

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035034.D
 Acq On : 15 May 2020 00:44
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 05:36:40 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	1018225	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2369783	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2259442	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1951573	10.67	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

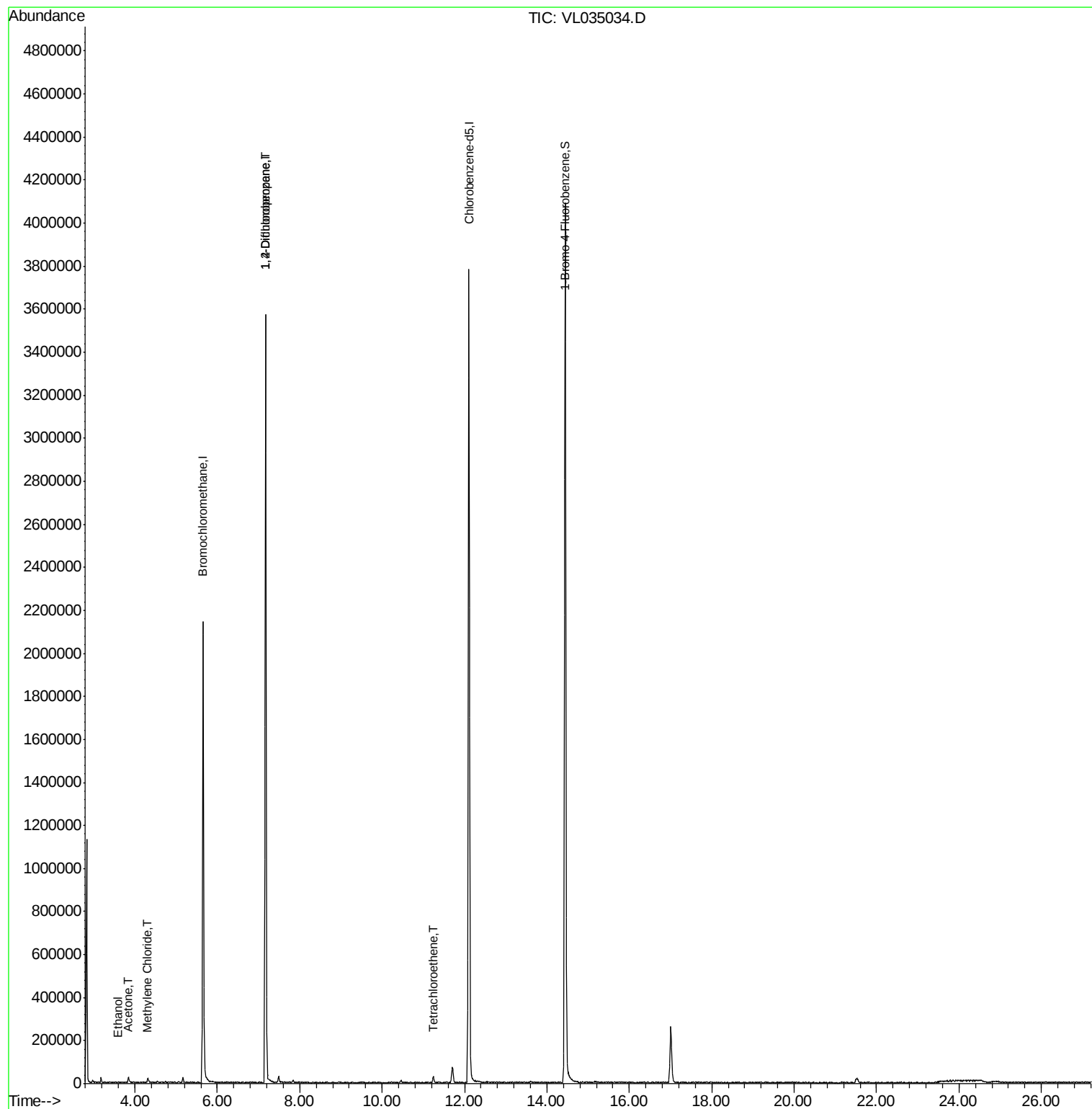
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	560	0.034	ppbv #	39
15) Acetone	3.84	43	22719	0.169	ppbv #	69
20) Methylene Chloride	4.31	84	3457	0.078	ppbv #	55
39) 1,2-Dichloropropane	7.17	63	665399	8.496	ppbv #	25
52) Tetrachloroethene	11.24	164	3811	0.055	ppbv #	34

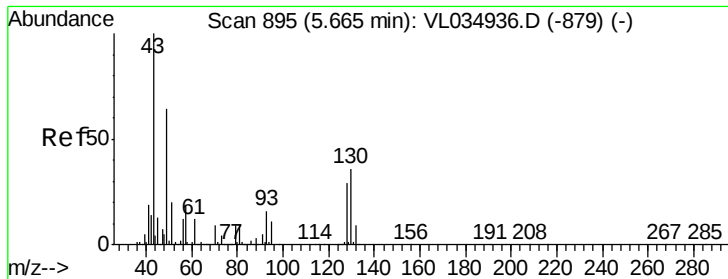
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
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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# 891

Delta R.T. -0.01 min

Lab File: VL035034.D

Acq: 15 May 2020 00:44

Instrument :

MSVOA_L

ClientSampled :

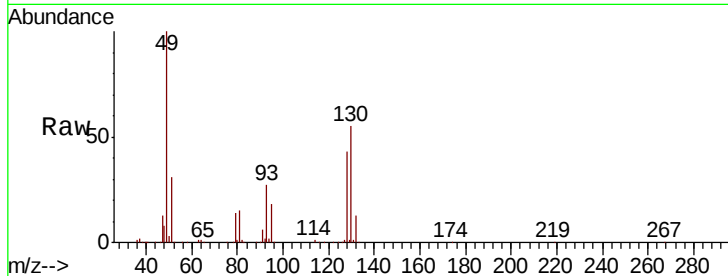
Tot Ion: 49 Resp: 1018225

Ion Ratio Lower Upper

49 100

128 46.2 22.1 66.5

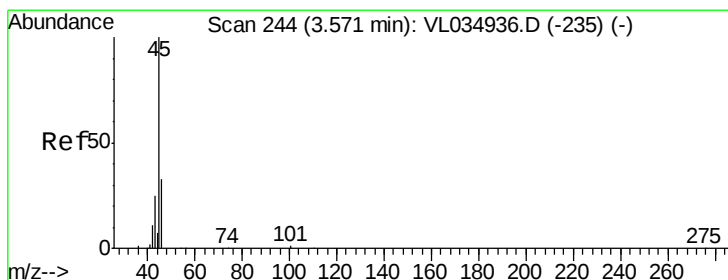
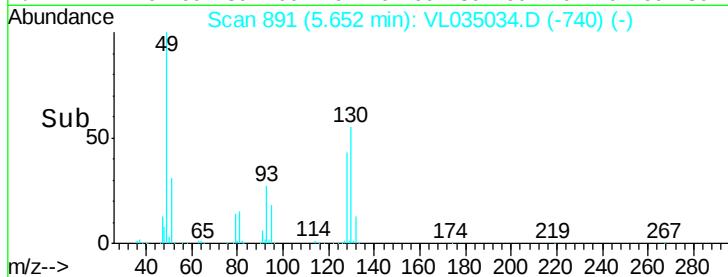
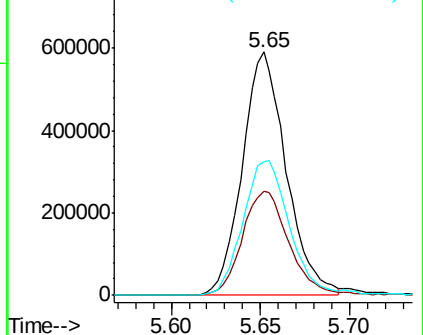
130 59.9 29.1 87.3



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



#13

Ethanol

Concen: 0.034 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL035034.D

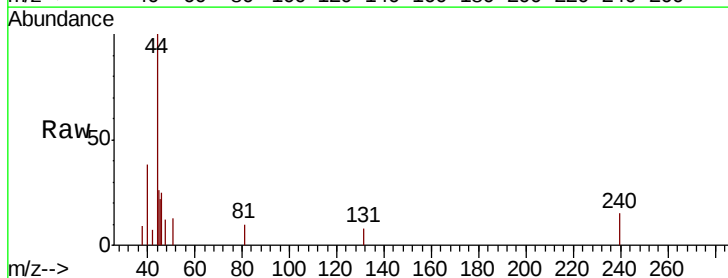
Acq: 15 May 2020 00:44

Tgt Ion: 45 Resp: 560

Ion Ratio Lower Upper

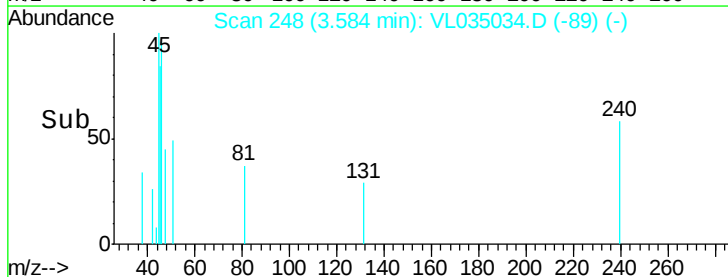
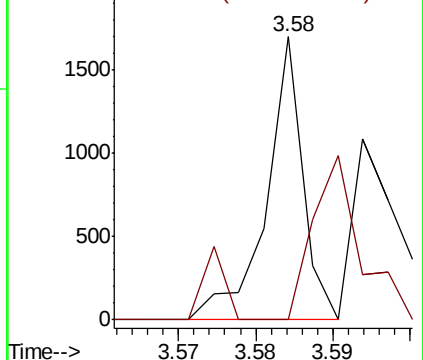
45 100

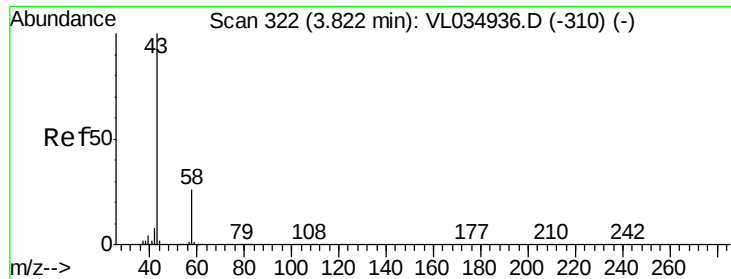
46 0.0 14.3 57.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

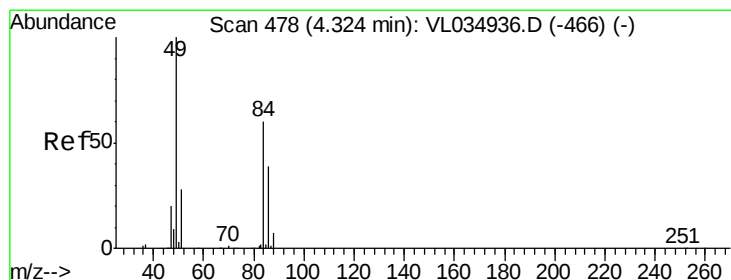
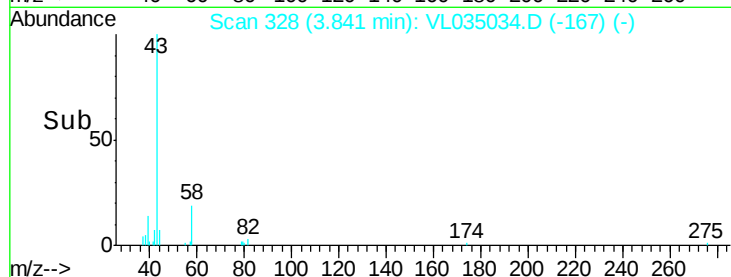
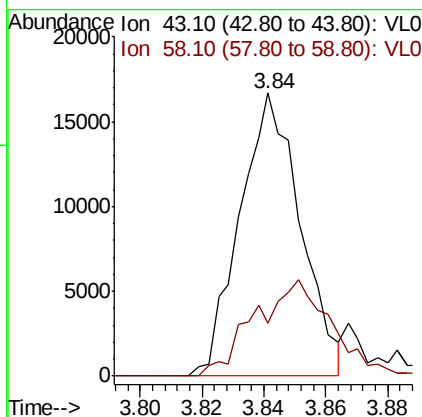
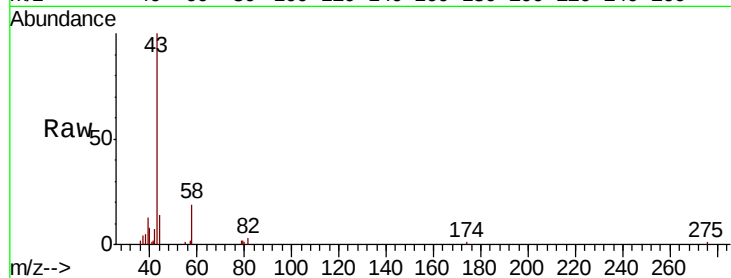




#15
Acetone
Concen: 0.169 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL035034.D
Acq: 15 May 2020 00:44

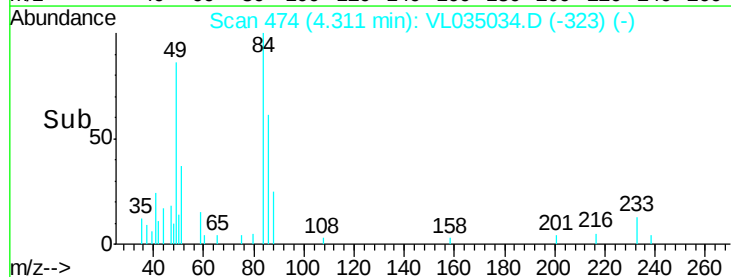
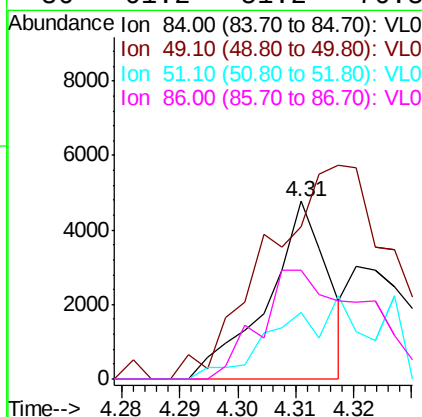
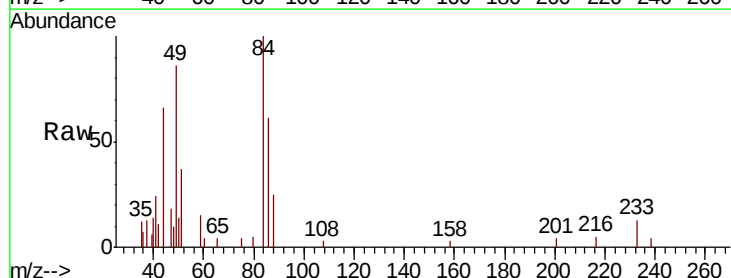
Instrument :
MSVOA_L
ClientSampleId :

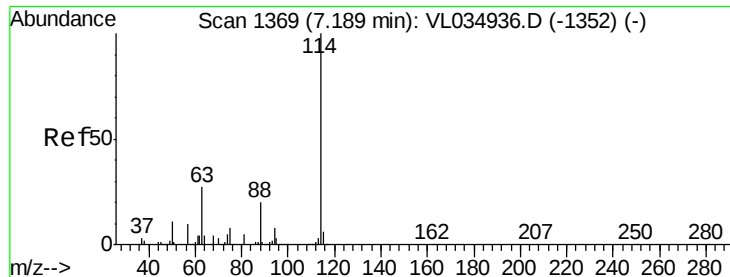
Tot Ion: 43 Resp: 22719
Ion Ratio Lower Upper
43 100
58 43.1 21.7 32.5#



#20
Methylene Chloride
Concen: 0.078 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035034.D
Acq: 15 May 2020 00:44

Tgt Ion: 84 Resp: 3457
Ion Ratio Lower Upper
84 100
49 72.2 132.5 198.7#
51 37.3 38.4 57.6#
86 61.2 51.2 76.8



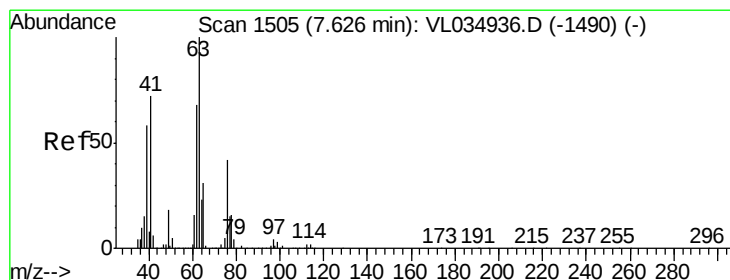
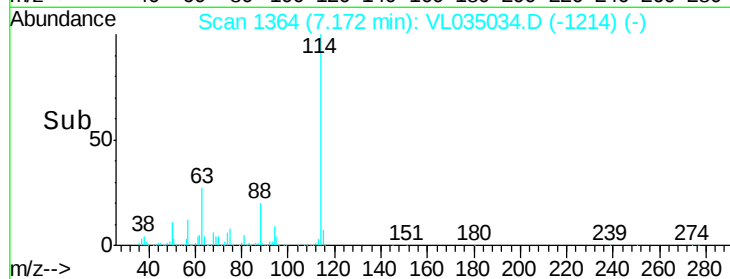
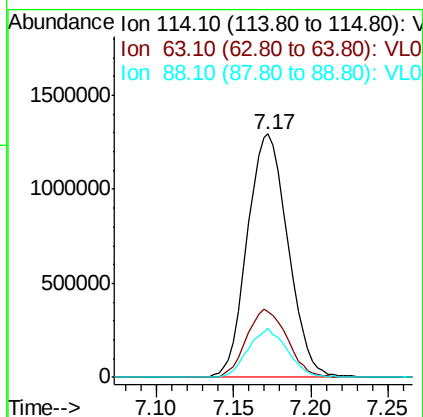
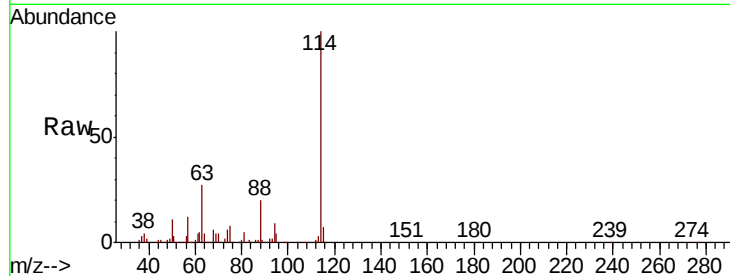


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035034.D
 Acq: 15 May 2020 00:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2369783

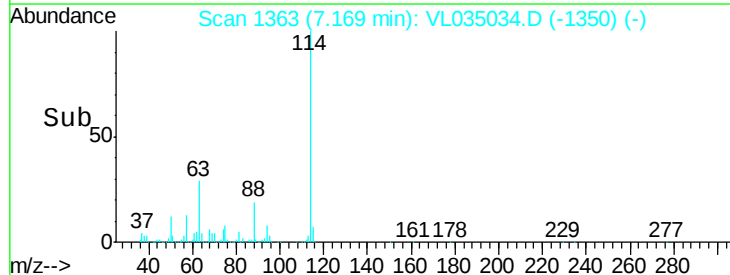
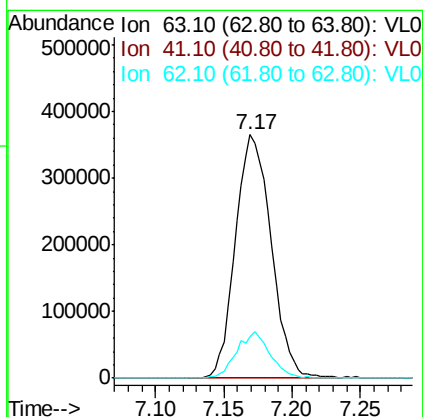
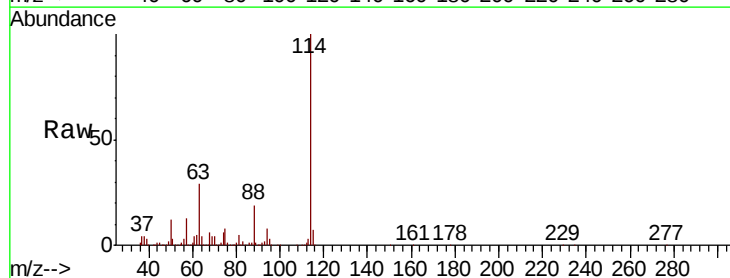
Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.4
88	19.4	15.5	23.3

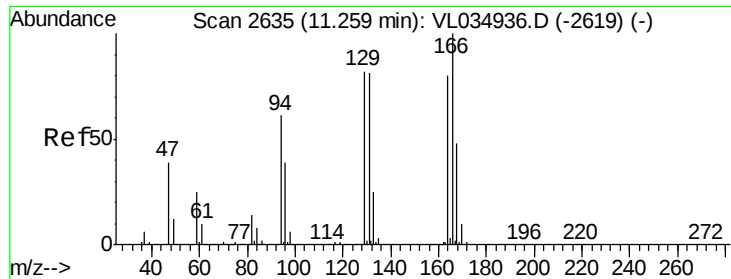


#39
 1,2-Dichloropropane
 Concen: 8.496 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.46 min
 Lab File: VL035034.D
 Acq: 15 May 2020 00:44

Tgt Ion: 63 Resp: 665399

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	16.9	54.2	81.2#





#52

Tetrachloroethene

Concen: 0.055 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.02 min

Lab File: VL035034.D

Acq: 15 May 2020 00:44

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:164 Resp: 3811

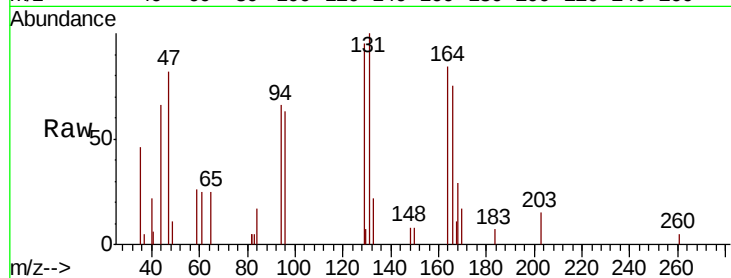
Ion Ratio Lower Upper

164 100

166 0.0 100.7 151.1#

129 124.3 83.0 124.4

131 159.6 81.0 121.4#



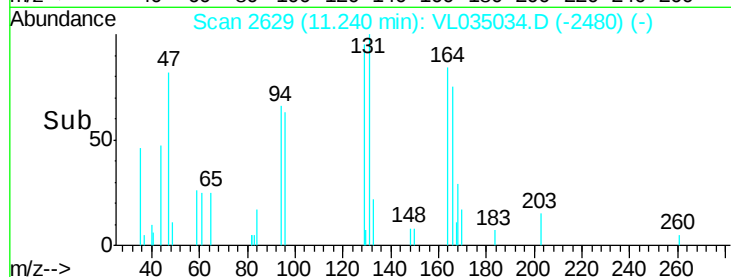
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

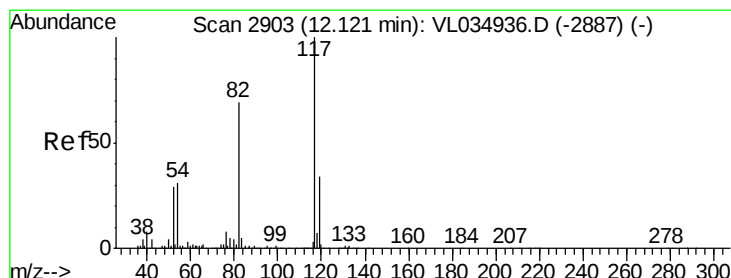
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VL035034.D

Acq: 15 May 2020 00:44

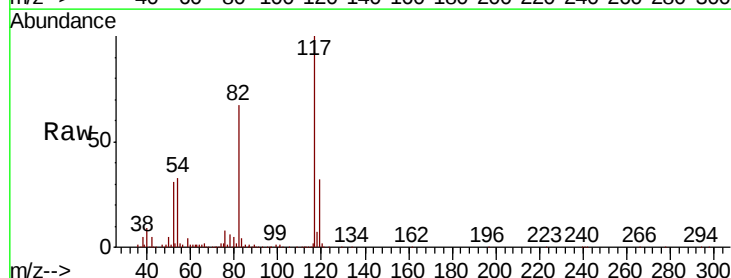
Tgt Ion:117 Resp: 2259442

Ion Ratio Lower Upper

117 100

82 69.2 53.1 79.7

119 32.6 26.7 40.1

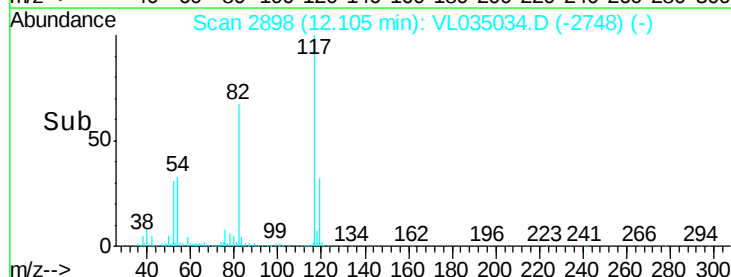


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

Time-->



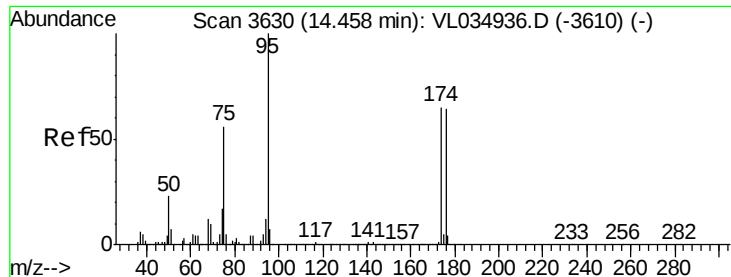
Abundance

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

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.671 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.02 min

Lab File: VL035034.D

Acq: 15 May 2020 00:44

Instrument :

MSVOA_L

ClientSampleId :

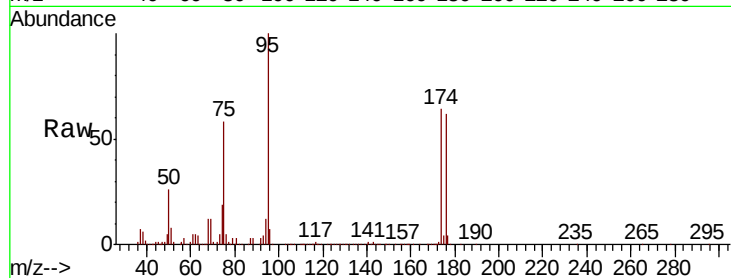
Tot Ion: 95 Resp: 1951573

Ion Ratio Lower Upper

95 100

174 63.0 51.5 77.3

175 4.6 3.8 5.8



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

