

Data File : VL034457.D
Acq On : 3 Dec 2019 12:52
Operator : SY/AP
Sample : K6068-03DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

Quant Time: Dec 03 13:38:09 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	1010793	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1991393	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1985708	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1666856	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.59	45	605	0.039	ppbv #	54
15) Acetone	3.87	43	29054	0.201	ppbv #	88
16) 1,3-Butadiene	3.29	39	3394	0.054	ppbv #	26
19) Isopropyl Alcohol	3.98	45	42507	0.458	ppbv #	95
20) Methylene Chloride	4.35	84	4181	0.081	ppbv	92
31) cis-1,2-Dichloroethene	5.56	61	11122	0.097	ppbv #	74
38) Trichloroethene	7.87	130	453362	5.550	ppbv	99
39) 1,2-Dichloropropane	7.21	63	588529	7.674	ppbv #	24
52) Tetrachloroethene	11.28	164	54146	0.629	ppbv	91

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

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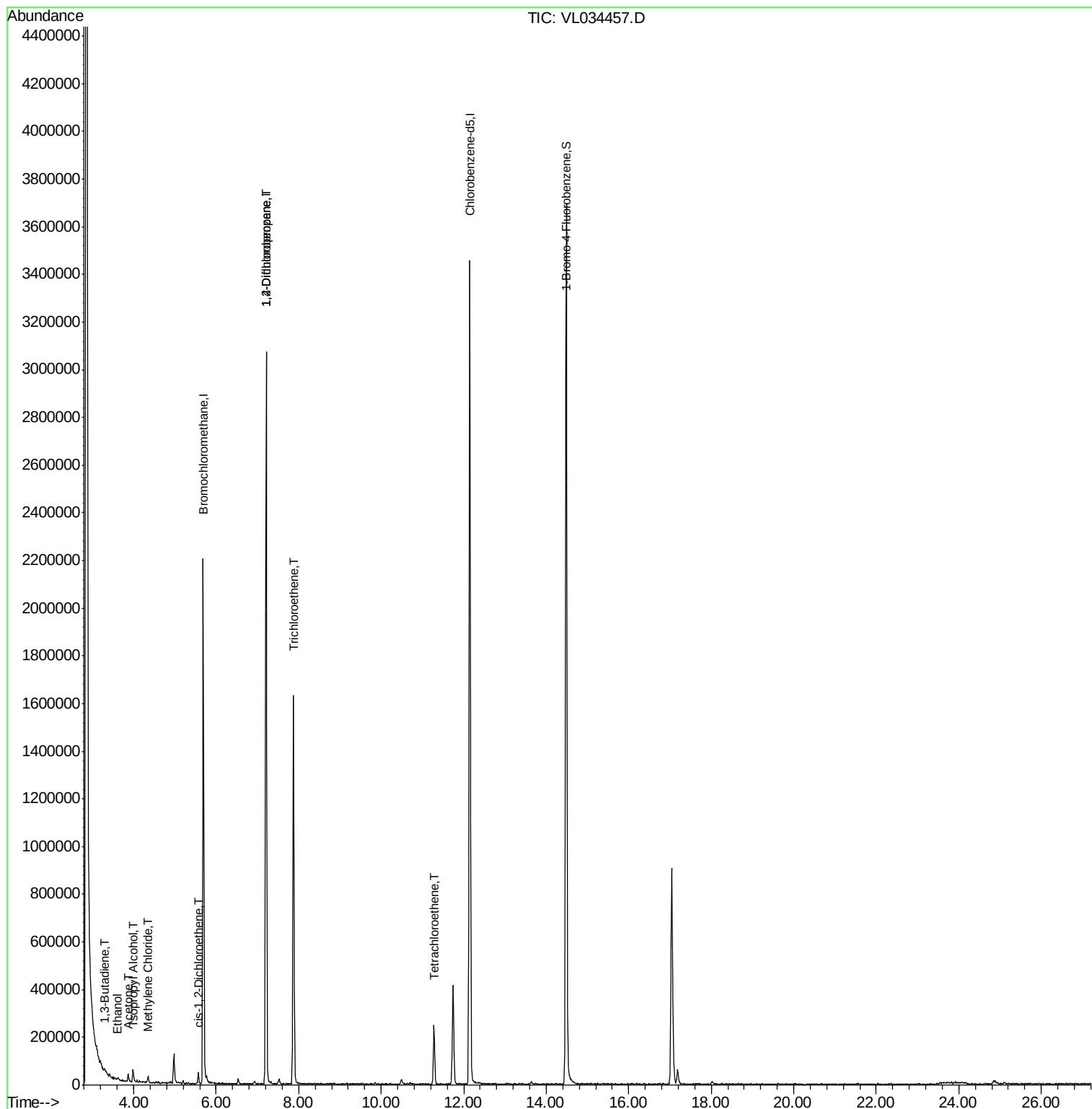
Quant Time: Dec 03 13:38:09 2019

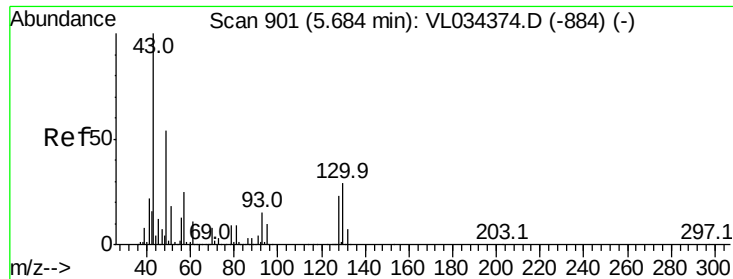
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M

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: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

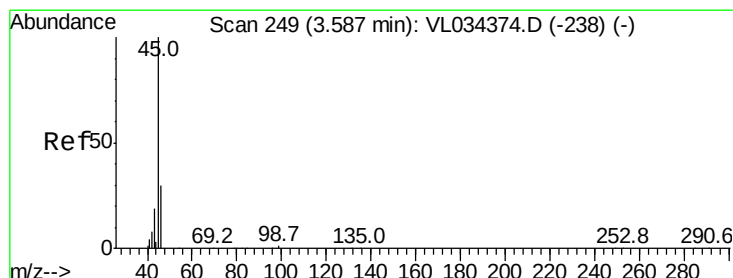
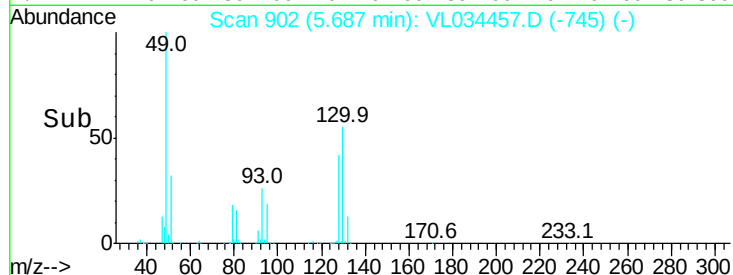
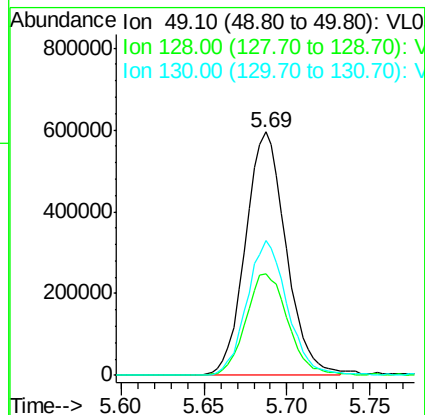
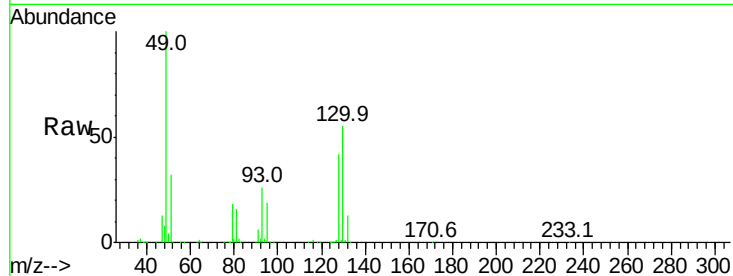
Tgt Ion: 49 Resp: 1010793

Ion Ratio Lower Upper

49 100

128 43.7 21.8 65.3

130 55.9 28.0 84.0



#13

Ethanol

Concen: 0.039 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL034457.D

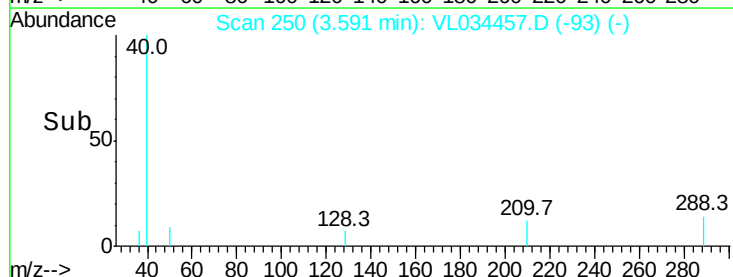
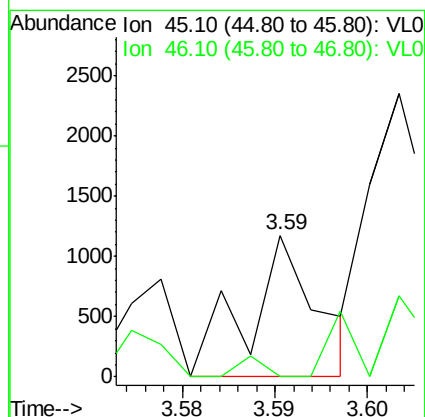
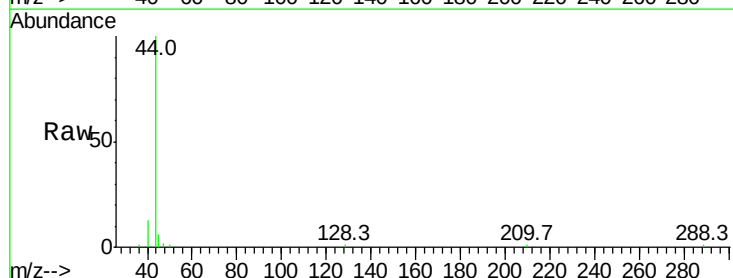
Acq: 3 Dec 2019 12:52

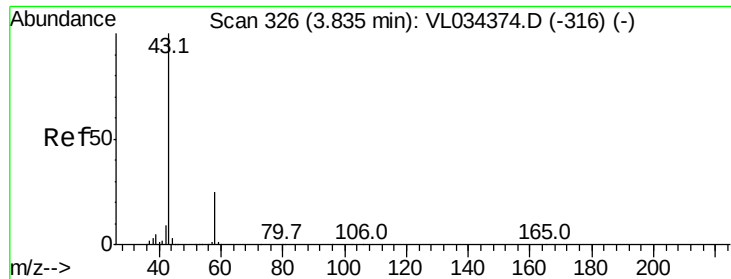
Tgt Ion: 45 Resp: 605

Ion Ratio Lower Upper

45 100

46 61.2 13.8 55.4#





#15

Acetone

Concen: 0.201 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

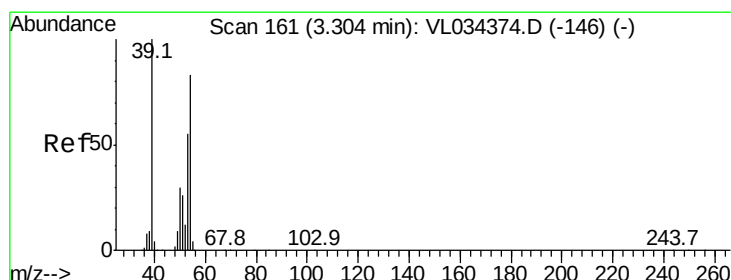
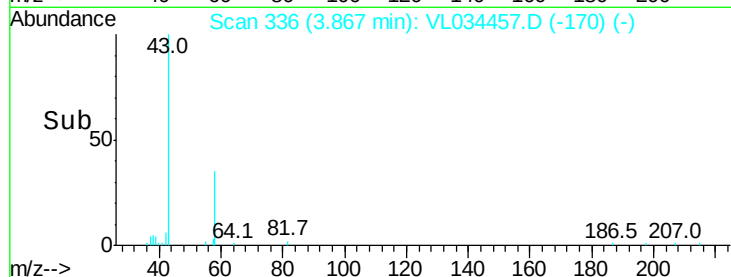
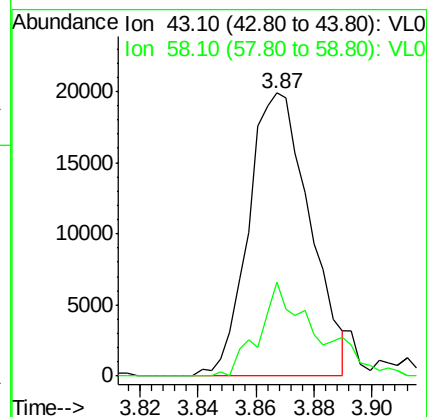
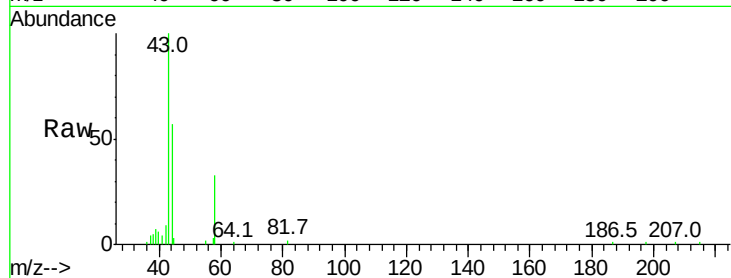
SV-3DL2

Tgt Ion: 43 Resp: 29054

Ion Ratio Lower Upper

43 100

58 31.4 20.2 30.4#



#16

1,3-Butadiene

Concen: 0.054 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.01 min

Lab File: VL034457.D

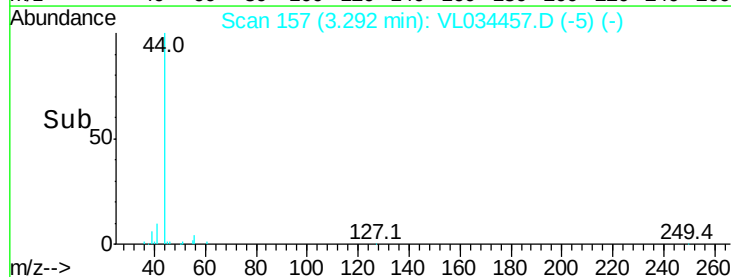
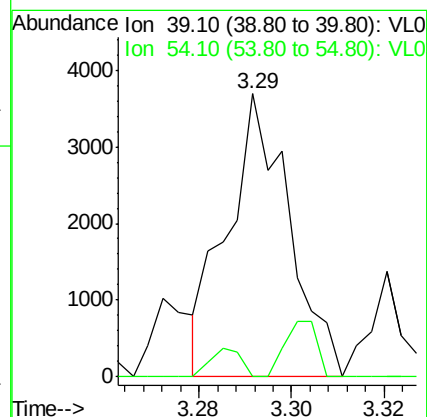
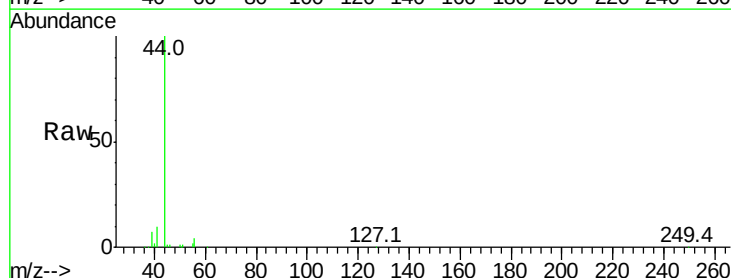
Acq: 3 Dec 2019 12:52

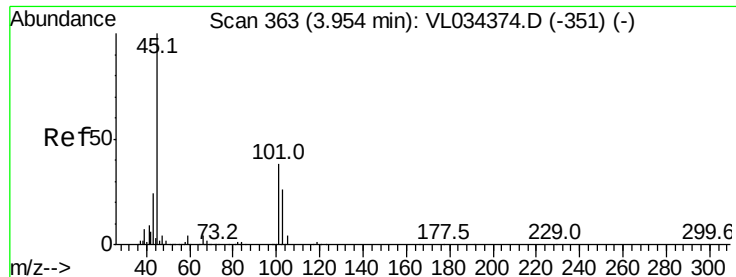
Tgt Ion: 39 Resp: 3394

Ion Ratio Lower Upper

39 100

54 15.4 64.7 97.1#





#19

Isopropyl Alcohol

Concen: 0.458 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

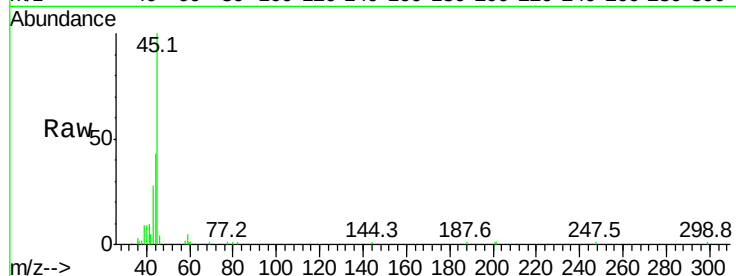
SV-3DL2

Tgt Ion: 45 Resp: 42507

Ion Ratio Lower Upper

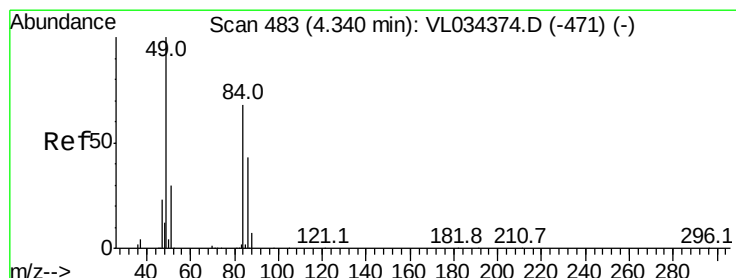
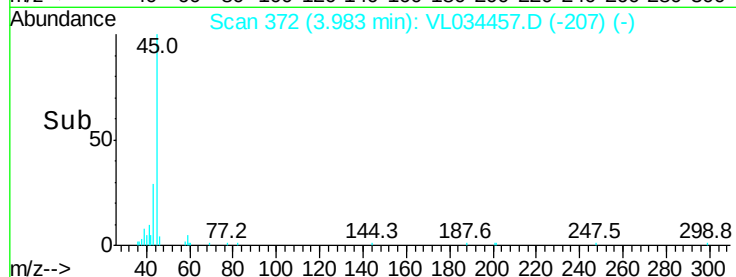
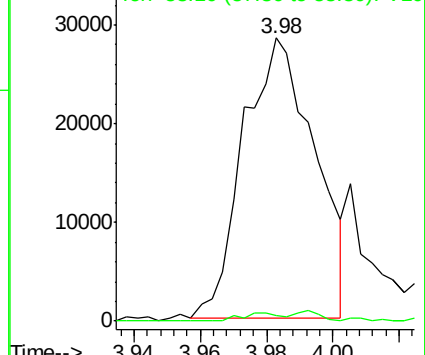
45 100

58 3.5 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.081 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Tgt Ion: 84 Resp: 4181

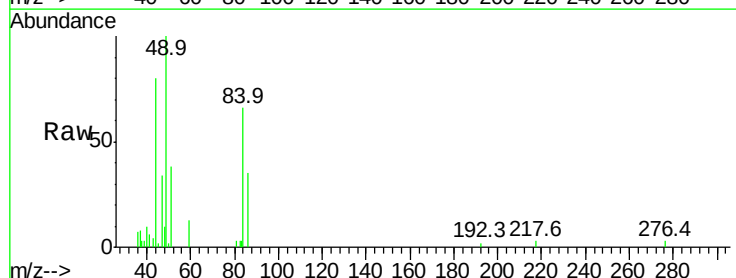
Ion Ratio Lower Upper

84 100

49 139.2 116.8 175.2

51 50.3 35.6 53.4

86 52.9 50.7 76.1

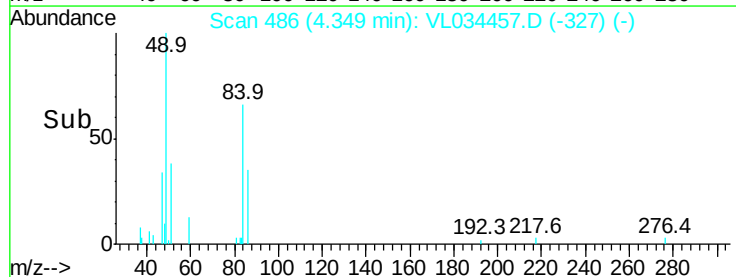
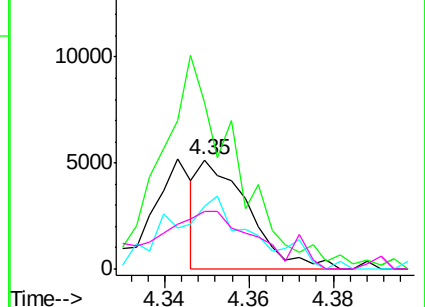


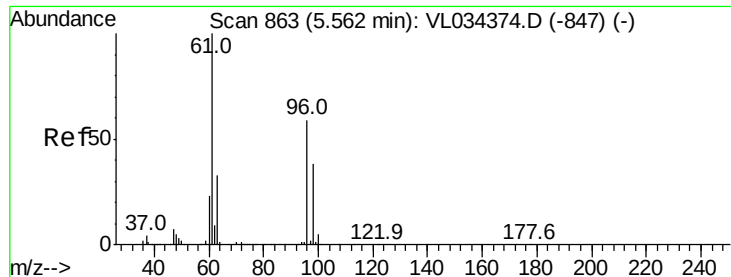
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#31

cis-1,2-Dichloroethene

Concen: 0.097 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.00 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

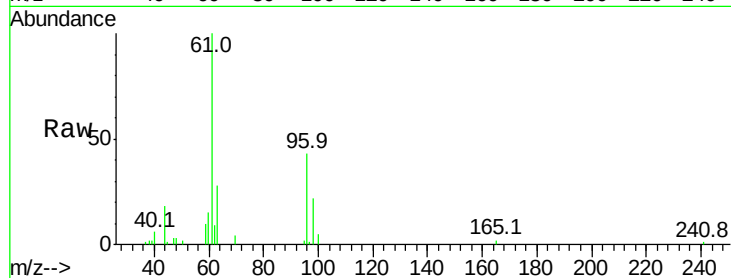
Tgt Ion: 61 Resp: 11122

Ion Ratio Lower Upper

61 100

96 40.3 47.4 71.2#

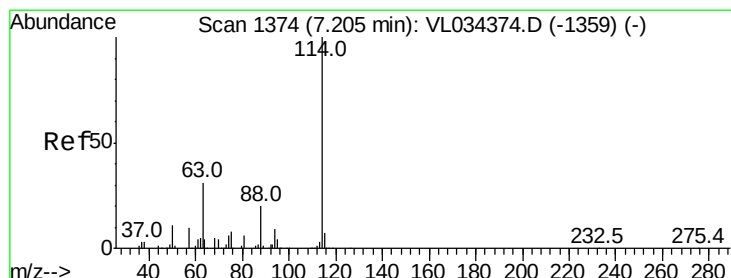
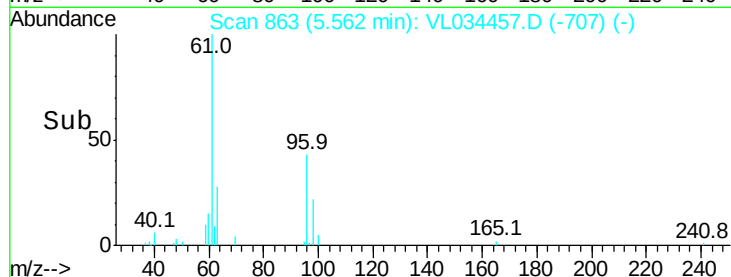
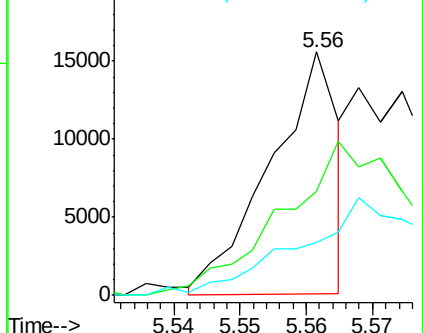
98 21.1 30.6 45.8#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

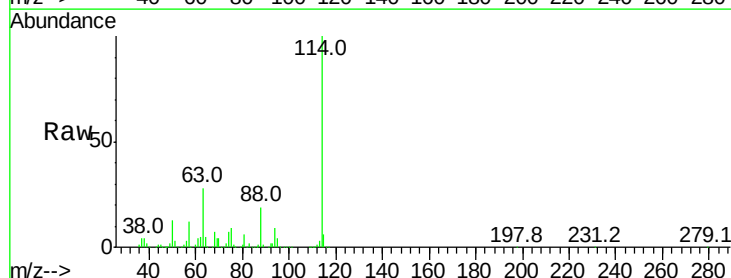
Tgt Ion: 114 Resp: 1991393

Ion Ratio Lower Upper

114 100

63 29.7 24.2 36.4

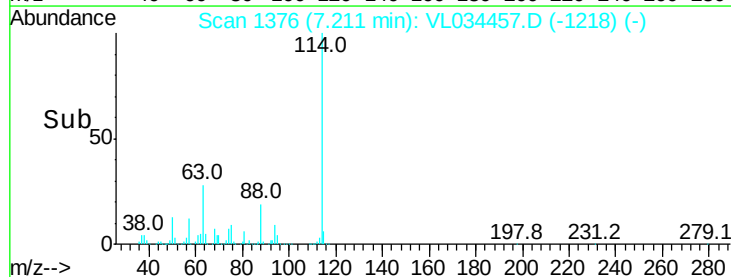
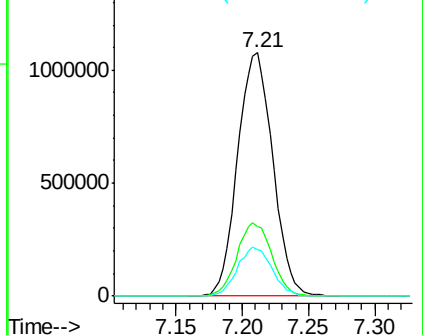
88 19.7 15.9 23.9

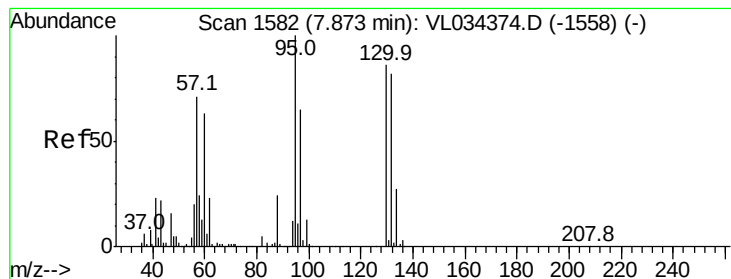


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 5.550 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

Tgt Ion:130 Resp: 453362

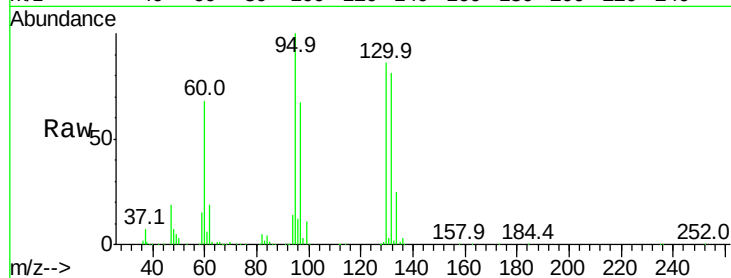
Ion Ratio Lower Upper

130 100

95 115.9 93.4 140.0

132 93.3 76.4 114.6

97 77.8 61.1 91.7

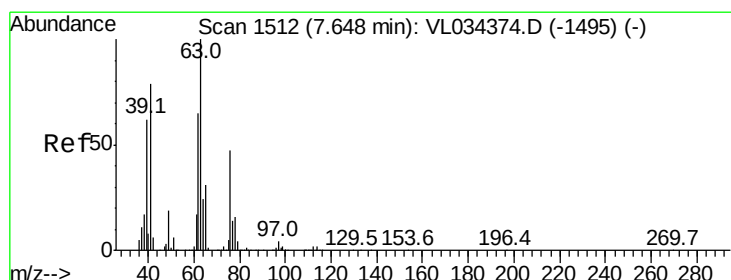
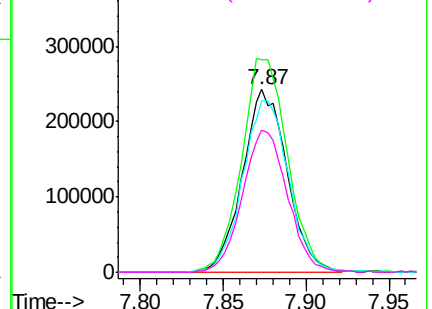
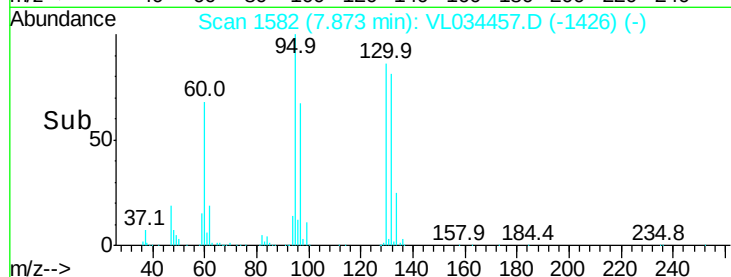


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.674 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.44 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

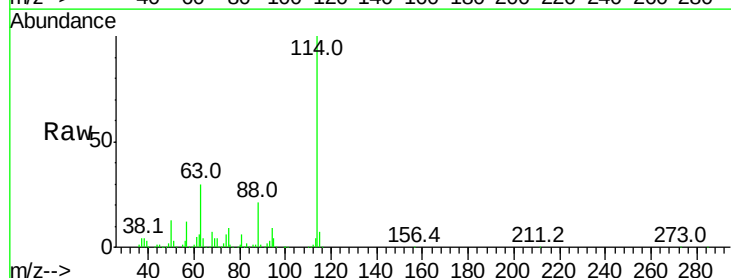
Tgt Ion: 63 Resp: 588529

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

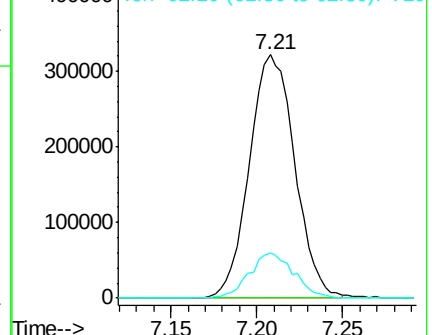
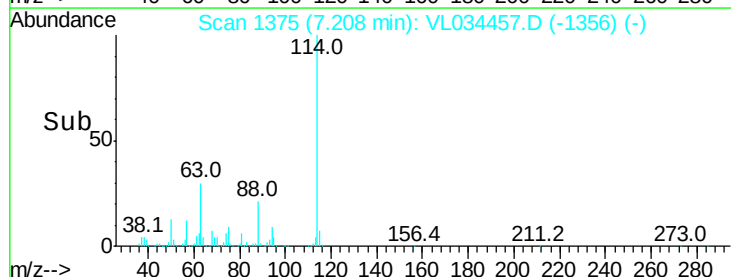
62 18.7 52.3 78.5#

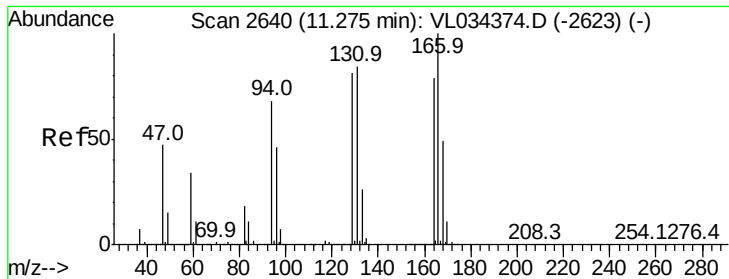


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.629 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

Instrument :

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ClientSampleId :

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Tgt Ion:164 Resp: 54146

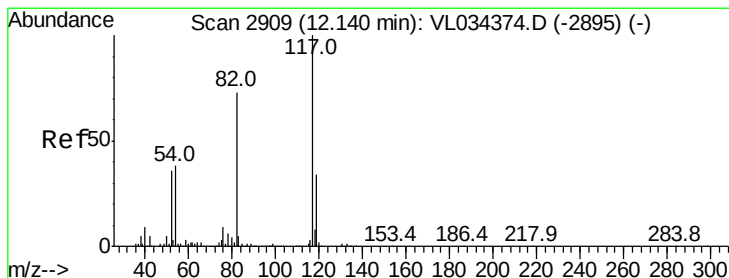
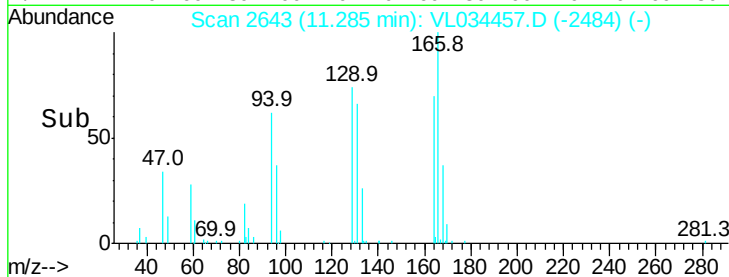
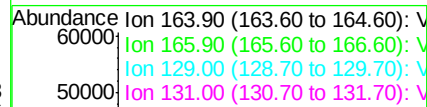
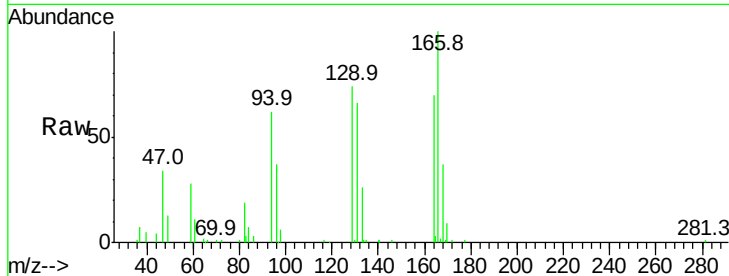
Ion Ratio Lower Upper

164 100

166 141.2 101.7 152.5

129 105.3 82.6 123.8

131 92.7 85.2 127.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL034457.D

Acq: 3 Dec 2019 12:52

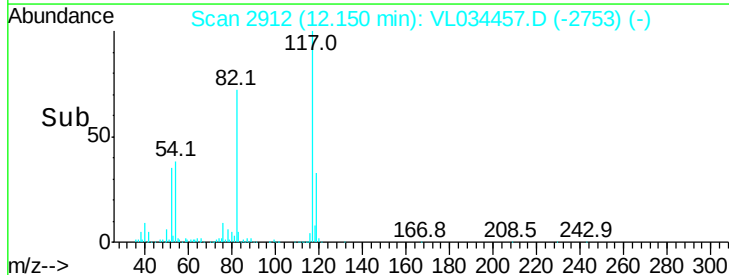
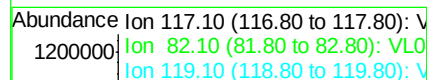
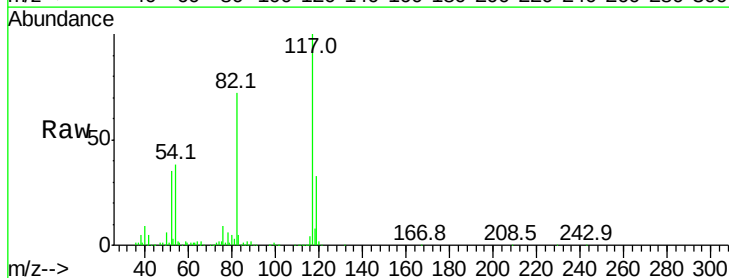
Tgt Ion:117 Resp: 1985708

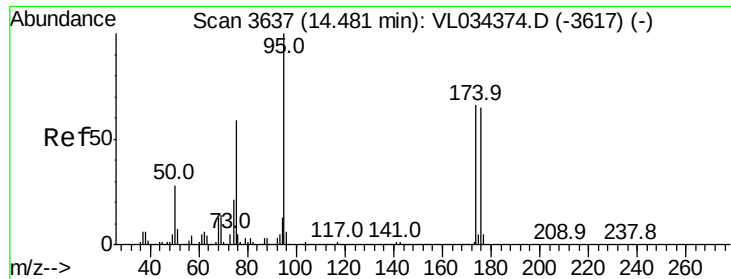
Ion Ratio Lower Upper

117 100

82 72.3 57.5 86.3

119 32.5 25.4 38.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.978 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.00 min

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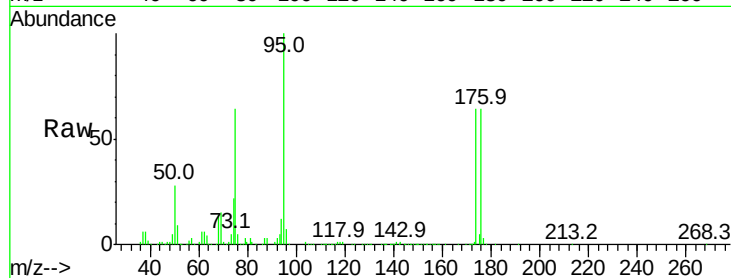
Tgt Ion: 95 Resp: 1666856

Ion Ratio Lower Upper

95 100

174 64.6 52.2 78.2

175 4.9 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

