

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035620.D
 Acq On : 15 Sep 2020 4:34
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:46:03 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	5.65	49	911061	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3822717	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3911104	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2844274	10.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

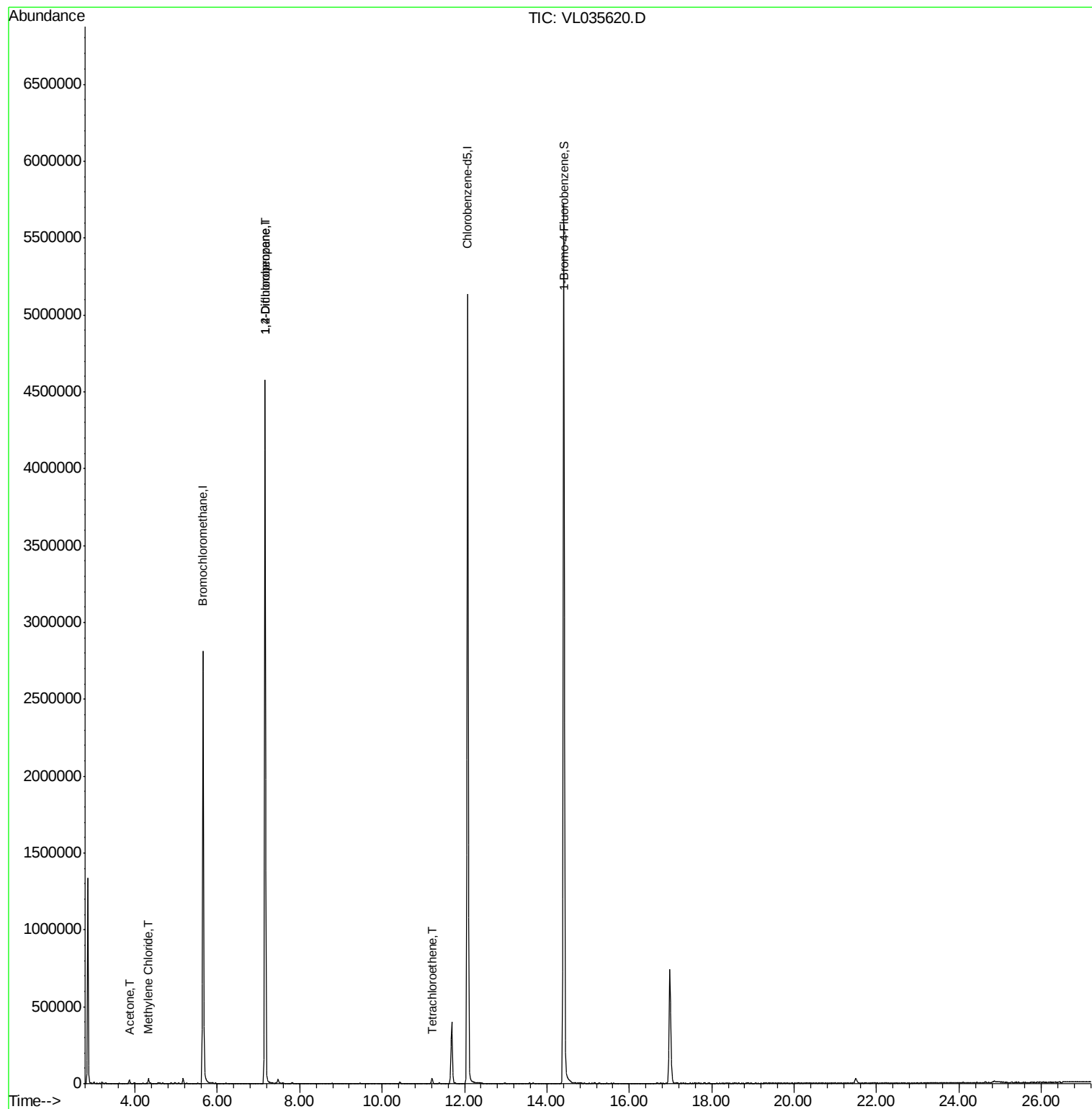
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	16853	0.168	ppbv #	38
20) Methylene Chloride	4.33	84	12828	0.171	ppbv	95
39) 1,2-Dichloropropane	7.16	63	689530	8.249	ppbv #	33
52) Tetrachloroethene	11.21	164	4933	0.034	ppbv	95

(#) = 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. -0.01 min

Lab File: VL035620.D

Acq: 15 Sep 2020 4:34

Instrument :

MSVOA_L

ClientSampled :

VIBLK

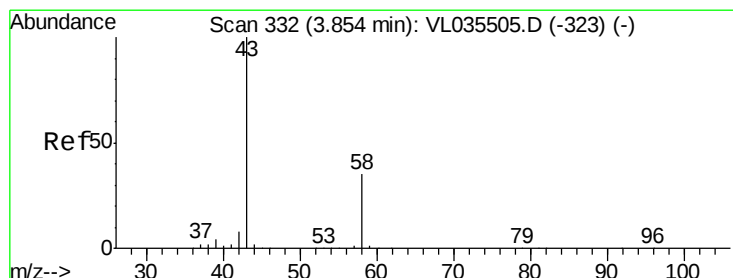
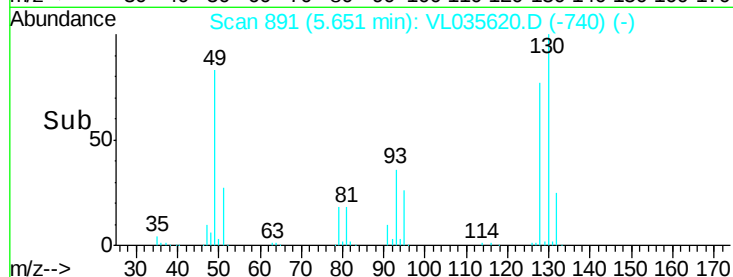
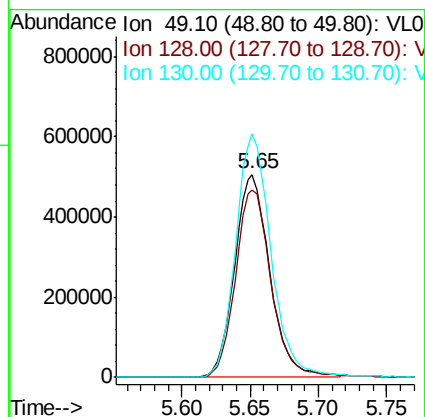
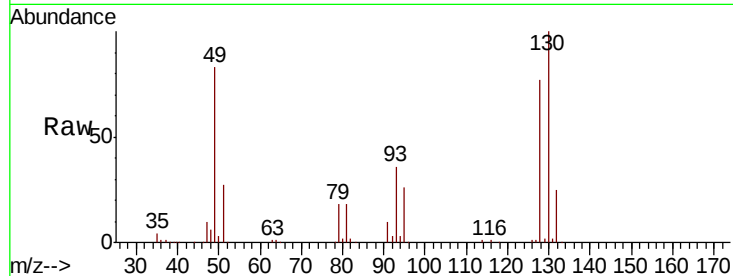
Tot Ion: 49 Resp: 911061

Ion Ratio Lower Upper

49 100

128 94.1 50.0 150.1

130 121.5 64.4 193.2



#15

Acetone

Concen: 0.168 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035620.D

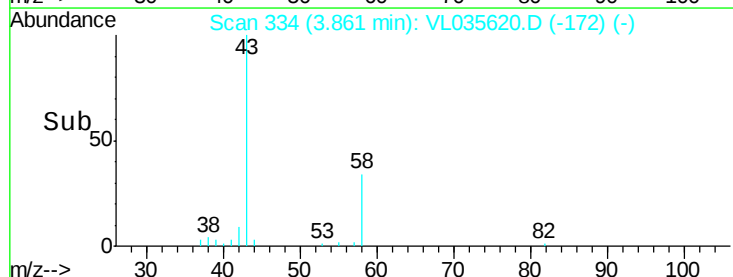
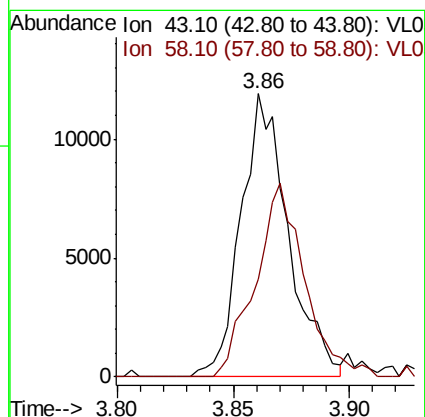
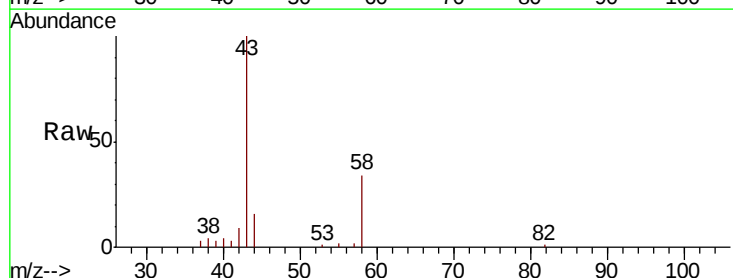
Acq: 15 Sep 2020 4:34

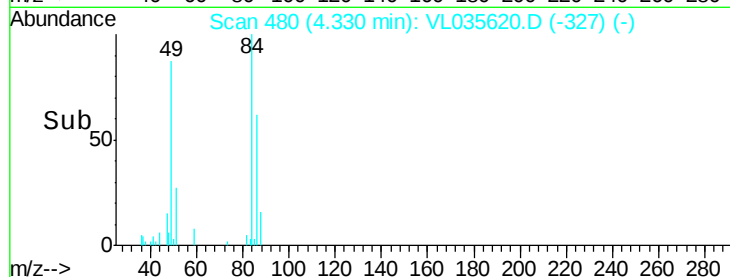
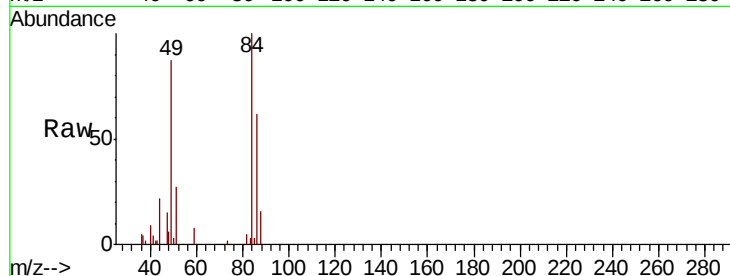
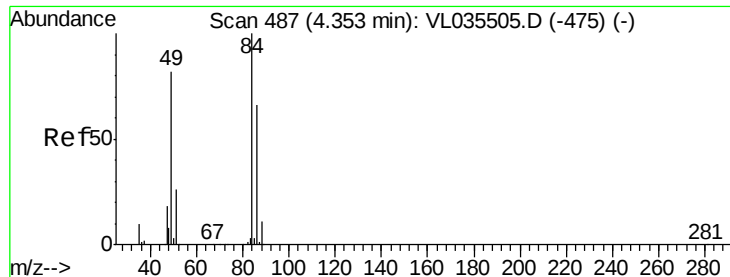
Tgt Ion: 43 Resp: 16853

Ion Ratio Lower Upper

43 100

58 71.7 28.4 42.6#

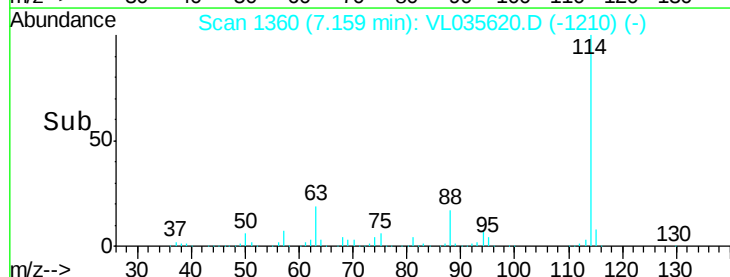
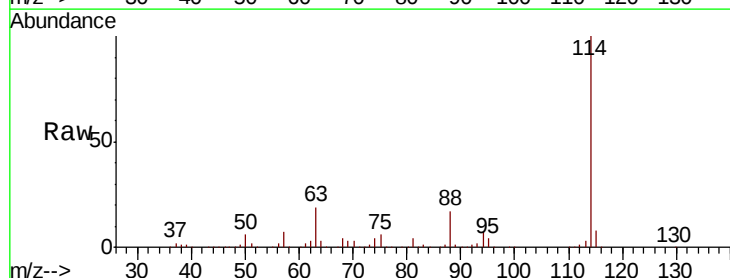
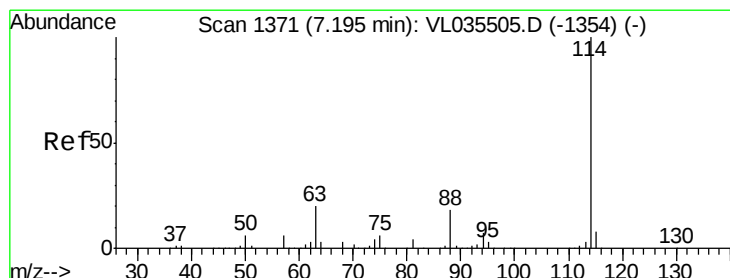
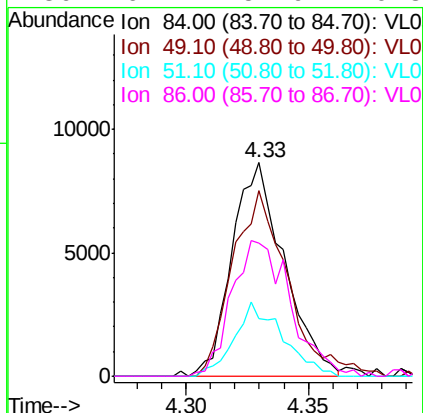




#20
Methylene Chloride
Concen: 0.171 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL035620.D
Acq: 15 Sep 2020 4:34

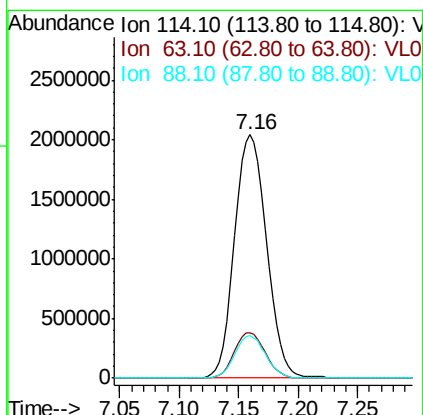
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

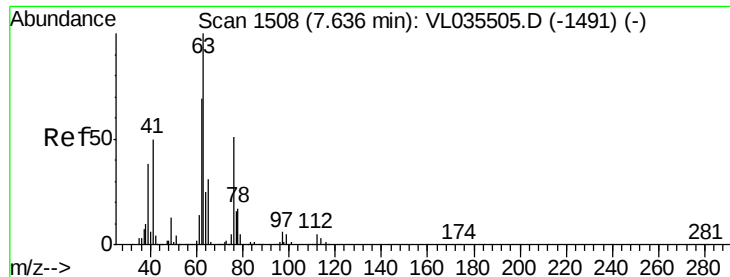
Tot Ion:	84	Resp:	12828
Ion	Ratio	Lower	Upper
84	100		
49	86.9	65.4	98.0
51	27.2	21.5	32.3
86	62.2	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL035620.D
Acq: 15 Sep 2020 4:34

Tgt Ion:	114	Resp:	3822717
Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.7	22.1
88	16.7	13.4	20.2





#39

1,2-Dichloropropane

Concen: 8.249 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL035620.D

Acq: 15 Sep 2020 4:34

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

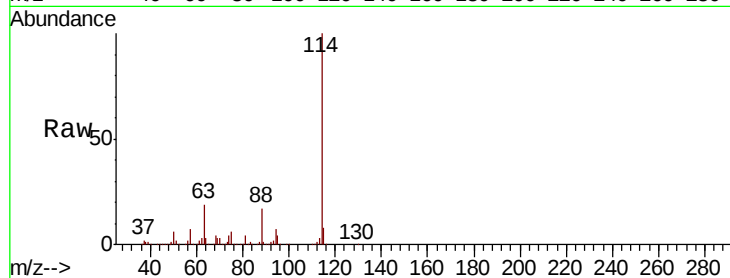
Tot Ion: 63 Resp: 689530

Ion Ratio Lower Upper

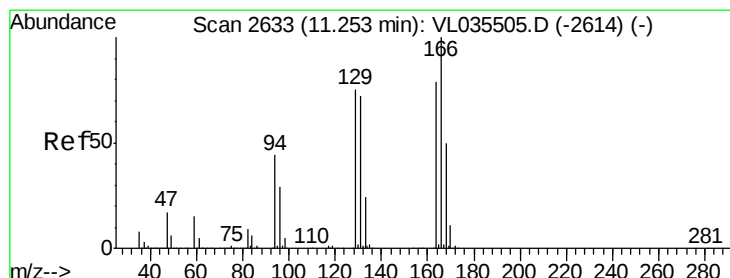
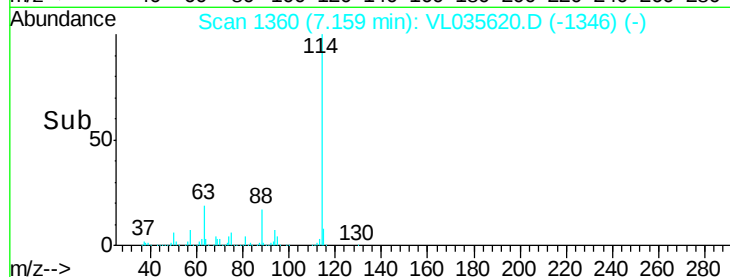
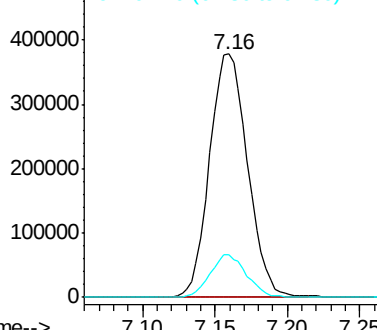
63 100

41 0.0 40.0 60.0#

62 17.5 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: 0.034 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL035620.D

Acq: 15 Sep 2020 4:34

Tgt Ion: 164 Resp: 4933

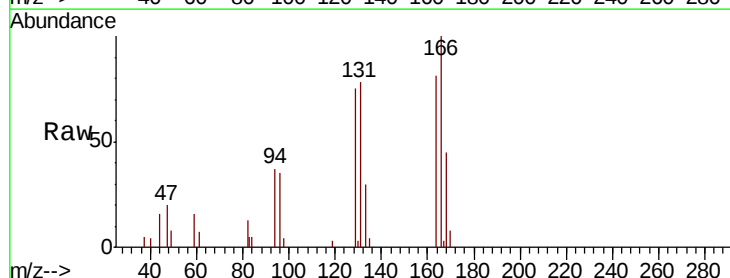
Ion Ratio Lower Upper

164 100

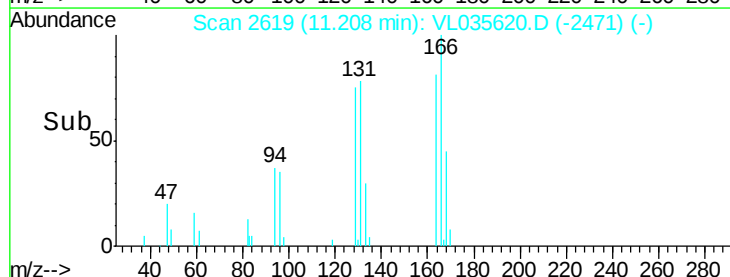
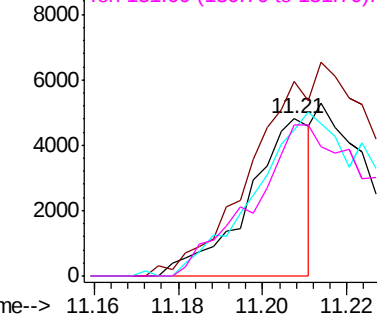
166 117.9 100.9 151.3

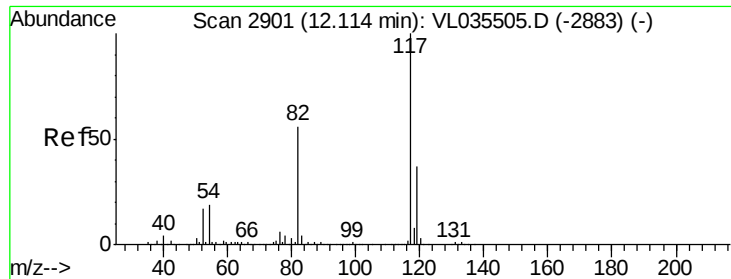
129 92.7 75.3 112.9

131 96.5 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

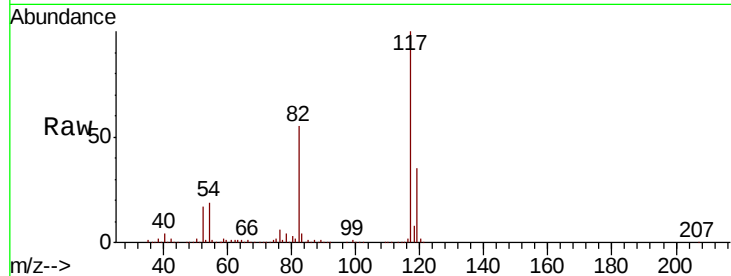




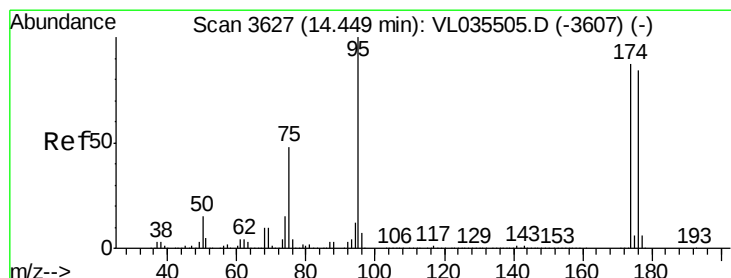
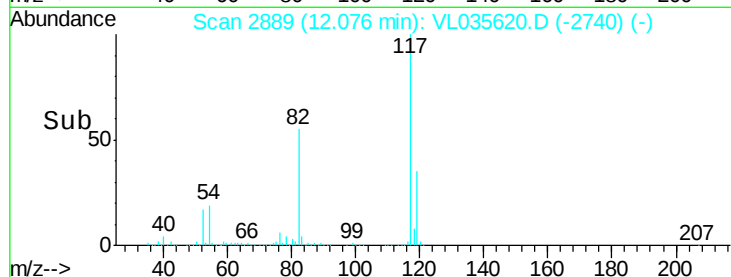
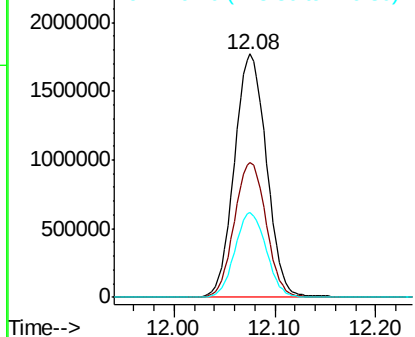
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL035620.D
Acq: 15 Sep 2020 4:34

Instrument :
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Tot Ion:117 Resp: 3911104
Ion Ratio Lower Upper
117 100
82 55.2 41.6 62.4
119 34.1 29.3 43.9

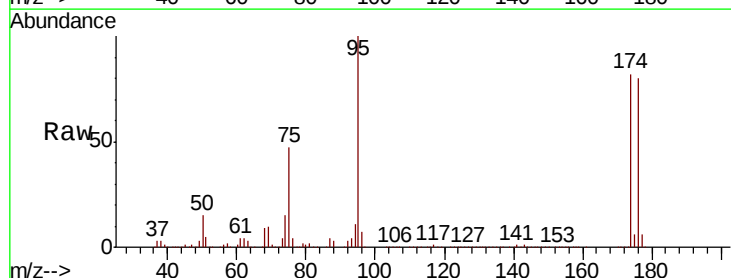


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.241 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL035620.D
Acq: 15 Sep 2020 4:34

Tgt Ion: 95 Resp: 2844274
Ion Ratio Lower Upper
95 100
174 83.0 69.6 104.4
175 5.9 5.1 7.7



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

