

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035688.D
 Acq On : 21 Sep 2020 16:28
 Operator : SY/AP
 Sample : L3983-02DL 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

Quant Time: Sep 22 03:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1038259	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3979275	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4045886	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3018508	10.51	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

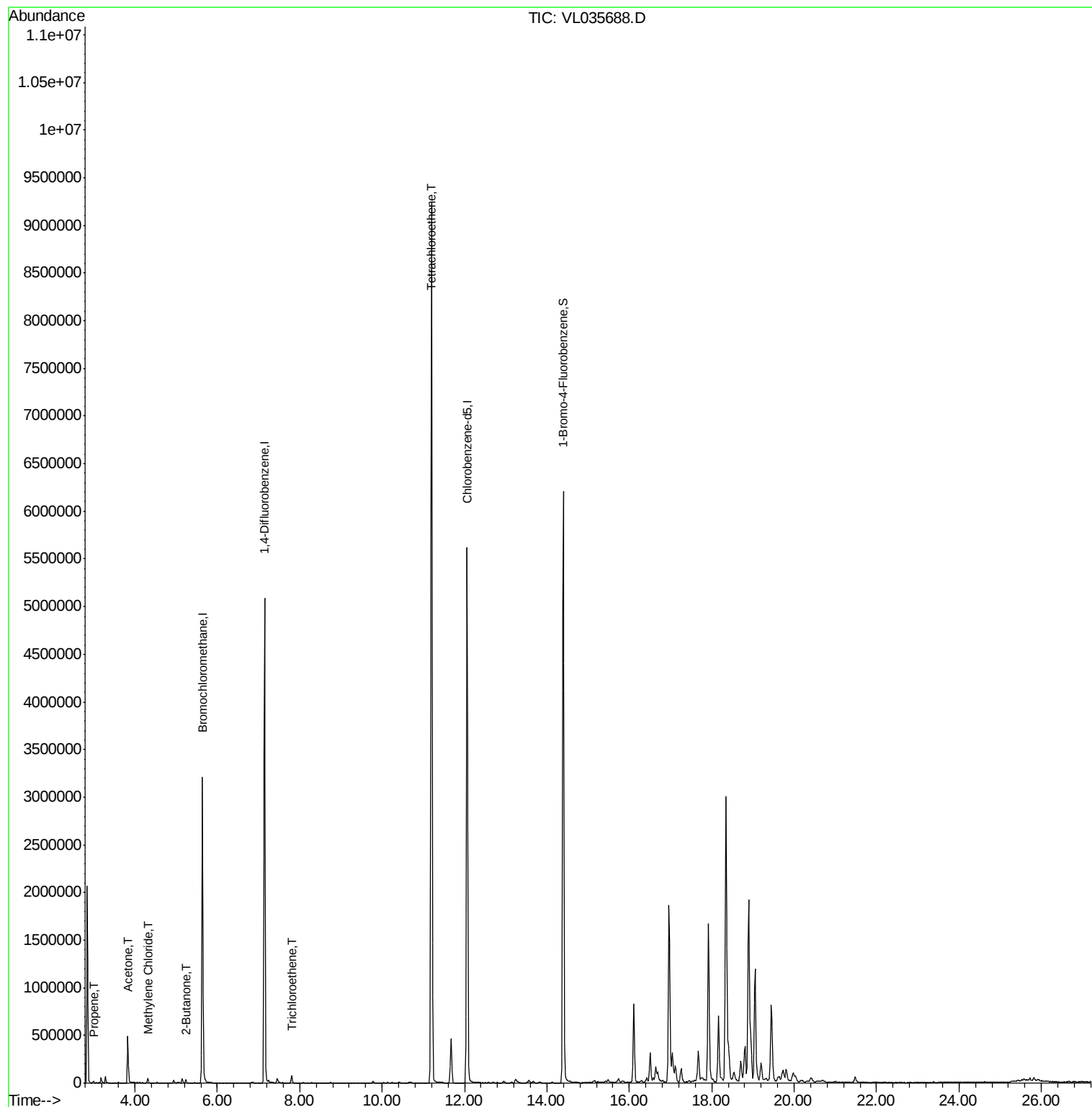
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	5279	0.119	ppbv	96
15) Acetone	3.83	43	485400	4.239	ppbv	98
20) Methylene Chloride	4.32	84	17949	0.210	ppbv	92
34) 2-Butanone	5.24	43	30794	0.261	ppbv	94
38) Trichloroethene	7.80	130	27290	0.182	ppbv	94
52) Tetrachloroethene	11.20	164	2559722	17.010	ppbv	96

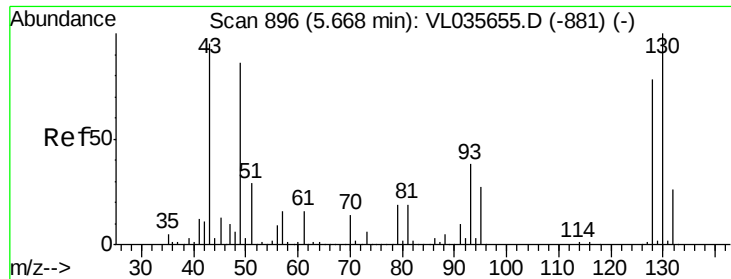
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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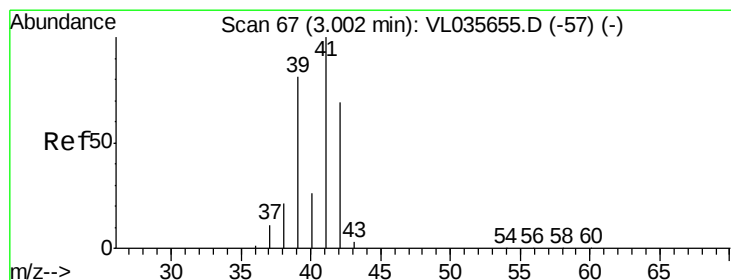
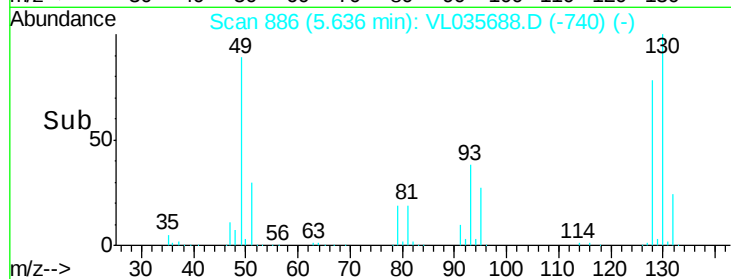
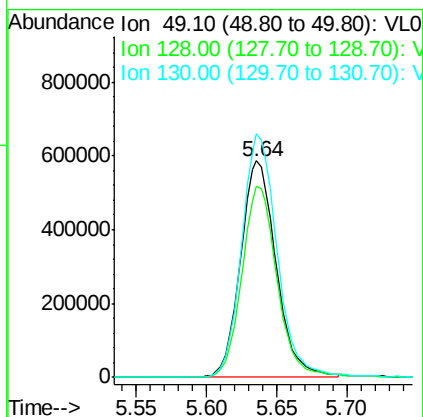
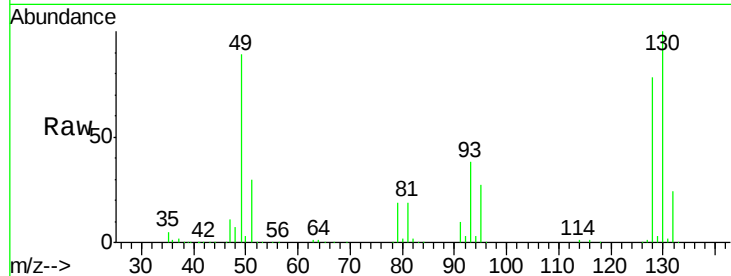




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.03 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

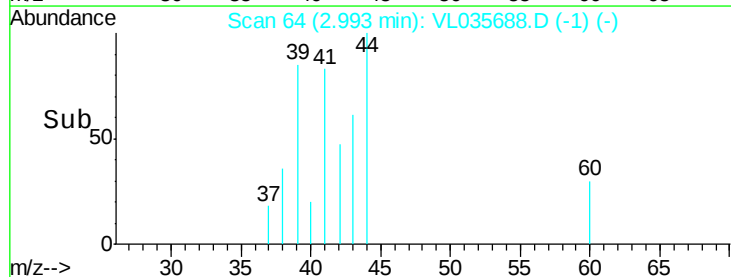
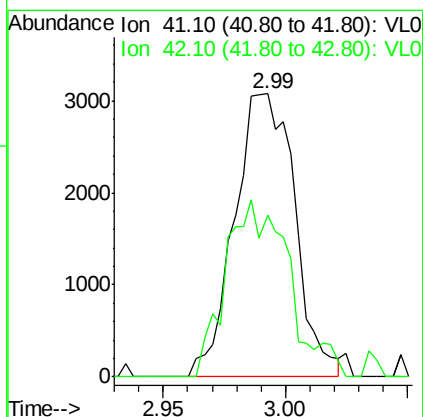
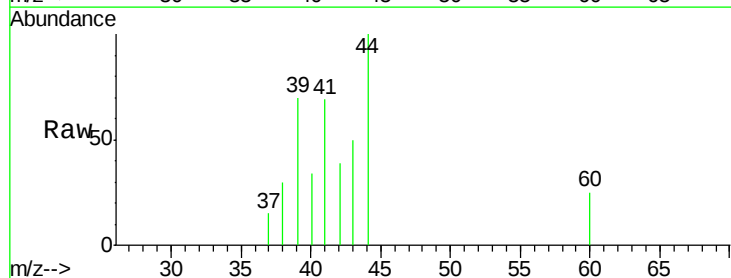
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

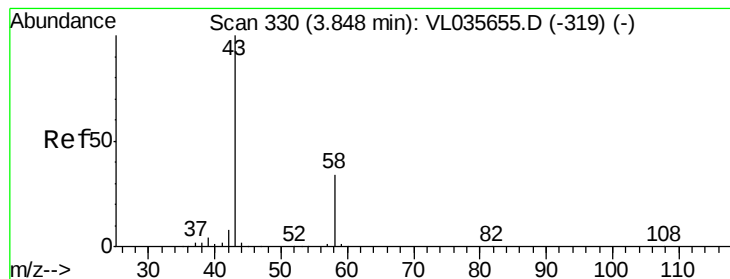
Tot Ion: 49 Resp: 1038259
 Ion Ratio Lower Upper
 49 100
 128 88.0 50.0 150.1
 130 112.7 64.4 193.2



#9
 Propene
 Concen: 0.119 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. -0.00 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

Tgt Ion: 41 Resp: 5279
 Ion Ratio Lower Upper
 41 100
 42 67.5 56.3 84.5





#15

Acetone

Concen: 4.239 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampleId :

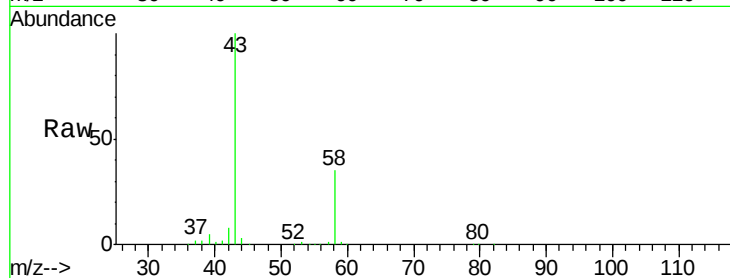
SV-7DL

Tot Ion: 43 Resp: 485400

Ion Ratio Lower Upper

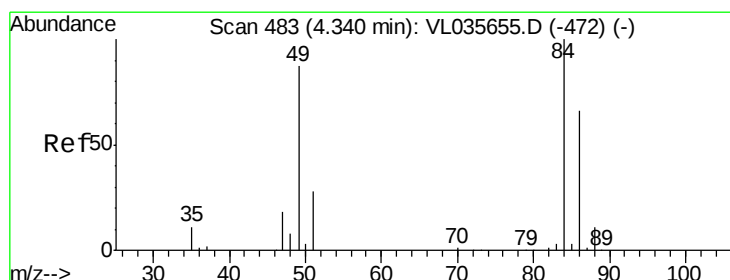
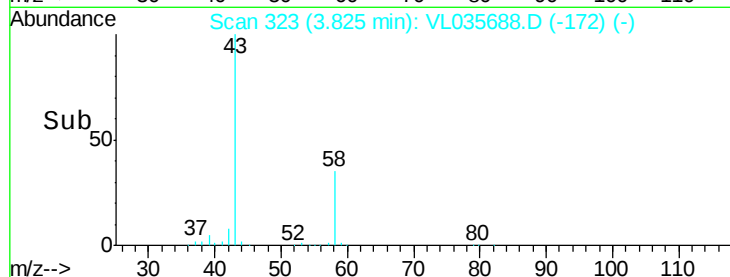
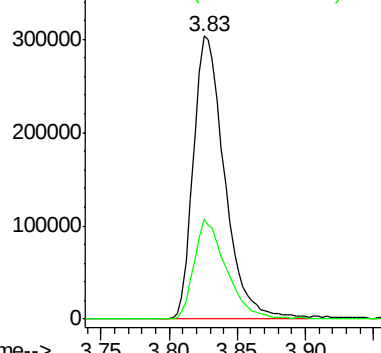
43 100

58 36.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.210 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.02 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Tgt Ion: 84 Resp: 17949

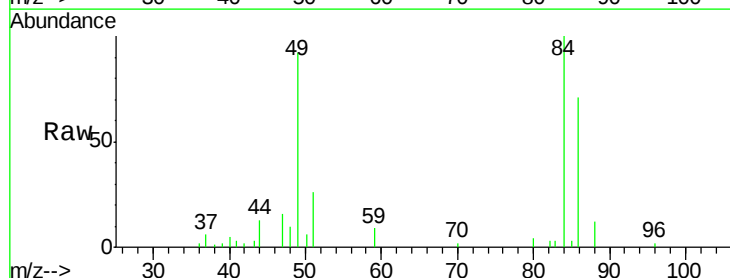
Ion Ratio Lower Upper

84 100

49 92.4 65.4 98.0

51 25.8 21.5 32.3

86 71.1 52.9 79.3

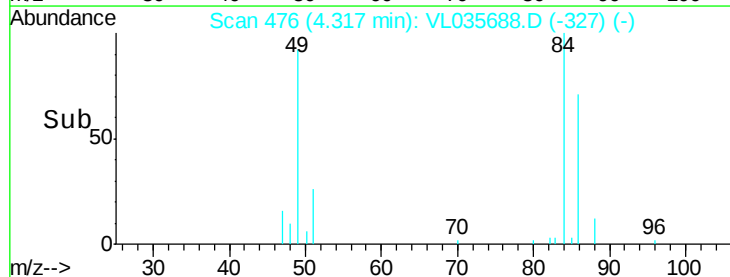
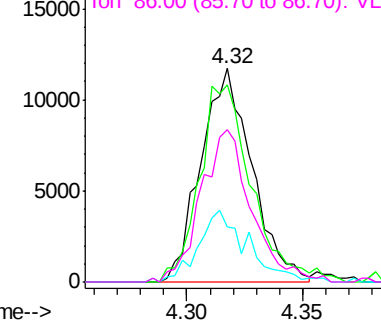


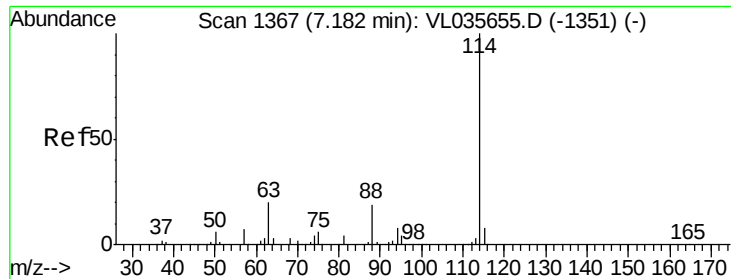
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

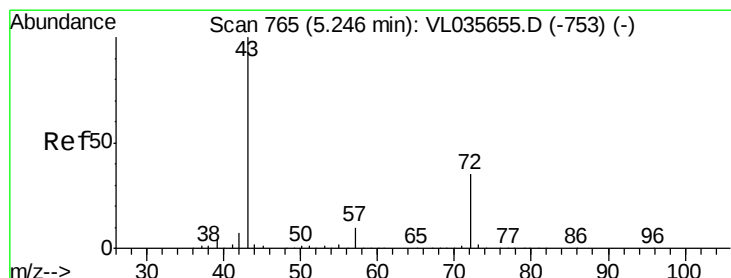
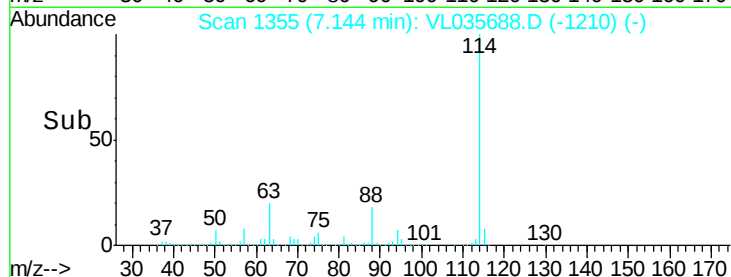
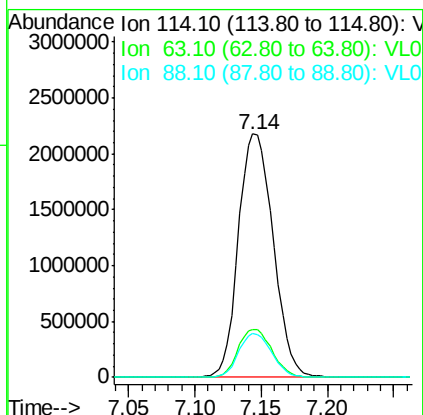
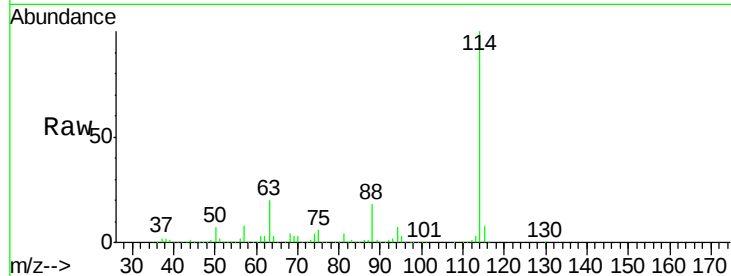




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

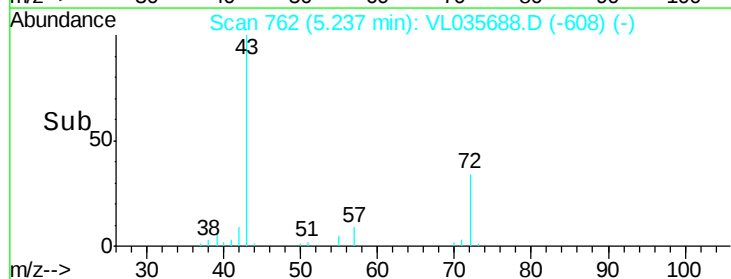
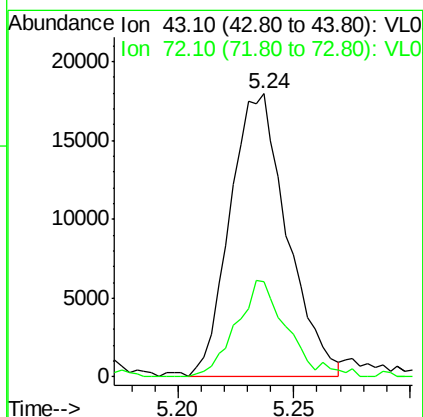
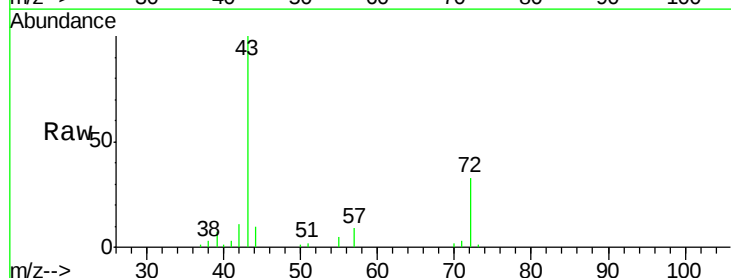
Instrument :
 MSVOA_L
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 SV-7DL

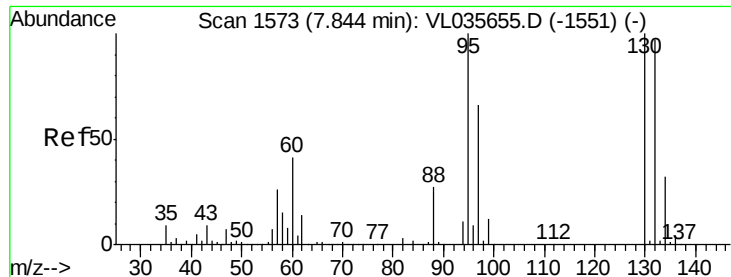
Tot Ion:114 Resp: 3979275
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.2 13.4 20.2



#34
 2-Butanone
 Concen: 0.261 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

Tgt Ion: 43 Resp: 30794
 Ion Ratio Lower Upper
 43 100
 72 30.9 27.7 41.5

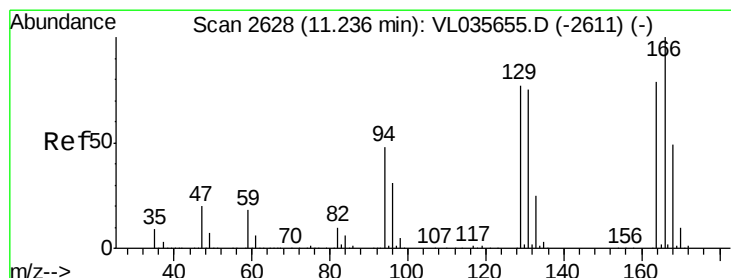
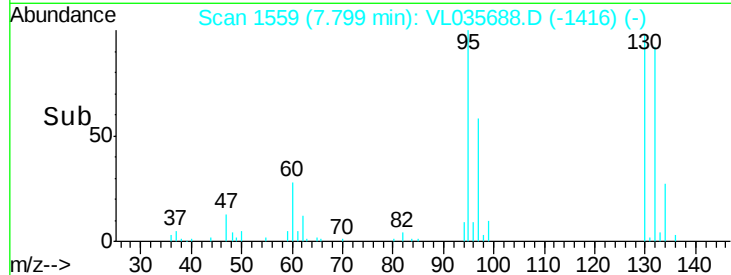
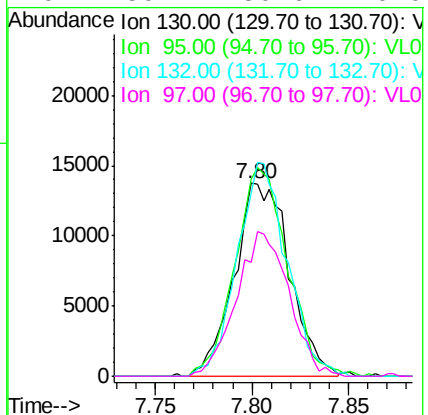
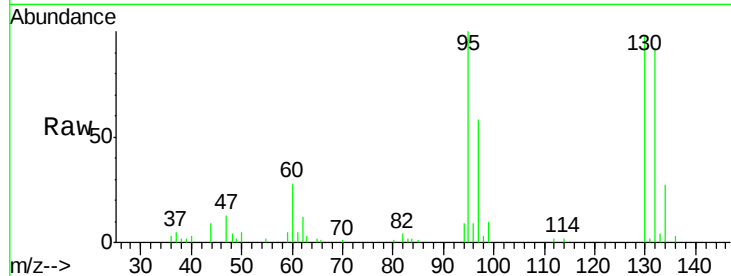




#38
 Trichloroethene
 Concen: 0.182 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.04 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

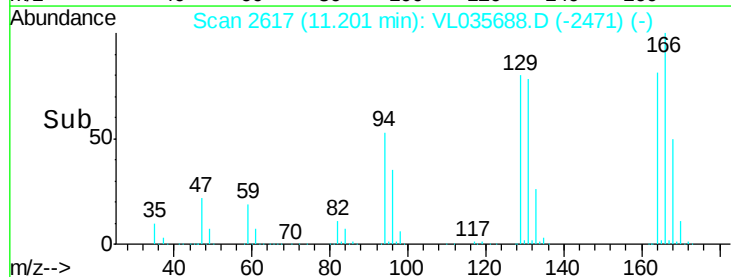
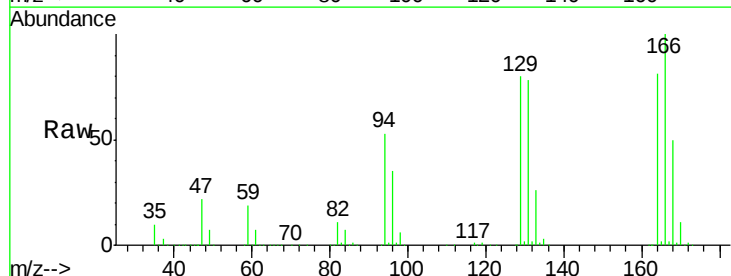
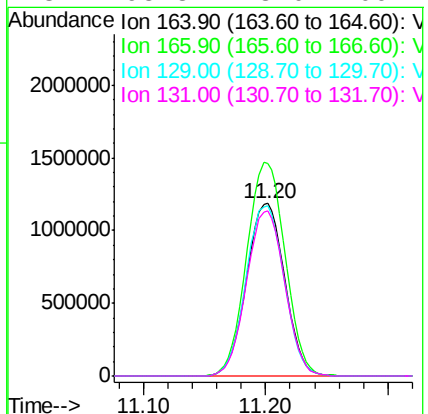
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7DL

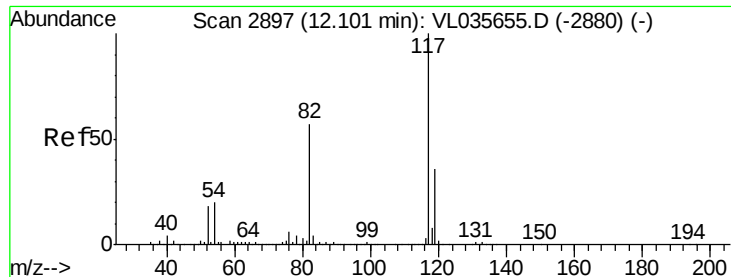
Tot Ion:130	Resp:	27290
Ion Ratio	Lower	Upper
130	100	
95	102.5	74.6 112.0
132	94.7	77.6 116.4
97	59.2	50.6 76.0



#52
 Tetrachloroethene
 Concen: 17.010 ppbv
 RT: 11.20 min Scan# 2617
 Delta R.T. -0.03 min
 Lab File: VL035688.D
 Acq: 21 Sep 2020 16:28

Tgt Ion:164	Resp:	2559722
Ion Ratio	Lower	Upper
164	100	
166	123.6	100.9 151.3
129	98.8	75.3 112.9
131	95.8	73.0 109.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

Instrument :

MSVOA_L

ClientSampleId :

SV-7DL

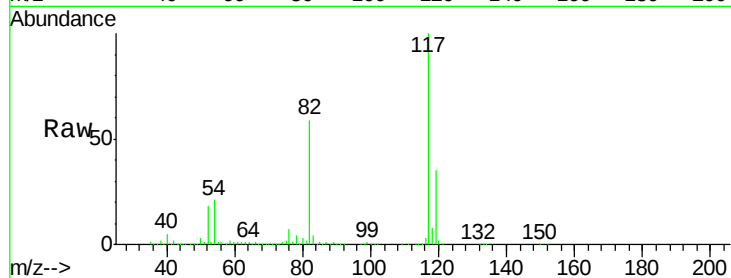
Tot Ion:117 Resp: 4045886

Ion Ratio Lower Upper

117 100

82 57.8 41.6 62.4

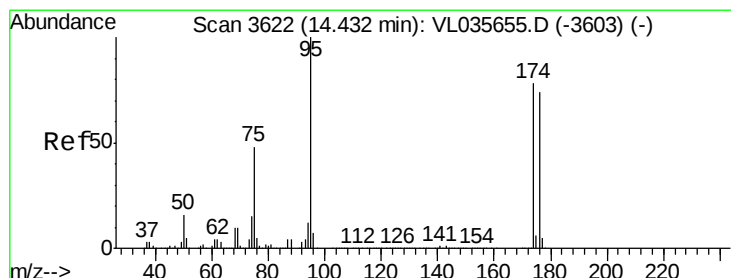
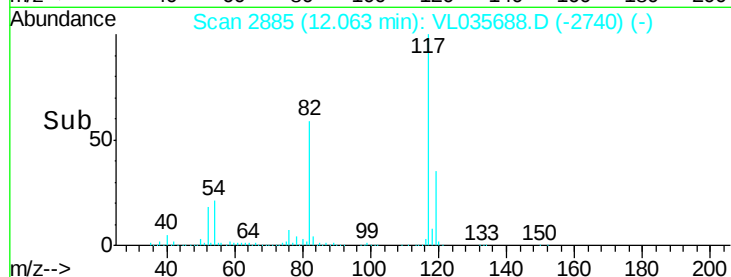
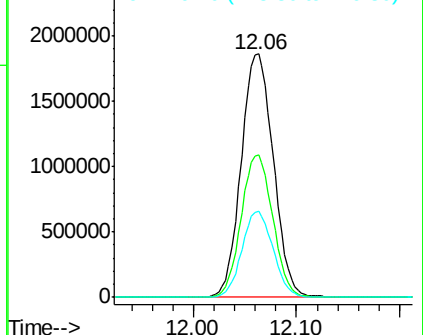
119 34.3 29.3 43.9



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: 10.506 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.04 min

Lab File: VL035688.D

Acq: 21 Sep 2020 16:28

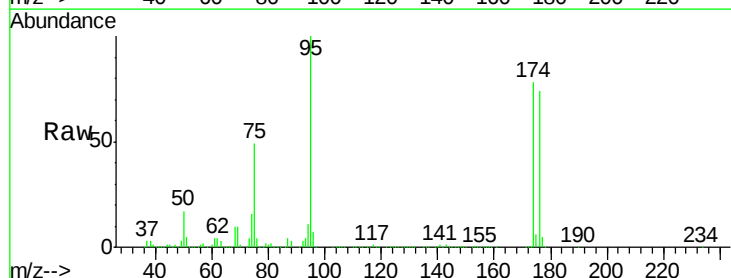
Tgt Ion: 95 Resp: 3018508

Ion Ratio Lower Upper

95 100

174 77.0 69.6 104.4

175 5.5 5.1 7.7



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

