

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034901.D
 Acq On : 16 Mar 2020 22:04
 Operator : SY/AP
 Sample : OC031220 CAN 10283
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 04:28:19 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	858457	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1829245	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1807308	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1446058	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

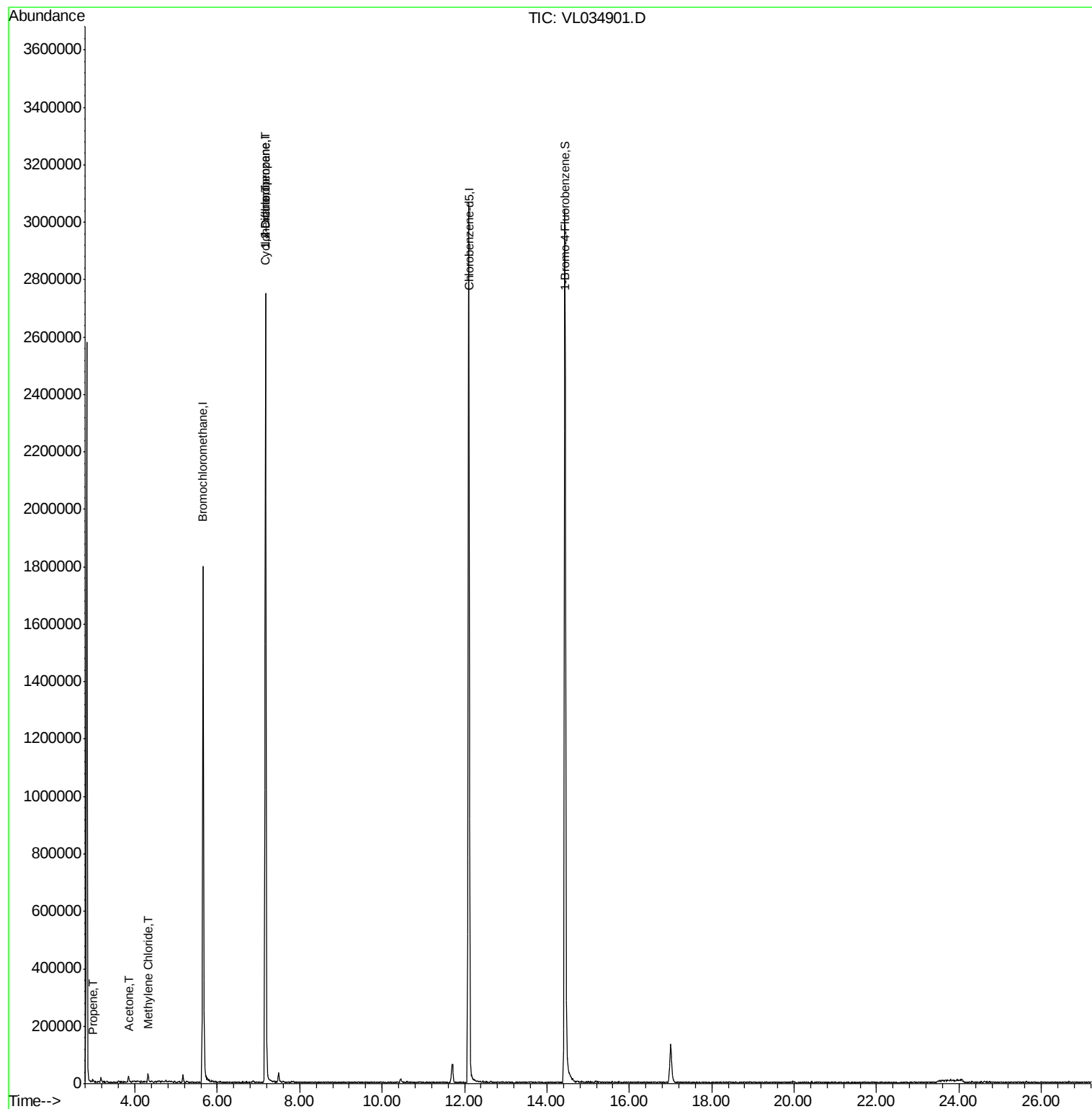
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	1699	0.037	ppbv	94
15) Acetone	3.84	43	16502	0.148	ppbv #	59
20) Methylene Chloride	4.30	84	1535	0.044	ppbv #	66
30) Cyclohexane	7.16	84	3725	0.052	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	507244	7.852	ppbv #	23

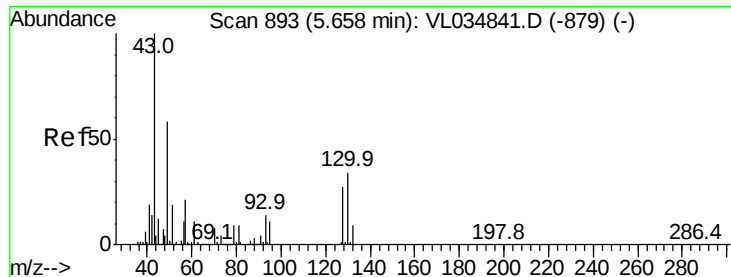
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

Instrument :
MSVOA_L
ClientSampleId :

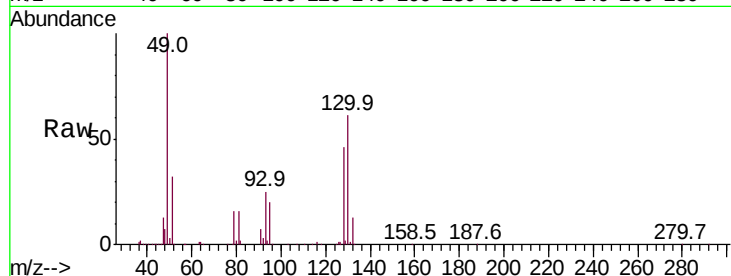
Tot Ion: 49 Resp: 858457

Ion Ratio Lower Upper

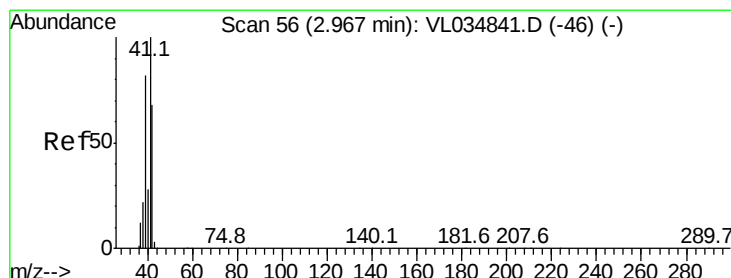
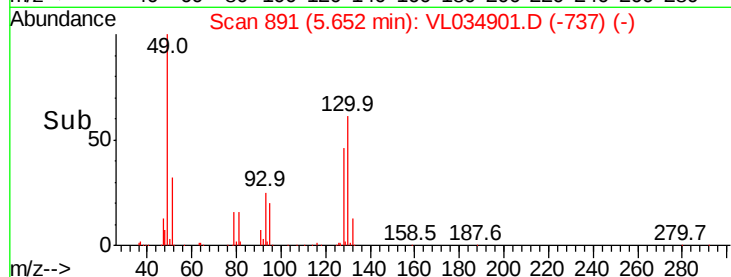
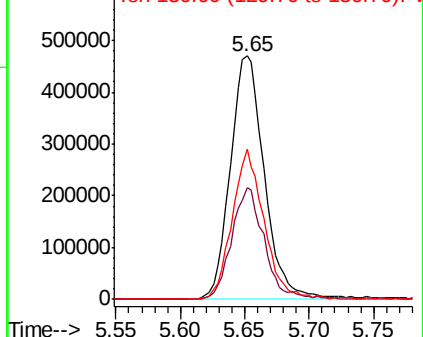
49 100

128 44.3 23.4 70.3

130 58.1 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



#9

Propene

Concen: 0.037 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034901.D

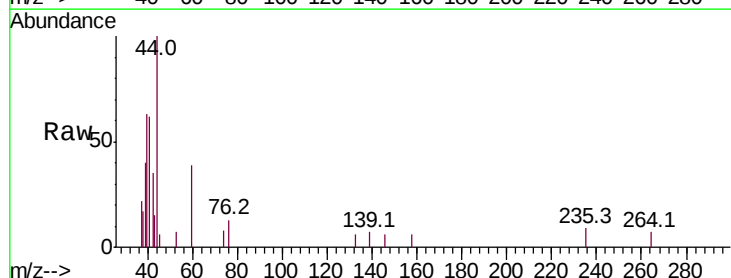
Acq: 16 Mar 2020 22:04

Tgt Ion: 41 Resp: 1699

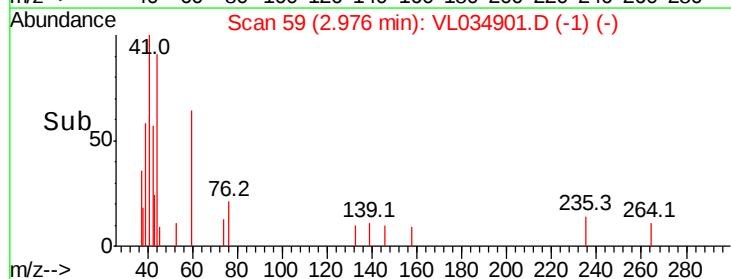
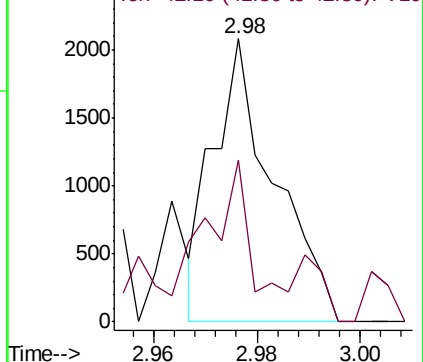
Ion Ratio Lower Upper

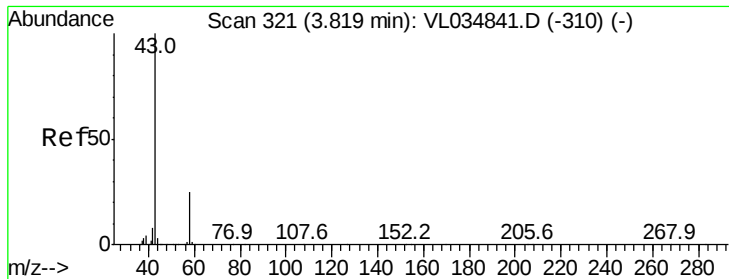
41 100

42 74.0 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.148 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

Instrument :

MSVOA_L

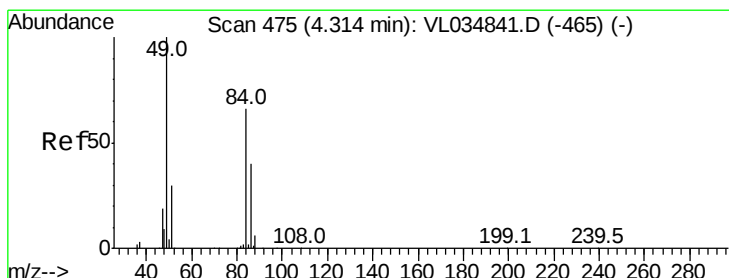
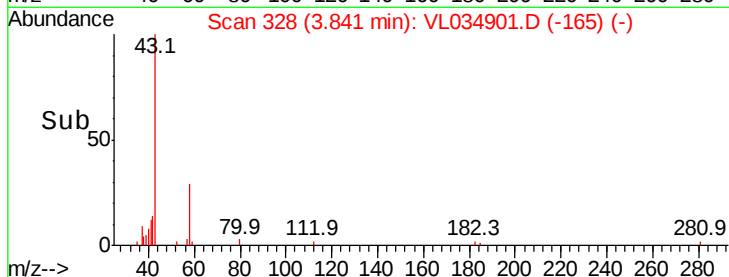
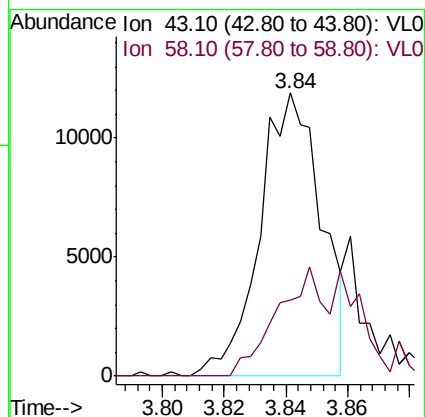
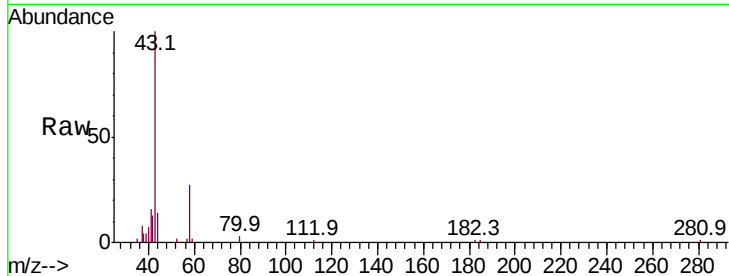
ClientSampleId :

Tot Ion: 43 Resp: 16502

Ion Ratio Lower Upper

43 100

58 47.5 21.0 31.6#



#20

Methylene Chloride

Concen: 0.044 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.01 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

Tgt Ion: 84 Resp: 1535

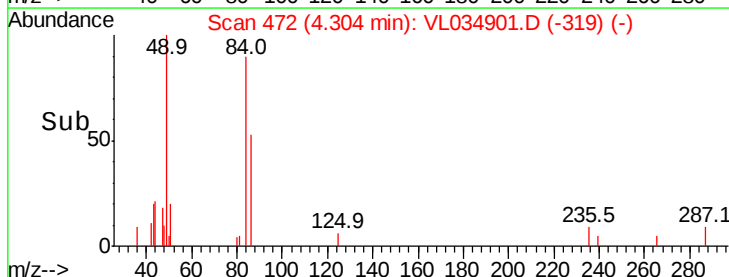
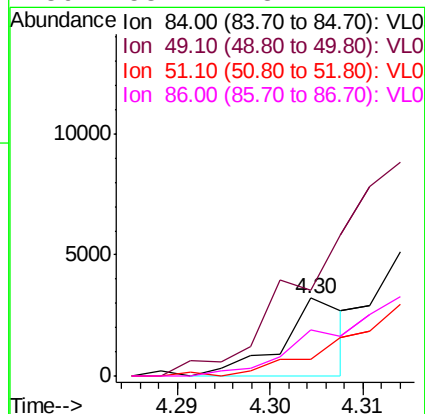
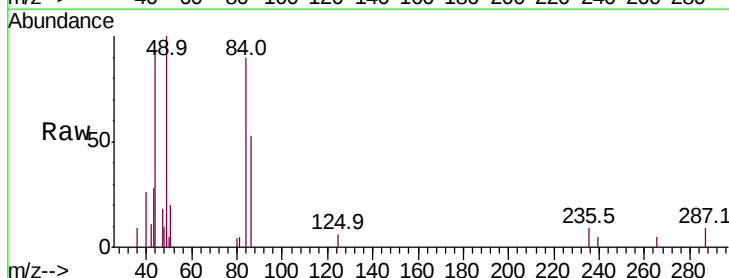
Ion Ratio Lower Upper

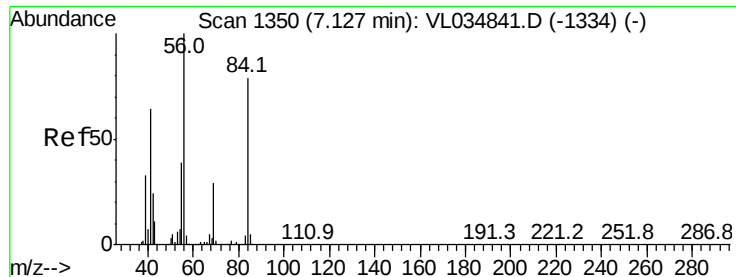
84 100

49 96.9 121.5 182.3#

51 16.2 36.6 55.0#

86 58.7 48.2 72.2

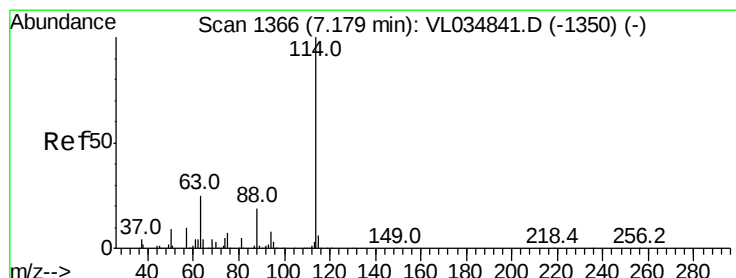
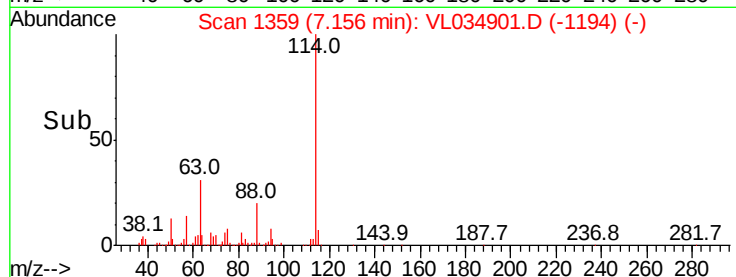
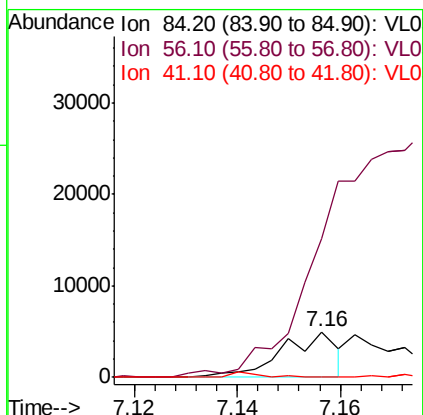
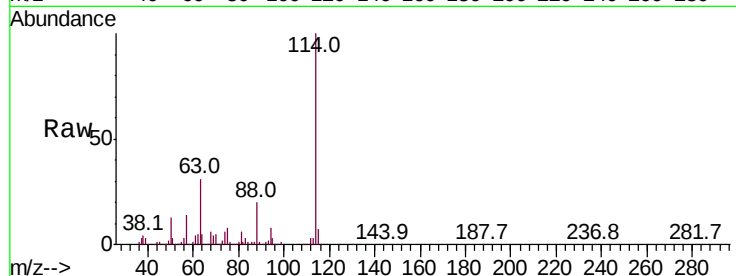




#30
Cvclohexane
Concen: 0.052 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.03 min
Lab File: VL034901.D
Acq: 16 Mar 2020 22:04

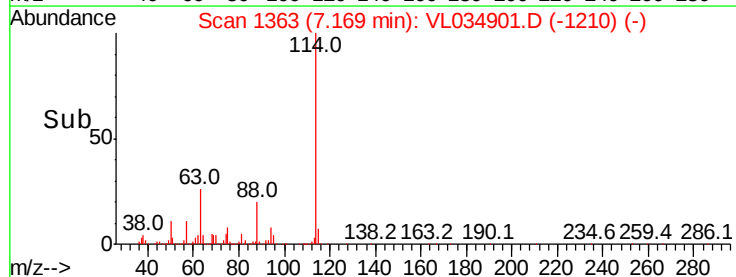
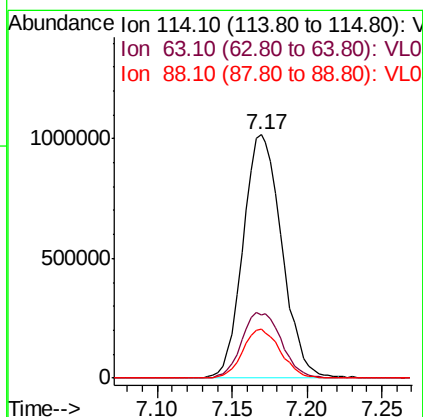
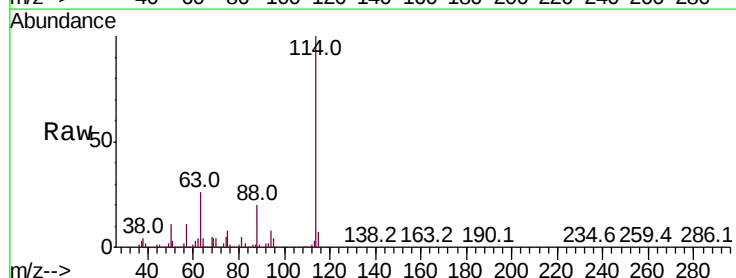
Instrument :
MSVOA_L
ClientSampleId :

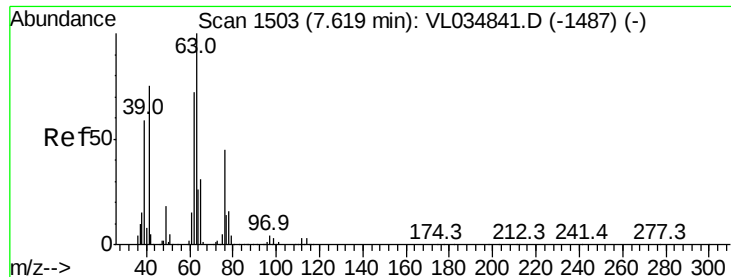
Tot Ion: 84 Resp: 3725
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 9.7 68.2 102.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034901.D
Acq: 16 Mar 2020 22:04

Tgt Ion:114 Resp: 1829245
Ion Ratio Lower Upper
114 100
63 28.0 20.6 31.0
88 19.6 15.0 22.6





#39

1,2-Dichloropropane

Concen: 7.852 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

Instrument :

MSVOA_L

ClientSampleId :

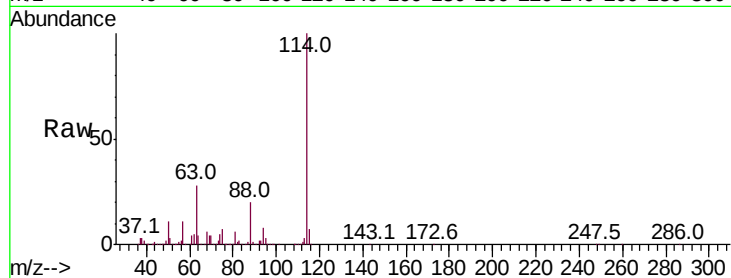
Tot Ion: 63 Resp: 507244

Ion Ratio Lower Upper

63 100

41 0.1 59.8 89.8#

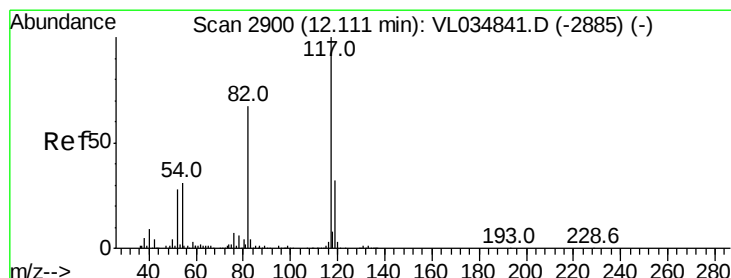
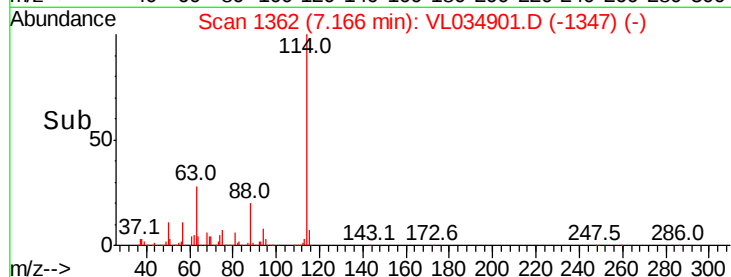
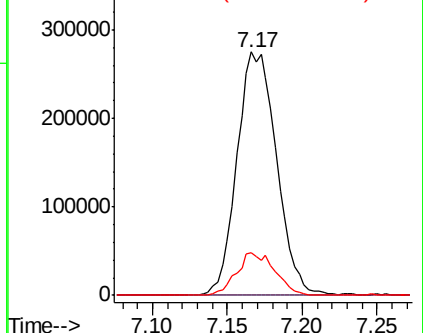
62 17.8 57.6 86.4#



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: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

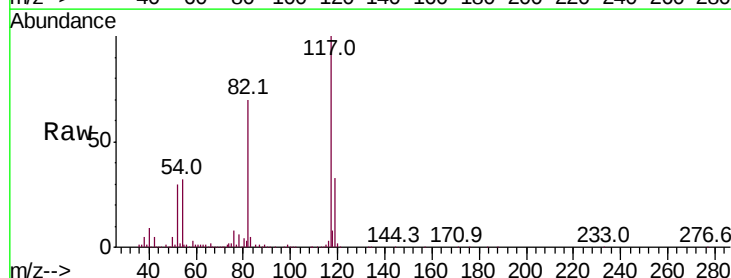
Tgt Ion: 117 Resp: 1807308

Ion Ratio Lower Upper

117 100

82 70.6 51.1 76.7

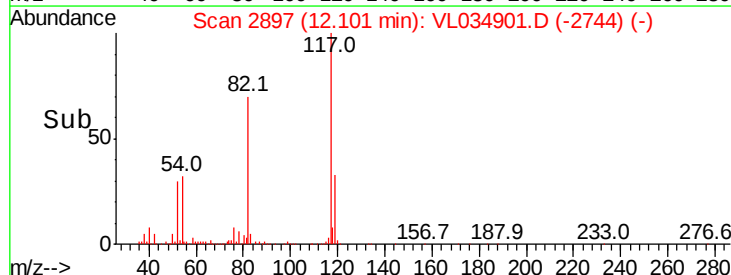
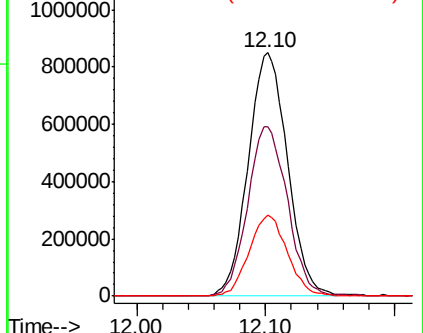
119 32.4 27.3 40.9

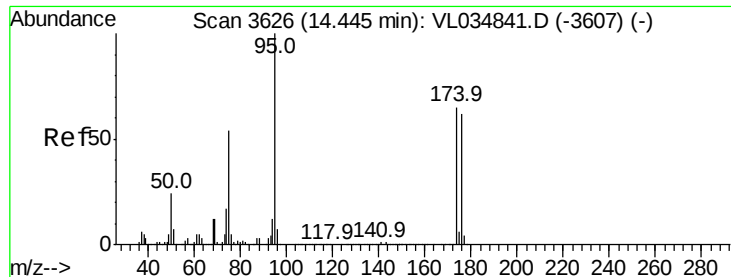


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.260 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034901.D

Acq: 16 Mar 2020 22:04

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1446058

Ion Ratio Lower Upper

95 100

174 65.0 55.2 82.8

175 5.0 4.3 6.5

