

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032949.D
 Acq On : 8 Dec 2018 00:21
 Operator : SY/AP
 Sample : J6262-03DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Dec 08 04:40:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1351710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3456384	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3194612	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2488688	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

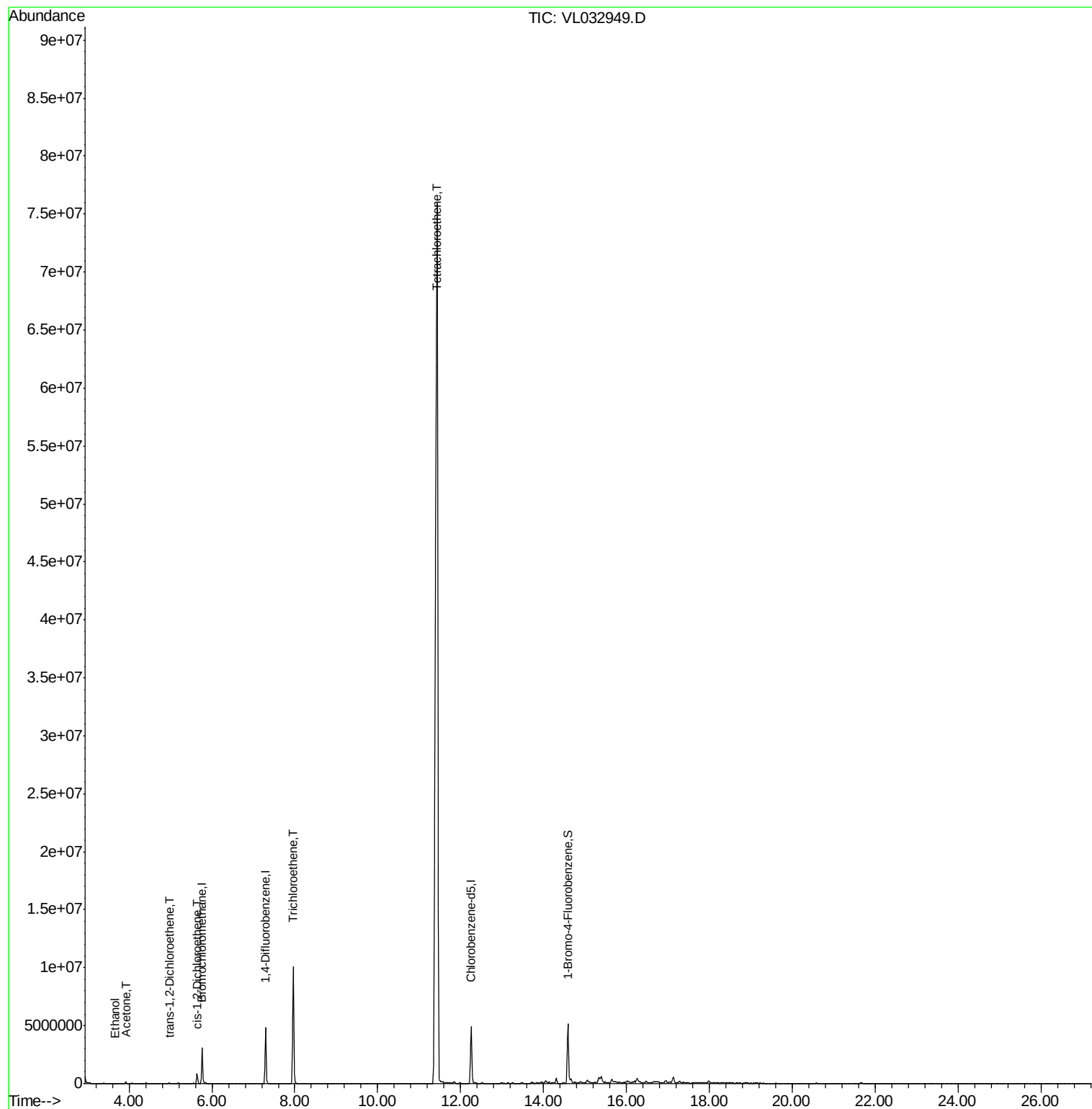
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.67	45	19505	1.400	ppbv	97
15) Acetone	3.92	43	180726	1.558	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	32307	0.458	ppbv	94
31) cis-1,2-Dichloroethene	5.64	61	466582	4.018	ppbv	99
38) Trichloroethene	7.96	130	3279962	31.002	ppbv	98
52) Tetrachloroethene	11.44	164	34944836	377.886	ppbv	87

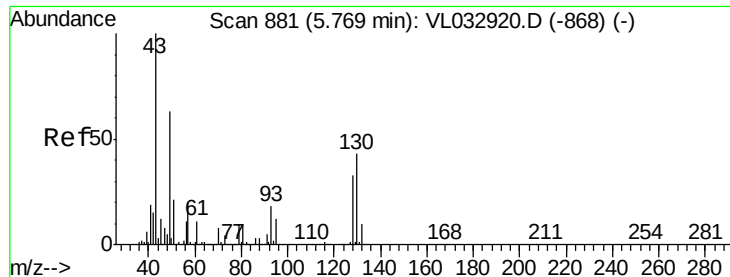
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

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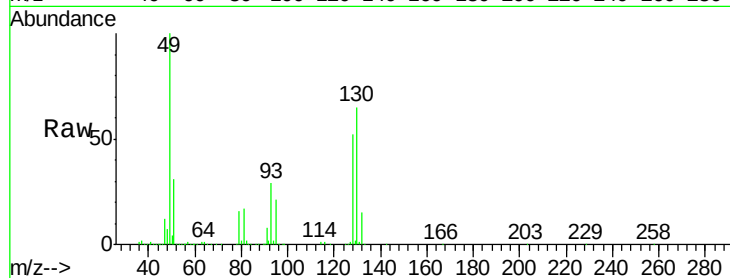
Tgt Ion: 49 Resp: 1351710

Ion Ratio Lower Upper

49 100

128 52.8 26.3 78.8

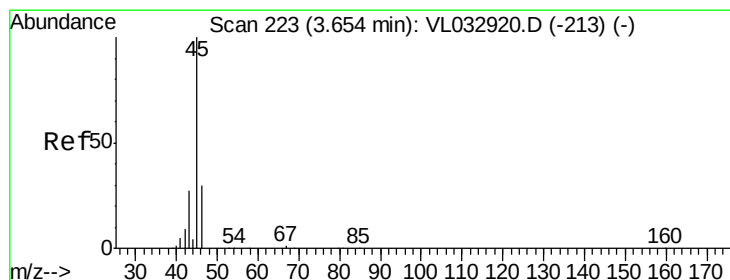
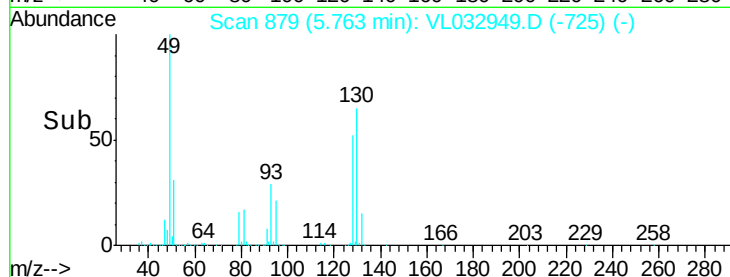
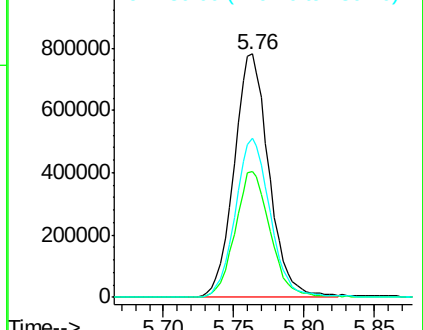
130 66.0 33.9 101.7



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



#13

Ethanol

Concen: 1.400 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VL032949.D

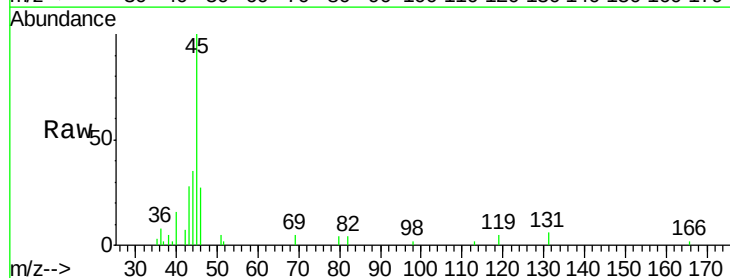
Acq: 8 Dec 2018 00:21

Tgt Ion: 45 Resp: 19505

Ion Ratio Lower Upper

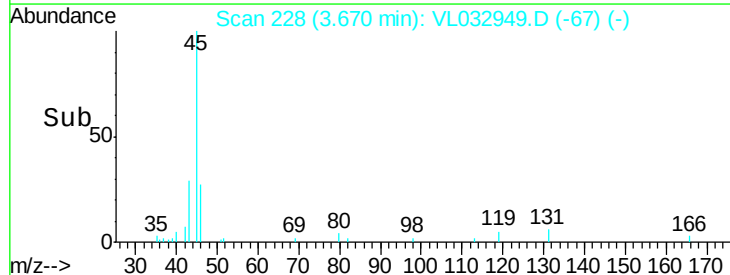
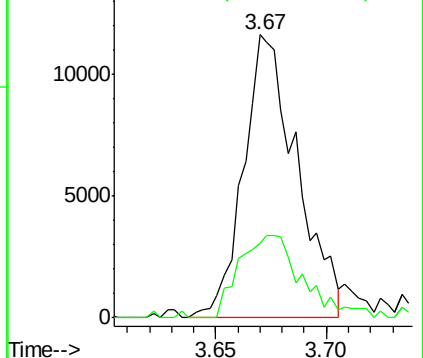
45 100

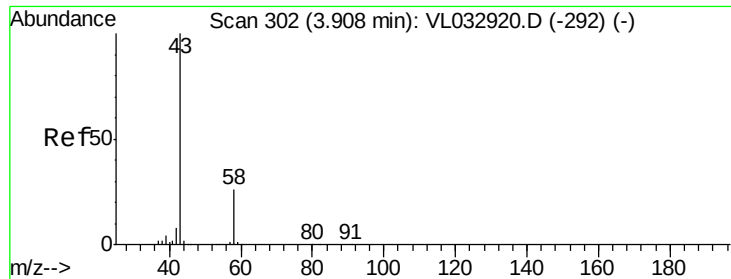
46 36.4 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.558 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

Instrument :

MSVOA_L

ClientSampleId :

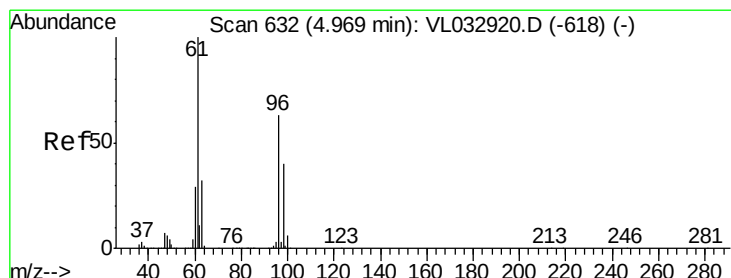
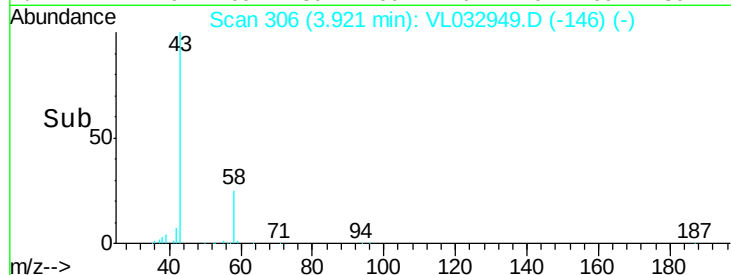
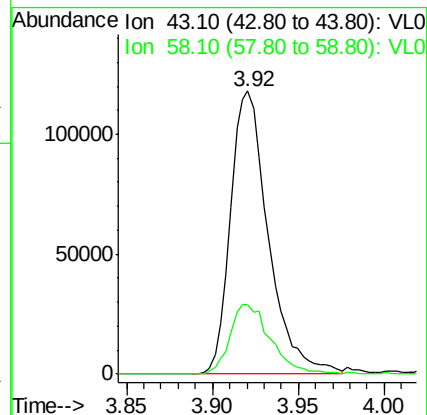
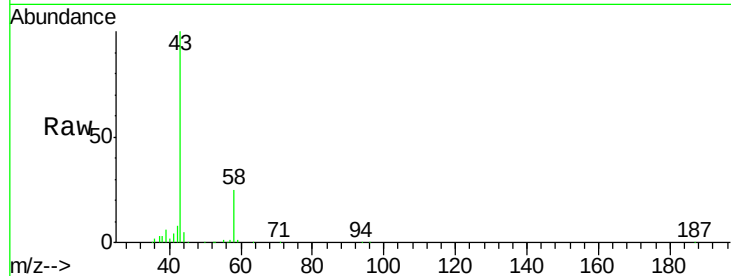
SV1DL

Tgt Ion: 43 Resp: 180726

Ion Ratio Lower Upper

43 100

58 26.6 20.6 30.8



#22

trans-1,2-Dichloroethene

Concen: 0.458 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

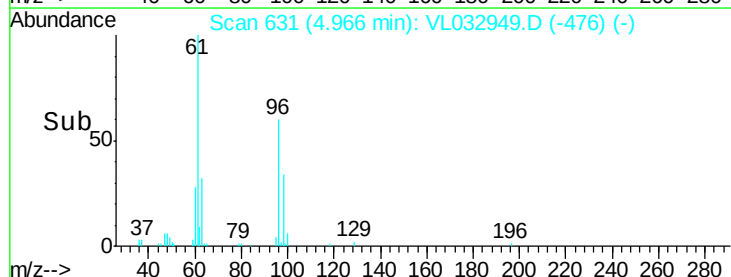
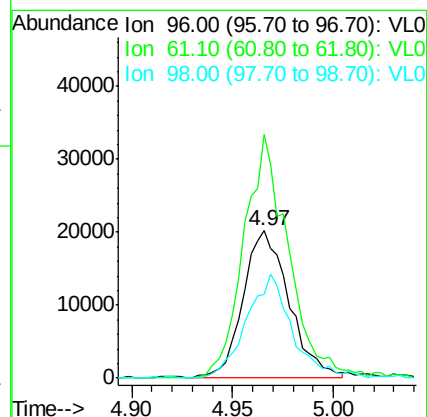
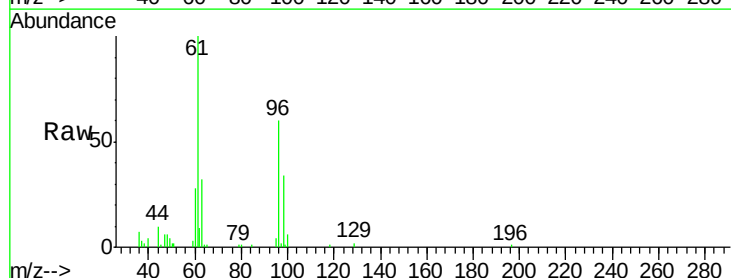
Tgt Ion: 96 Resp: 32307

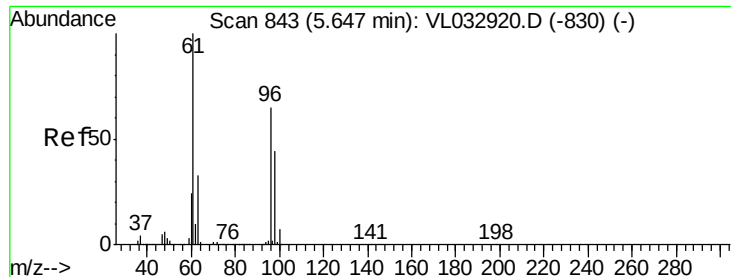
Ion Ratio Lower Upper

96 100

61 165.4 127.1 190.7

98 56.8 51.3 76.9



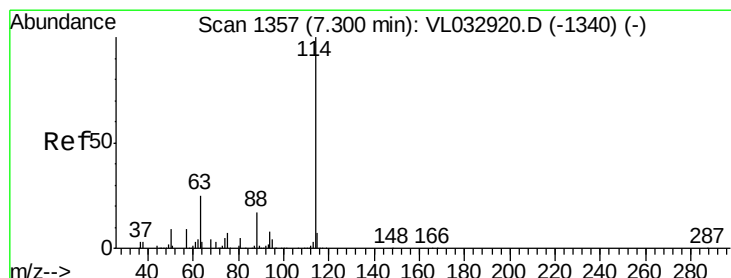
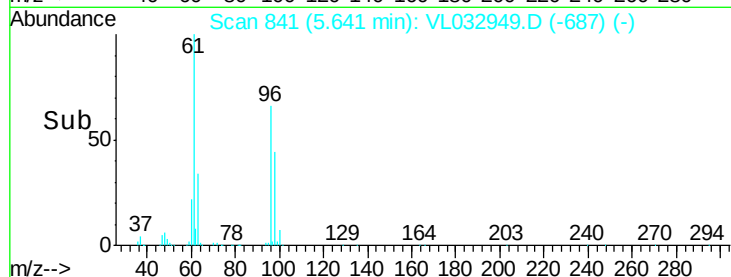
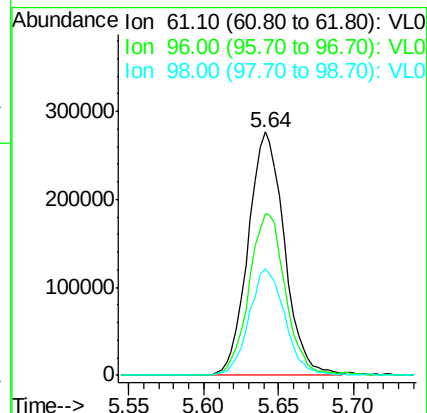
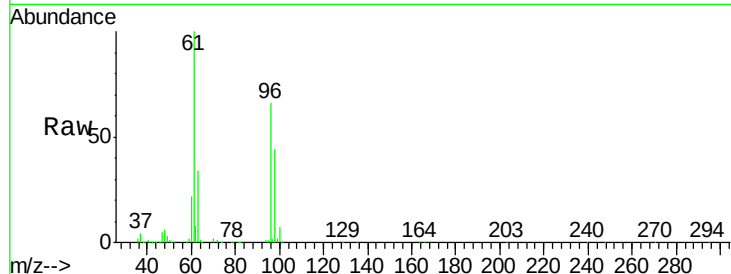


#31

cis-1,2-Dichloroethene
 Concen: 4.018 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: VL032949.D
 Acq: 8 Dec 2018 00:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

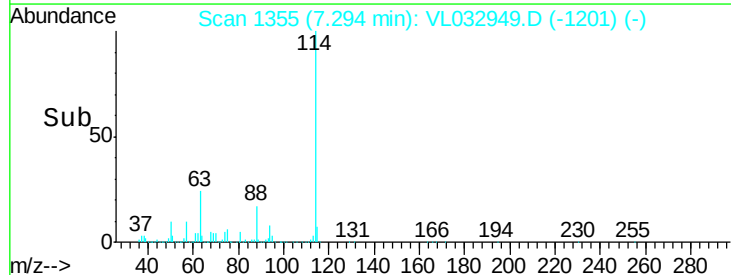
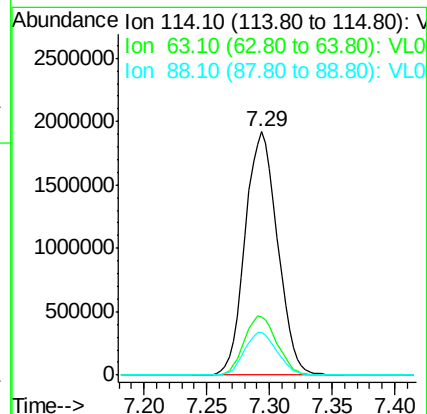
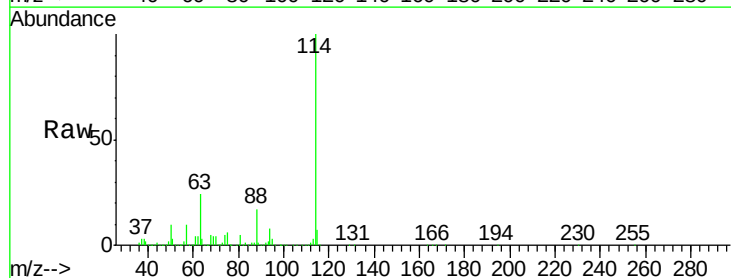
Tgt Ion: 61 Resp: 466582
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.9 77.9
 98 43.7 35.0 52.4

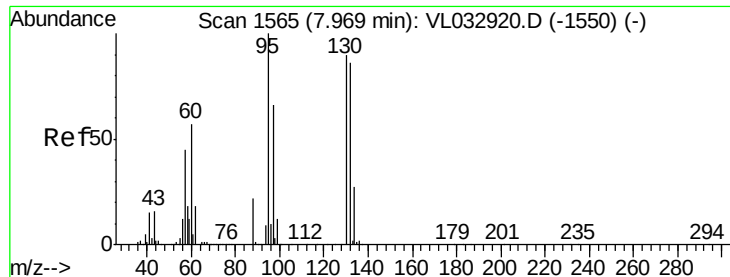


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032949.D
 Acq: 8 Dec 2018 00:21

Tgt Ion: 114 Resp: 3456384
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.1 30.1
 88 17.7 14.2 21.4





#38

Trichloroethene

Concen: 31.002 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:130 Resp: 3279962

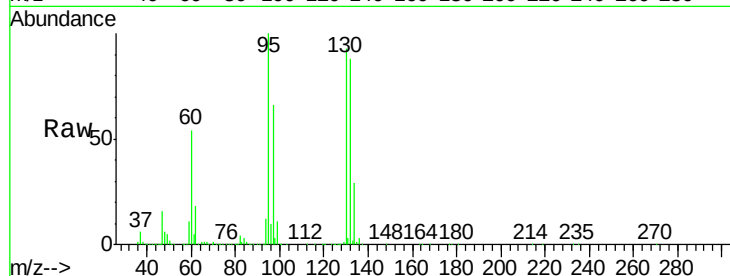
Ion Ratio Lower Upper

130 100

95 108.0 88.6 132.8

132 95.4 76.1 114.1

97 71.2 58.0 87.0

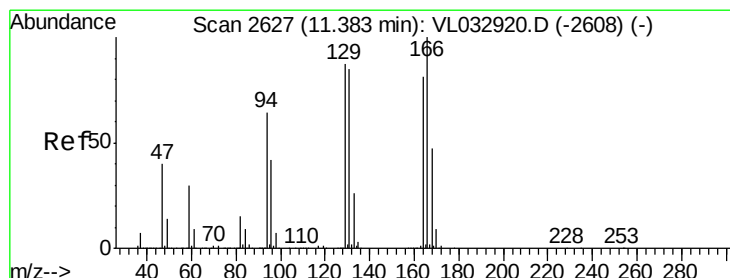
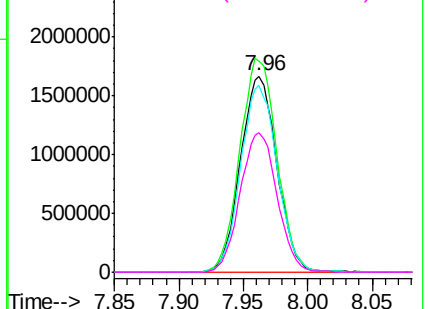
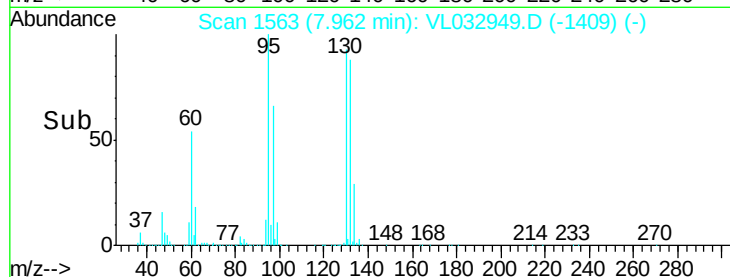


Abundance Ion 130.00 (129.70 to 130.70): V

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



#52

Tetrachloroethene

Concen: 377.886 ppbv

RT: 11.44 min Scan# 2644

Delta R.T. 0.05 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

Tgt Ion:164 Resp:34944836

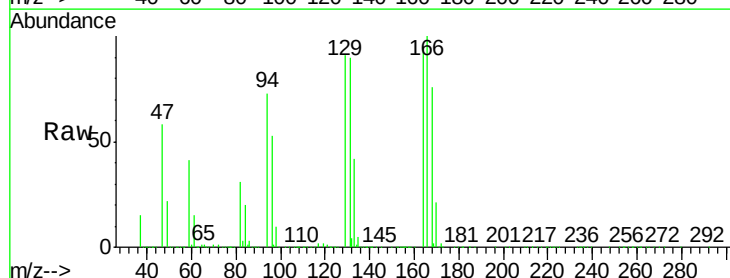
Ion Ratio Lower Upper

164 100

166 104.8 98.8 148.2

129 95.9 85.5 128.3

131 94.5 84.4 126.6

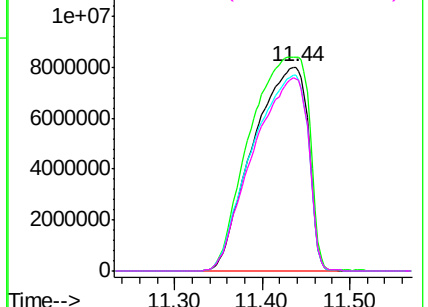
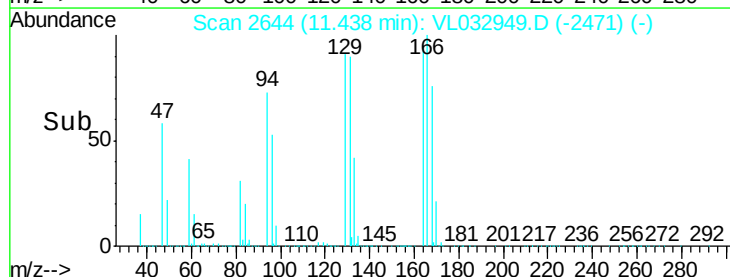


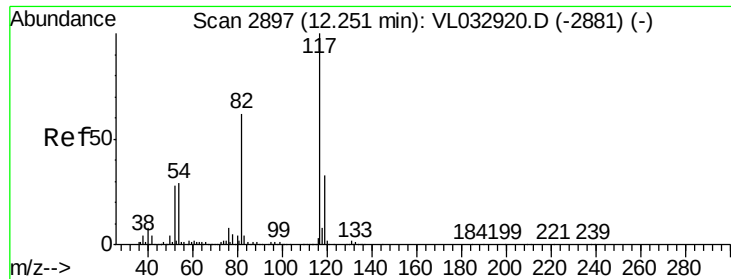
Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

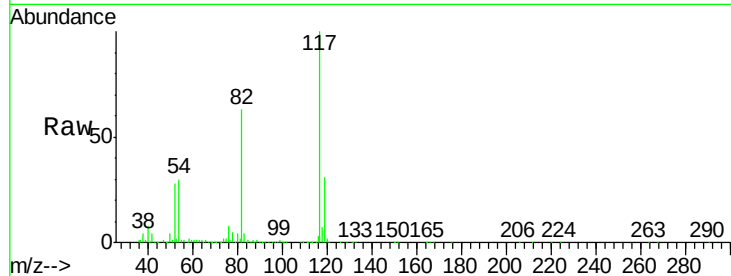
Tgt Ion: 117 Resp: 3194612

Ion Ratio Lower Upper

117 100

82 64.8 47.8 71.8

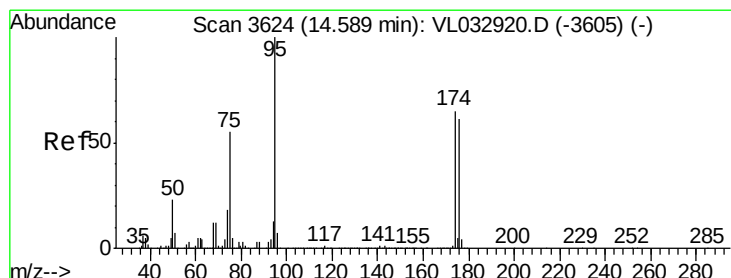
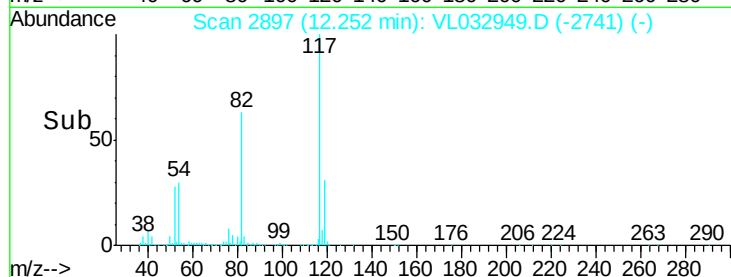
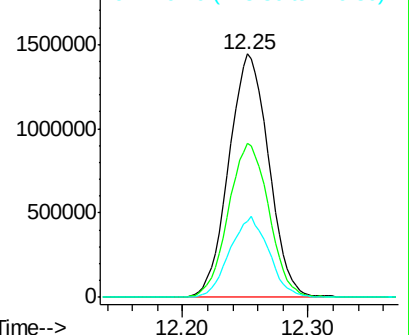
119 32.5 43.1 64.7#



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: 10.545 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032949.D

Acq: 8 Dec 2018 00:21

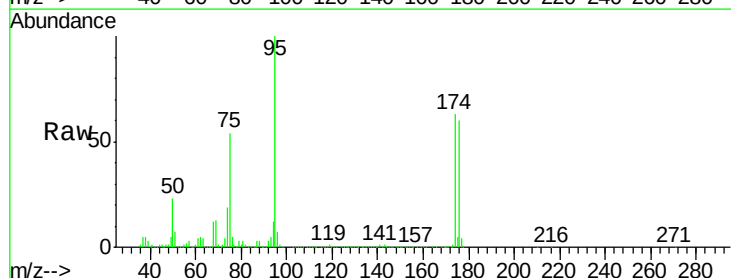
Tgt Ion: 95 Resp: 2488688

Ion Ratio Lower Upper

95 100

174 65.5 51.4 77.0

175 4.8 3.8 5.6



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

