

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035149.D
 Acq On : 6 Jul 2020 17:14
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 07 05:04:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1036416	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2427208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2254130	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1930232	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

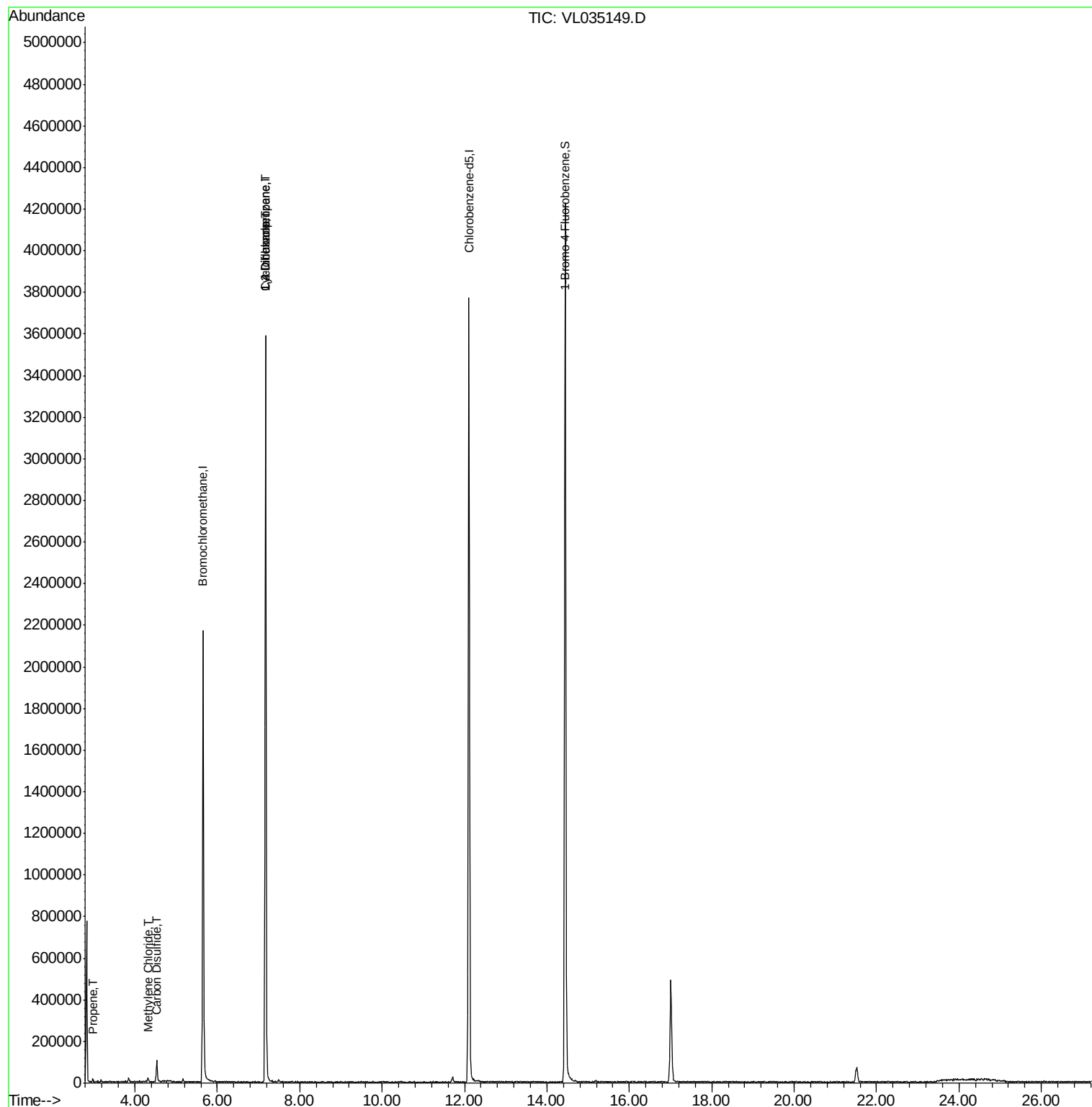
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	1881	0.041	ppbv	98
20) Methylene Chloride	4.31	84	2860	0.056	ppbv #	72
27) Carbon Disulfide	4.53	76	127026	1.204	ppbv	99
30) Cyclohexane	7.16	84	7931	0.108	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	660296	8.982	ppbv #	24

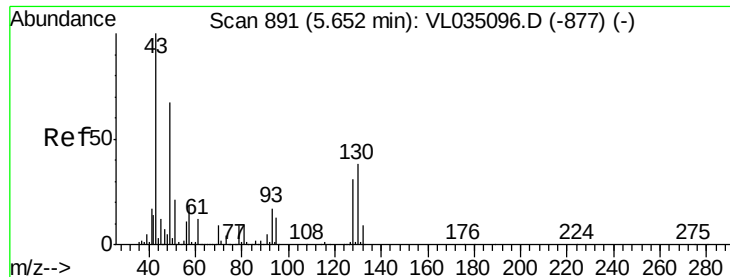
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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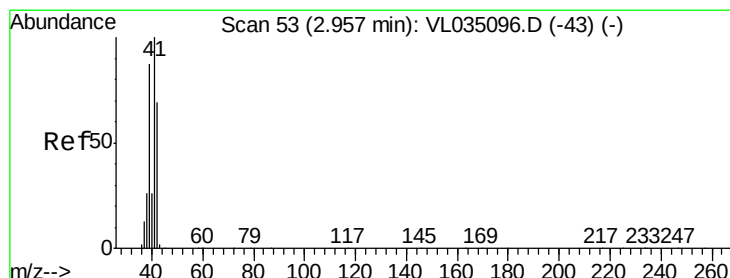
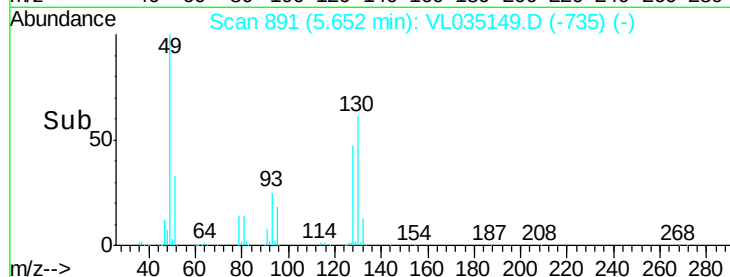
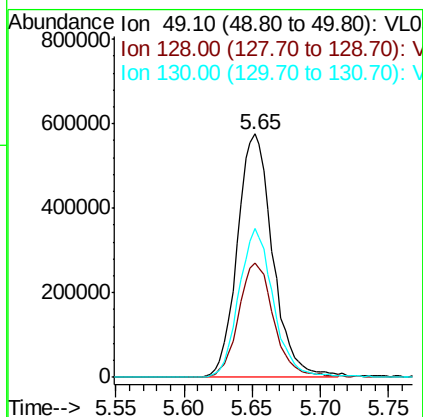
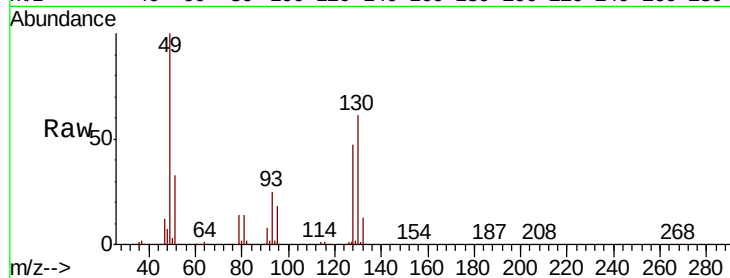




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL035149.D
 Acq: 6 Jul 2020 17:14

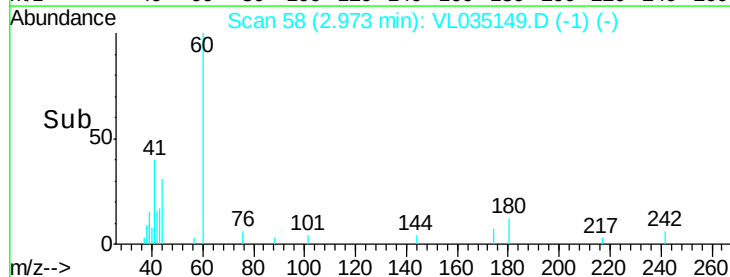
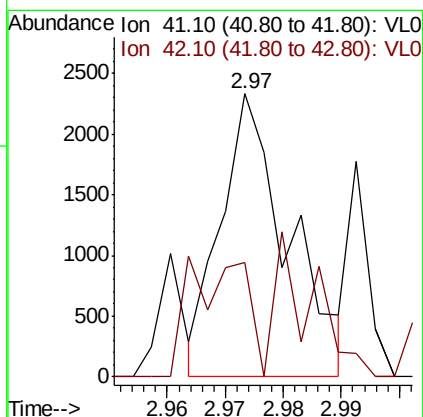
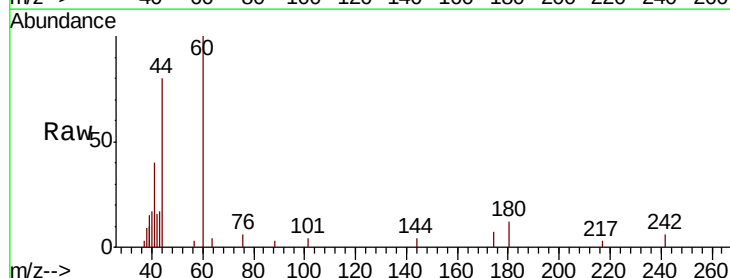
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

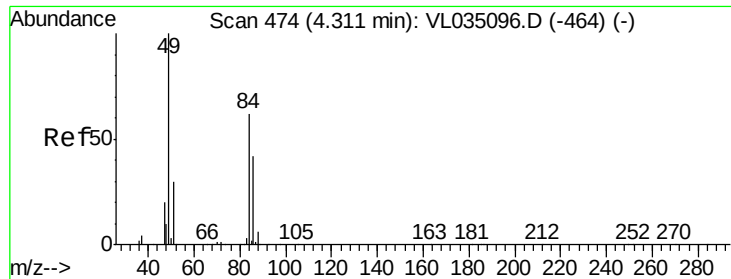
Tot Ion: 49 Resp: 1036416
 Ion Ratio Lower Upper
 49 100
 128 47.4 22.9 68.5
 130 60.5 29.0 87.0



#9
 Propene
 Concen: 0.041 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. 0.02 min
 Lab File: VL035149.D
 Acq: 6 Jul 2020 17:14

Tgt Ion: 41 Resp: 1881
 Ion Ratio Lower Upper
 41 100
 42 71.7 55.8 83.6

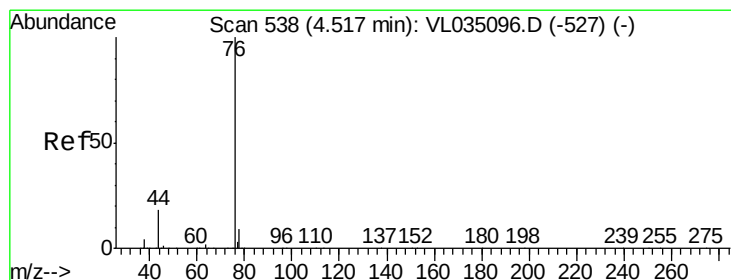
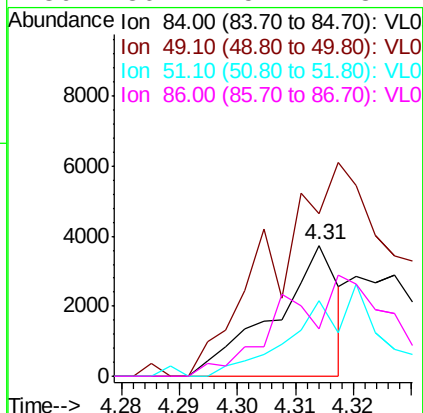
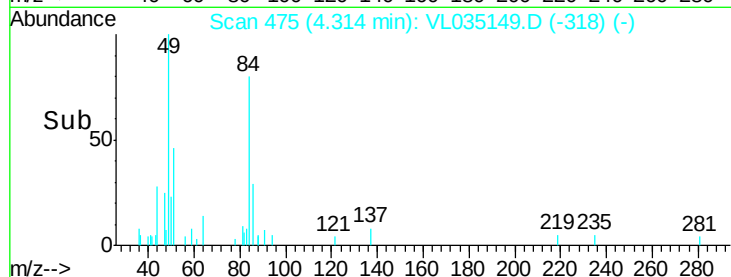
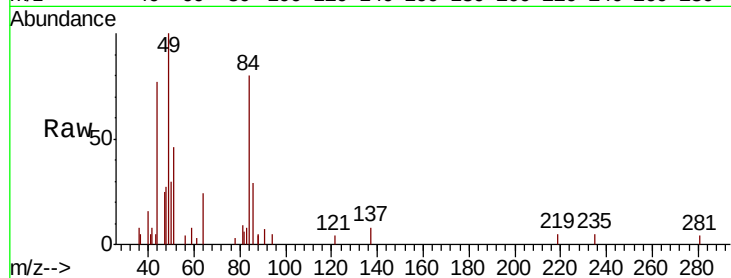




#20
Methylene Chloride
Concen: 0.056 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035149.D
Acq: 6 Jul 2020 17:14

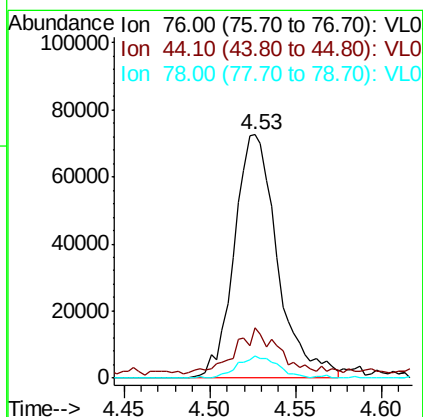
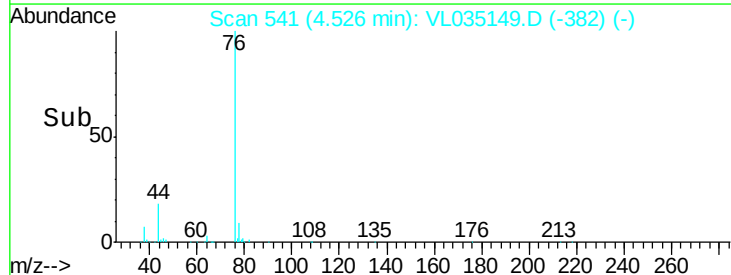
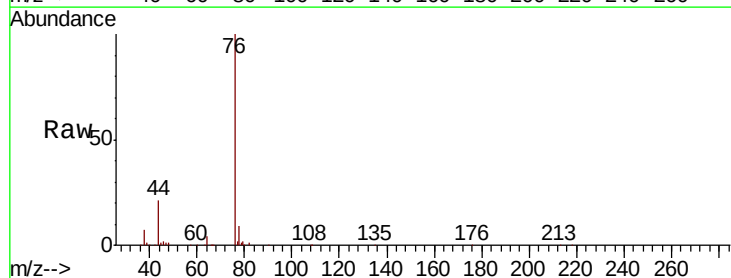
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

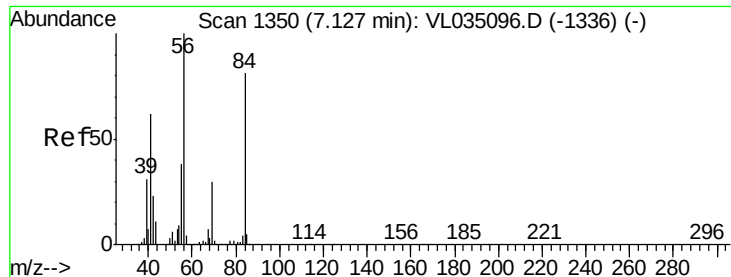
Tot Ion: 84 Resp: 2860
Ion Ratio Lower Upper
84 100
49 124.3 128.8 193.2#
51 57.2 38.7 58.1
86 36.4 54.1 81.1#



#27
Carbon Disulfide
Concen: 1.204 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.01 min
Lab File: VL035149.D
Acq: 6 Jul 2020 17:14

Tgt Ion: 76 Resp: 127026
Ion Ratio Lower Upper
76 100
44 20.4 15.8 23.8
78 8.8 7.6 11.4

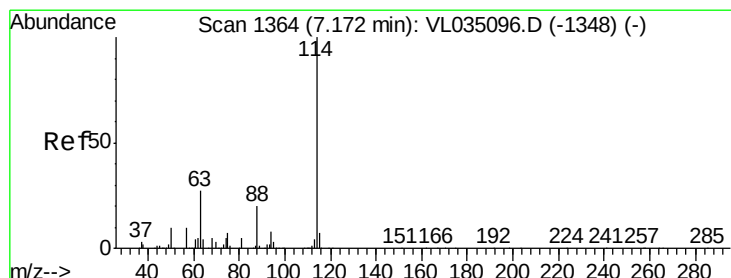
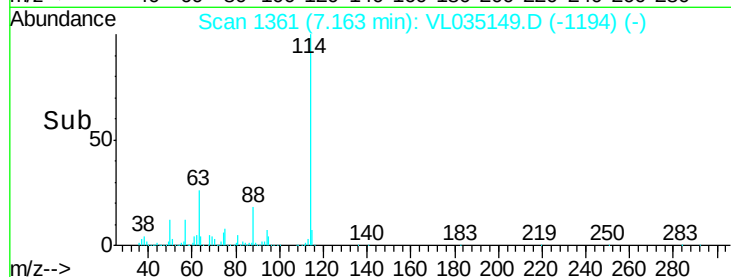
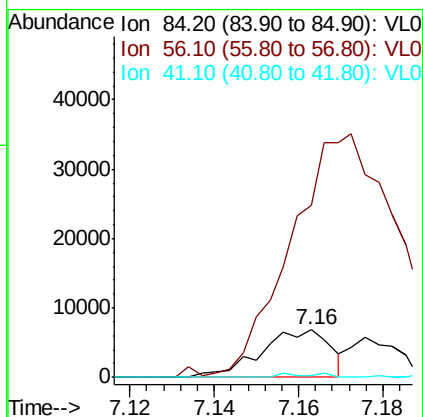
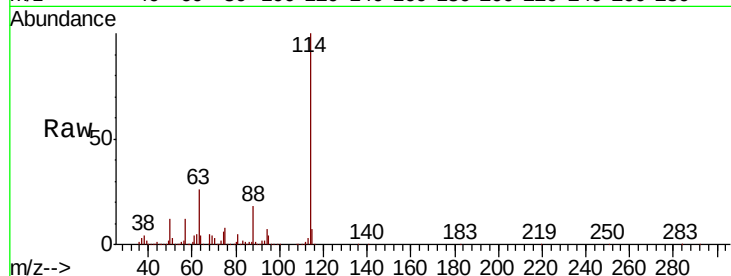




#30
Cyclohexane
Concen: 0.108 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.04 min
Lab File: VL035149.D
Acq: 6 Jul 2020 17:14

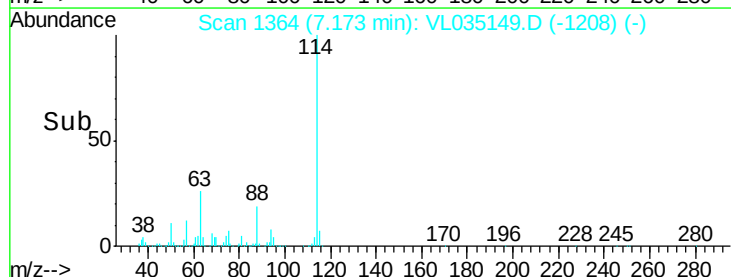
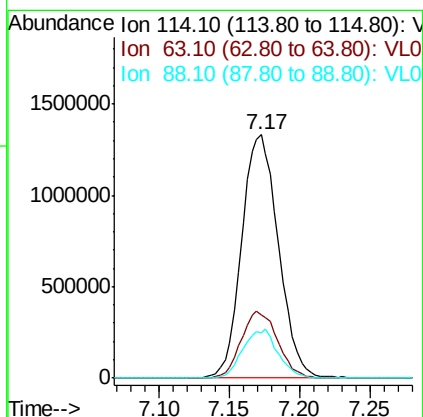
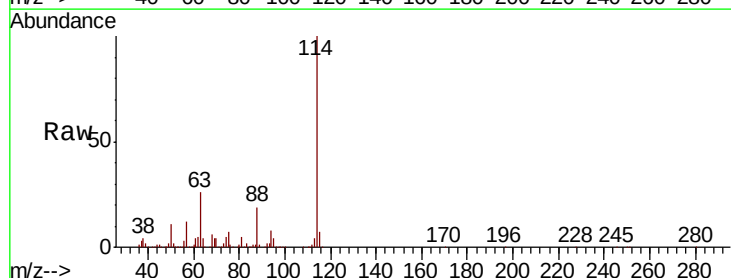
Instrument :
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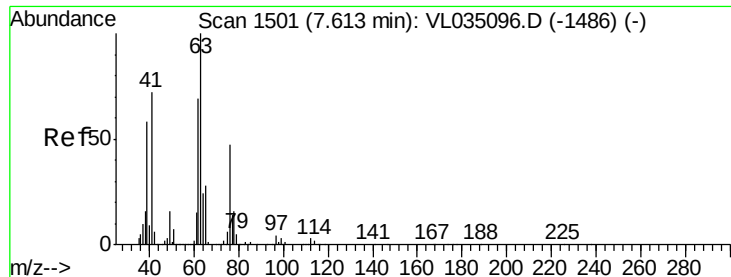
Tot Ion: 84 Resp: 7931
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 5.2 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL035149.D
Acq: 6 Jul 2020 17:14

Tgt Ion: 114 Resp: 2427208
Ion Ratio Lower Upper
114 100
63 27.4 21.9 32.9
88 19.3 15.6 23.4





#39

1,2-Dichloropropane

Concen: 8.982 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL035149.D

Acq: 6 Jul 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

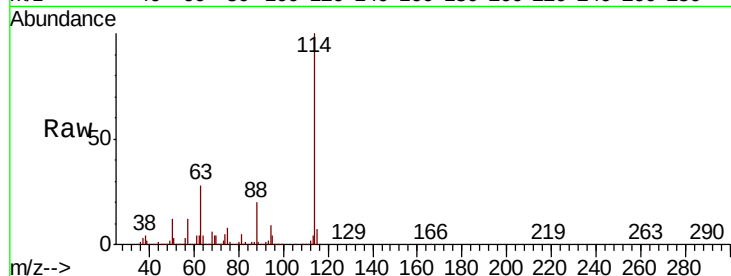
Tot Ion: 63 Resp: 660296

Ion Ratio Lower Upper

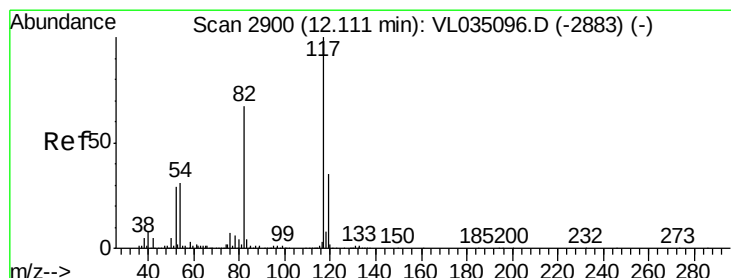
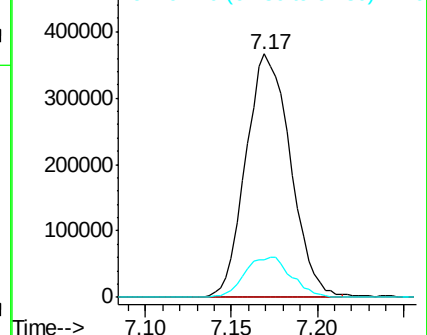
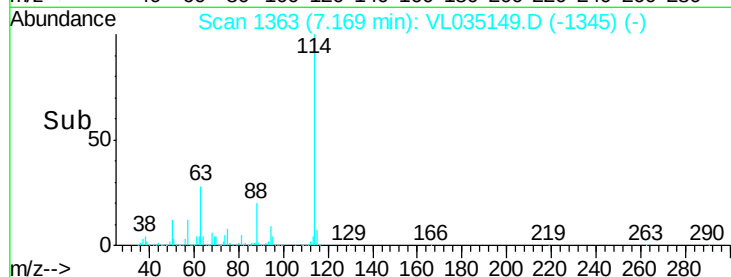
63 100

41 0.0 58.0 87.0#

62 15.6 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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035149.D

Acq: 6 Jul 2020 17:14

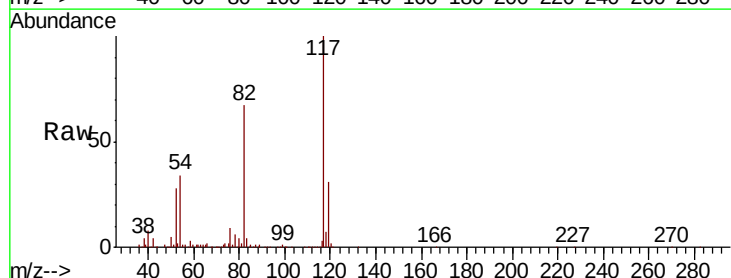
Tgt Ion: 117 Resp: 2254130

Ion Ratio Lower Upper

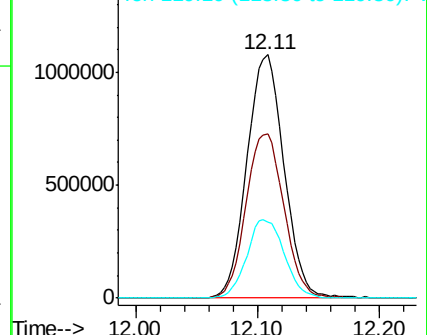
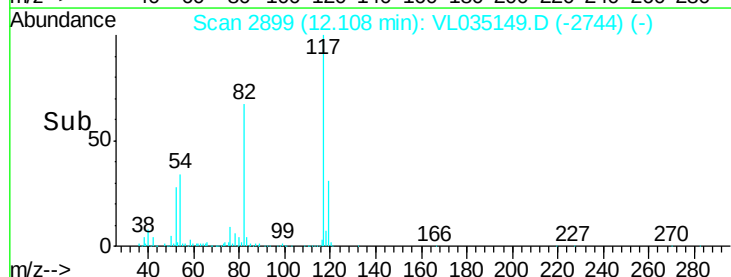
117 100

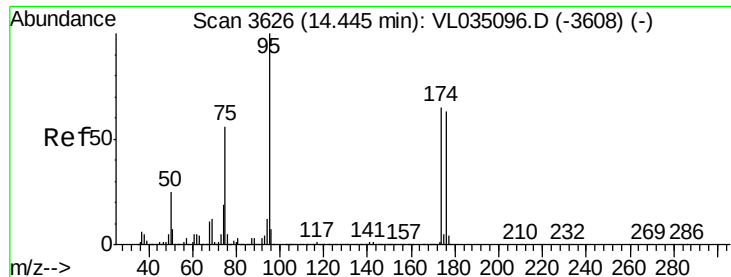
82 69.8 50.4 75.6

119 32.6 25.4 38.0



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: 10.308 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

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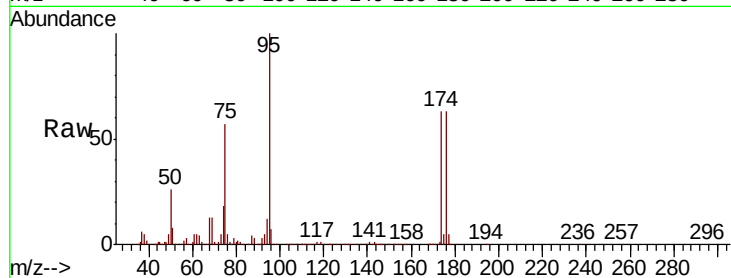
Tot Ion: 95 Resp: 1930232

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

1200000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

