

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035663.D
 Acq On : 17 Sep 2020 19:23
 Operator : SY/AP
 Sample : L3983-07DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

Quant Time: Sep 18 04:36:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.67	49	1149359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4416540	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4432139	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3270211	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

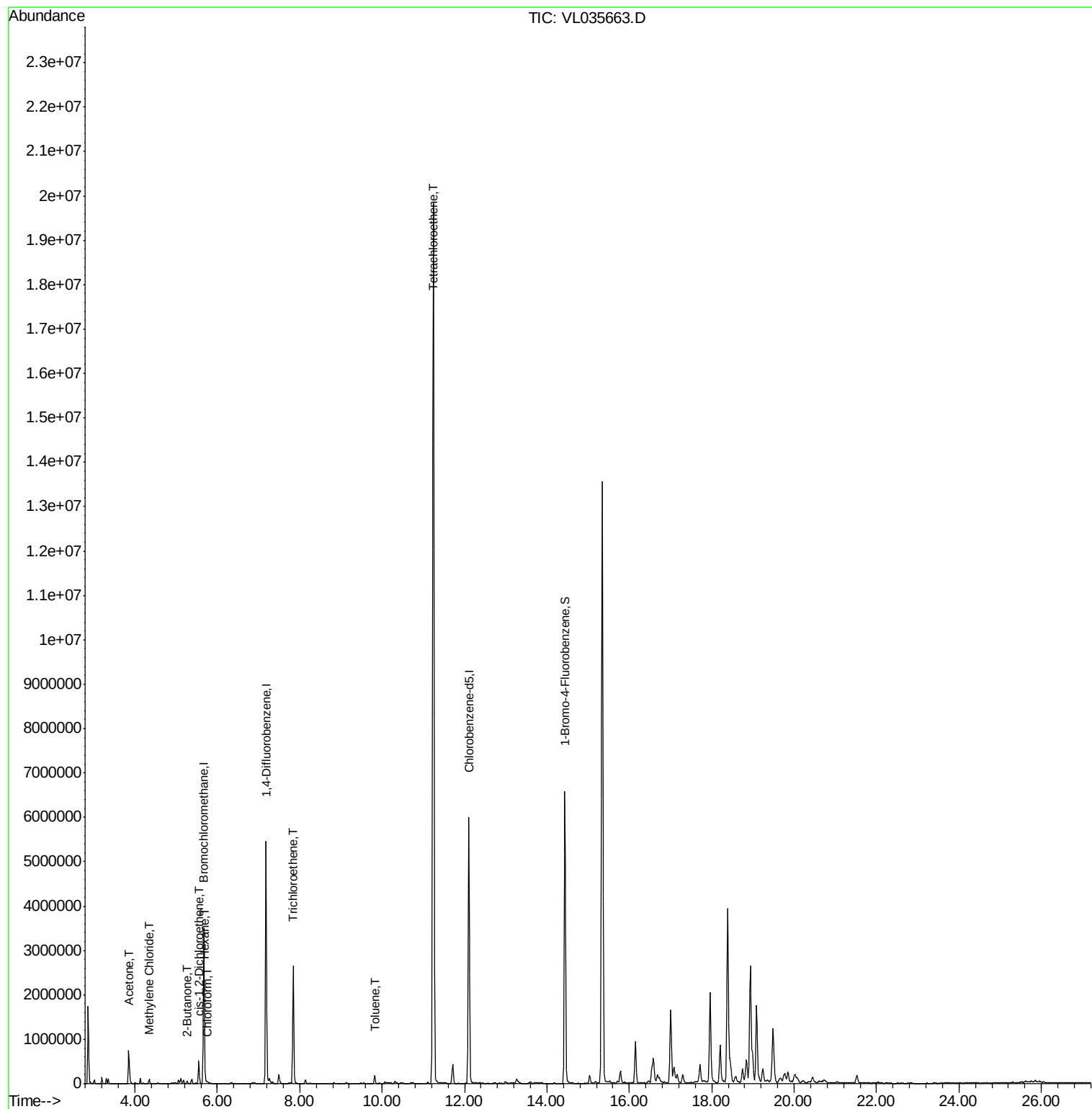
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	752174	5.934	ppbv	100
20) Methylene Chloride	4.34	84	43419	0.460	ppbv	96
26) Hexane	5.69	57	59429	0.468	ppbv #	47
29) Chloroform	5.75	83	19083	0.074	ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	239957	1.843	ppbv	98
34) 2-Butanone	5.27	43	52302	0.399	ppbv	98
38) Trichloroethene	7.84	130	927659	5.586	ppbv	97
52) Tetrachloroethene	11.25	164	5931344	35.514	ppbv #	85
53) Toluene	9.82	91	151054	0.420	ppbv	95

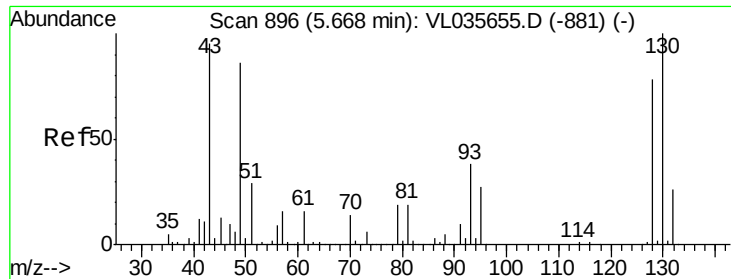
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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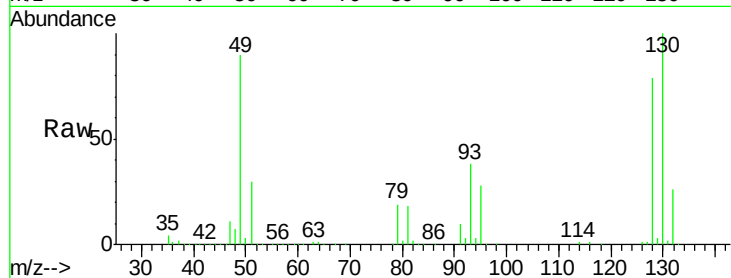




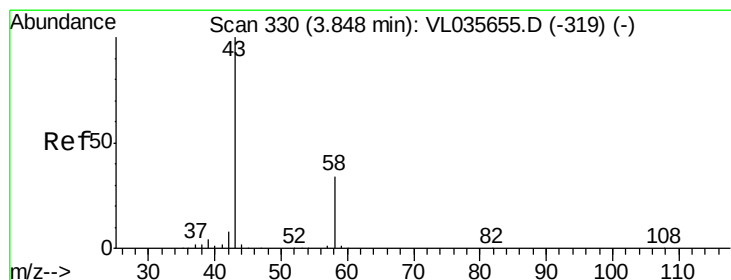
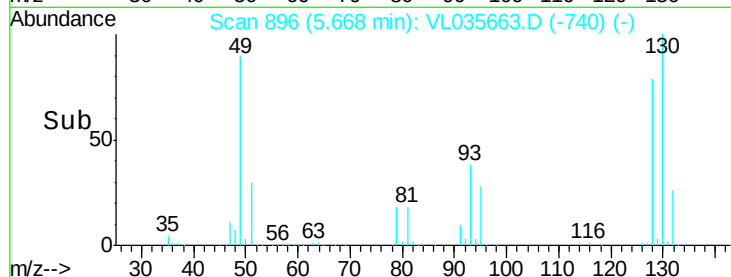
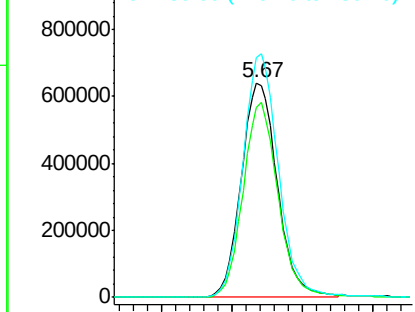
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

Tot Ion: 49 Resp: 1149359
 Ion Ratio Lower Upper
 49 100
 128 88.6 50.0 150.1
 130 112.9 64.4 193.2

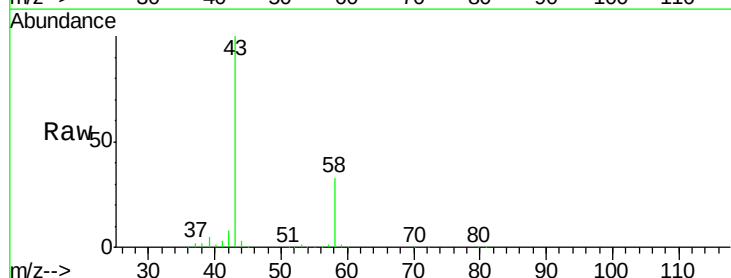


Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V

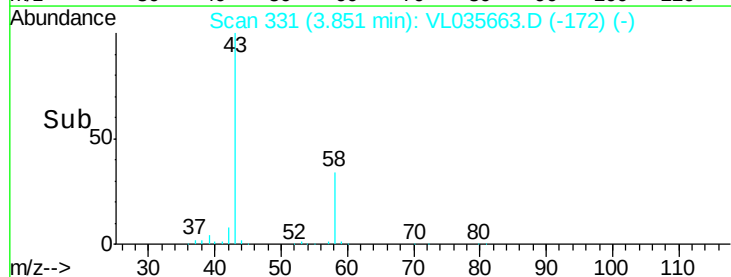
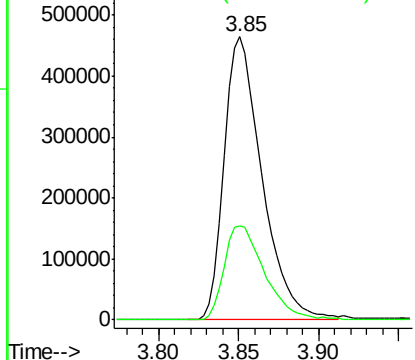


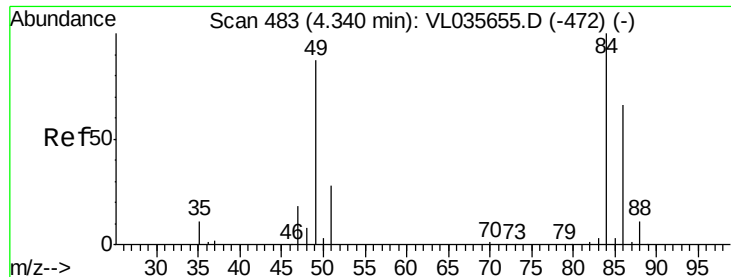
#15
 Acetone
 Concen: 5.934 ppbv
 RT: 3.85 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

Tgt Ion: 43 Resp: 752174
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

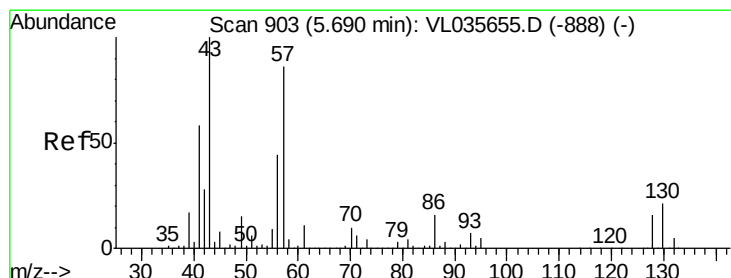
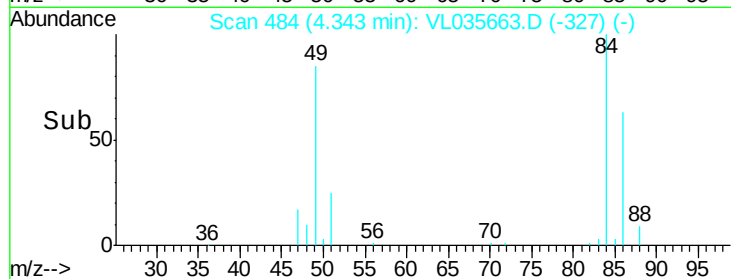
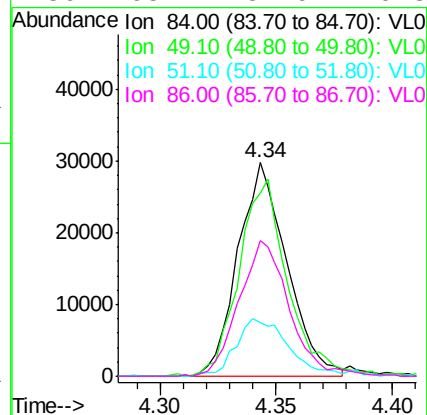
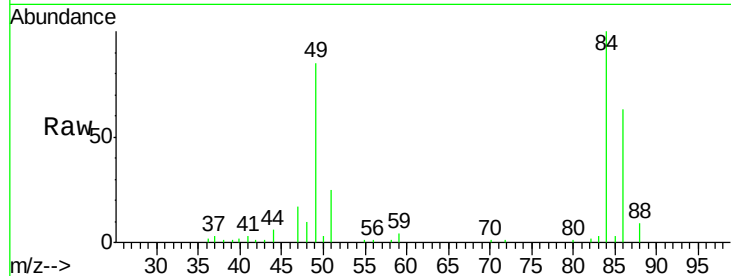




#20
Methylene Chloride
Concen: 0.460 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL035663.D
Acq: 17 Sep 2020 19:23

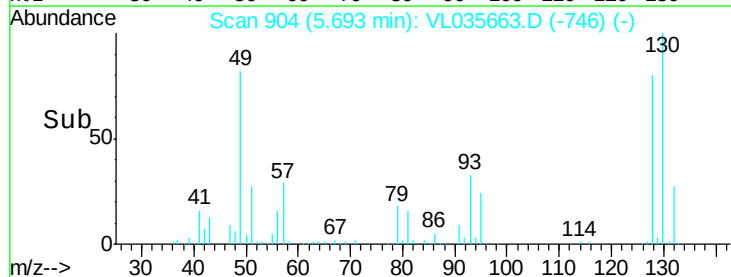
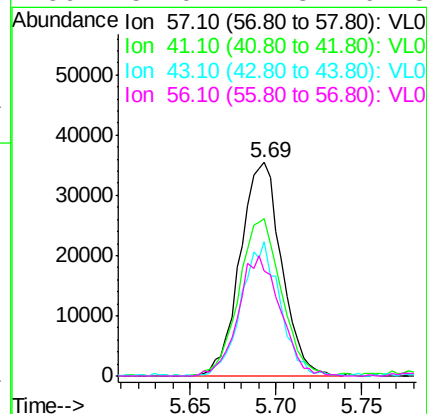
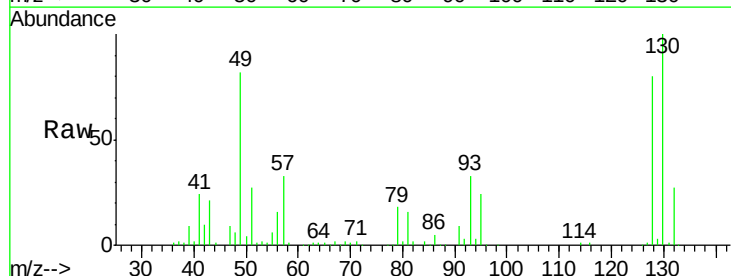
Instrument :
MSVOA_L
ClientSampleId :
SV-10DL2

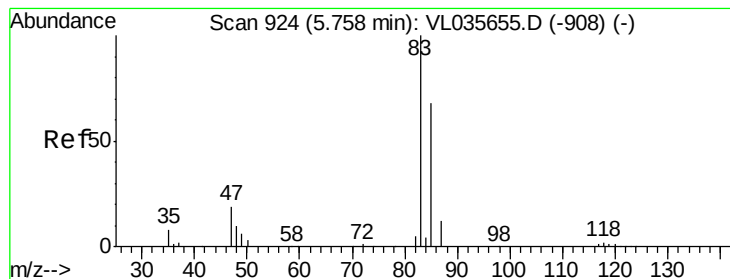
Tot Ion: 84 Resp: 43419
Ion Ratio Lower Upper
84 100
49 84.9 65.4 98.0
51 24.9 21.5 32.3
86 63.4 52.9 79.3



#26
Hexane
Concen: 0.468 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035663.D
Acq: 17 Sep 2020 19:23

Tgt Ion: 57 Resp: 59429
Ion Ratio Lower Upper
57 100
41 76.1 55.9 83.9
43 59.1 141.8 212.8#
56 57.0 41.8 62.8





#29

Chloroform

Concen: 0.074 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL035663.D

Acq: 17 Sep 2020 19:23

Instrument :

MSVOA_L

ClientSampleId :

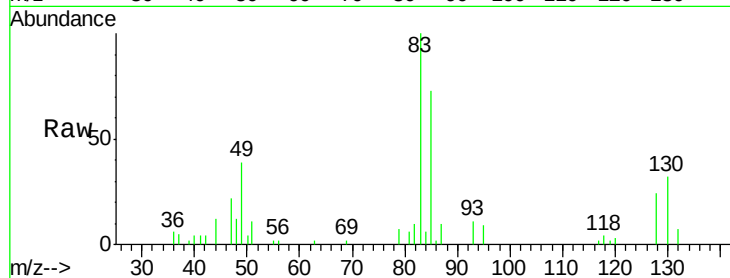
SV-10DL2

Tot Ion: 83 Resp: 19083

Ion Ratio Lower Upper

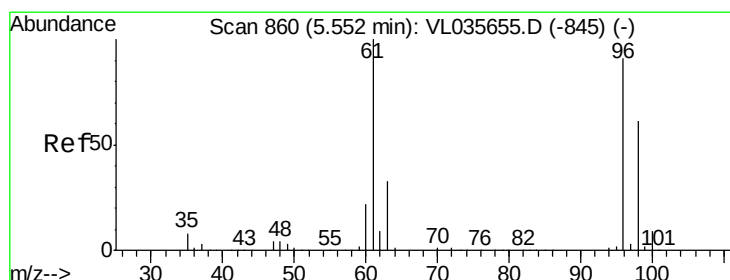
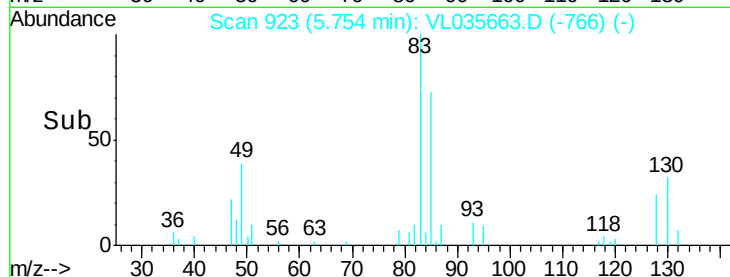
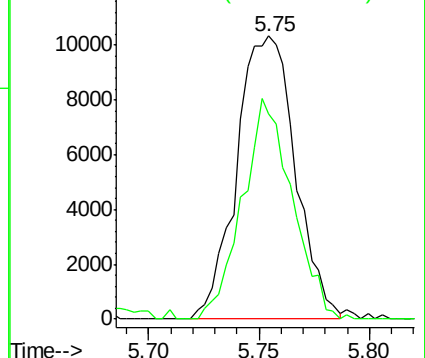
83 100

85 72.6 53.9 80.9



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: 1.843 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL035663.D

Acq: 17 Sep 2020 19:23

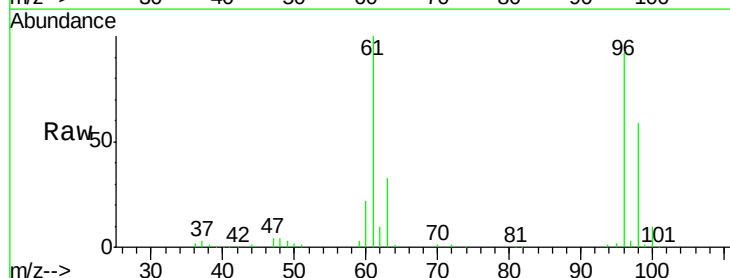
Tgt Ion: 61 Resp: 239957

Ion Ratio Lower Upper

61 100

96 91.9 74.4 111.6

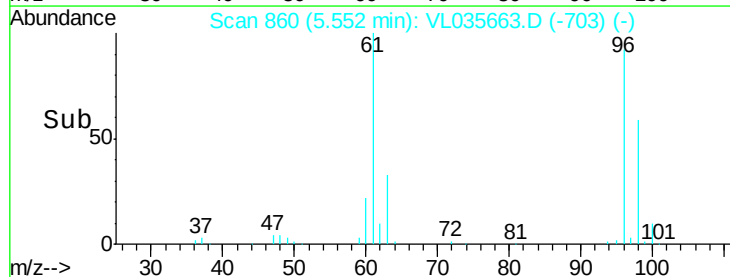
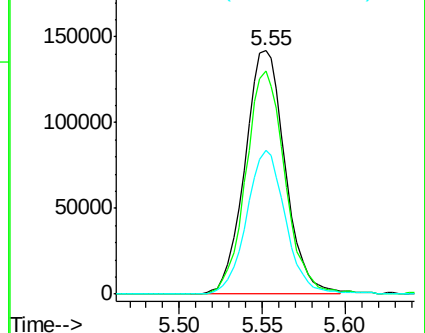
98 58.9 49.2 73.8

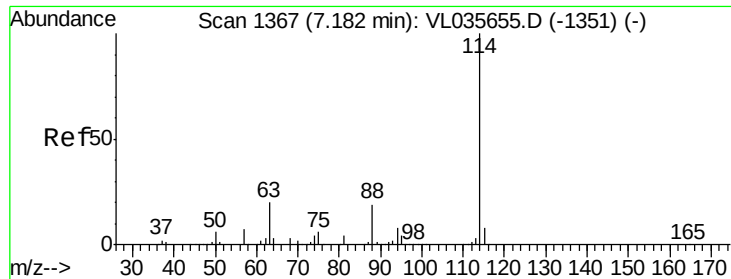


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

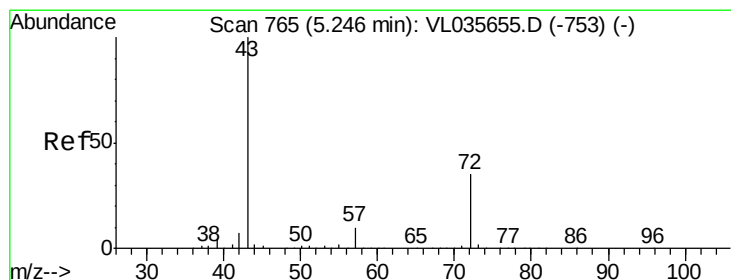
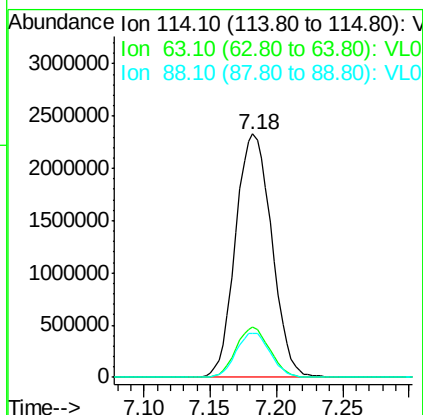
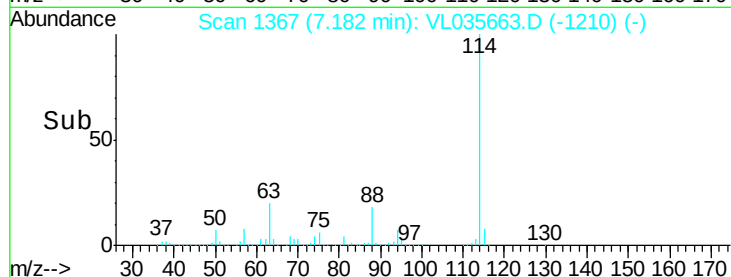
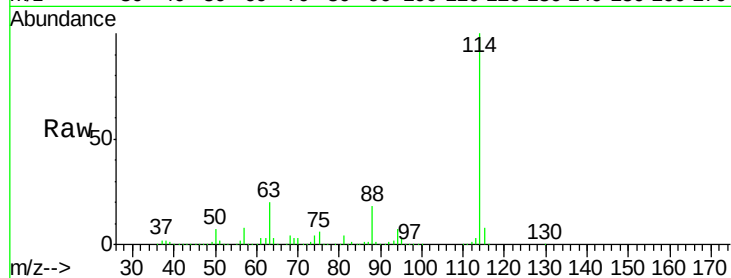




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

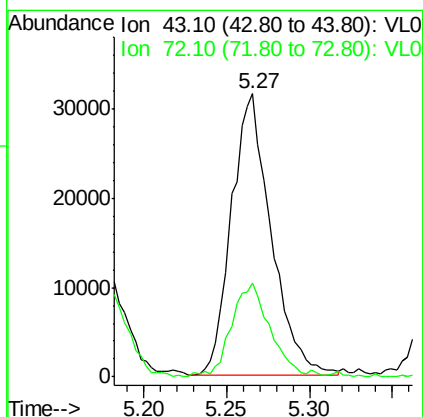
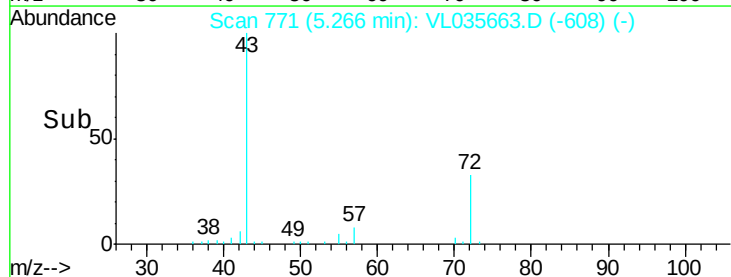
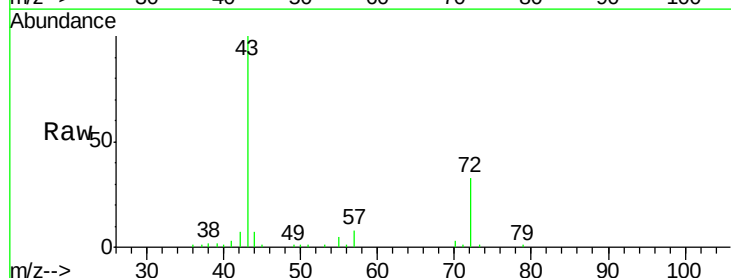
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

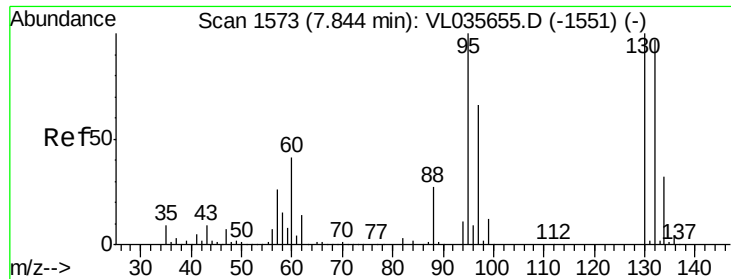
Tot Ion:114 Resp: 4416540
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.3 13.4 20.2



#34
 2-Butanone
 Concen: 0.399 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

Tgt Ion: 43 Resp: 52302
 Ion Ratio Lower Upper
 43 100
 72 33.5 27.7 41.5

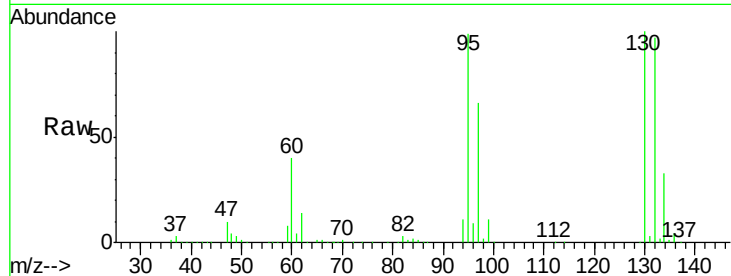




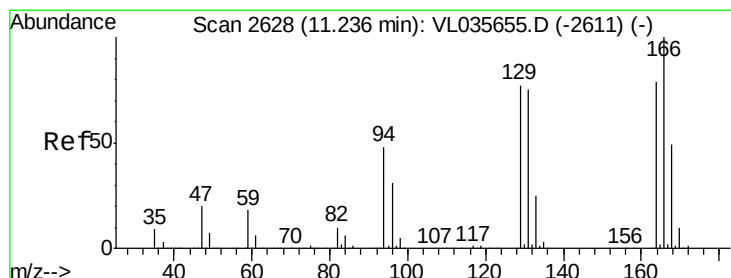
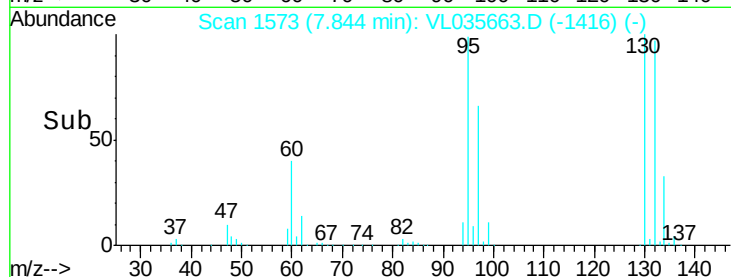
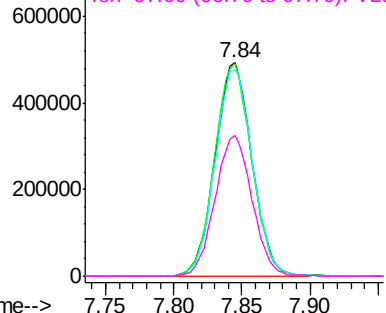
#38
 Trichloroethene
 Concen: 5.586 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL2

Tot Ion:	130	Resp:	927659
Ion	Ratio	Lower	Upper
130	100		
95	99.3	74.6	112.0
132	96.5	77.6	116.4
97	66.2	50.6	76.0

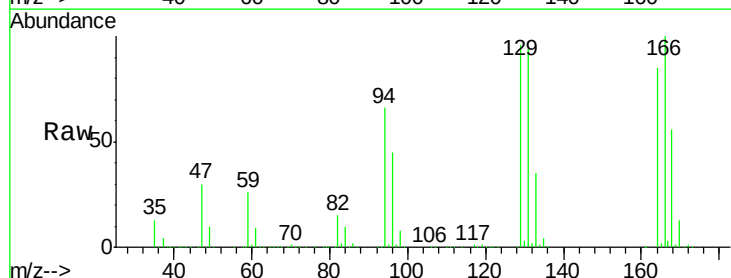


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

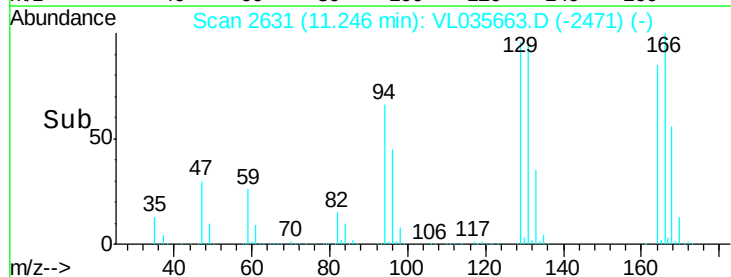
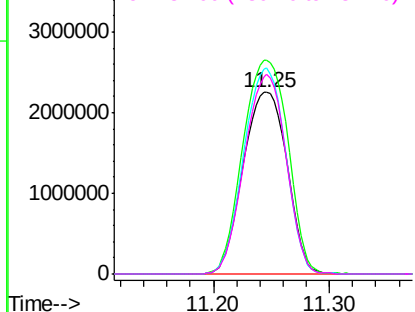


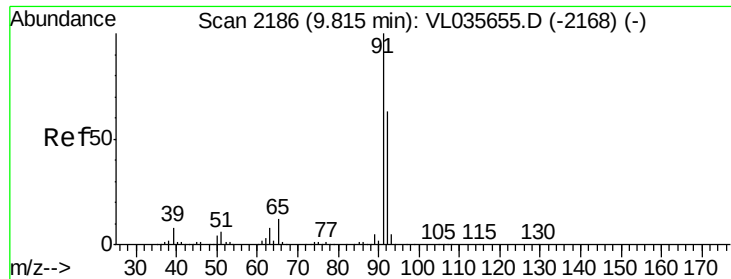
#52
 Tetrachloroethene
 Concen: 35.514 ppbv
 RT: 11.25 min Scan# 2631
 Delta R.T. 0.02 min
 Lab File: VL035663.D
 Acq: 17 Sep 2020 19:23

Tgt Ion:	164	Resp:	5931344
Ion	Ratio	Lower	Upper
164	100		
166	117.6	100.9	151.3
129	113.2	75.3	112.9#
131	110.0	73.0	109.4#



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





#53

Toluene

Concen: 0.420 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.01 min

Lab File: VL035663.D

Acq: 17 Sep 2020 19:23

Instrument :

MSVOA_L

ClientSampleId :

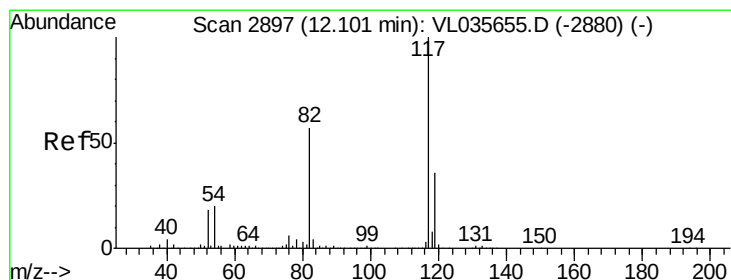
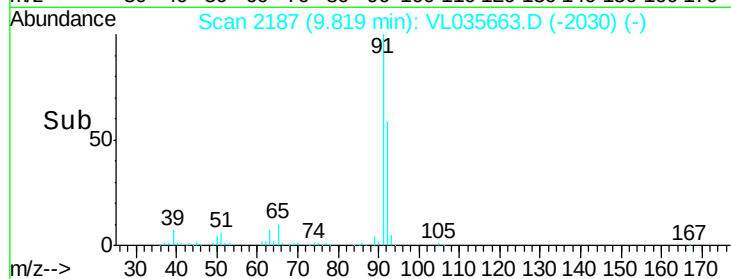
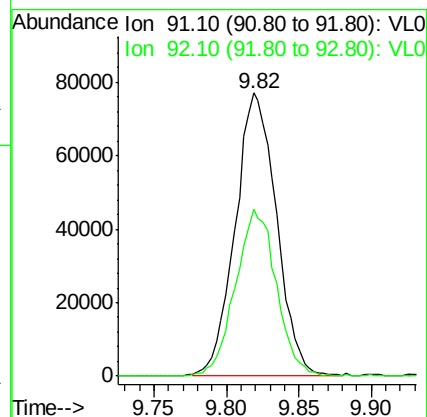
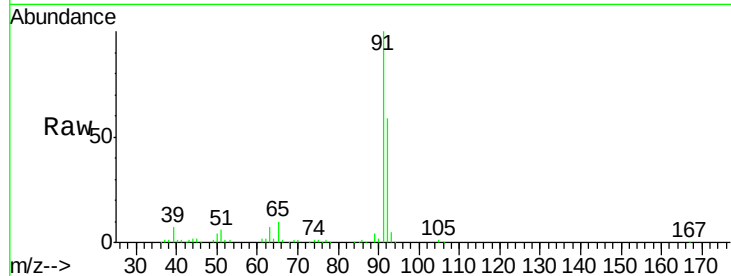
SV-10DL2

Tot Ion: 91 Resp: 151054

Ion Ratio Lower Upper

91 100

92 58.7 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL035663.D

Acq: 17 Sep 2020 19:23

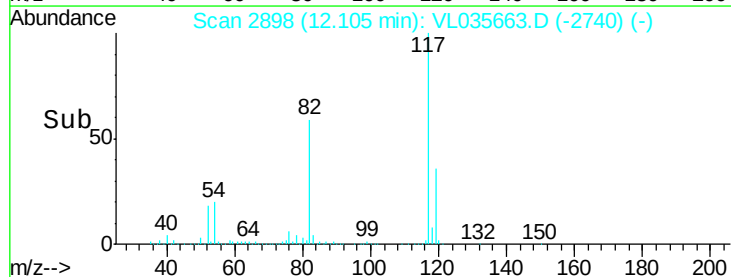
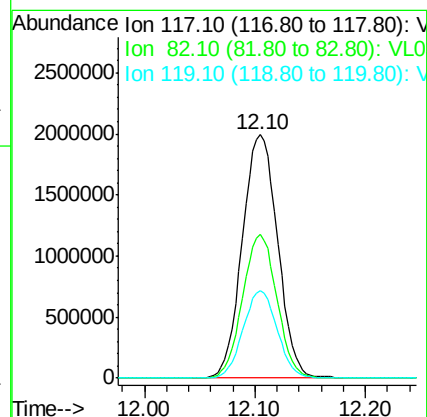
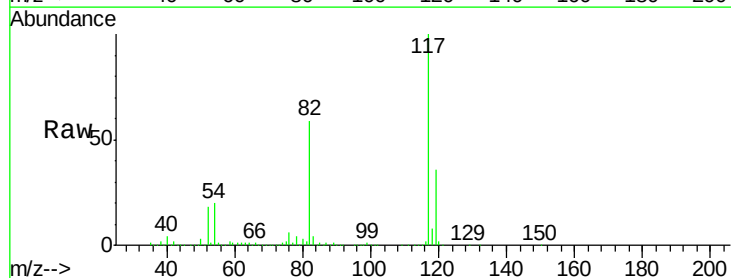
Tgt Ion: 117 Resp: 4432139

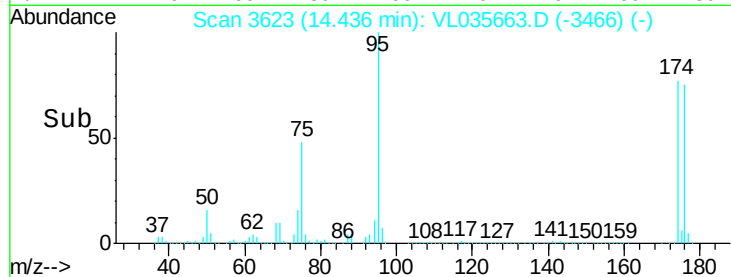
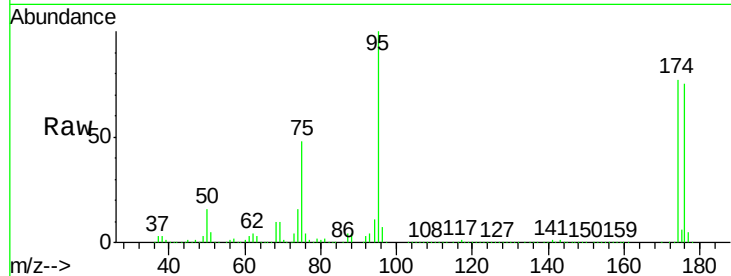
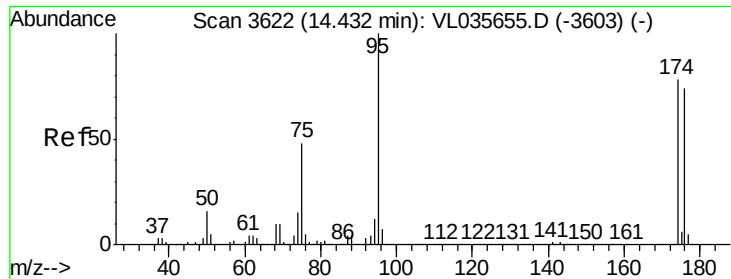
Ion Ratio Lower Upper

117 100

82 57.2 41.6 62.4

119 34.7 29.3 43.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.390 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035663.D

Acq: 17 Sep 2020 19:23

Instrument :

MSVOA_L

ClientSampleId :

SV-10DL2

Tot Ion: 95 Resp: 3270211

Ion Ratio Lower Upper

95 100

174 77.8 69.6 104.4

175 5.7 5.1 7.7

