

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035030.D
 Acq On : 14 May 2020 21:35
 Operator : SY/AP
 Sample : L2566-07DL2 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1186540	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2764951	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2623724	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2155341	10.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

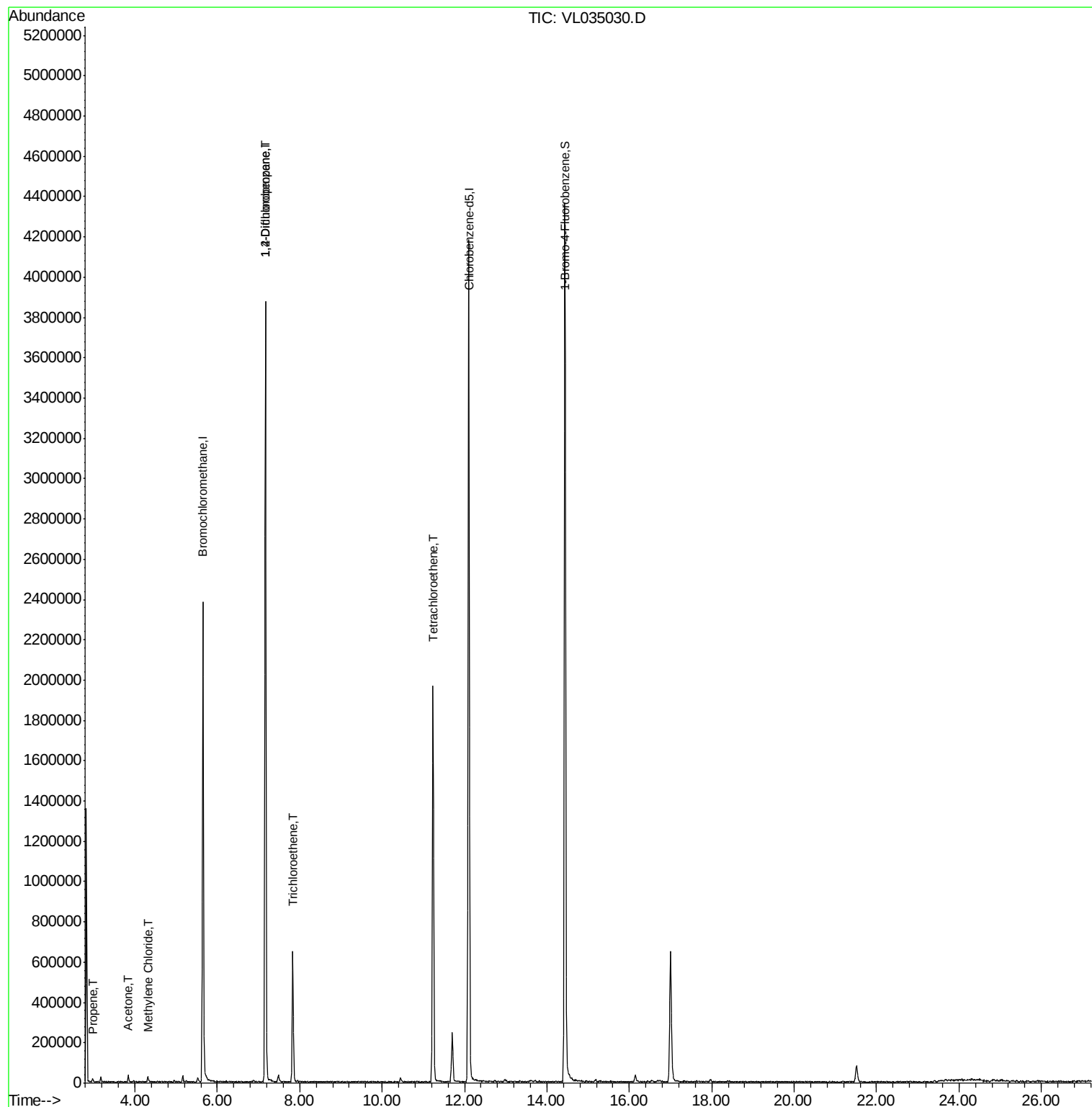
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	2428	0.041	ppbv #	64
15) Acetone	3.84	43	24651	0.157	ppbv #	57
20) Methylene Chloride	4.31	84	2918	0.056	ppbv #	71
38) Trichloroethene	7.83	130	195398	2.213	ppbv	96
39) 1,2-Dichloropropane	7.17	63	745753	8.161	ppbv #	24
52) Tetrachloroethene	11.24	164	494901	6.106	ppbv	98

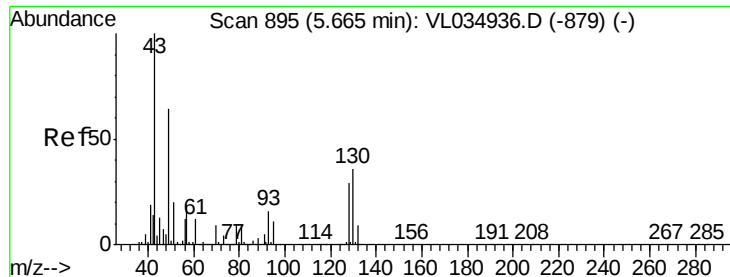
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035030.D

Acq: 14 May 2020 21:35

Instrument :

MSVOA_L

ClientSampled :

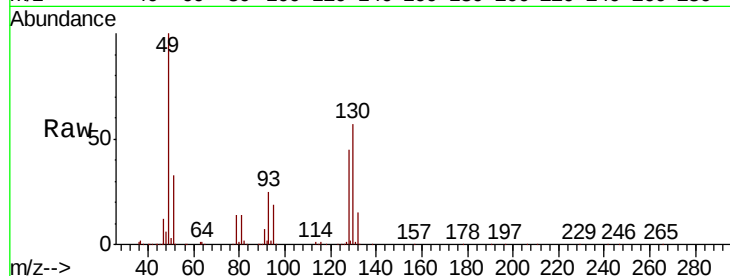
Tot Ion: 49 Resp: 1186540

Ion Ratio Lower Upper

49 100

128 45.0 22.1 66.5

130 58.3 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

800000

600000

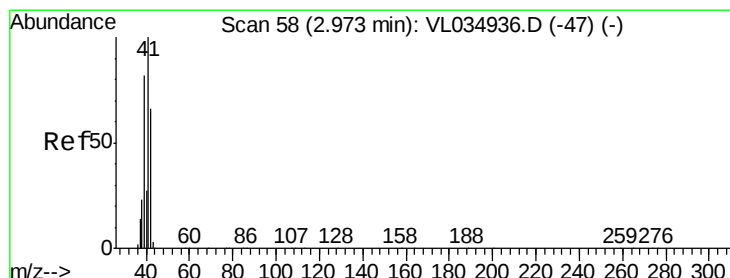
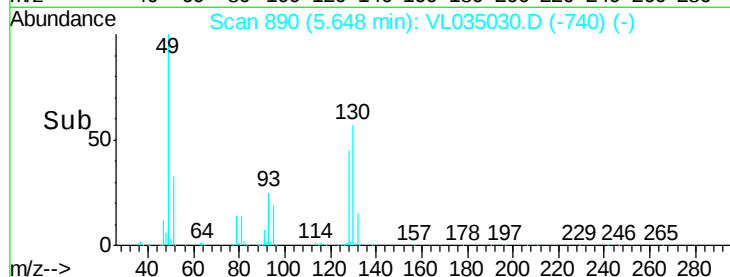
400000

200000

0

5.60 5.65 5.70

Time-->



#9

Propene

Concen: 0.041 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035030.D

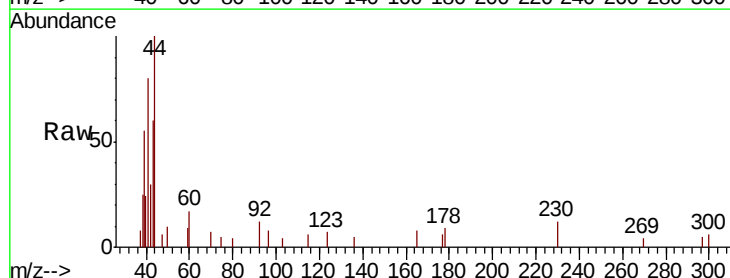
Acq: 14 May 2020 21:35

Tgt Ion: 41 Resp: 2428

Ion Ratio Lower Upper

41 100

42 96.9 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3000

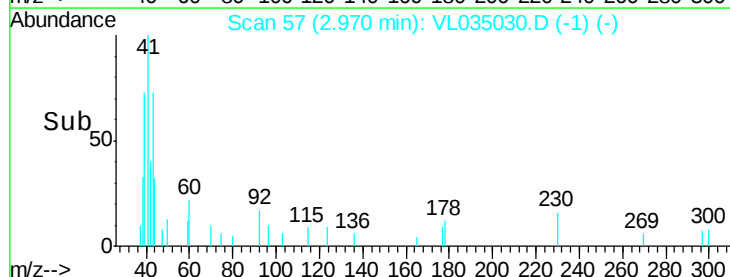
2000

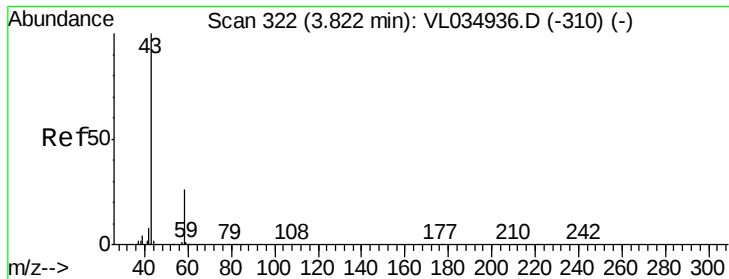
1000

0

2.96 2.97 2.98

Time-->

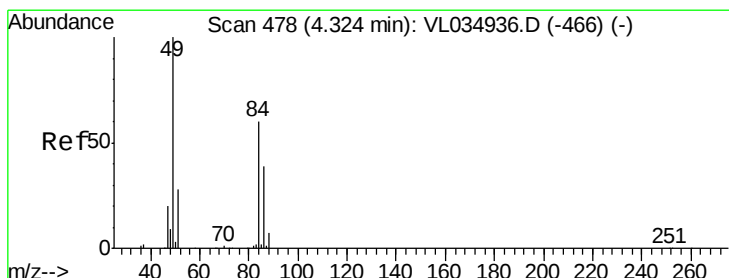
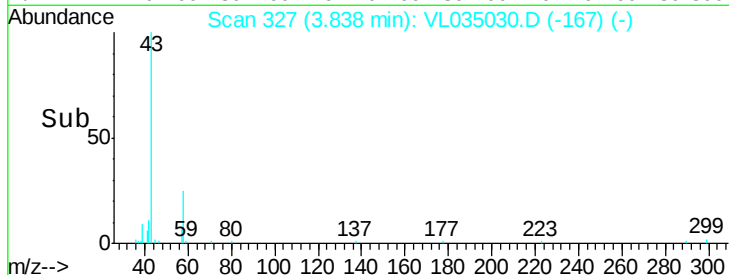
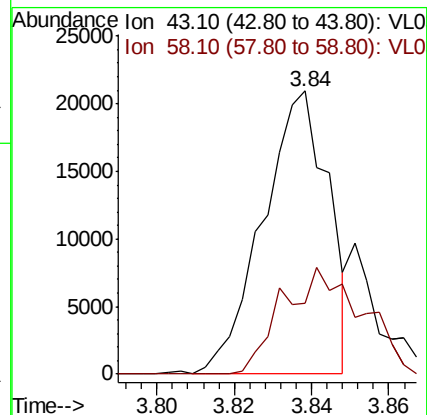
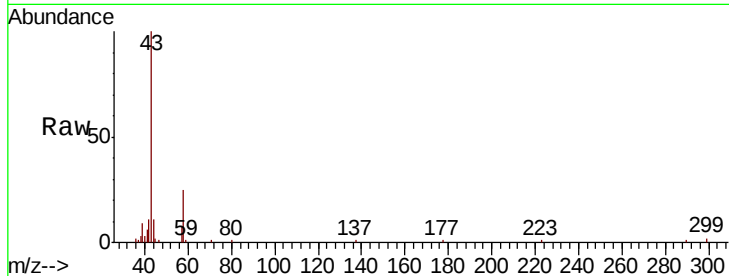




#15
Acetone
Concen: 0.157 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL035030.D
Acq: 14 May 2020 21:35

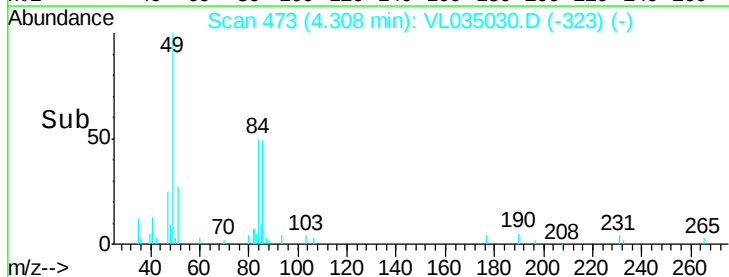
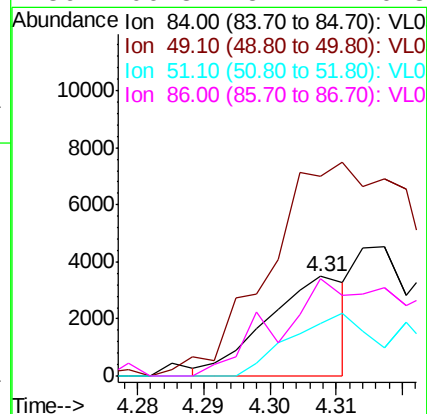
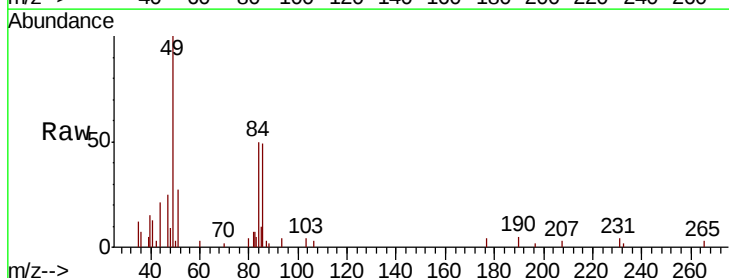
Instrument :
MSVOA_L
ClientSampleId :

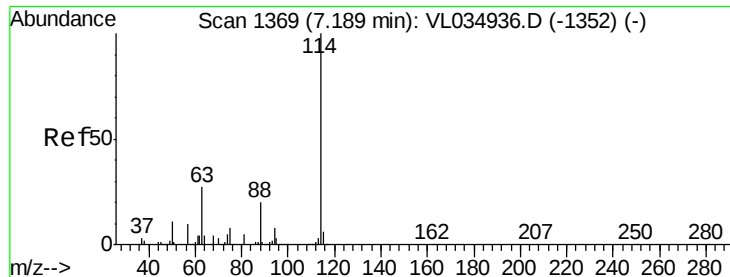
Tot Ion: 43 Resp: 24651
Ion Ratio Lower Upper
43 100
58 49.6 21.7 32.5#



#20
Methylene Chloride
Concen: 0.056 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035030.D
Acq: 14 May 2020 21:35

Tgt Ion: 84 Resp: 2918
Ion Ratio Lower Upper
84 100
49 196.5 132.5 198.7
51 57.8 38.4 57.6#
86 106.8 51.2 76.8#

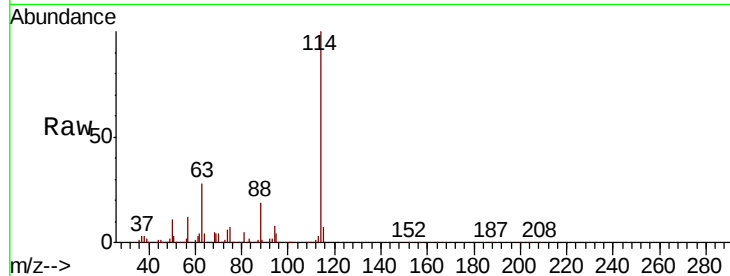




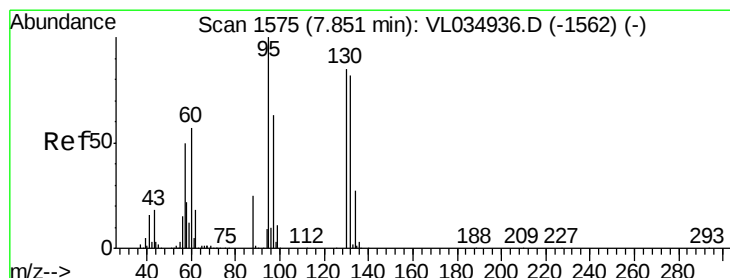
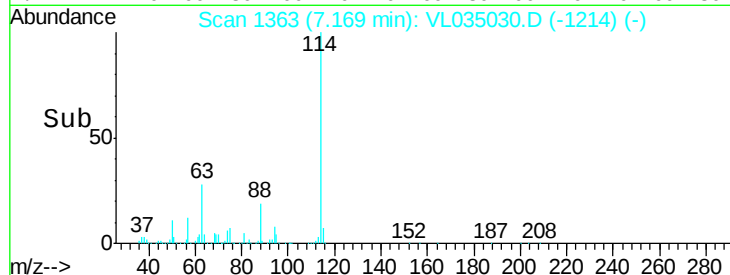
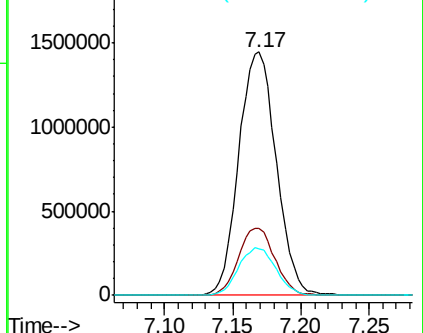
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035030.D
 Acq: 14 May 2020 21:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2764951
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.2 33.4
 88 19.5 15.5 23.3

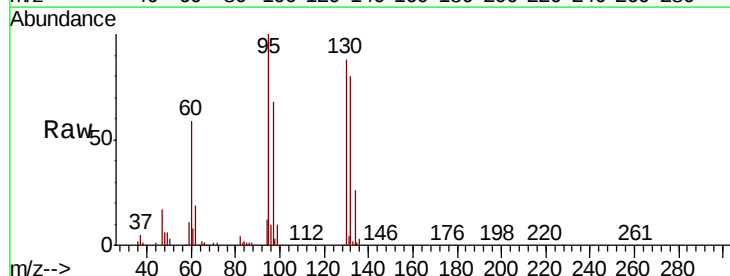


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

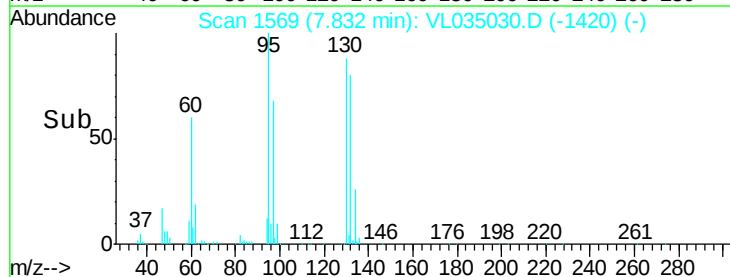
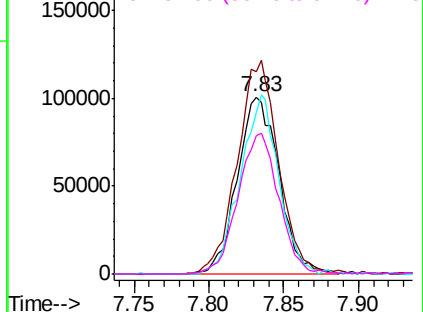


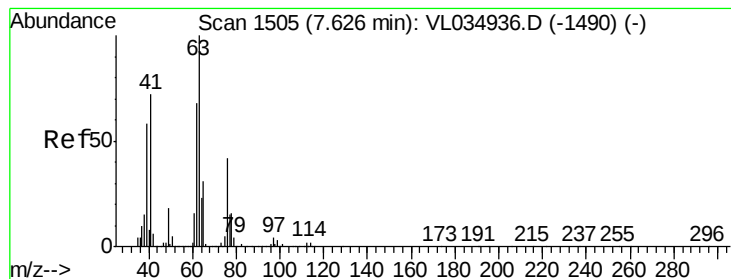
#38
 Trichloroethene
 Concen: 2.213 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035030.D
 Acq: 14 May 2020 21:35

Tgt Ion:130 Resp: 195398
 Ion Ratio Lower Upper
 130 100
 95 113.5 93.4 140.0
 132 91.2 76.4 114.6
 97 78.1 58.5 87.7



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





#39

1,2-Dichloropropane

Concen: 8.161 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL035030.D

Acq: 14 May 2020 21:35

Instrument :

MSVOA_L

ClientSampleId :

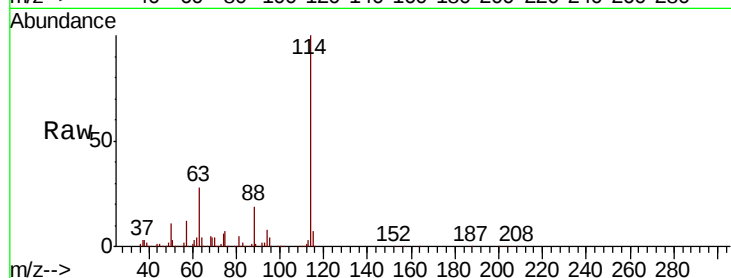
Tot Ion: 63 Resp: 745753

Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

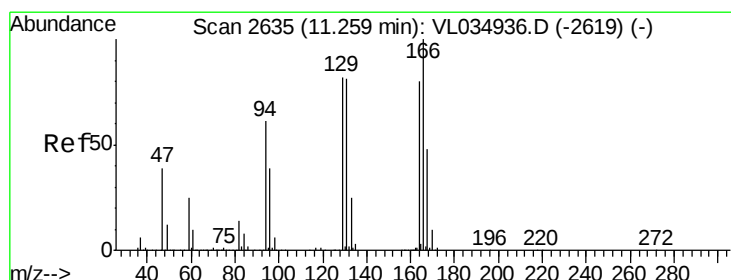
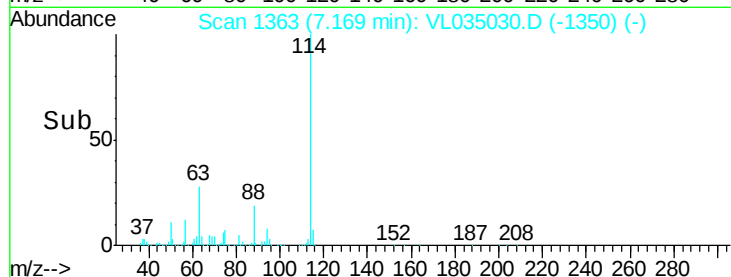
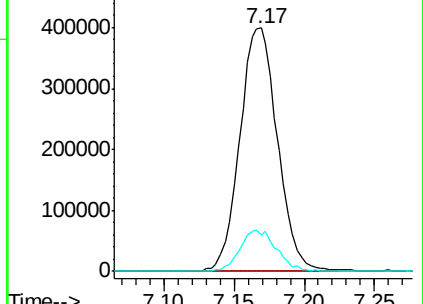
62 15.1 54.2 81.2#



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: 6.106 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.02 min

Lab File: VL035030.D

Acq: 14 May 2020 21:35

Tgt Ion:164 Resp: 494901

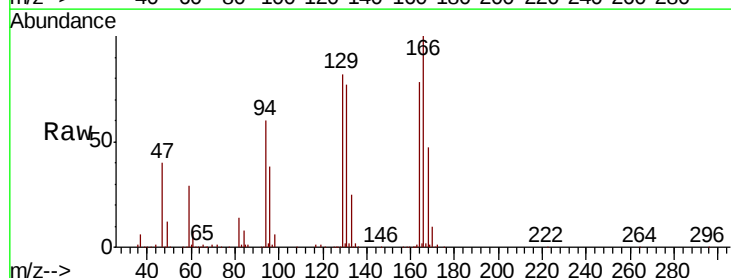
Ion Ratio Lower Upper

164 100

166 128.7 100.7 151.1

129 105.7 83.0 124.4

131 99.5 81.0 121.4

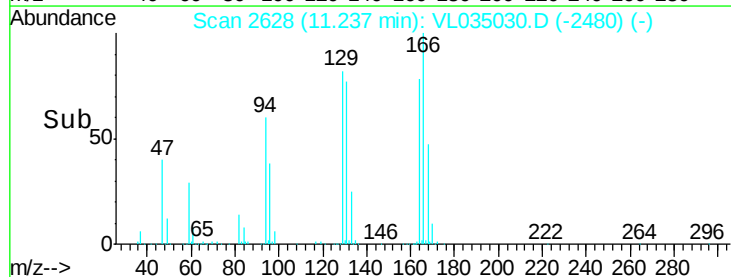
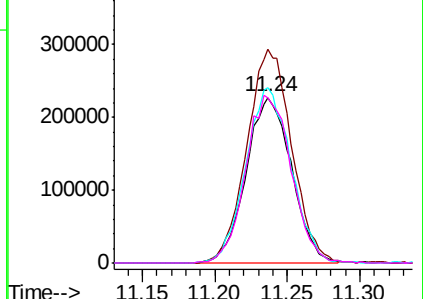


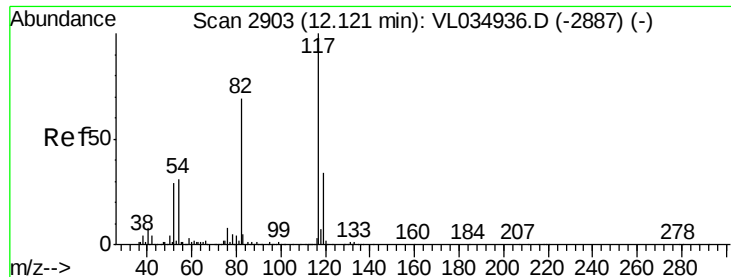
Abundance Ion 163.90 (163.60 to 164.60): V

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

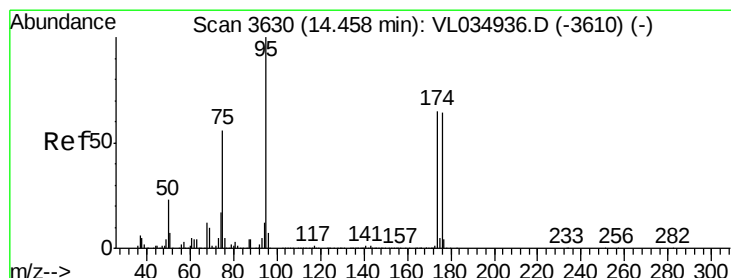
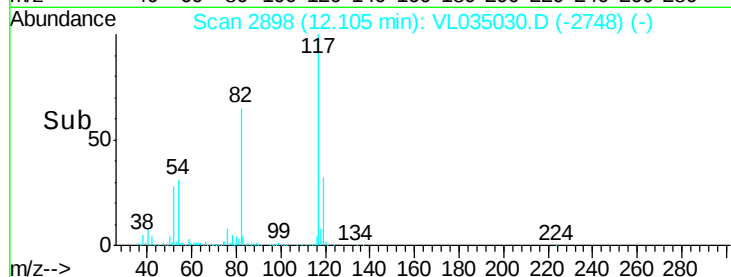
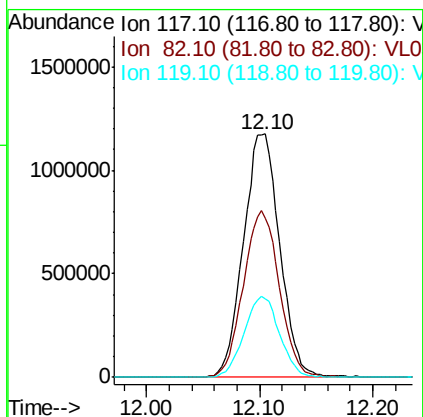
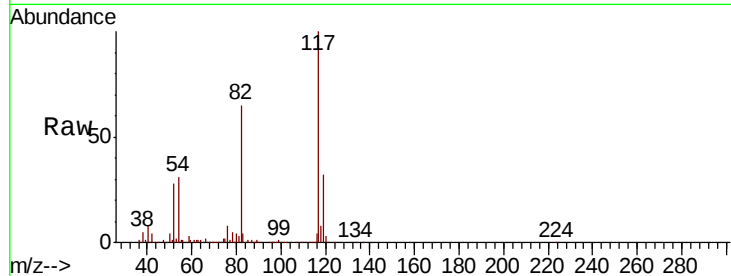




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035030.D
Acq: 14 May 2020 21:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2623724
Ion Ratio Lower Upper
117 100
82 68.1 53.1 79.7
119 32.8 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.149 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.02 min
Lab File: VL035030.D
Acq: 14 May 2020 21:35

Tgt Ion: 95 Resp: 2155341
Ion Ratio Lower Upper
95 100
174 67.3 51.5 77.3
175 5.1 3.8 5.8

