tot Ion: 49 Resp: 1064369

Ion Ratio Lower Upper

49 100

128 79.6 41.5 124.6

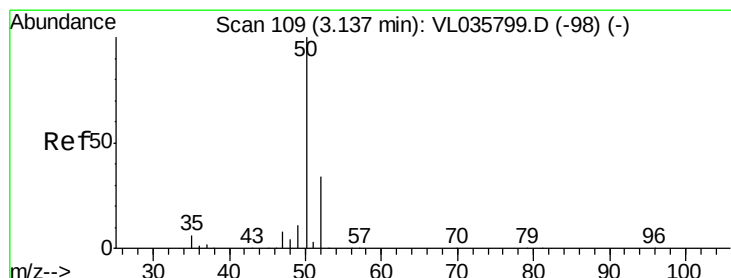
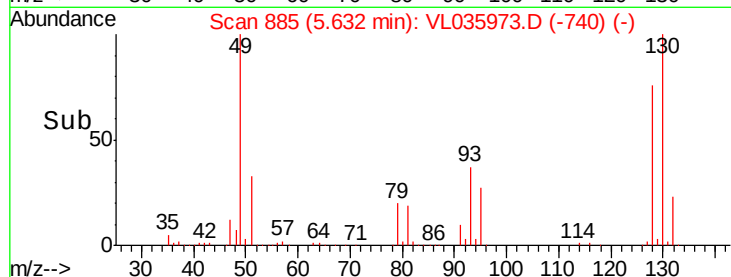
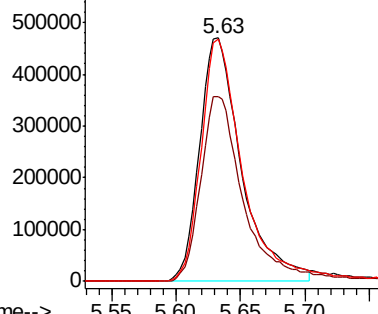
130 101.3 53.7 161.1



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



#4

Chloromethane

Concen: 0.031 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035973.D

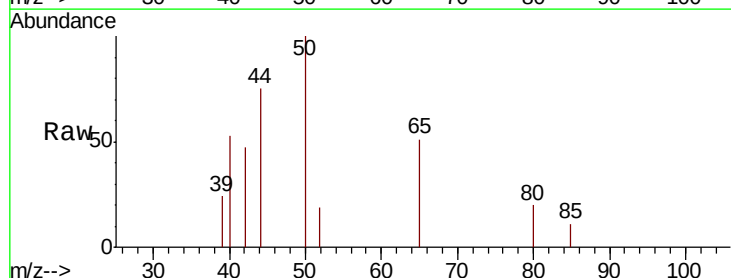
Acq: 18 Nov 2020 14:58

Tgt Ion: 50 Resp: 1932

Ion Ratio Lower Upper

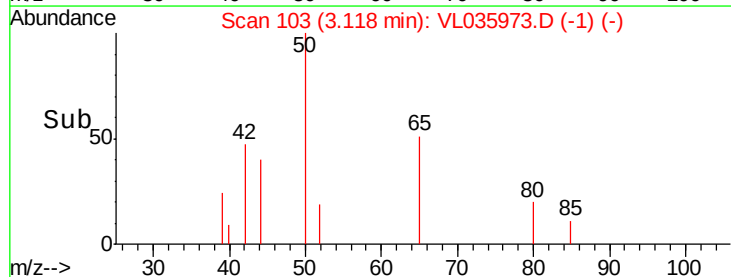
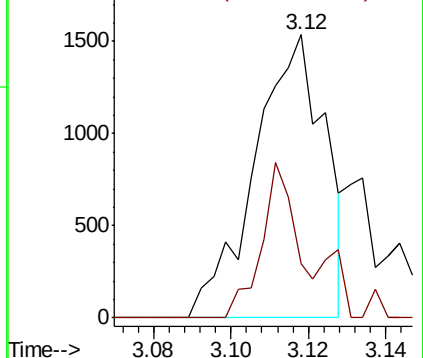
50 100

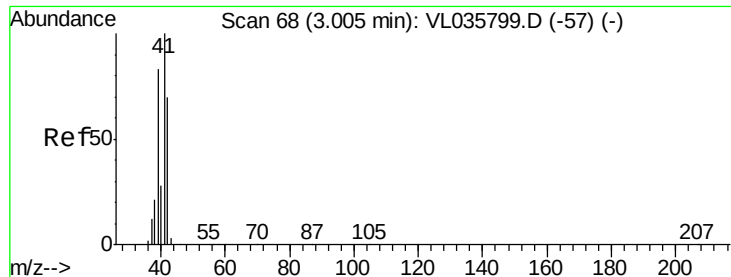
52 19.0 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.036 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

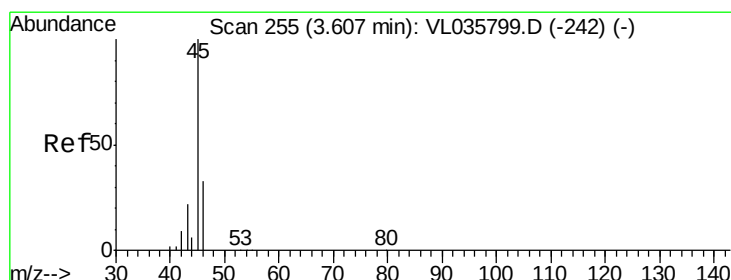
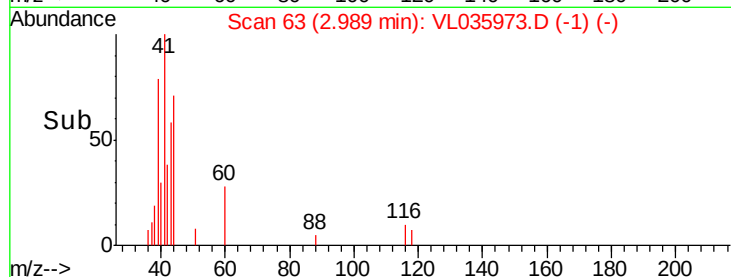
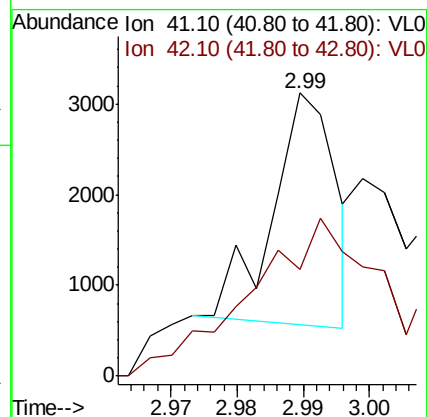
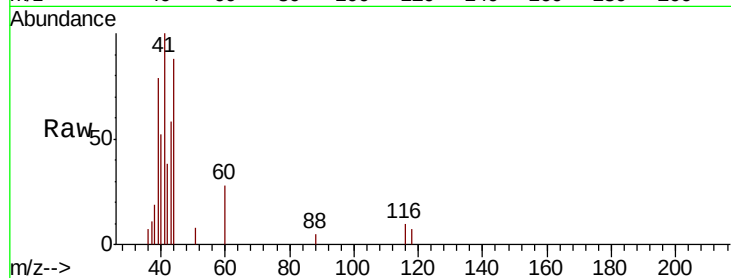
SV2DL2

Tot Ion: 41 Resp: 1696

Ion Ratio Lower Upper

41 100

42 177.2 56.2 84.4#



#13

Ethanol

Concen: 0.385 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035973.D

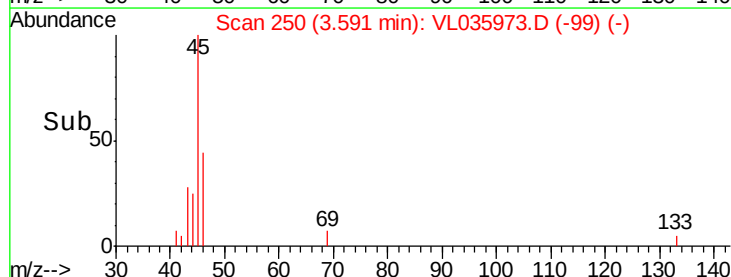
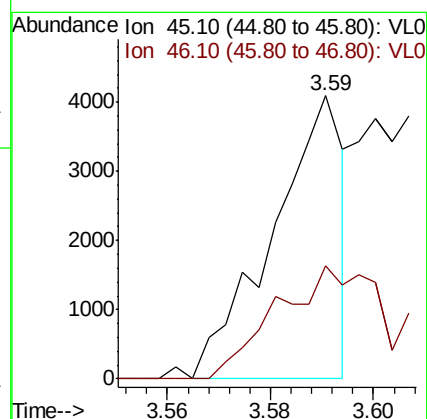
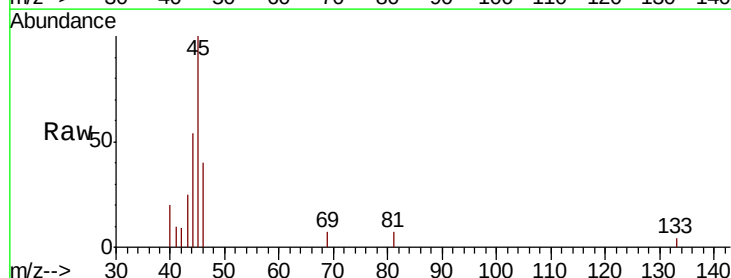
Acq: 18 Nov 2020 14:58

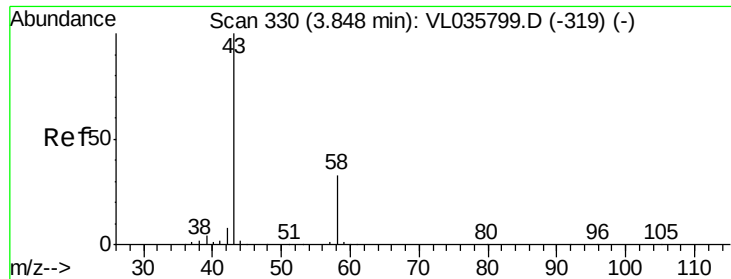
Tgt Ion: 45 Resp: 3898

Ion Ratio Lower Upper

45 100

46 108.5 16.1 64.5#





#15

Acetone

Concen: 0.909 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

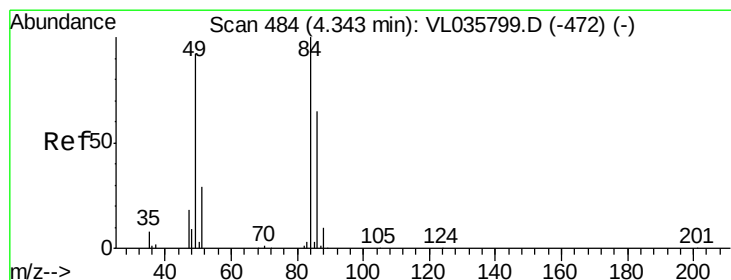
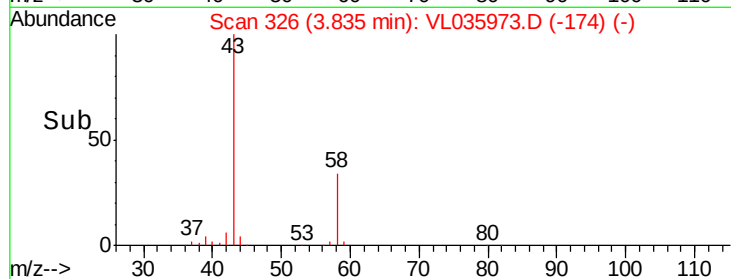
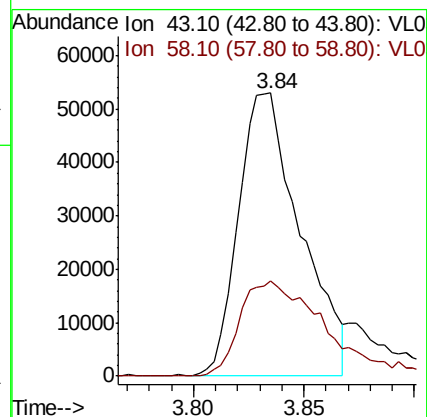
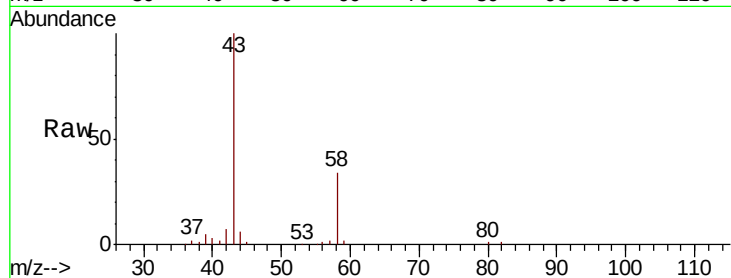
SV2DL2

Tot Ion: 43 Resp: 103452

Ion Ratio Lower Upper

43 100

58 48.4 27.5 41.3#



#20

Methylene Chloride

Concen: 1.964 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Tgt Ion: 84 Resp: 157303

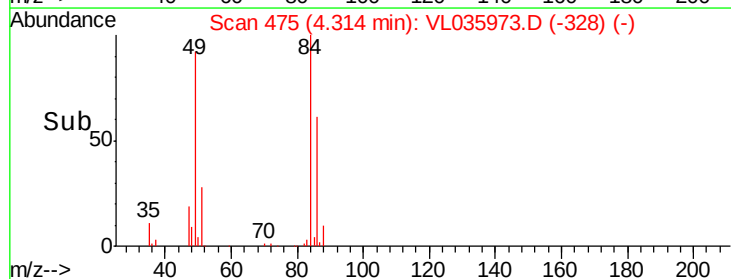
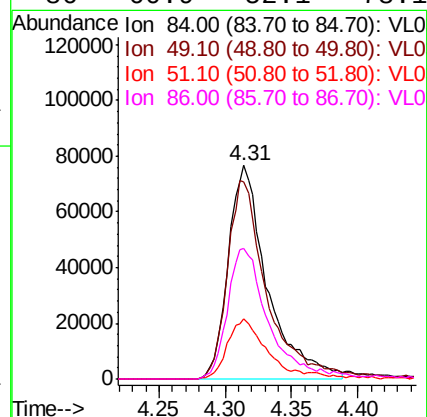
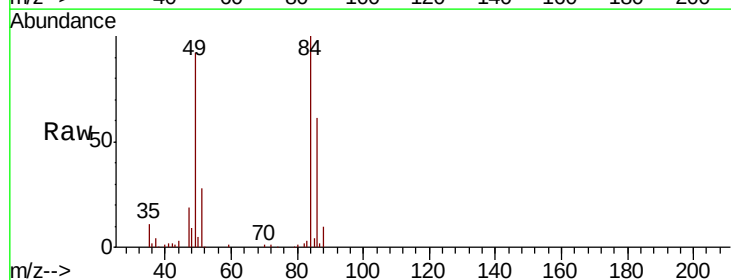
Ion Ratio Lower Upper

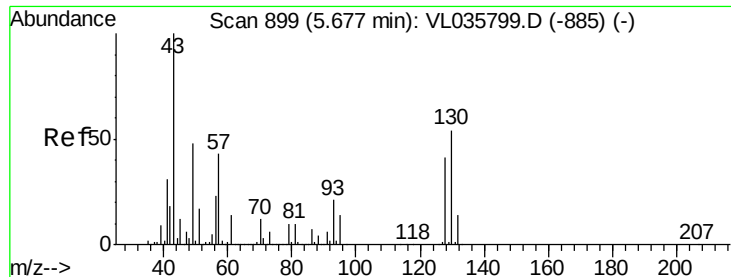
84 100

49 92.1 73.8 110.8

51 28.1 23.0 34.4

86 60.9 52.1 78.1

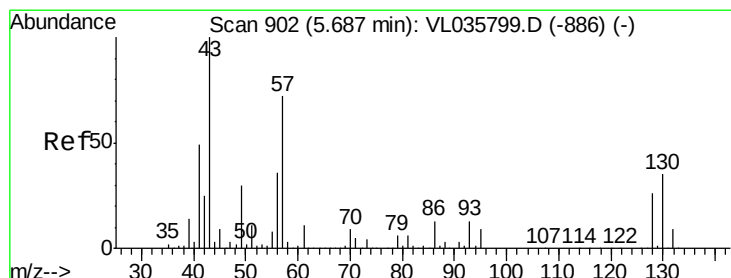
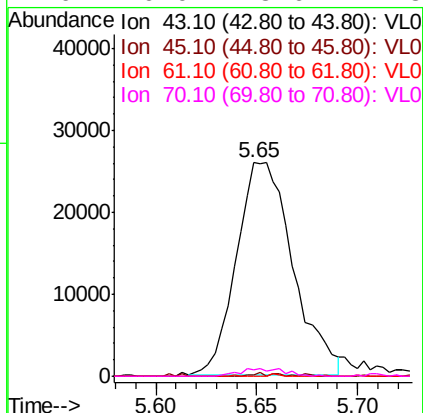
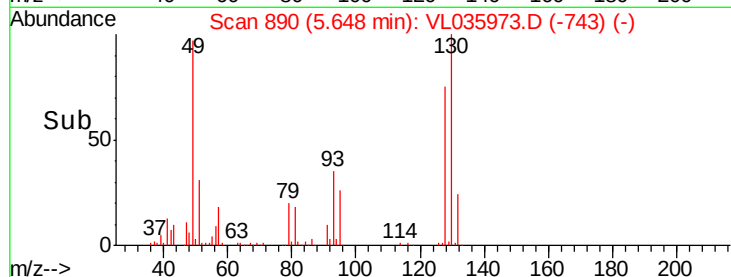
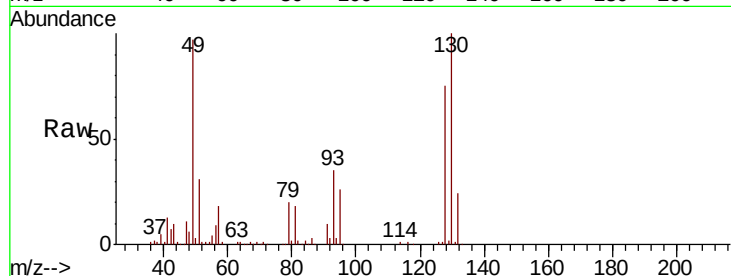




#25
Ethyl Acetate
Concen: 0.226 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035973.D
Acq: 18 Nov 2020 14:58

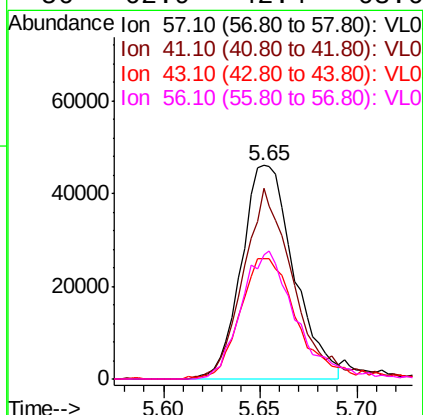
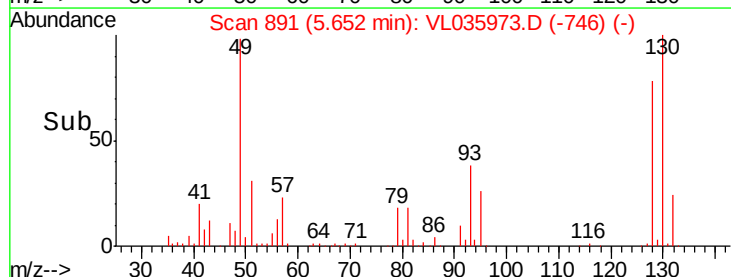
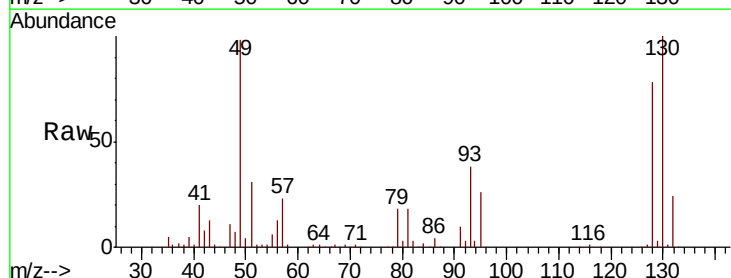
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

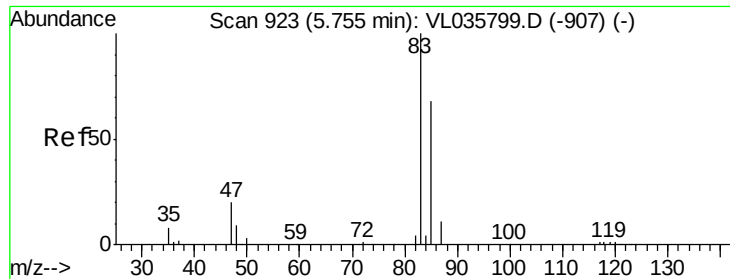
Tot Ion:	43	Resp:	50631
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.5	12.7#
61	0.0	10.7	16.1#
70	0.0	8.6	12.8#



#26
Hexane
Concen: 0.703 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.04 min
Lab File: VL035973.D
Acq: 18 Nov 2020 14:58

Tgt Ion:	57	Resp:	86907
Ion	Ratio	Lower	Upper
57	100		
41	88.3	58.9	88.3
43	63.3	150.2	225.2#
56	62.9	42.4	63.6

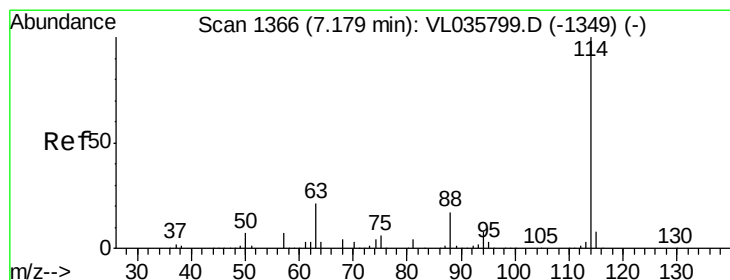
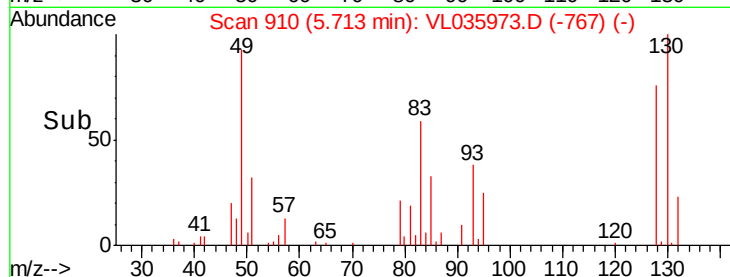
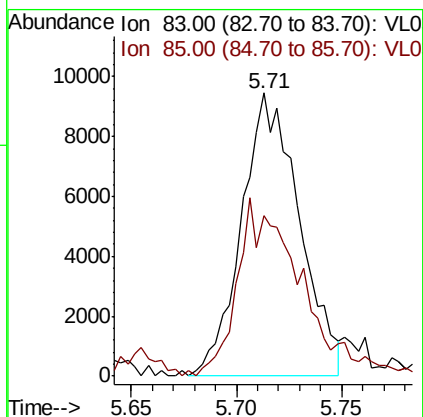
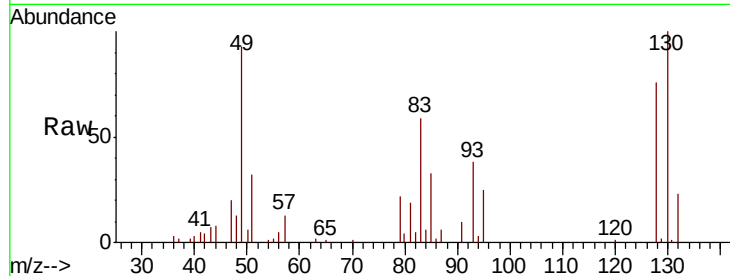




#29
Chloroform
Concen: 0.074 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.04 min
Lab File: VL035973.D
Acq: 18 Nov 2020 14:58

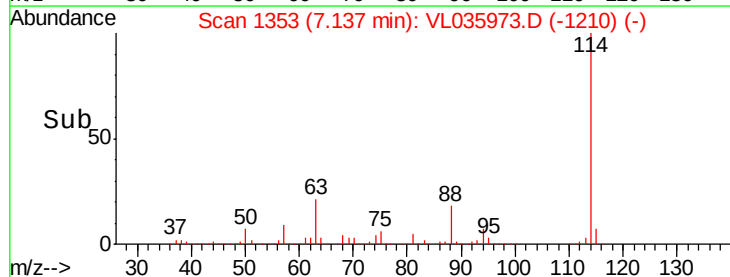
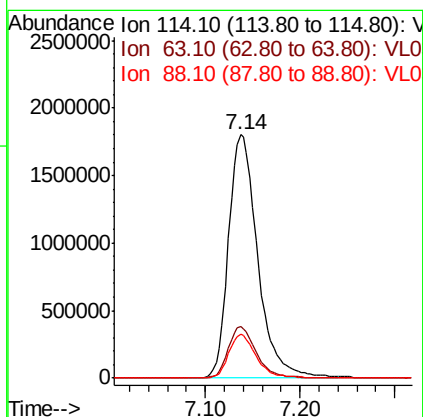
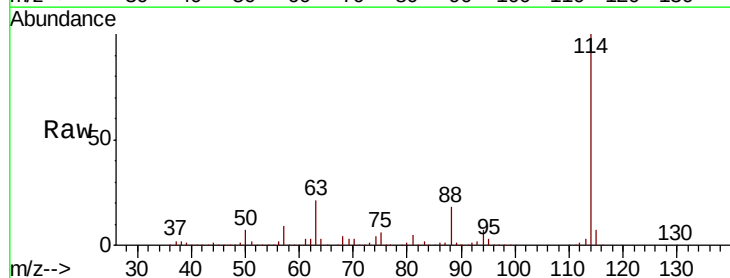
Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

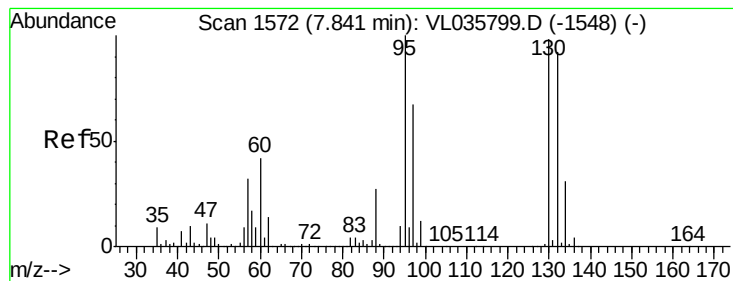
Tot Ion: 83 Resp: 18011
Ion Ratio Lower Upper
83 100
85 54.9 54.6 81.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.04 min
Lab File: VL035973.D
Acq: 18 Nov 2020 14:58

Tgt Ion: 114 Resp: 3867359
Ion Ratio Lower Upper
114 100
63 20.6 16.1 24.1
88 17.2 13.7 20.5





#38

Trichloroethene

Concen: 0.126 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

Tot Ion:130 Resp: 17631

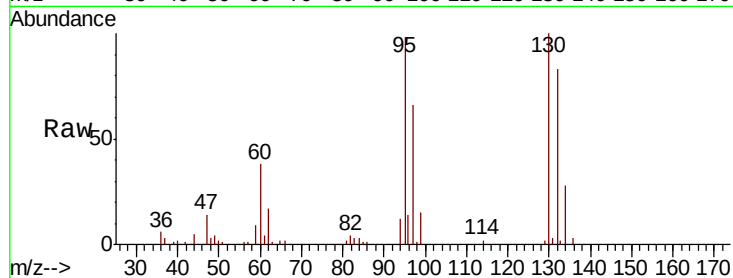
Ion Ratio Lower Upper

130 100

95 96.0 81.6 122.4

132 83.0 75.1 112.7

97 66.0 54.6 81.8

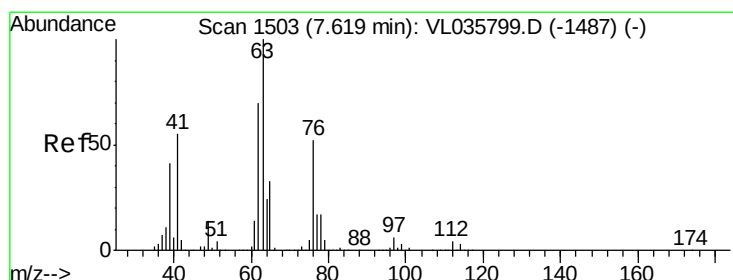
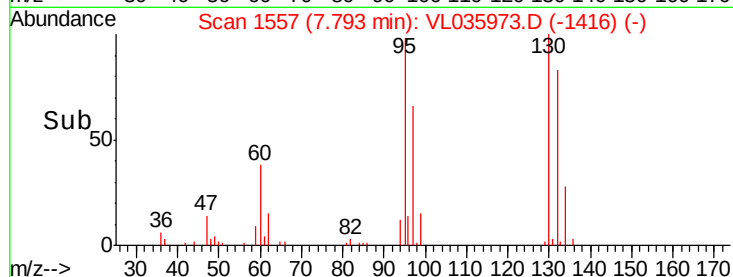
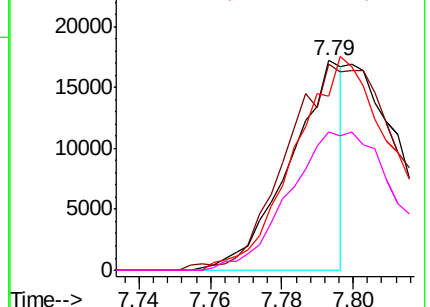


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.136 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.48 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

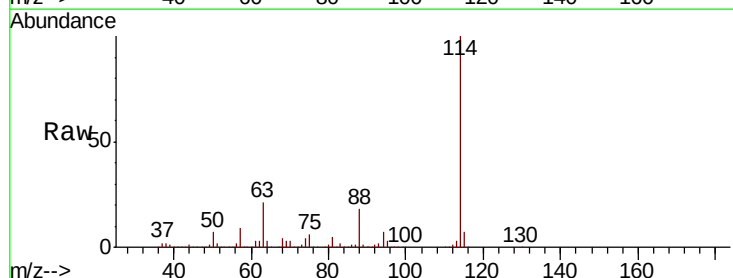
Tgt Ion: 63 Resp: 787593

Ion Ratio Lower Upper

63 100

41 0.1 43.8 65.6#

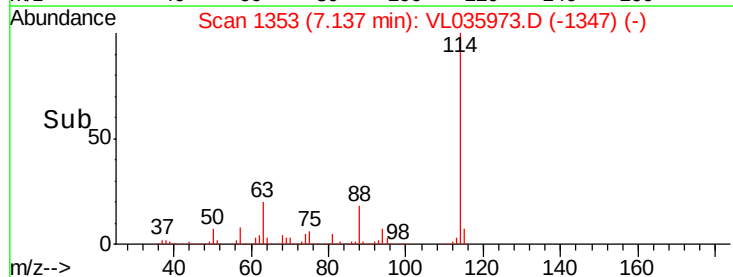
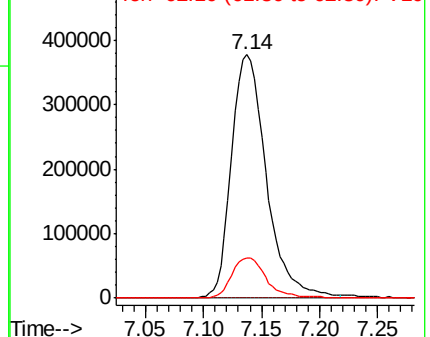
62 16.7 56.2 84.2#

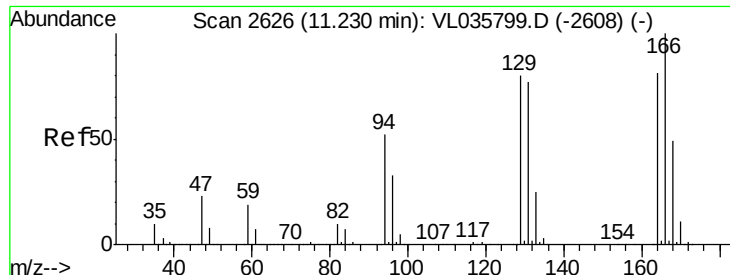


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 10.481 ppbv

RT: 11.19 min Scan# 2612

Delta R.T. -0.04 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

Tot Ion:164 Resp: 1427630

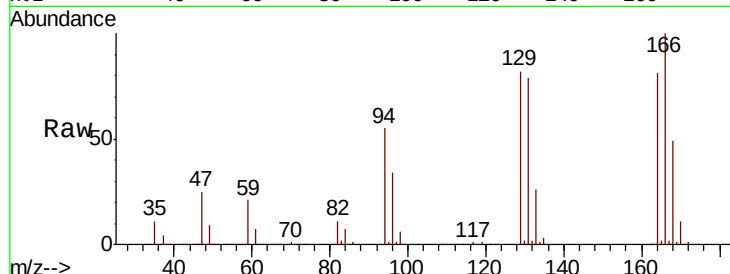
Ion Ratio Lower Upper

164 100

166 123.7 99.3 148.9

129 101.4 79.3 118.9

131 97.8 76.5 114.7

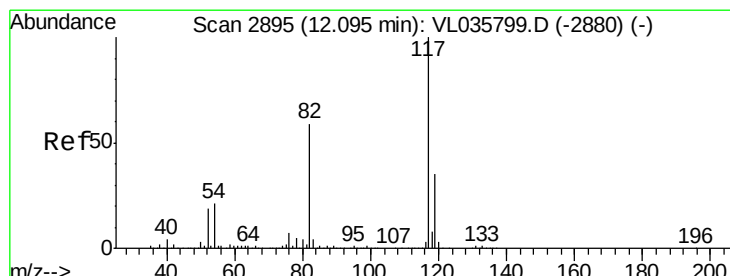
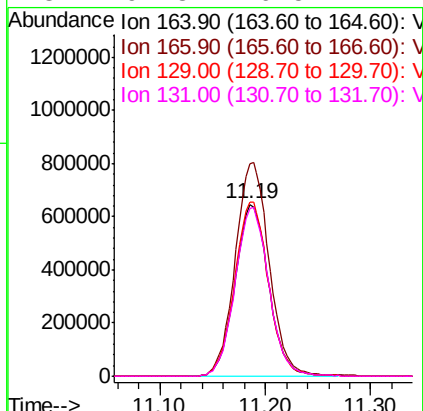
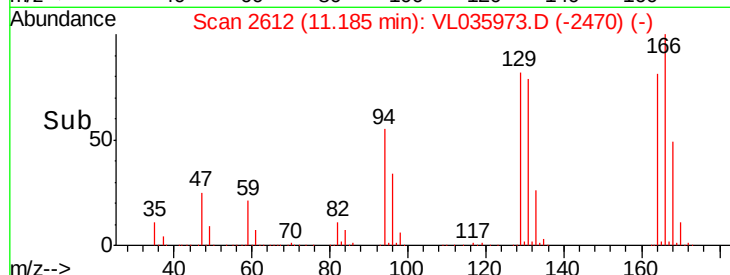


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.04 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

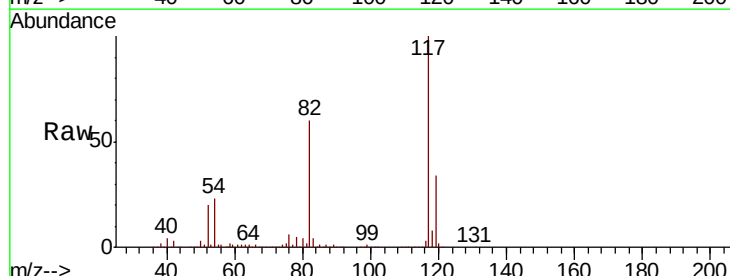
Tgt Ion:117 Resp: 3748914

Ion Ratio Lower Upper

117 100

82 60.9 50.6 76.0

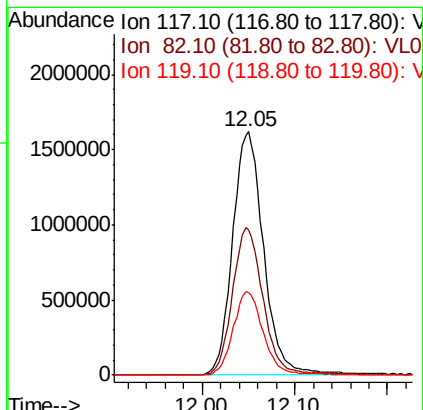
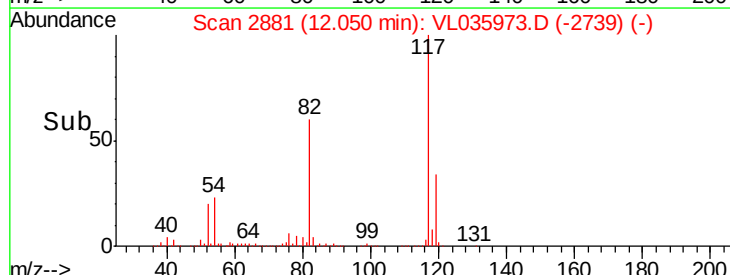
119 33.9 52.6 78.8#

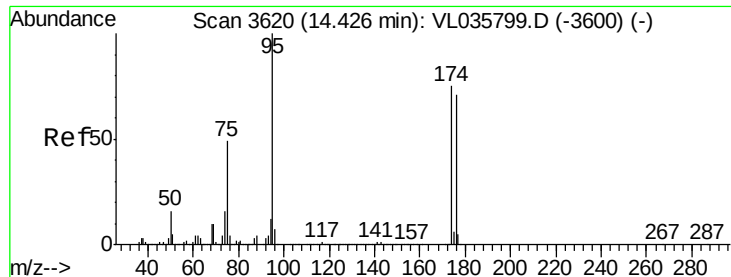


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.459 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.04 min

Lab File: VL035973.D

Acq: 18 Nov 2020 14:58

Instrument :

MSVOA_L

ClientSampleId :

SV2DL2

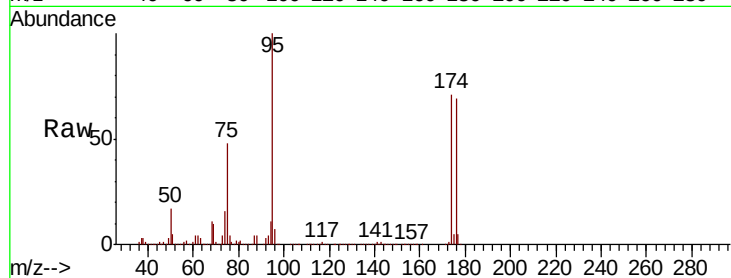
Tot Ion: 95 Resp: 2785858

Ion Ratio Lower Upper

95 100

174 71.1 59.8 89.6

175 5.1 4.3 6.5



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

