

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034898.D
 Acq On : 16 Mar 2020 20:05
 Operator : SY/AP
 Sample : OC031020 CAN 10306
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 04:27:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	855188	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1833167	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1867070	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1494067	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

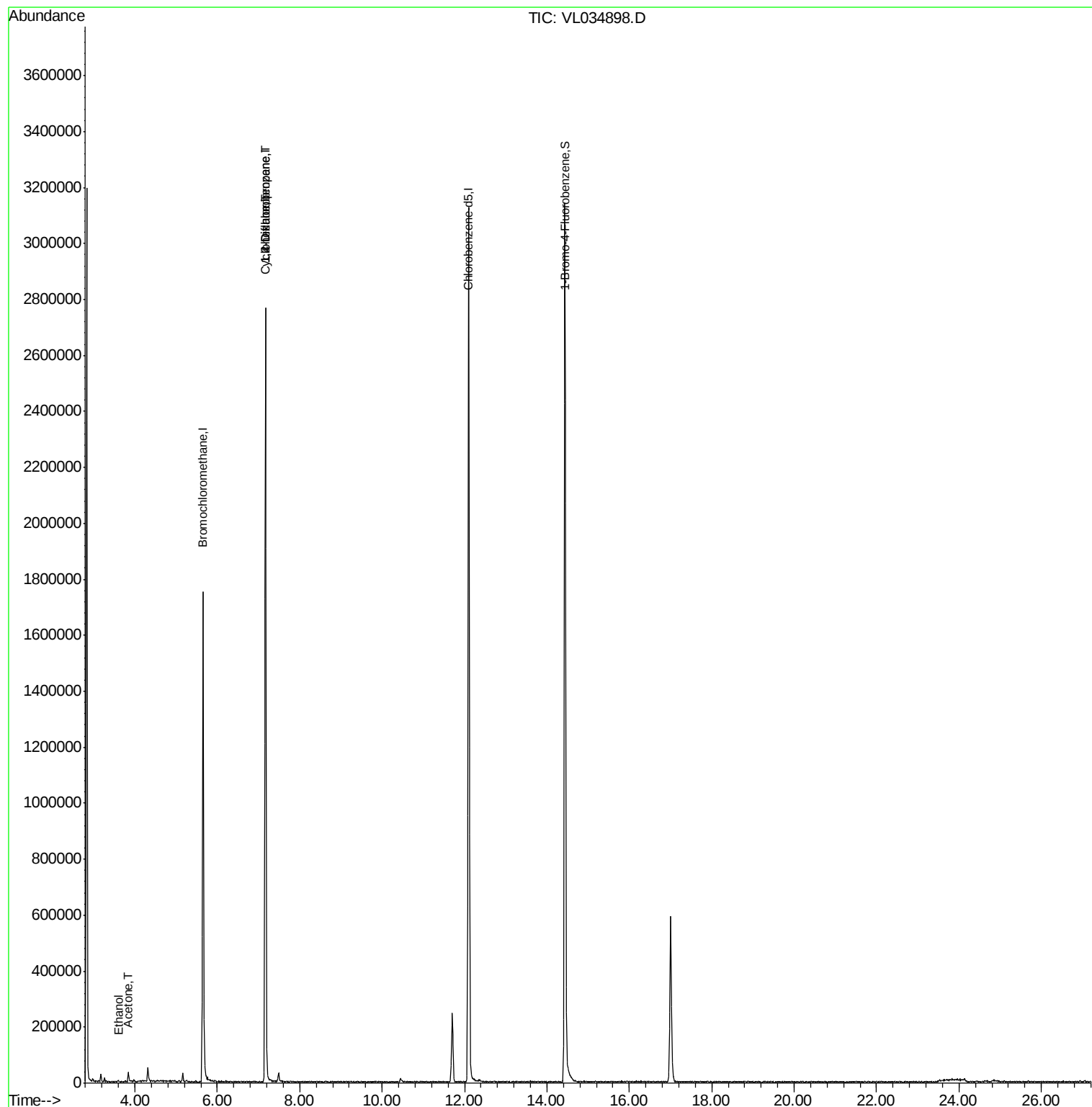
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	670	0.048	ppbv #	35
15) Acetone	3.84	43	29687	0.268	ppbv #	59
30) Cyclohexane	7.16	84	5090	0.072	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	517251	7.990	ppbv #	22

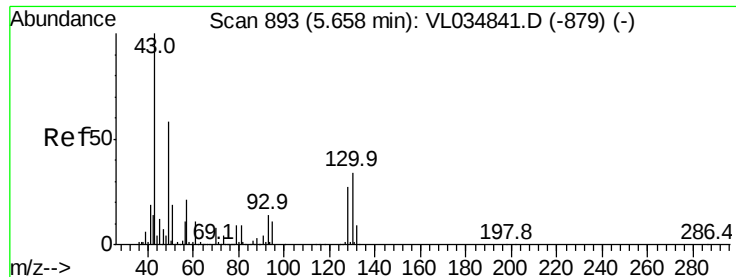
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL034898.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_L

ClientSampled :

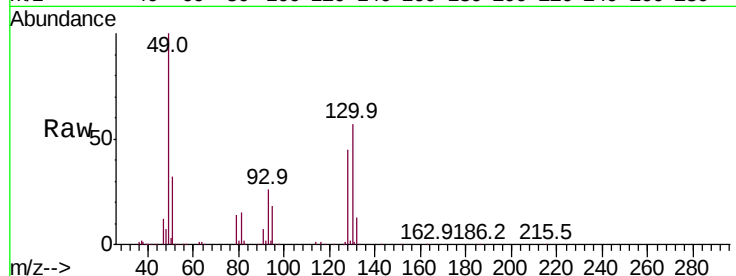
Tot Ion: 49 Resp: 855188

Ion Ratio Lower Upper

49 100

128 46.3 23.4 70.3

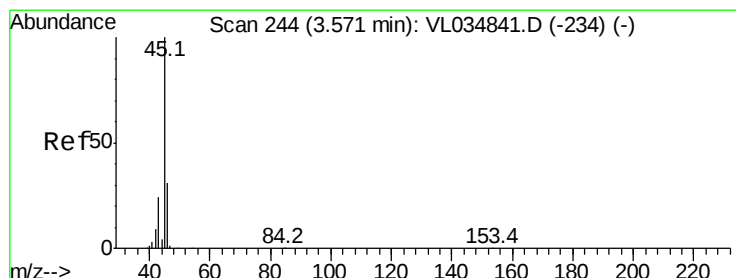
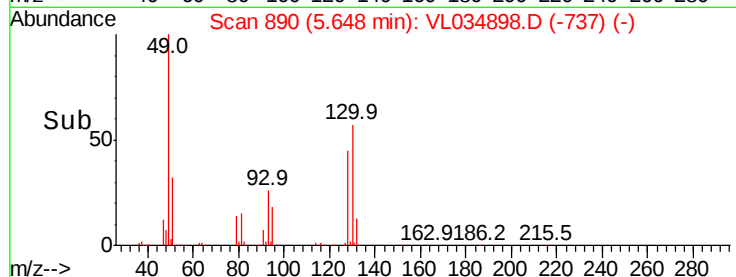
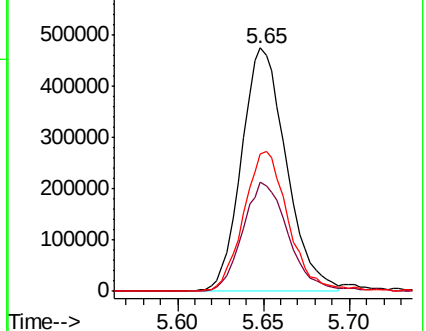
130 58.6 30.0 90.0



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: 0.048 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.02 min

Lab File: VL034898.D

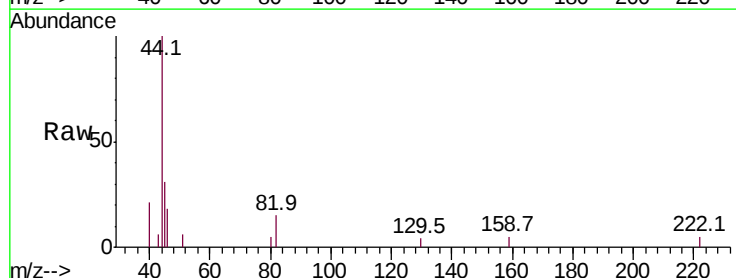
Acq: 16 Mar 2020 20:05

Tgt Ion: 45 Resp: 670

Ion Ratio Lower Upper

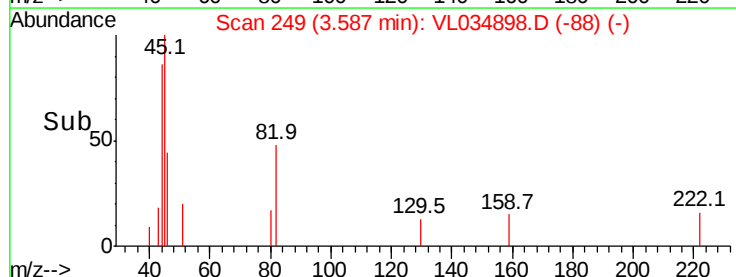
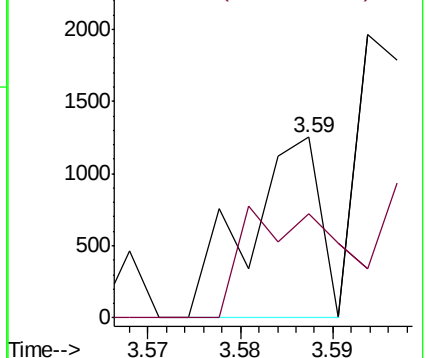
45 100

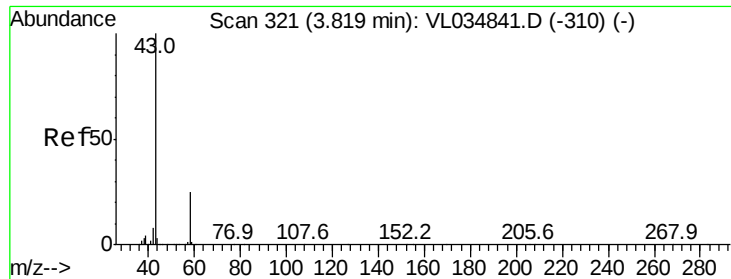
46 0.0 16.0 64.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.268 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034898.D

Acq: 16 Mar 2020 20:05

Instrument :

MSVOA_L

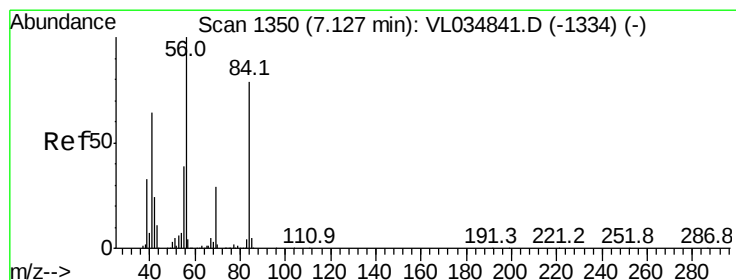
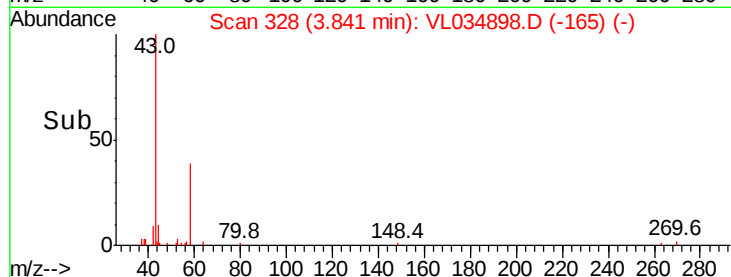
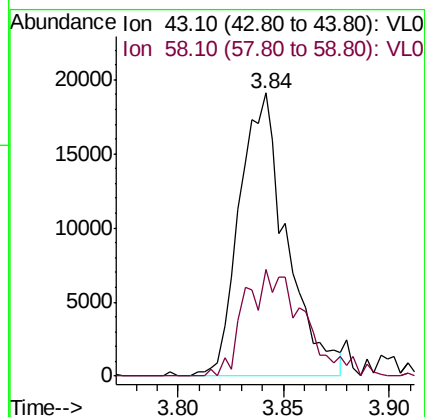
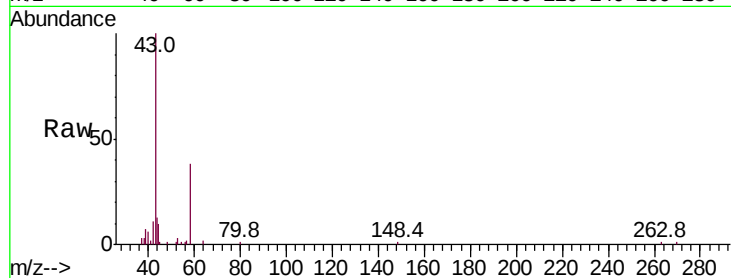
ClientSampleId :

Tot Ion: 43 Resp: 29687

Ion Ratio Lower Upper

43 100

58 47.4 21.0 31.6#



#30

Cyclohexane

Concen: 0.072 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.03 min

Lab File: VL034898.D

Acq: 16 Mar 2020 20:05

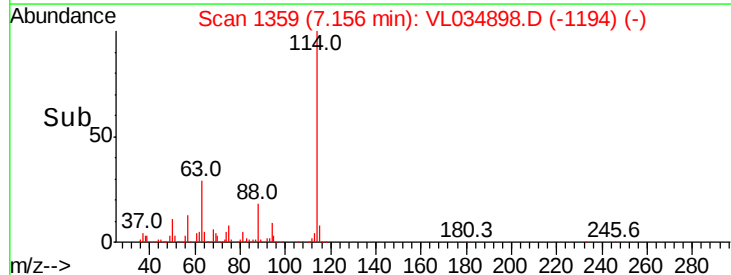
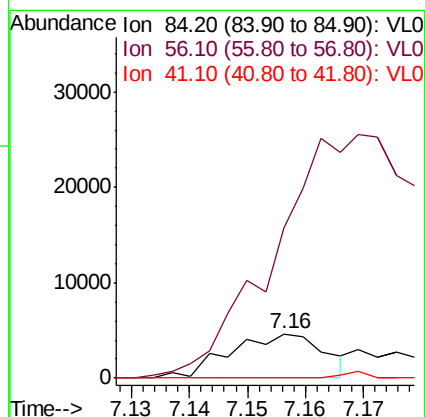
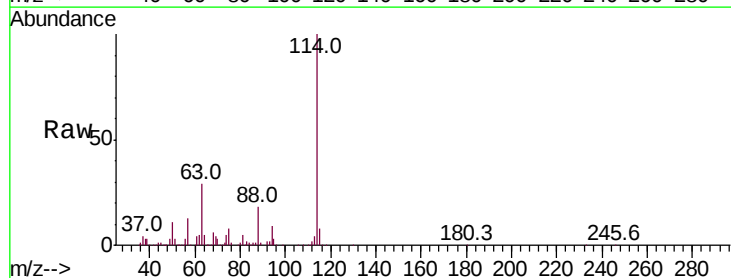
Tgt Ion: 84 Resp: 5090

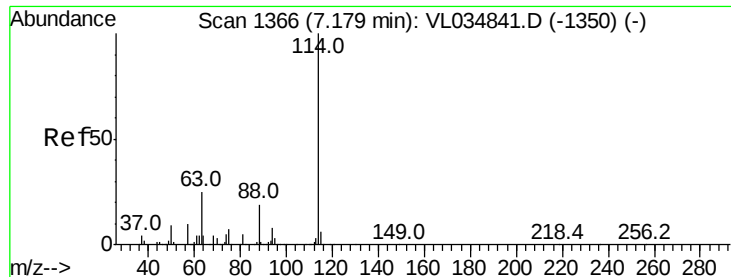
Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

41 0.0 68.2 102.4#



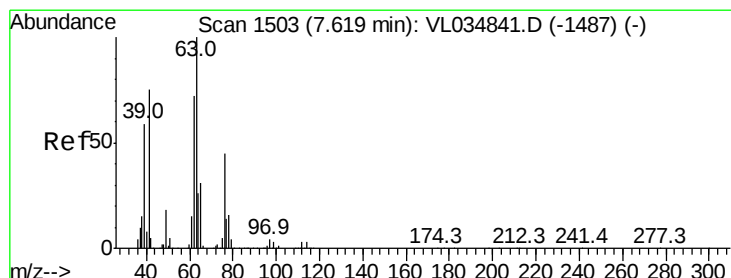
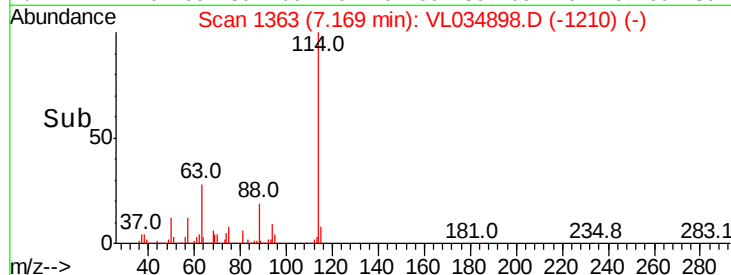
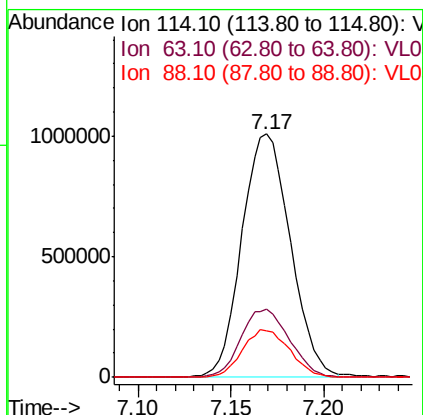
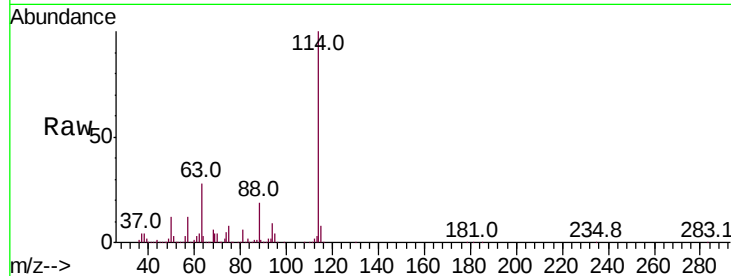


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL034898.D
 Acq: 16 Mar 2020 20:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1833167

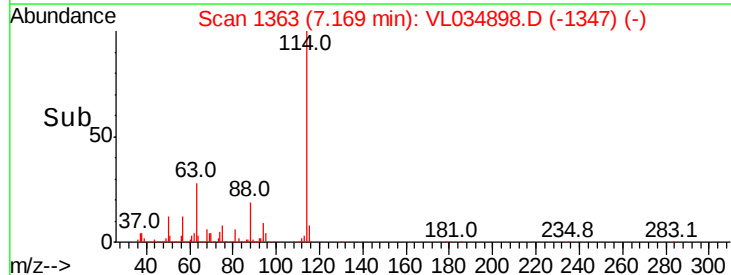
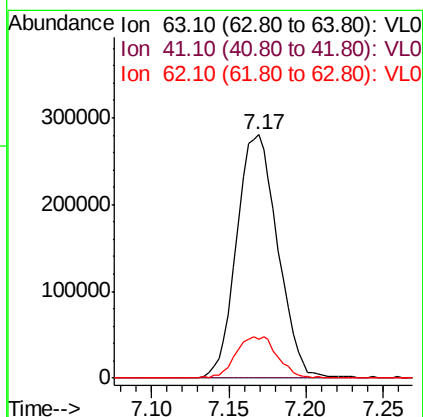
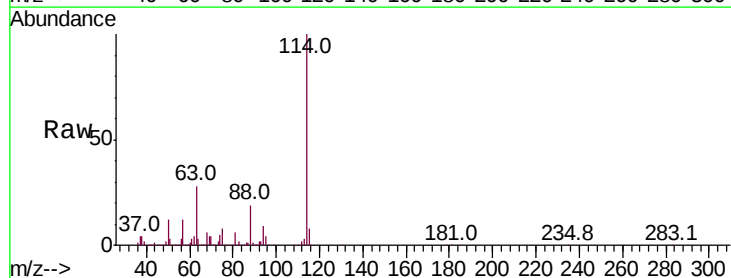
Ion	Ratio	Lower	Upper
114	100		
63	28.4	20.6	31.0
88	19.3	15.0	22.6

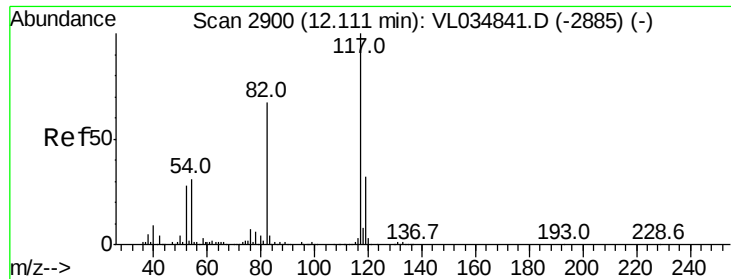


#39
 1,2-Dichloropropane
 Concen: 7.990 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL034898.D
 Acq: 16 Mar 2020 20:05

Tgt Ion: 63 Resp: 517251

Ion	Ratio	Lower	Upper
63	100		
41	0.3	59.8	89.8#
62	16.0	57.6	86.4#

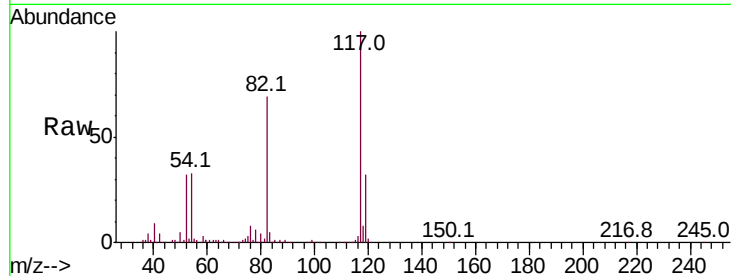




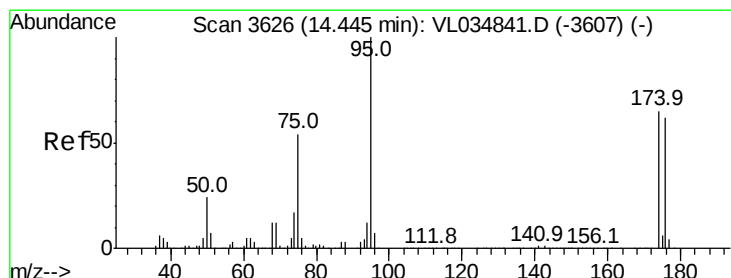
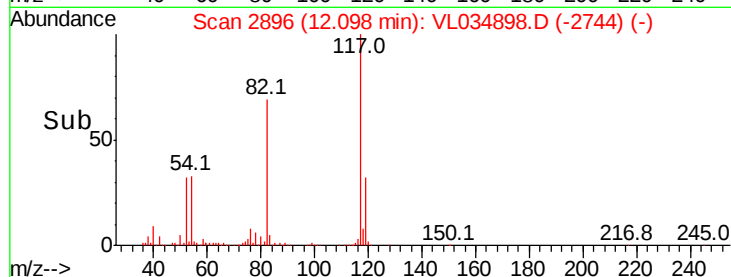
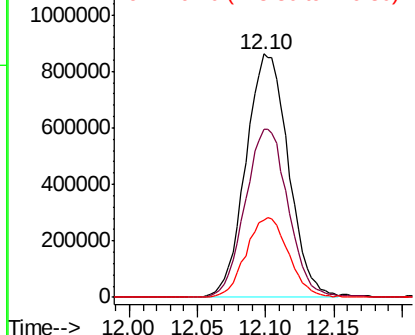
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL034898.D
Acq: 16 Mar 2020 20:05

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 1867070
Ion Ratio Lower Upper
117 100
82 70.3 51.1 76.7
119 33.1 27.3 40.9

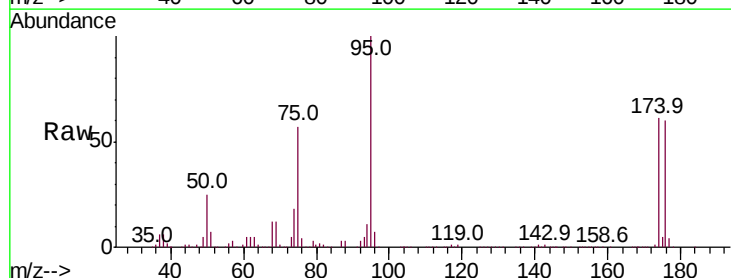


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.261 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL034898.D
Acq: 16 Mar 2020 20:05

Tgt Ion: 95 Resp: 1494067
Ion Ratio Lower Upper
95 100
174 65.5 55.2 82.8
175 4.8 4.3 6.5



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

