

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035696.D
 Acq On : 21 Sep 2020 21:31
 Operator : SY/AP
 Sample : L3983-05DL2 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Quant Time: Sep 22 01:29:55 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	998123	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3764710	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3805246	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2765238	10.23	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

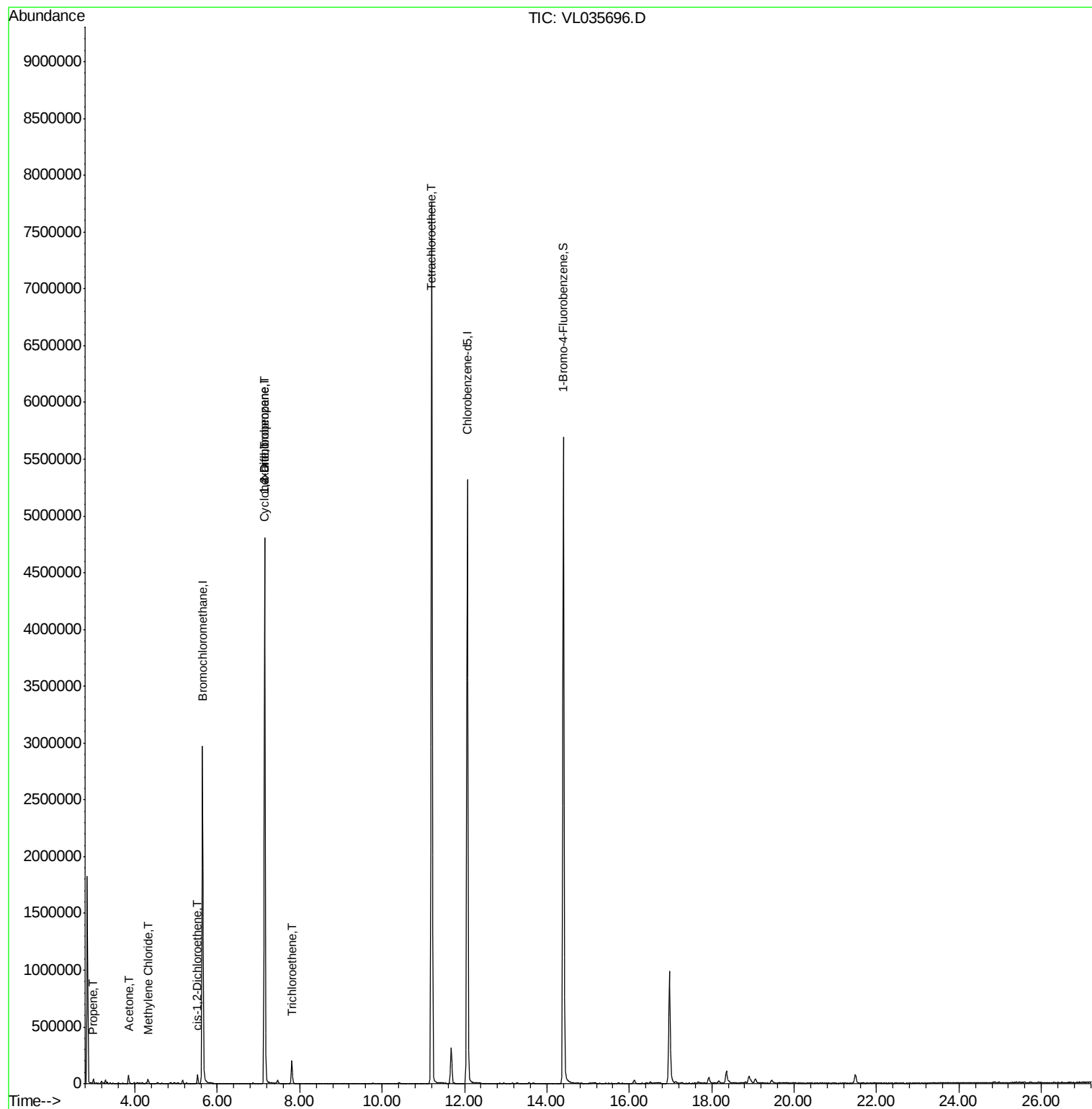
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	15135	0.356	ppbv	92
15) Acetone	3.84	43	61595	0.560	ppbv #	82
20) Methylene Chloride	4.32	84	16500	0.201	ppbv	90
30) Cyclohexane	7.13	84	6786	0.057	ppbv #	12
31) cis-1,2-Dichloroethene	5.52	61	37194	0.329	ppbv	98
38) Trichloroethene	7.81	130	71173	0.503	ppbv	93
39) 1,2-Dichloropropane	7.15	63	724870	8.805	ppbv #	32
52) Tetrachloroethene	11.20	164	2097644	14.734	ppbv	95

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035696.D

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ClientSampleId :

SV-11ADL2

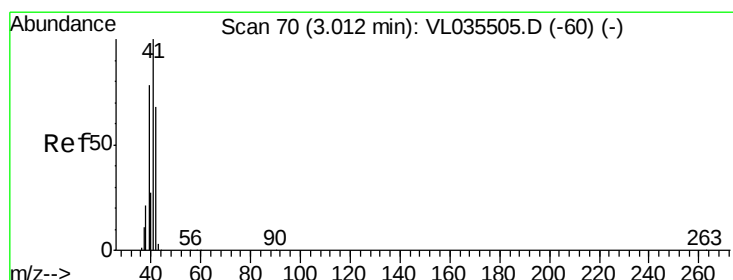
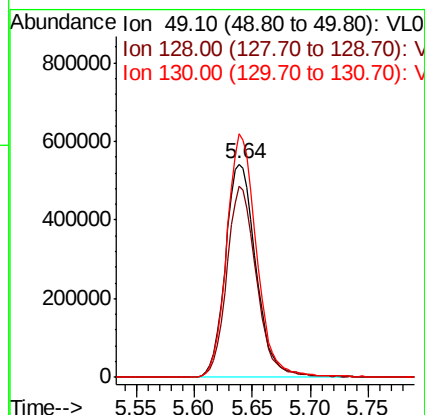
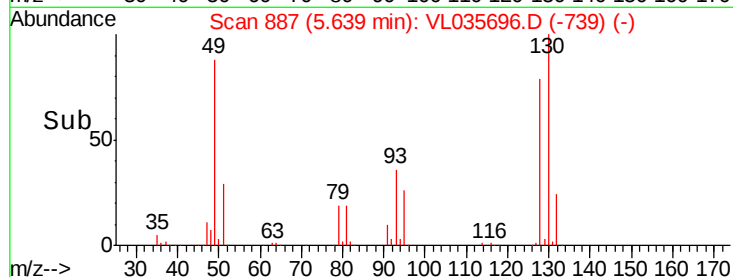
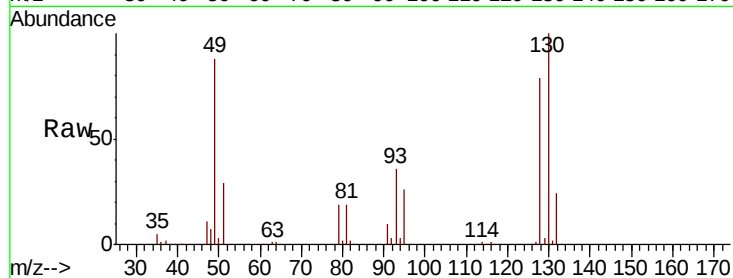
Tot Ion: 49 Resp: 998123

Ion Ratio Lower Upper

49 100

128 86.9 50.0 150.1

130 111.3 64.4 193.2



#9

Propene

Concen: 0.356 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035696.D

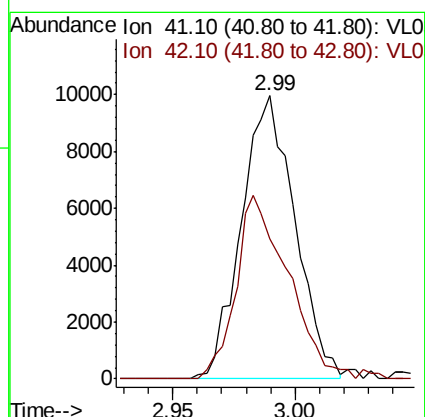
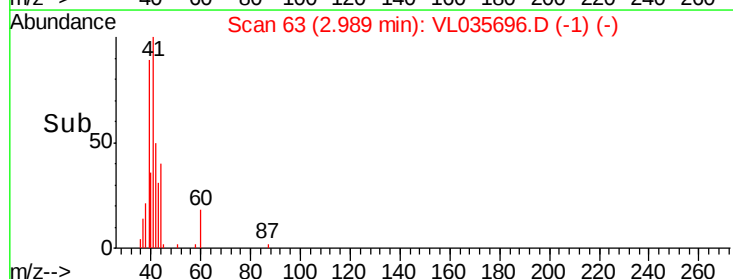
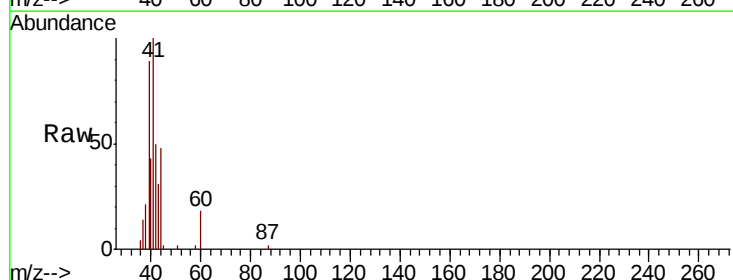
Acq: 21 Sep 2020 21:31

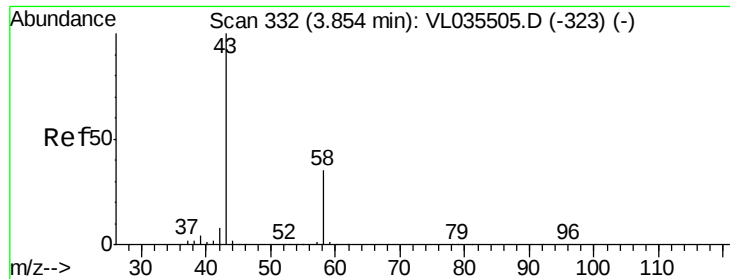
Tgt Ion: 41 Resp: 15135

Ion Ratio Lower Upper

41 100

42 64.0 56.3 84.5





#15

Acetone

Concen: 0.560 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL035696.D

Acq: 21 Sep 2020 21:31

Instrument :

MSVOA_L

ClientSampleId :

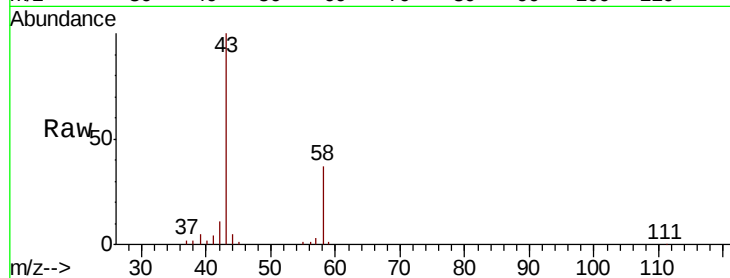
SV-11ADL2

Tot Ion: 43 Resp: 61595

Ion Ratio Lower Upper

43 100

58 46.1 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

40000

30000

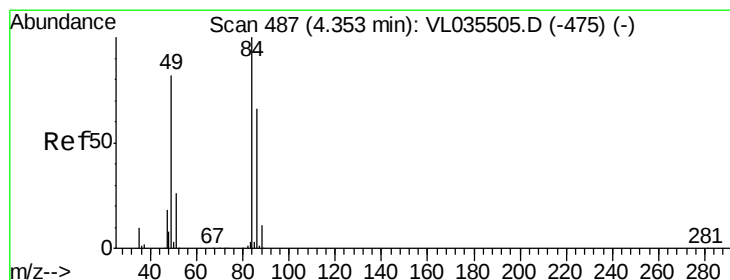
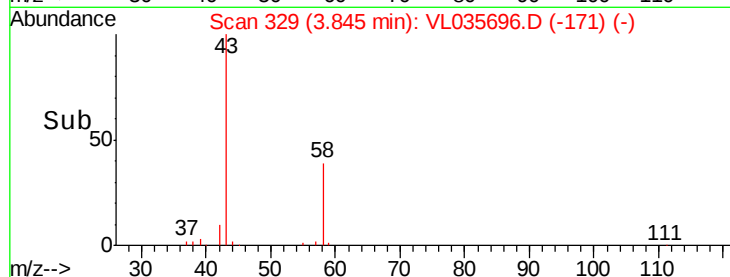
20000

10000

0

Time-->

3.80 3.85 3.90



#20

Methylene Chloride

Concen: 0.201 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035696.D

Acq: 21 Sep 2020 21:31

Tgt Ion: 84 Resp: 16500

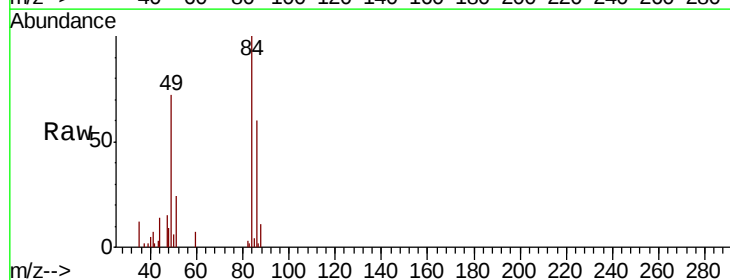
Ion Ratio Lower Upper

84 100

49 70.3 65.4 98.0

51 24.1 21.5 32.3

86 60.0 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

4.32

15000

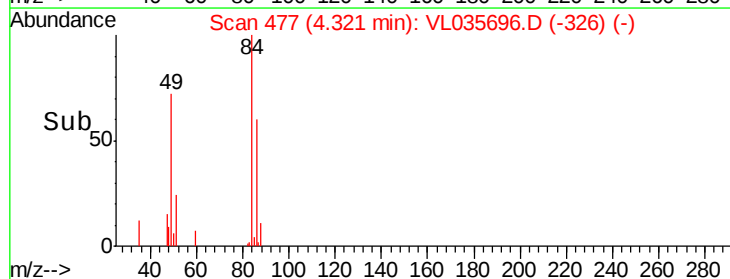
10000

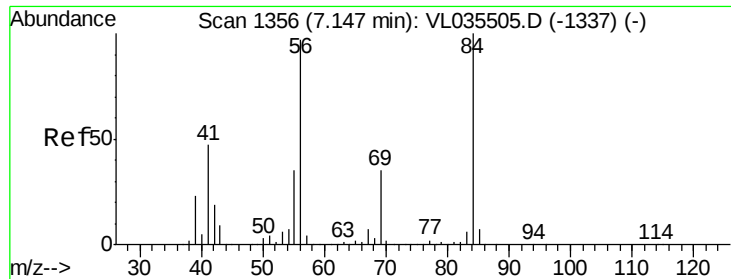
5000

0

Time-->

4.30 4.35

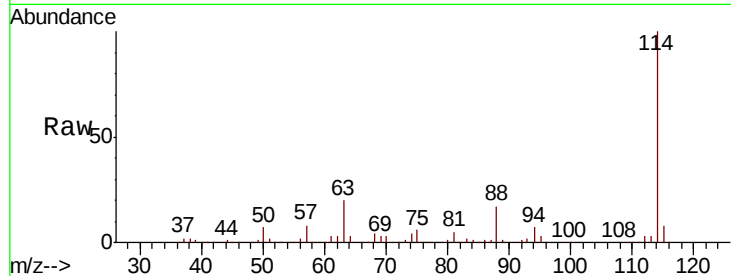




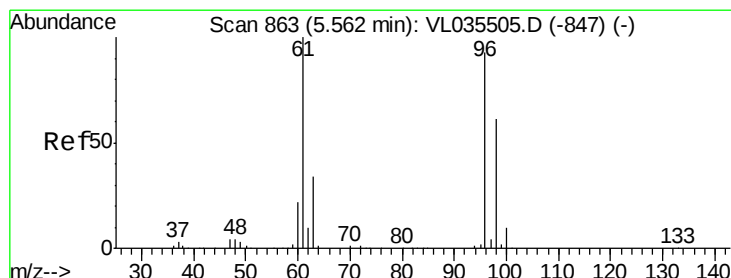
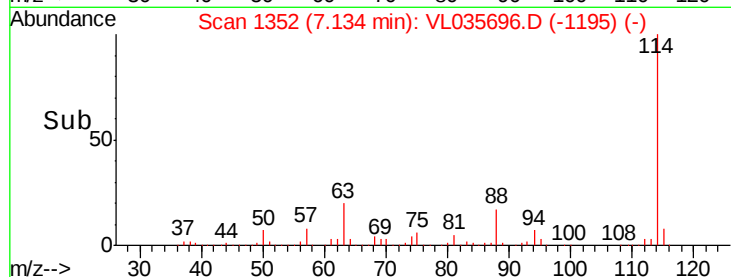
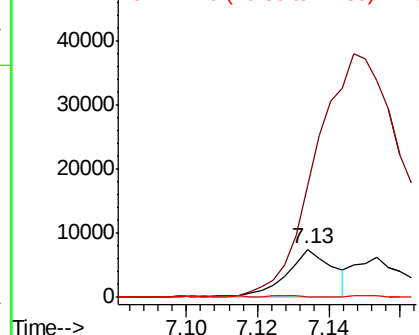
#30
Cvclohexane
Concen: 0.057 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035696.D
Acq: 21 Sep 2020 21:31

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Tot Ion: 84 Resp: 6786
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 5.2 38.1 57.1#

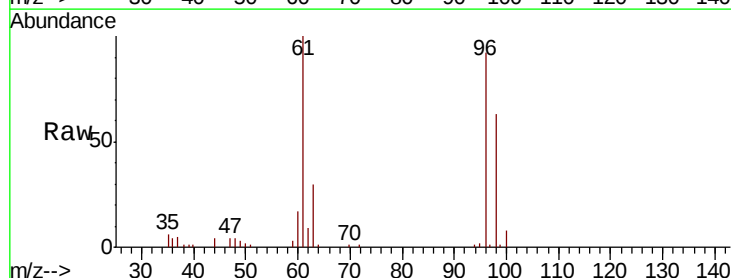


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

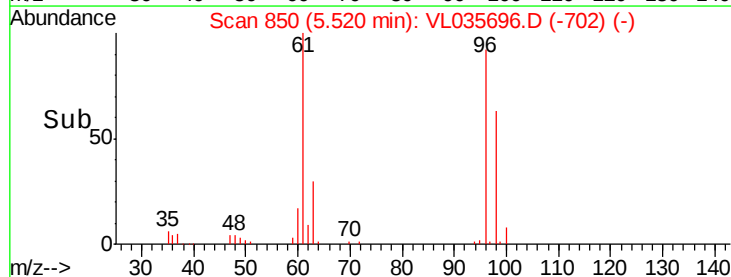
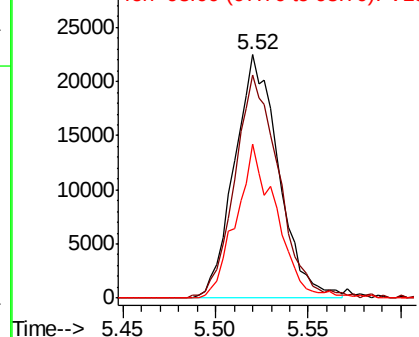


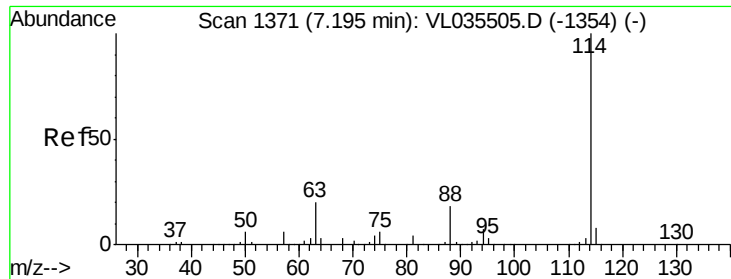
#31
cis-1,2-Dichloroethene
Concen: 0.329 ppbv
RT: 5.52 min Scan# 850
Delta R.T. -0.03 min
Lab File: VL035696.D
Acq: 21 Sep 2020 21:31

Tgt Ion: 61 Resp: 37194
Ion Ratio Lower Upper
61 100
96 90.6 74.4 111.6
98 63.1 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

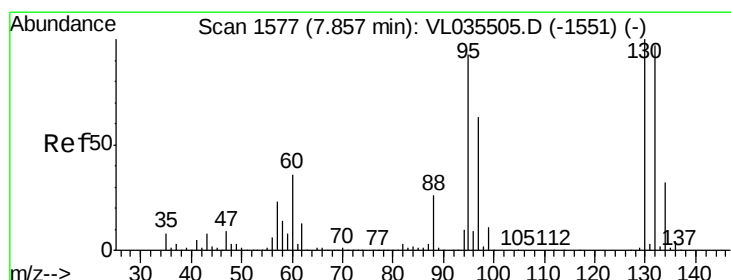
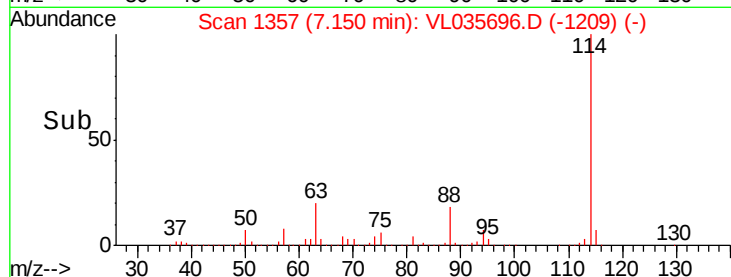
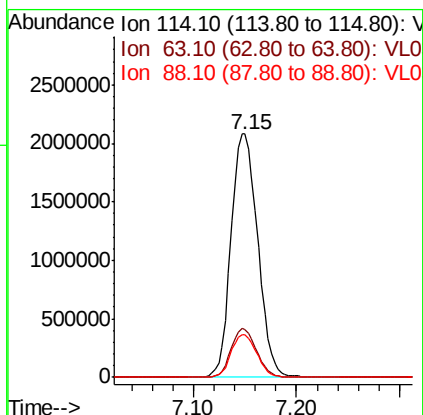
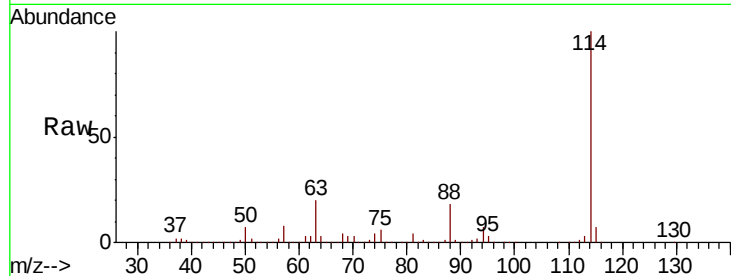




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL035696.D
 Acq: 21 Sep 2020 21:31

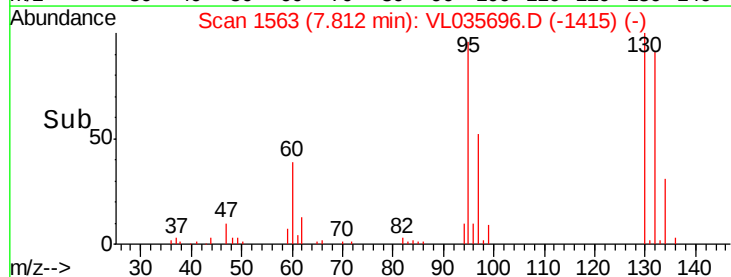
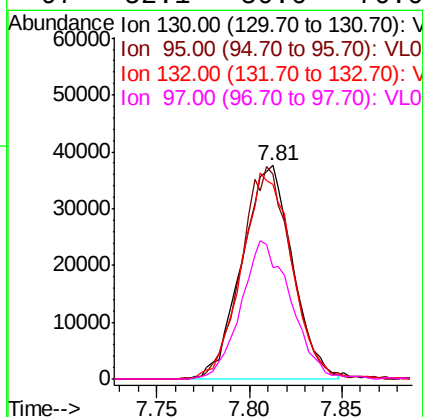
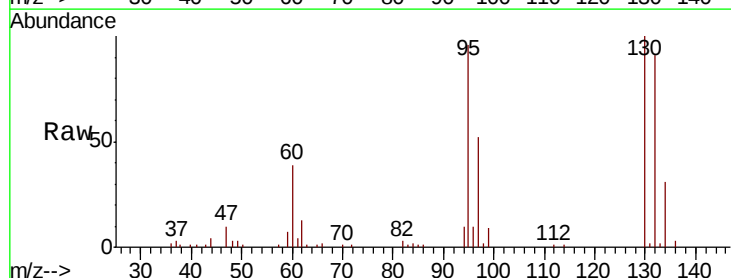
Instrument :
 MSVOA_L
 ClientSampleID :
 SV-11ADL2

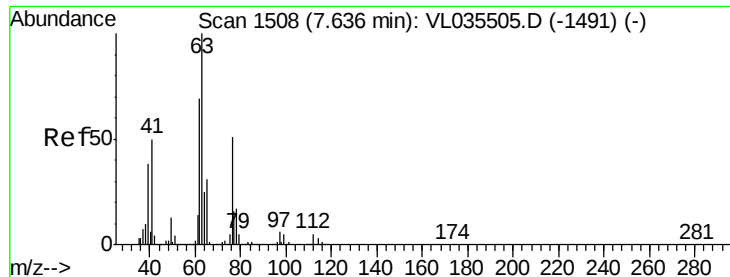
Tot Ion:114 Resp: 3764710
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.0 13.4 20.2



#38
 Trichloroethene
 Concen: 0.503 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL035696.D
 Acq: 21 Sep 2020 21:31

Tgt Ion:130 Resp: 71173
 Ion Ratio Lower Upper
 130 100
 95 95.2 74.6 112.0
 132 91.1 77.6 116.4
 97 52.1 50.6 76.0





#39

1,2-Dichloropropane

Concen: 8.805 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.47 min

Lab File: VL035696.D

Acq: 21 Sep 2020 21:31

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

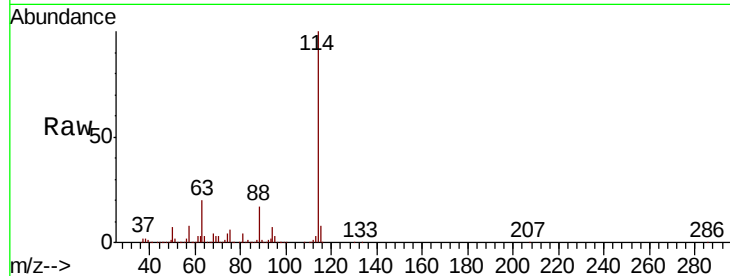
Tot Ion: 63 Resp: 724870

Ion Ratio Lower Upper

63 100

41 0.1 40.0 60.0#

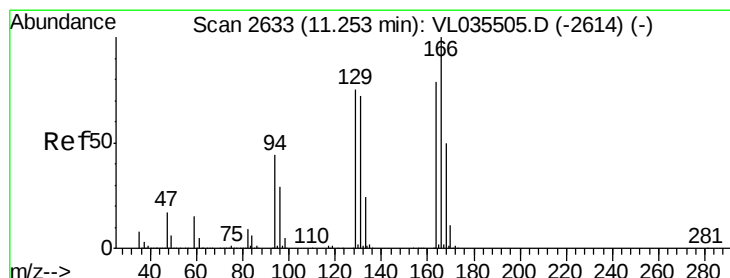
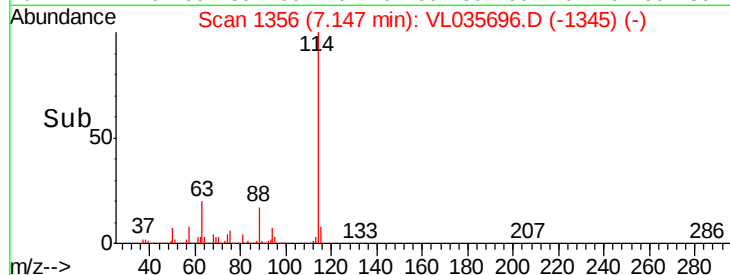
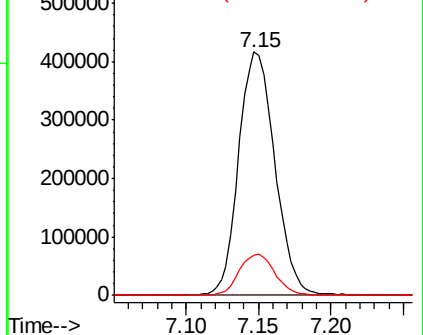
62 16.7 55.4 83.0#



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: 14.734 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL035696.D

Acq: 21 Sep 2020 21:31

Tgt Ion:164 Resp: 2097644

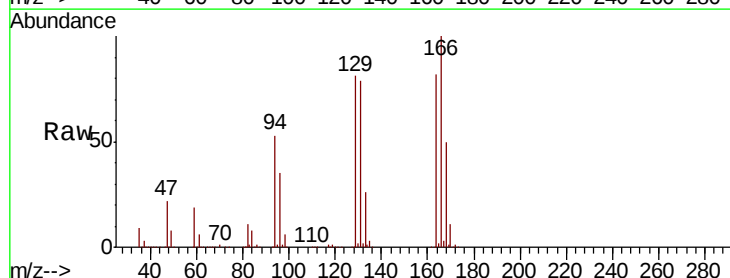
Ion Ratio Lower Upper

164 100

166 122.0 100.9 151.3

129 98.6 75.3 112.9

131 96.9 73.0 109.4

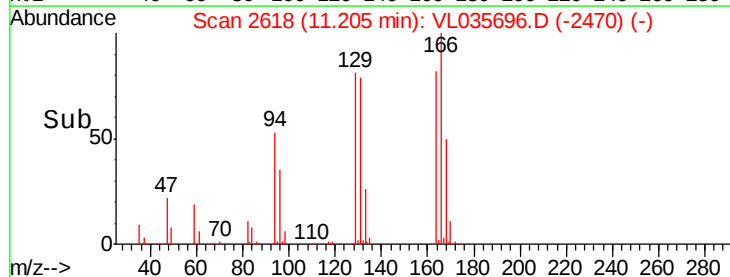
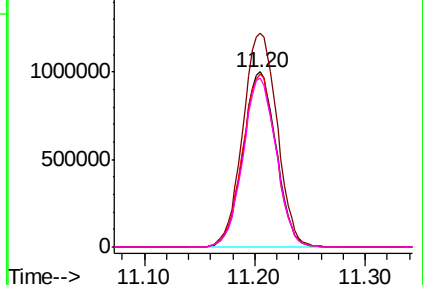


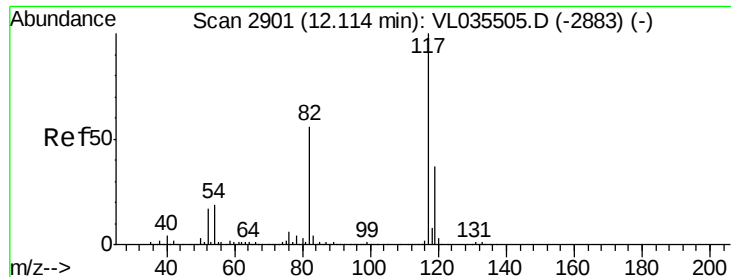
Abundance Ion 163.90 (163.60 to 164.60): V

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

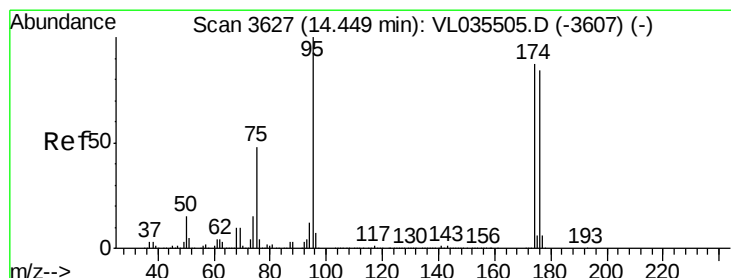
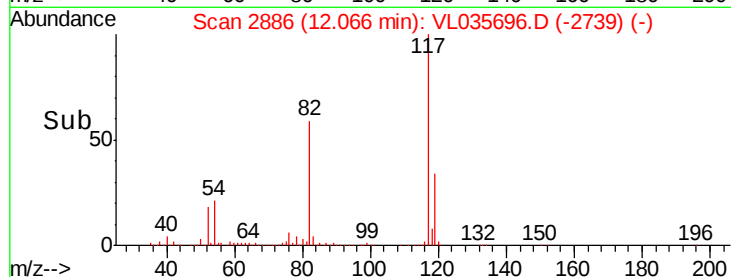
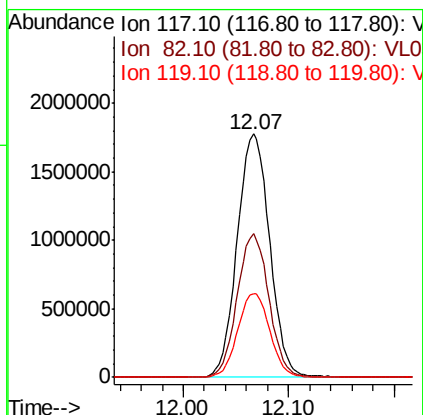
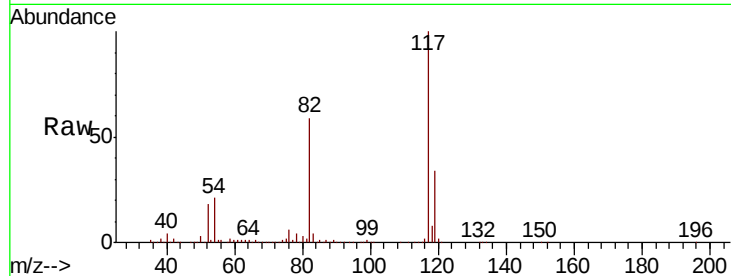




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL035696.D
Acq: 21 Sep 2020 21:31

Instrument :
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ClientSampleId :
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Tot Ion:117 Resp: 3805246
Ion Ratio Lower Upper
117 100
82 57.8 41.6 62.4
119 34.2 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.03 min
Lab File: VL035696.D
Acq: 21 Sep 2020 21:31

Tgt Ion: 95 Resp: 2765238
Ion Ratio Lower Upper
95 100
174 77.7 69.6 104.4
175 5.5 5.1 7.7

