

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035031.D
 Acq On : 14 May 2020 22:13
 Operator : SY/AP
 Sample : L2566-05DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL2

Quant Time: May 15 05:18:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1155705	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2672740	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2534779	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2101251	10.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

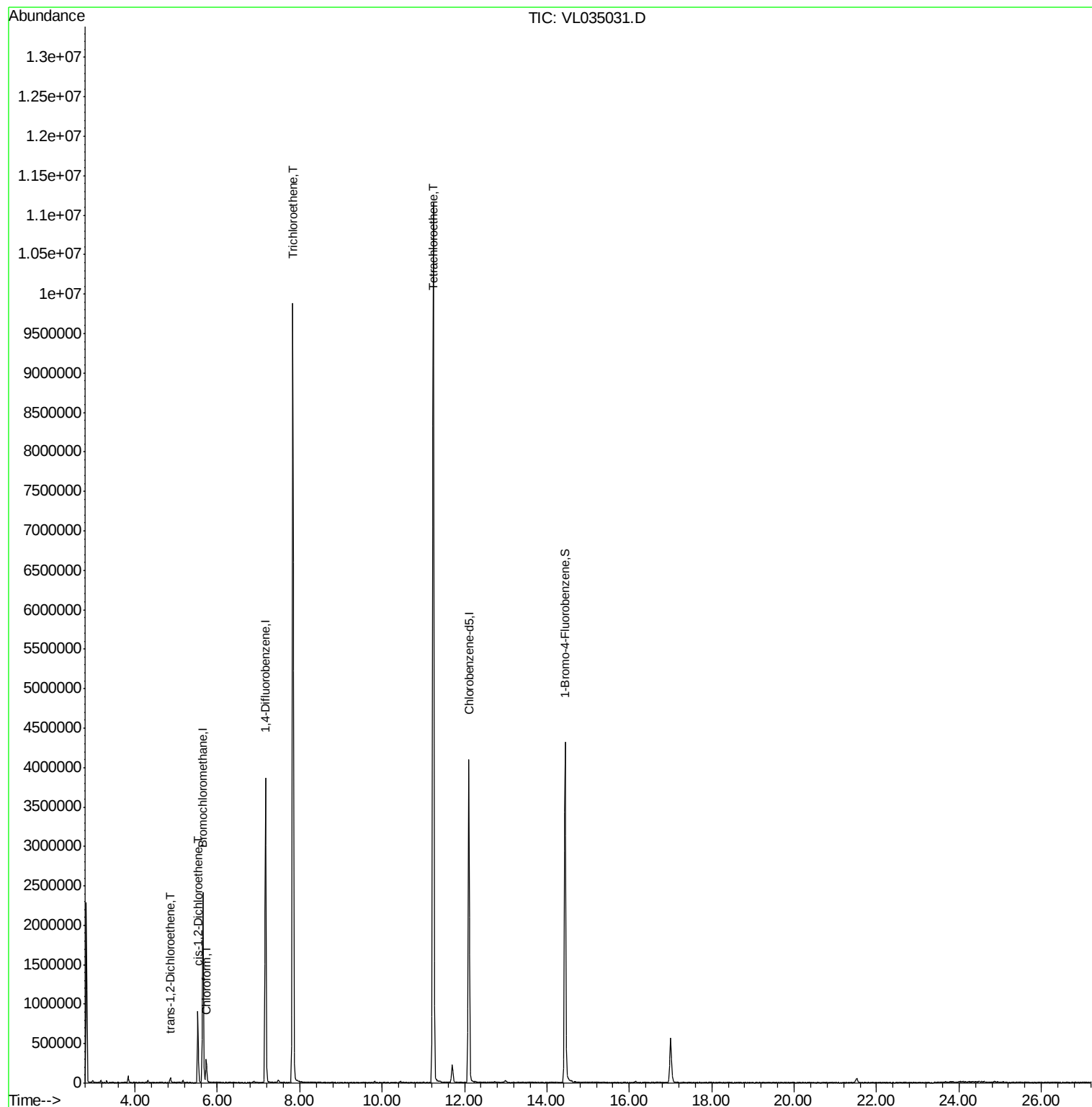
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
22) trans-1,2-Dichloroethene	4.86	96	20222	0.391	ppbv	85
29) Chloroform	5.73	83	190262	1.045	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	481163	4.432	ppbv	94
38) Trichloroethene	7.83	130	3226747	37.798	ppbv	97
52) Tetrachloroethene	11.24	164	2996954	38.249	ppbv	98

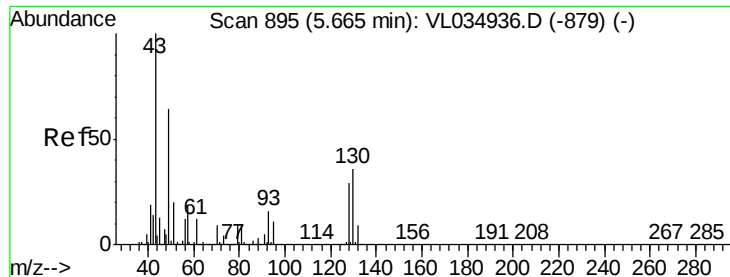
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

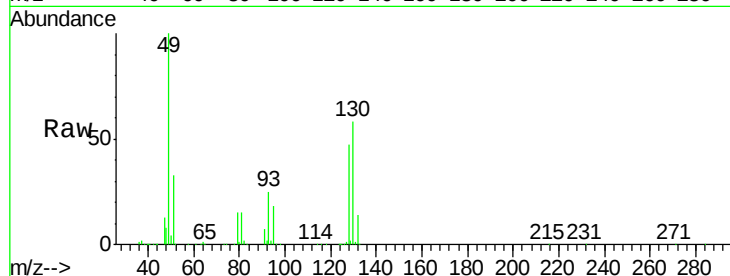
Tot Ion: 49 Resp: 1155705

Ion Ratio Lower Upper

49 100

128 45.7 22.1 66.5

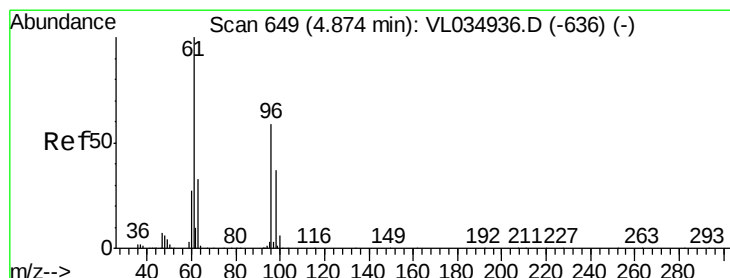
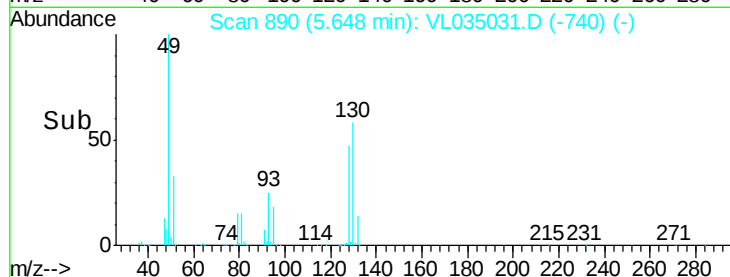
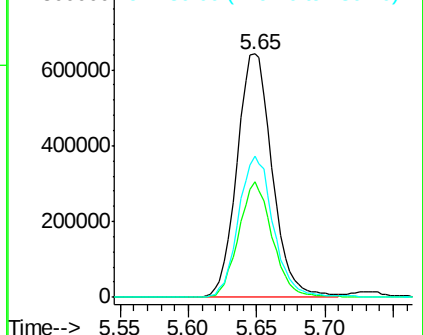
130 57.5 29.1 87.3



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



#22

trans-1,2-Dichloroethene

Concen: 0.391 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

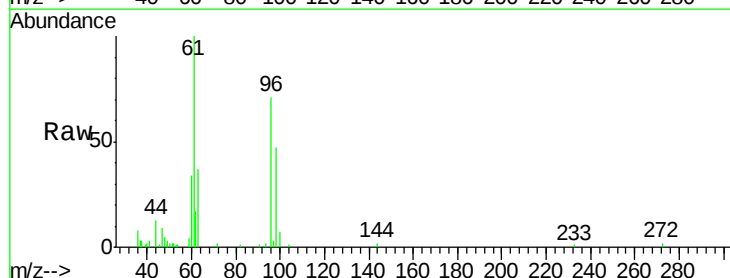
Tgt Ion: 96 Resp: 20222

Ion Ratio Lower Upper

96 100

61 141.6 135.3 202.9

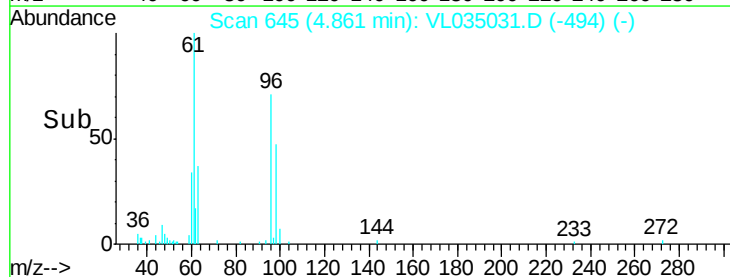
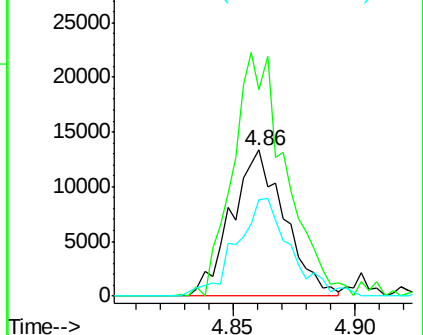
98 63.4 50.4 75.6

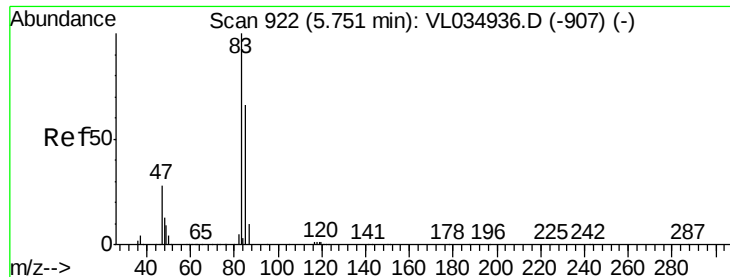


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#29

Chloroform

Concen: 1.045 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

Instrument :

MSVOA_L

ClientSampleId :

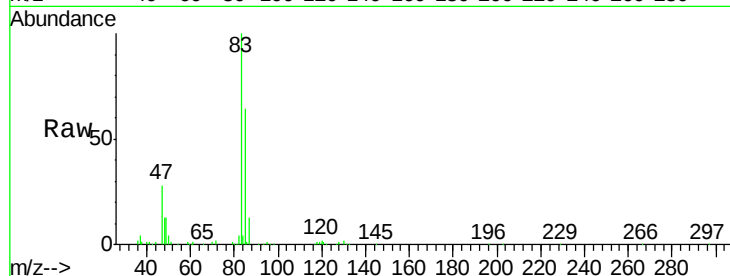
SG-1DL2

Tot Ion: 83 Resp: 190262

Ion Ratio Lower Upper

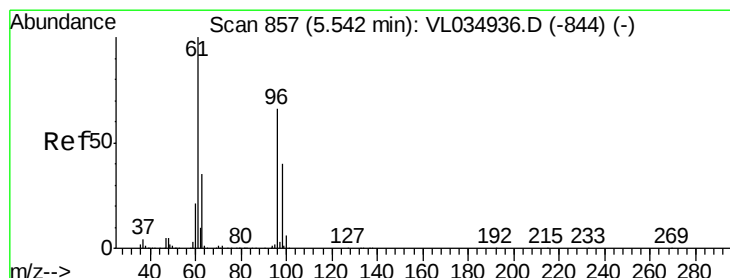
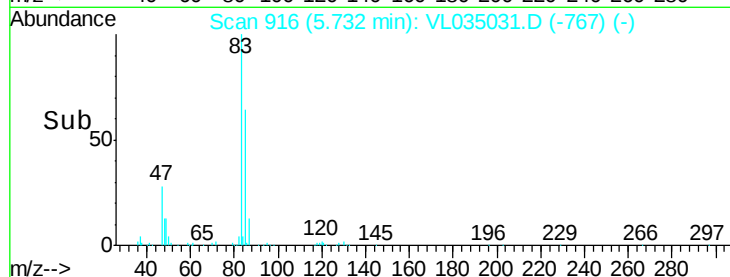
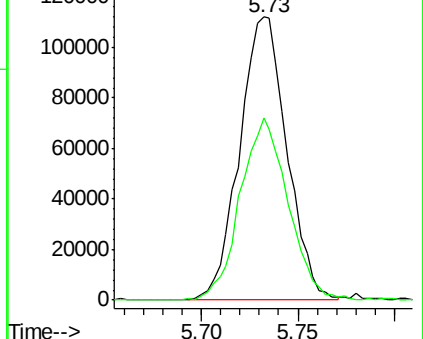
83 100

85 63.8 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#31

cis-1,2-Dichloroethene

Concen: 4.432 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.01 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

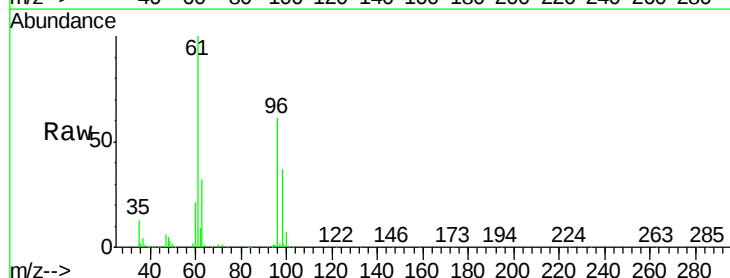
Tgt Ion: 61 Resp: 481163

Ion Ratio Lower Upper

61 100

96 60.8 53.0 79.6

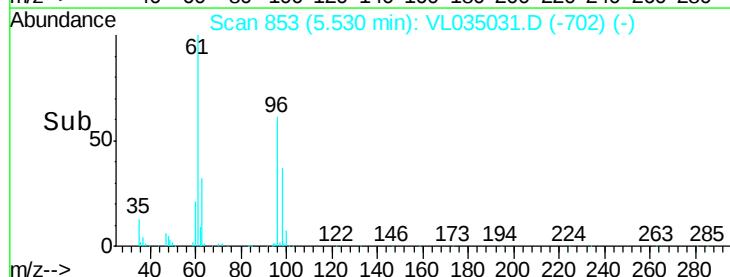
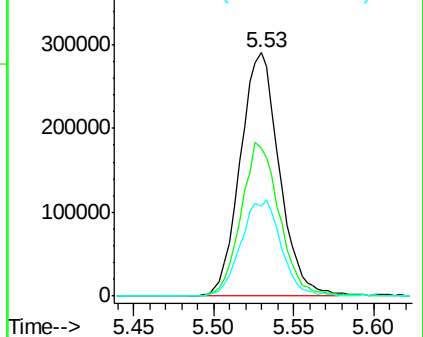
98 36.9 32.2 48.2

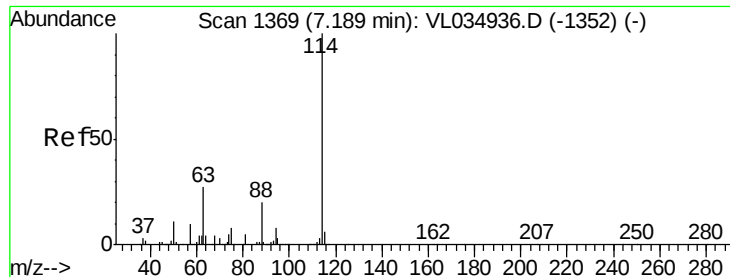


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

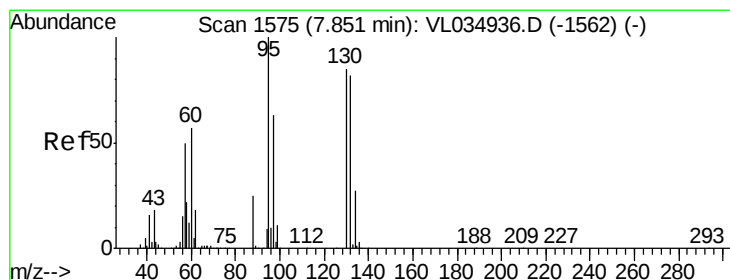
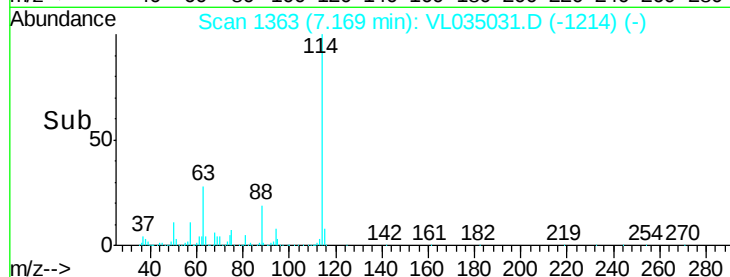
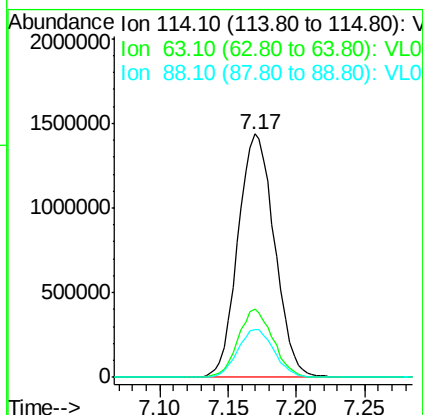
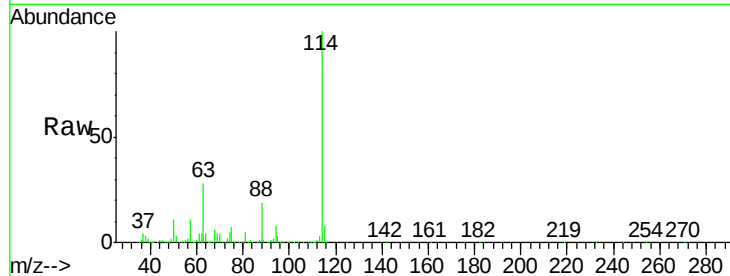




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035031.D
 Acq: 14 May 2020 22:13

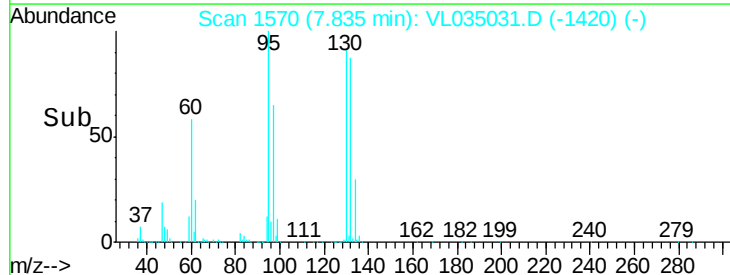
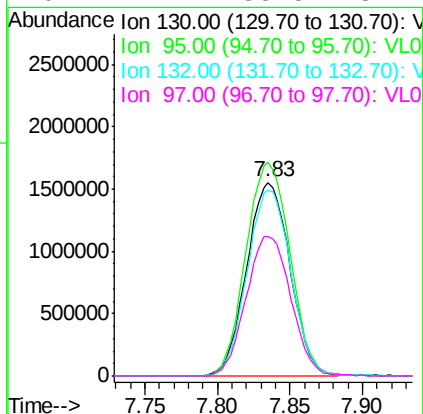
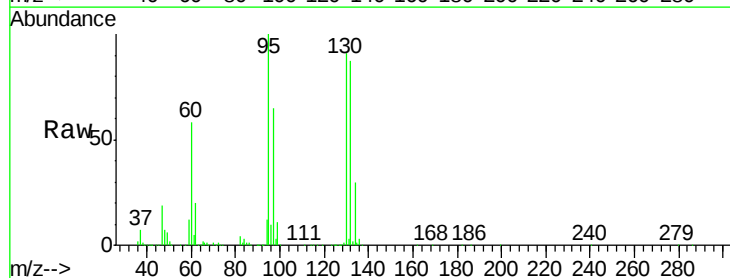
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL2

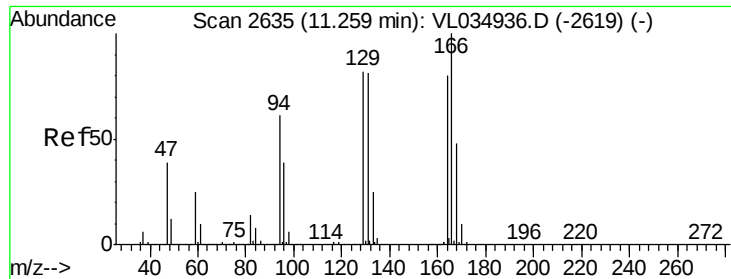
Tot Ion:114 Resp: 2672740
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.2 33.4
 88 19.6 15.5 23.3



#38
 Trichloroethene
 Concen: 37.798 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035031.D
 Acq: 14 May 2020 22:13

Tgt Ion:130 Resp: 3226747
 Ion Ratio Lower Upper
 130 100
 95 110.3 93.4 140.0
 132 96.0 76.4 114.6
 97 72.1 58.5 87.7





#52

Tetrachloroethene

Concen: 38.249 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.02 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

Tot Ion:164 Resp: 2996954

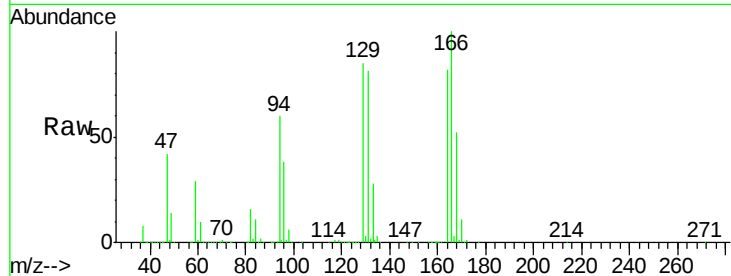
Ion Ratio Lower Upper

164 100

166 121.8 100.7 151.1

129 103.1 83.0 124.4

131 98.3 81.0 121.4

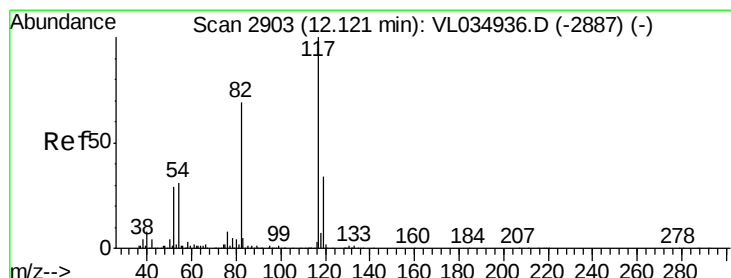
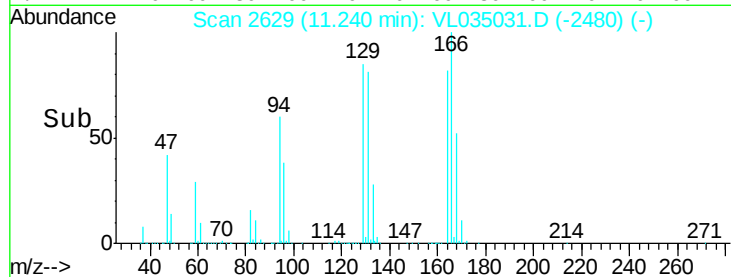
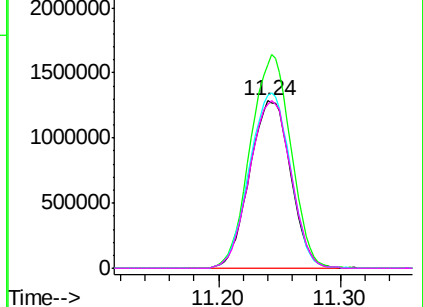


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.10 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

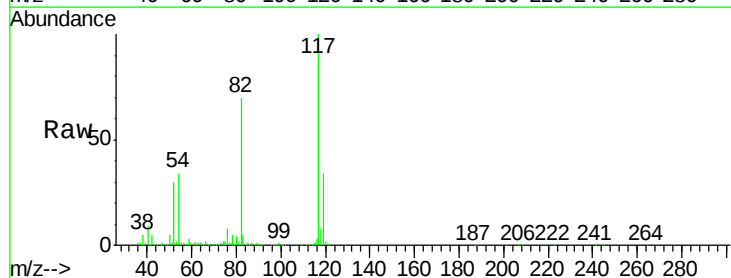
Tgt Ion:117 Resp: 2534779

Ion Ratio Lower Upper

117 100

82 69.2 53.1 79.7

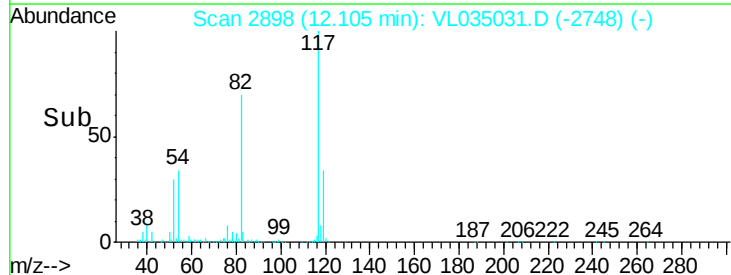
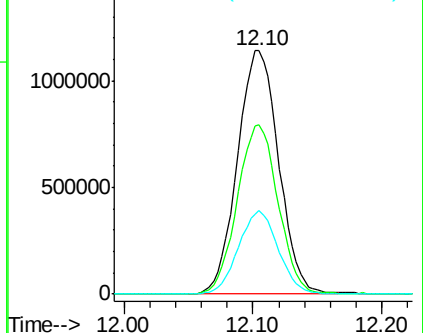
119 33.1 26.7 40.1

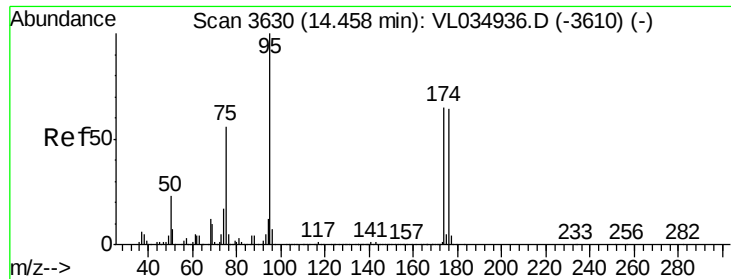


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.241 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035031.D

Acq: 14 May 2020 22:13

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

Tot Ion: 95 Resp: 2101251

Ion Ratio Lower Upper

95 100

174 65.4 51.5 77.3

175 5.2 3.8 5.8

