

Data File : VL034458.D
Acq On : 3 Dec 2019 13:30
Operator : SY/AP
Sample : K6068-02DL2 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Quant Time: Dec 03 14:00:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	978905	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1912964	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1929720	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1613732	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

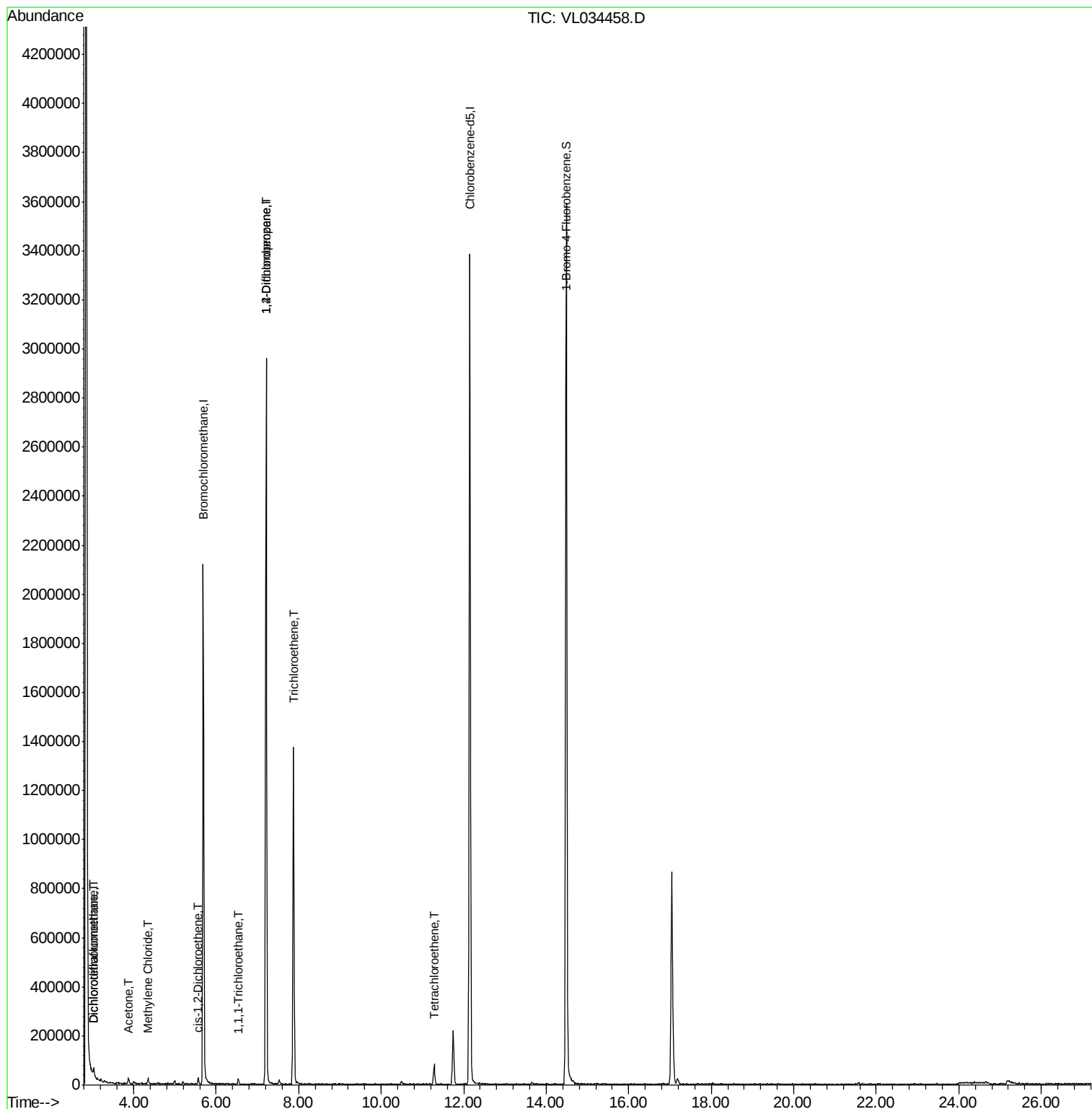
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	18211	0.103	ppbv #	87
8) Dichlorotetrafluoroethane	3.03	85	18211	0.115	ppbv #	19
15) Acetone	3.87	43	12366	0.088	ppbv #	50
20) Methylene Chloride	4.34	84	2860	0.058	ppbv #	61
31) cis-1,2-Dichloroethene	5.56	61	11829	0.106	ppbv #	74
32) 1,1,1-Trichloroethane	6.53	97	6483	0.040	ppbv #	34
38) Trichloroethene	7.88	130	383865	4.892	ppbv	98
39) 1,2-Dichloropropane	7.21	63	568814	7.721	ppbv #	25
52) Tetrachloroethene	11.28	164	10467	0.127	ppbv	84

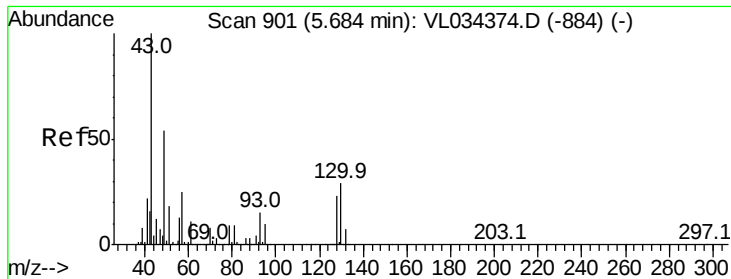
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

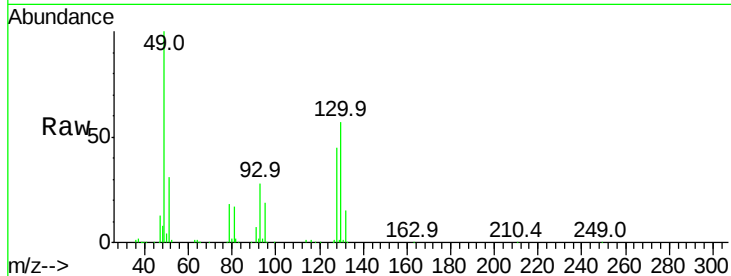
Tgt Ion: 49 Resp: 978905

Ion Ratio Lower Upper

49 100

128 43.6 21.8 65.3

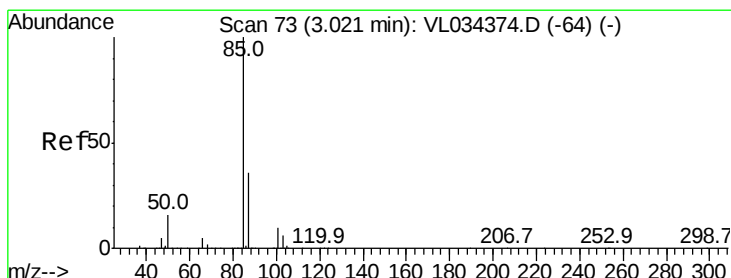
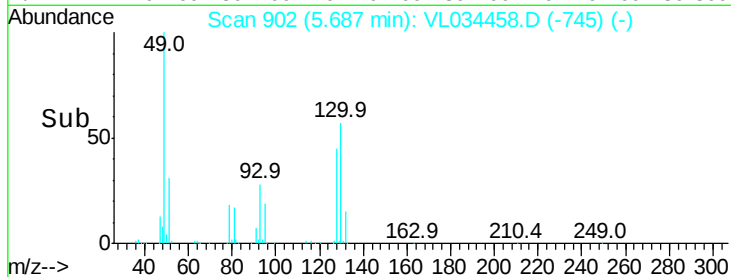
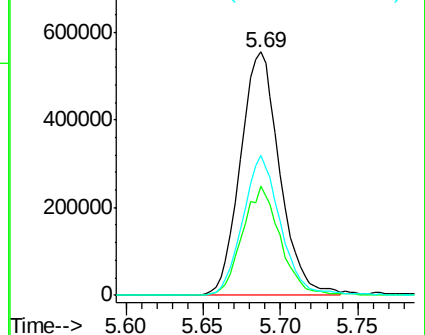
130 55.8 28.0 84.0



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: 0.103 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL034458.D

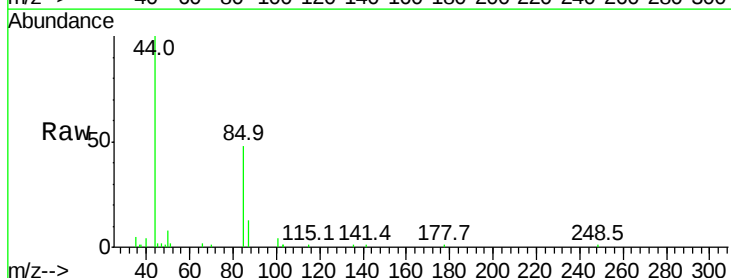
Acq: 3 Dec 2019 13:30

Tgt Ion: 85 Resp: 18211

Ion Ratio Lower Upper

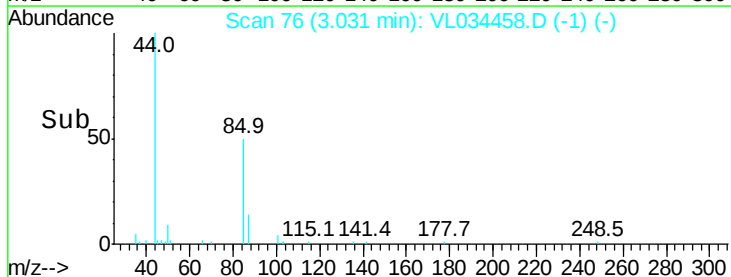
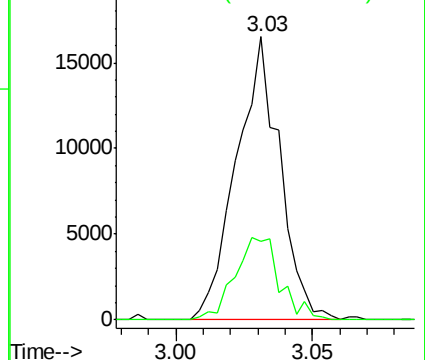
85 100

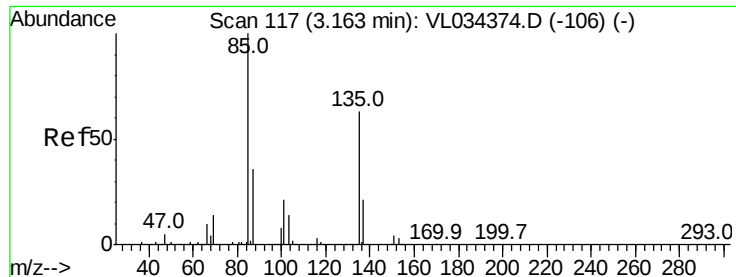
87 27.7 28.5 42.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.115 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.13 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

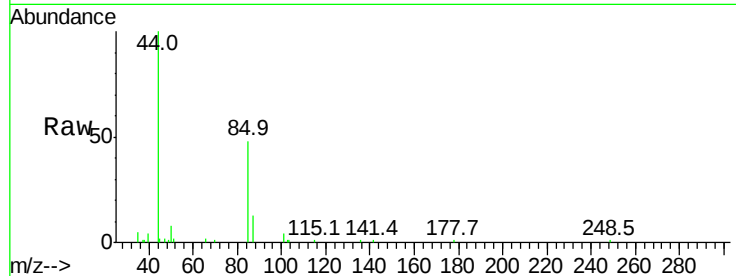
SV-2DL2

Tgt Ion: 85 Resp: 18211

Ion Ratio Lower Upper

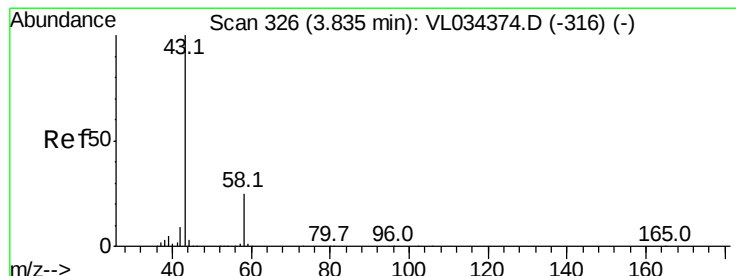
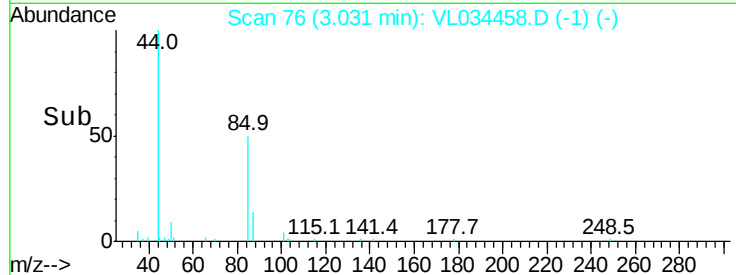
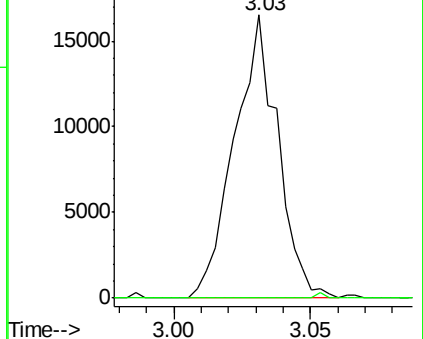
85 100

135 0.2 51.1 76.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#15

Acetone

Concen: 0.088 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL034458.D

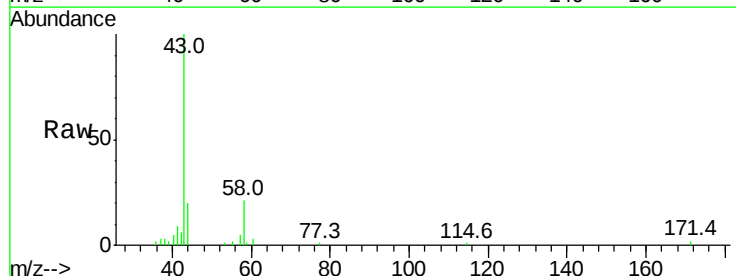
Acq: 3 Dec 2019 13:30

Tgt Ion: 43 Resp: 12366

Ion Ratio Lower Upper

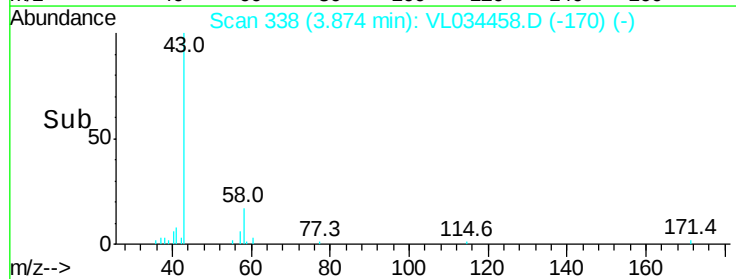
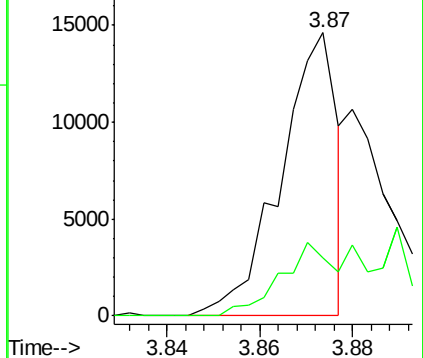
43 100

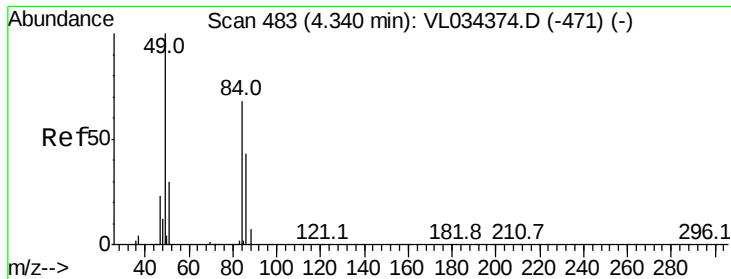
58 0.0 20.2 30.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.058 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tgt Ion: 84 Resp: 2860

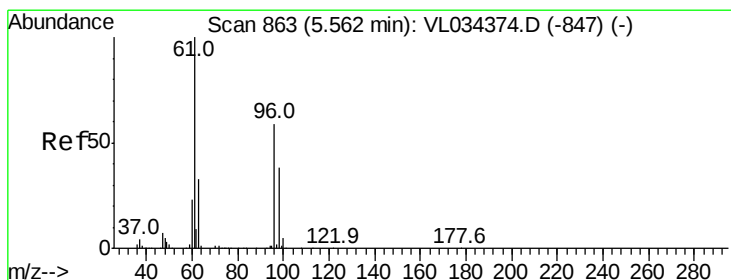
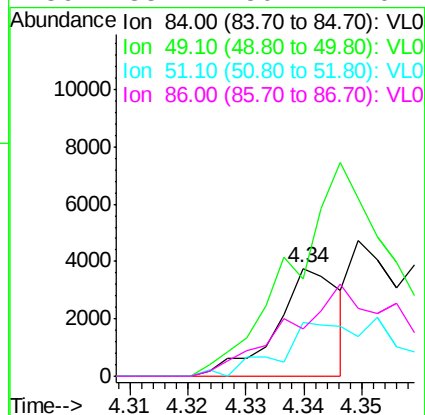
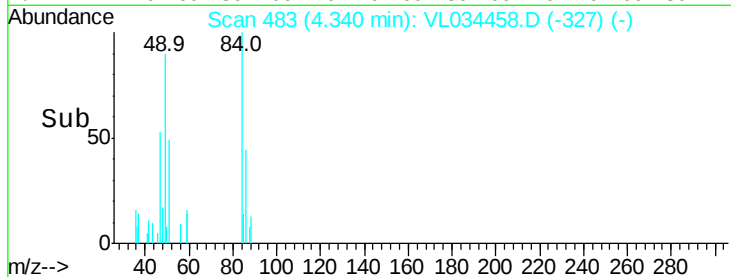
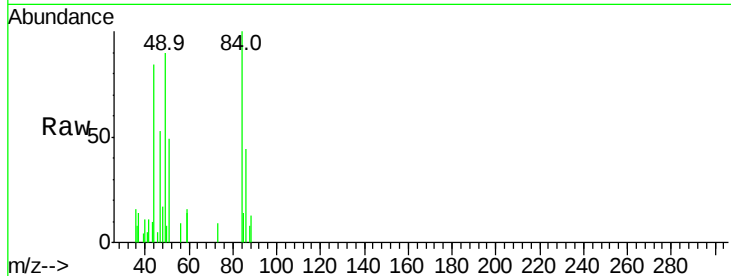
Ion Ratio Lower Upper

84 100

49 79.1 116.8 175.2#

51 43.4 35.6 53.4

86 38.7 50.7 76.1#



#31

cis-1,2-Dichloroethene

Concen: 0.106 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

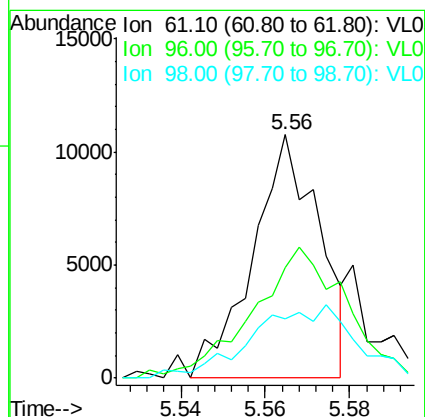
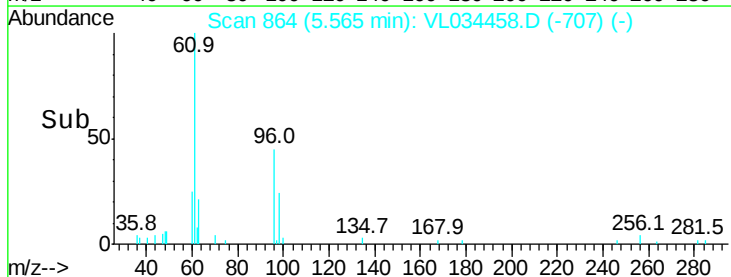
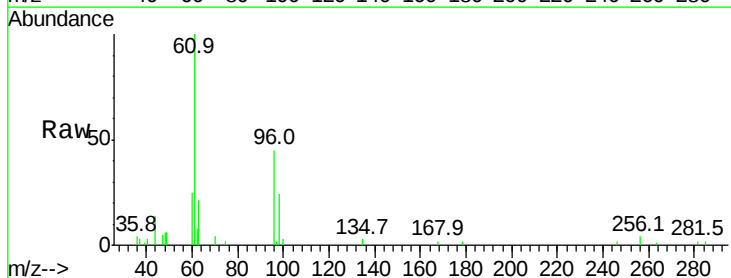
Tgt Ion: 61 Resp: 11829

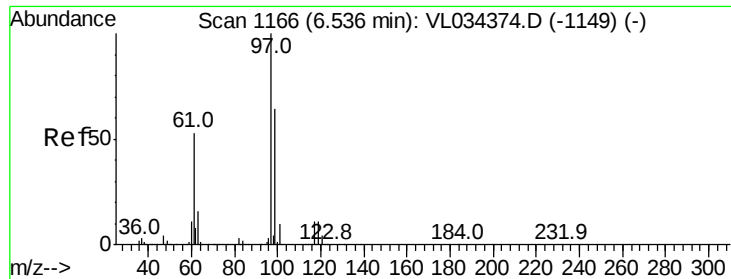
Ion Ratio Lower Upper

61 100

96 40.2 47.4 71.2#

98 21.9 30.6 45.8#





#32

1,1,1-Trichloroethane

Concen: 0.040 ppbv

RT: 6.53 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

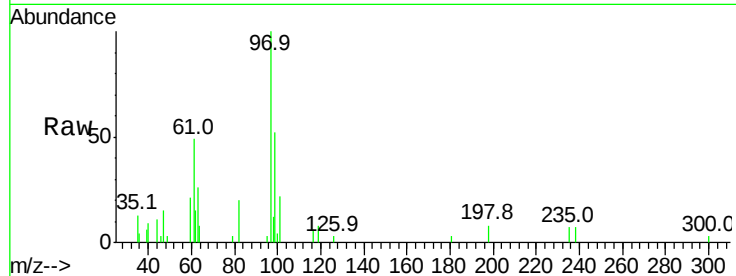
Tgt Ion: 97 Resp: 6483

Ion Ratio Lower Upper

97 100

99 111.2 52.3 78.5#

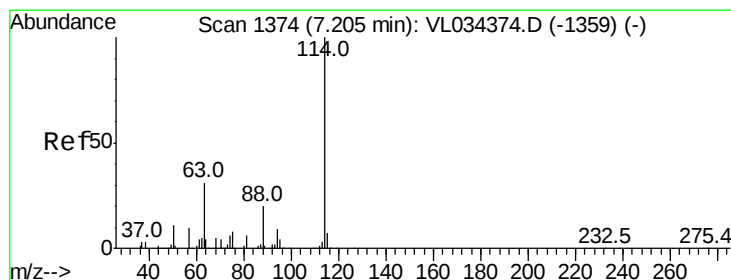
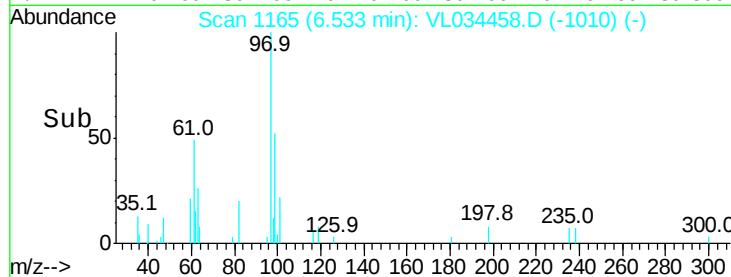
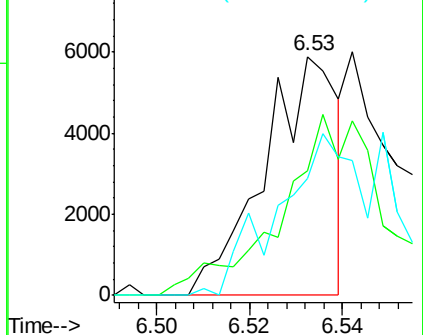
61 0.0 43.7 65.5#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

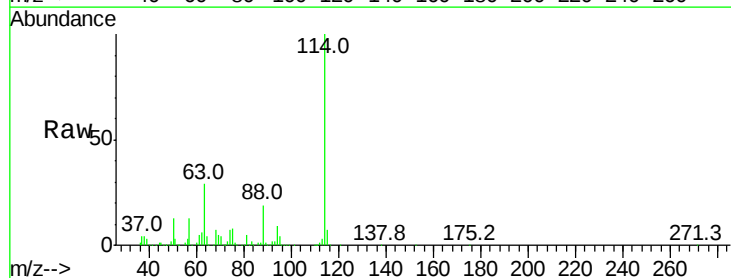
Tgt Ion: 114 Resp: 1912964

Ion Ratio Lower Upper

114 100

63 29.8 24.2 36.4

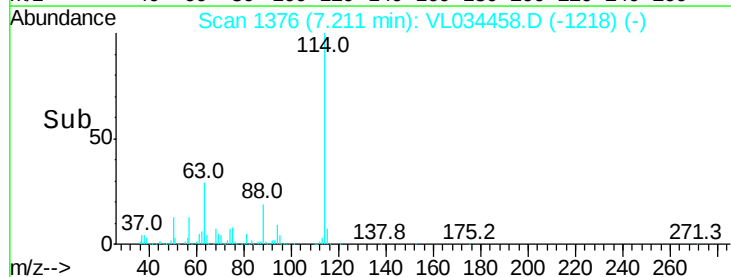
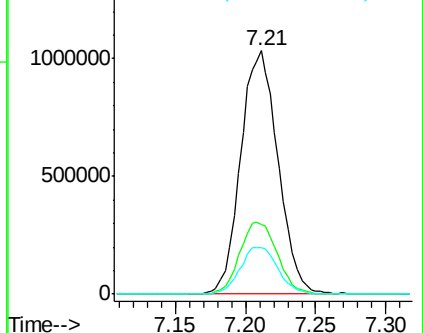
88 19.6 15.9 23.9

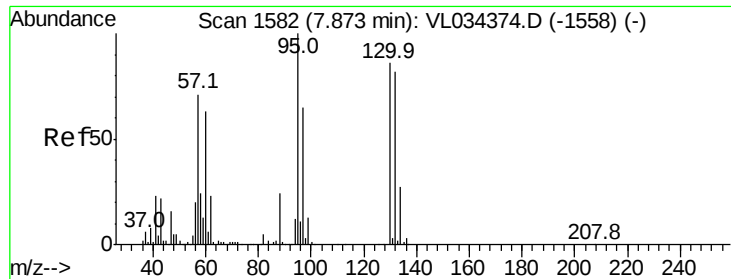


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 4.892 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tgt Ion:130 Resp: 383865

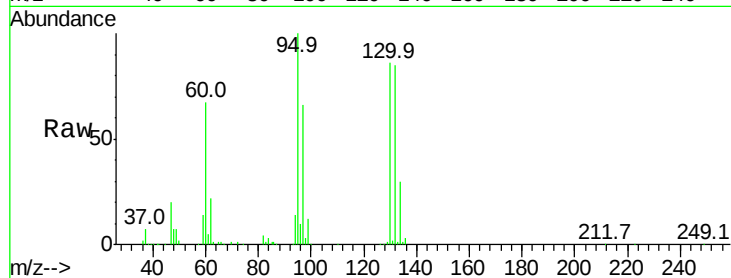
Ion Ratio Lower Upper

130 100

95 116.1 93.4 140.0

132 99.1 76.4 114.6

97 76.8 61.1 91.7

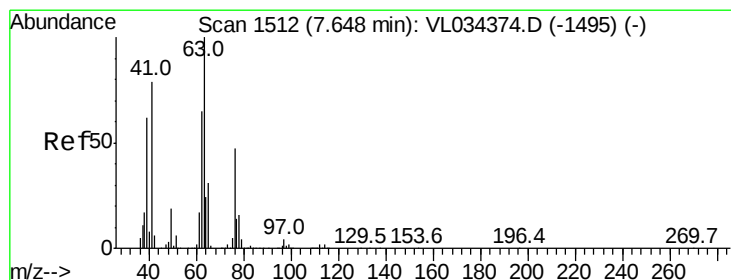
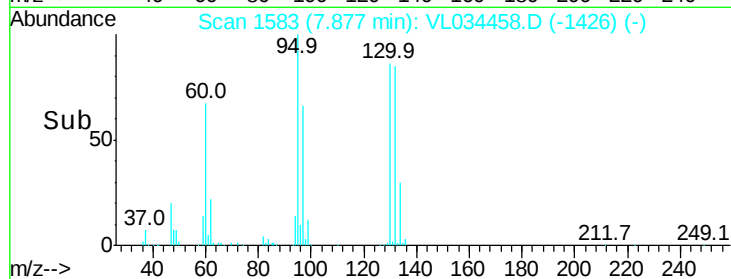
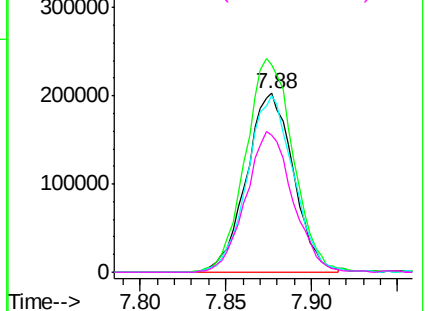


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.721 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.44 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

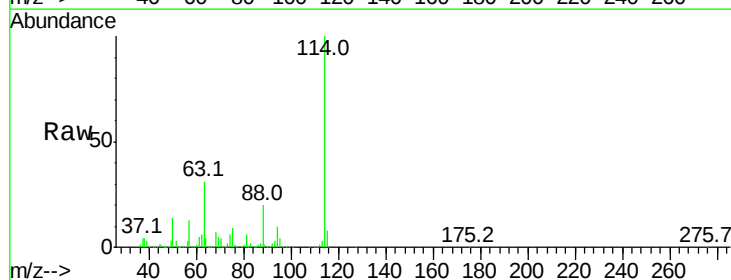
Tgt Ion: 63 Resp: 568814

Ion Ratio Lower Upper

63 100

41 0.1 63.1 94.7#

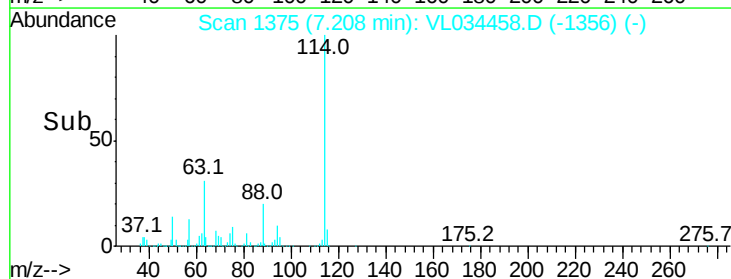
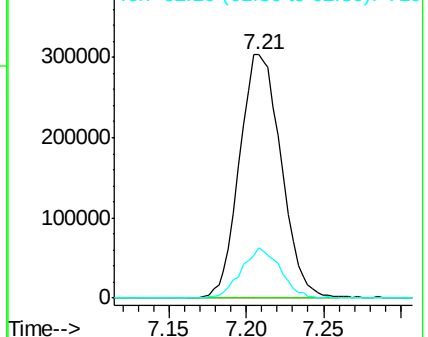
62 20.5 52.3 78.5#

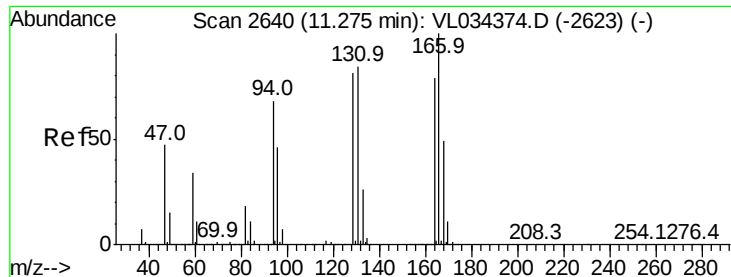


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.127 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

Tgt Ion:164 Resp: 10467

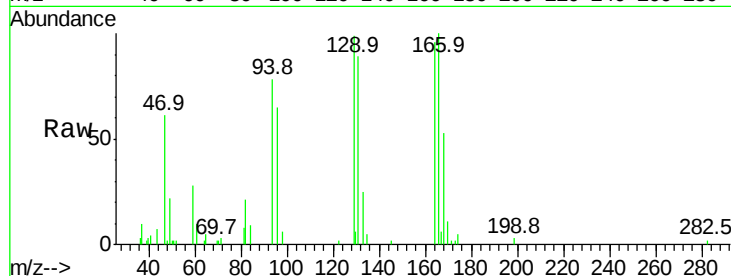
Ion Ratio Lower Upper

164 100

166 102.5 101.7 152.5

129 91.1 82.6 123.8

131 93.3 85.2 127.8

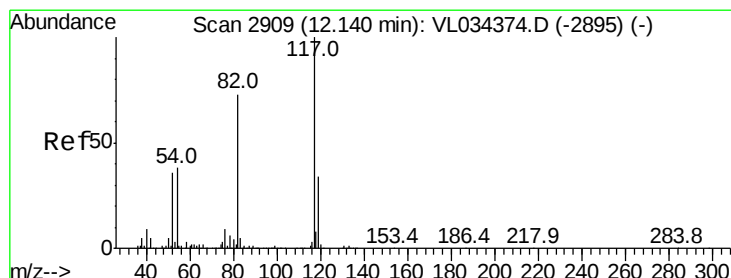
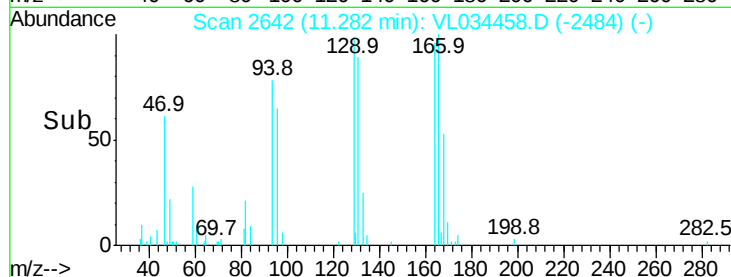
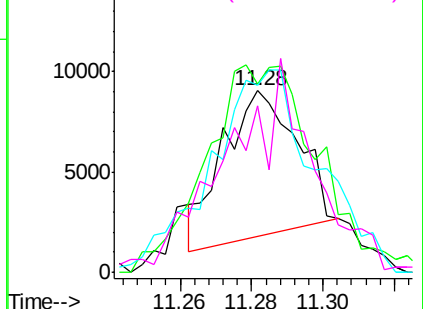


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

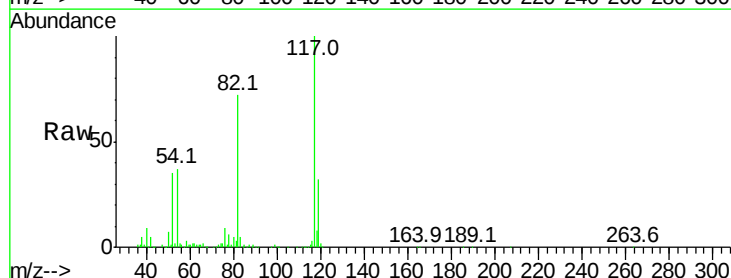
Tgt Ion:117 Resp: 1929720

Ion Ratio Lower Upper

117 100

82 72.4 57.5 86.3

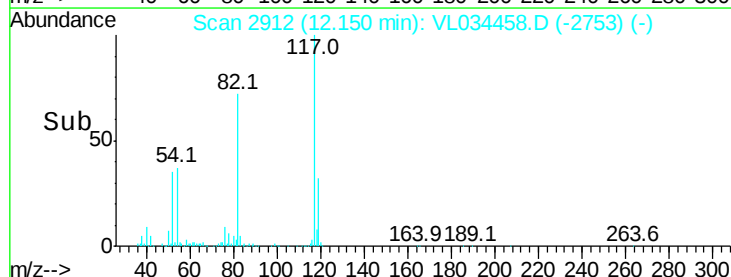
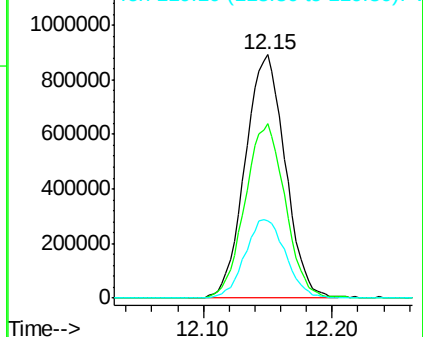
119 32.6 25.4 38.2

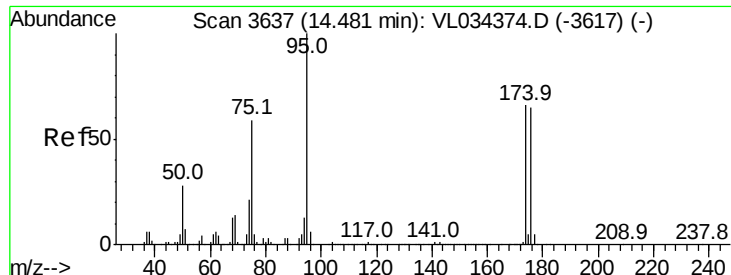


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.940 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034458.D

Acq: 3 Dec 2019 13:30

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL2

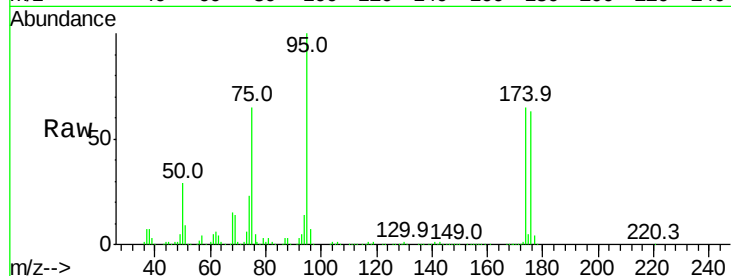
Tgt Ion: 95 Resp: 1613732

Ion Ratio Lower Upper

95 100

174 65.6 52.2 78.2

175 4.7 3.8 5.8



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

