

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034886.D
 Acq On : 16 Mar 2020 12:01
 Operator : SY/AP
 Sample : VL0316ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 04:25:10 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	923220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1976989	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	1977427	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1602953	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

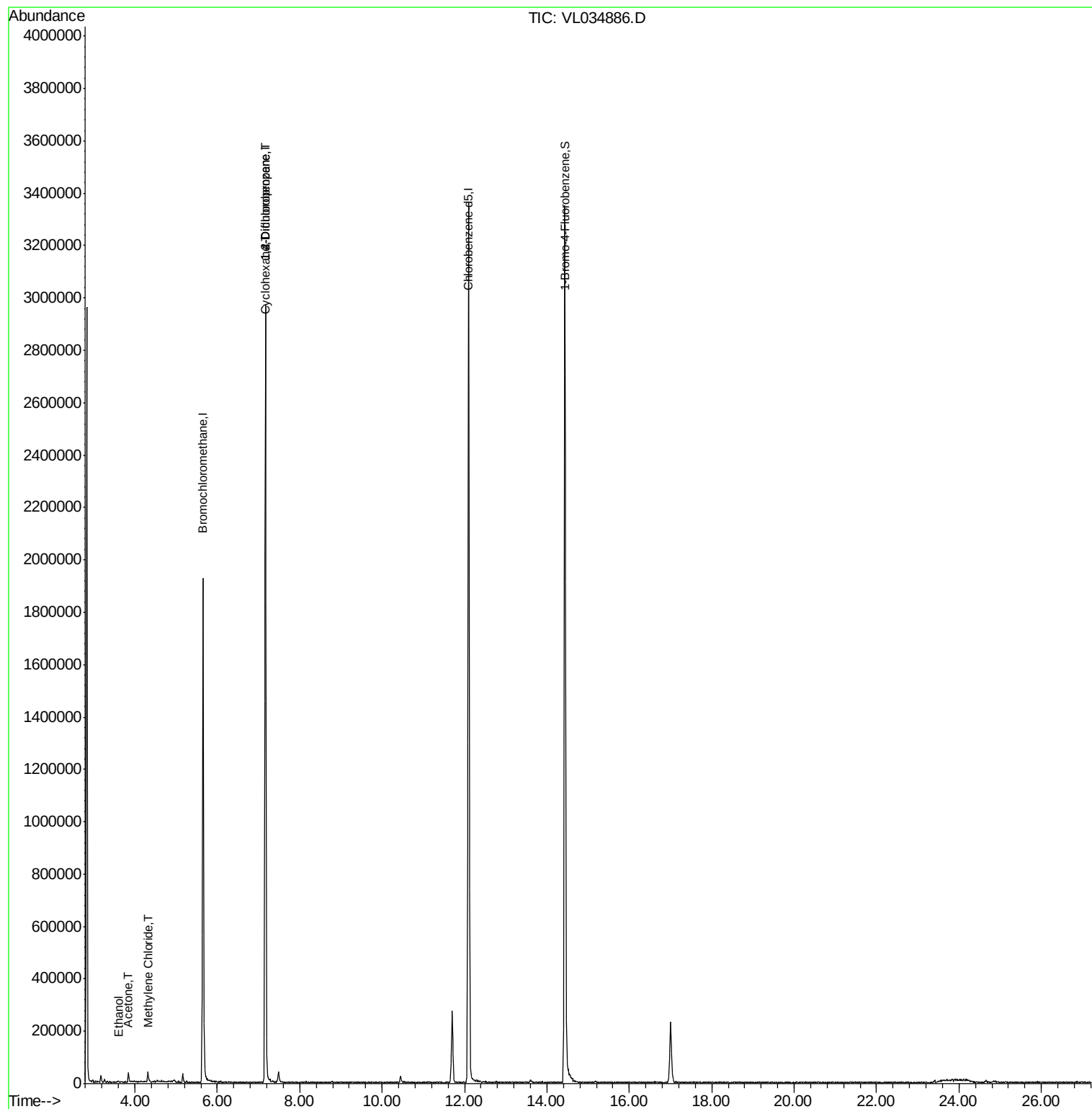
Target Compounds					Ovalue
13) Ethanol	3.59	45	1725	0.115	ppbv 98
15) Acetone	3.84	43	23961	0.200	ppbv # 34
20) Methylene Chloride	4.31	84	10011	0.265	ppbv # 84
30) Cyclohexane	7.15	84	3574	0.047	ppbv # 1
39) 1,2-Dichloropropane	7.16	63	543470	7.784	ppbv # 22

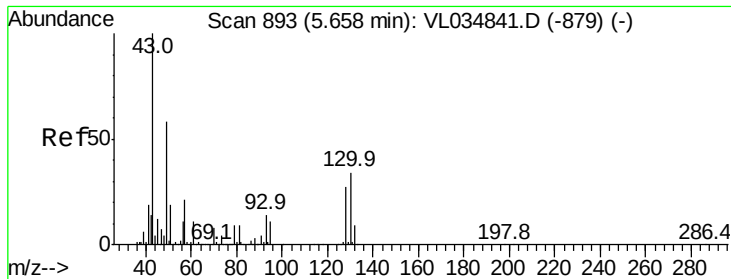
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034886.D

Acq: 16 Mar 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :

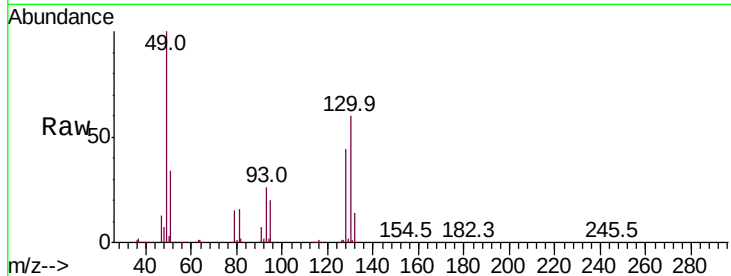
Tot Ion: 49 Resp: 923220

Ion Ratio Lower Upper

49 100

128 45.8 23.4 70.3

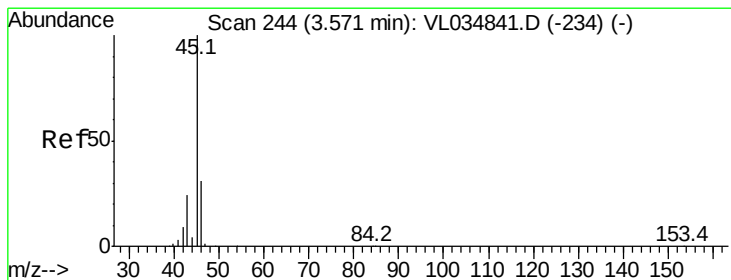
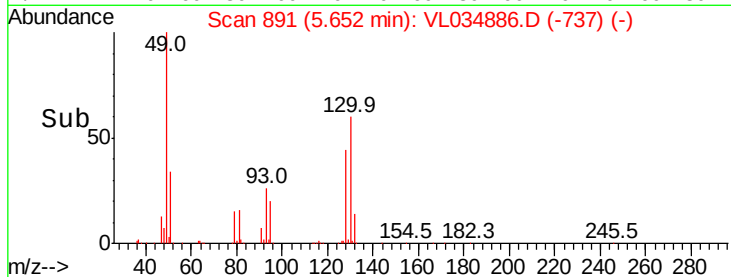
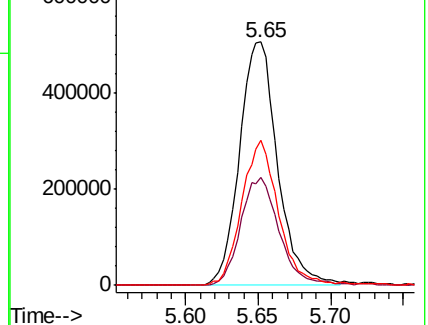
130 57.9 30.0 90.0



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: 0.115 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL034886.D

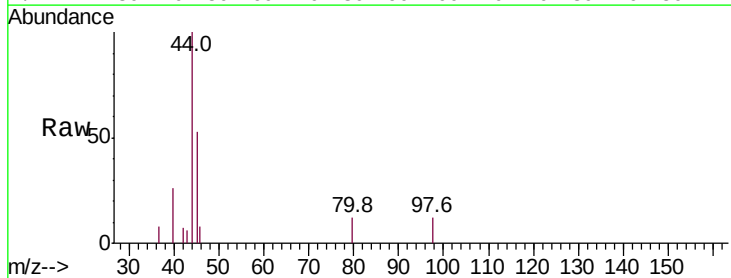
Acq: 16 Mar 2020 12:01

Tgt Ion: 45 Resp: 1725

Ion Ratio Lower Upper

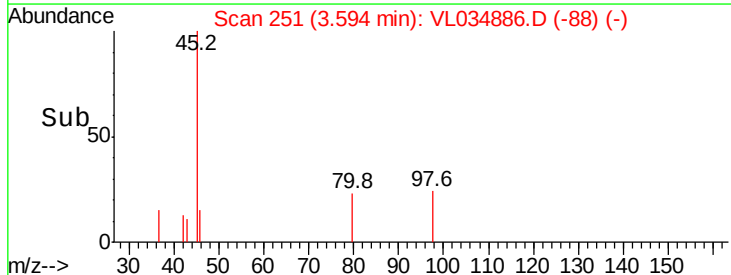
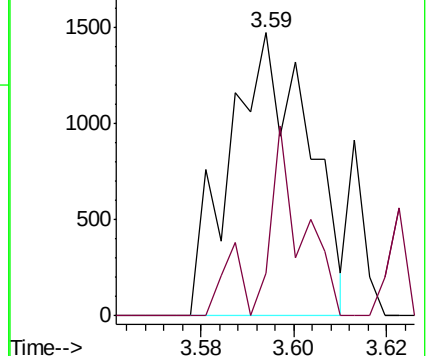
45 100

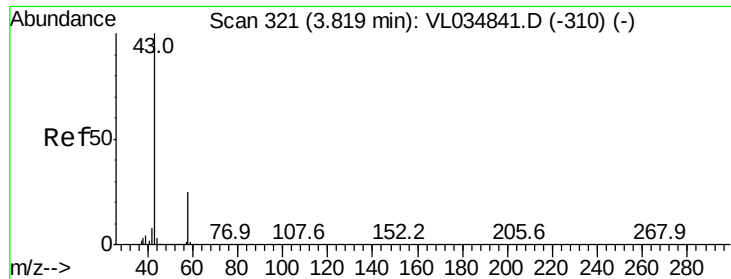
46 41.4 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

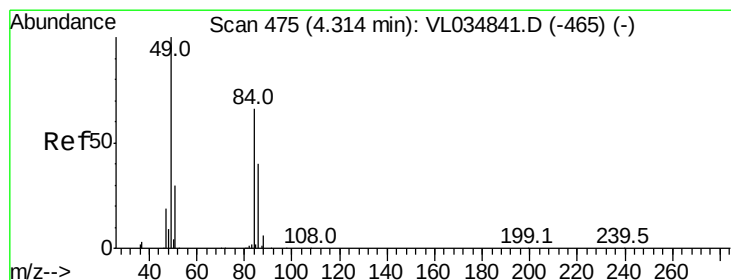
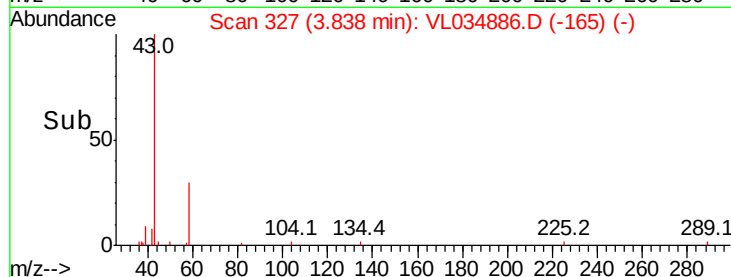
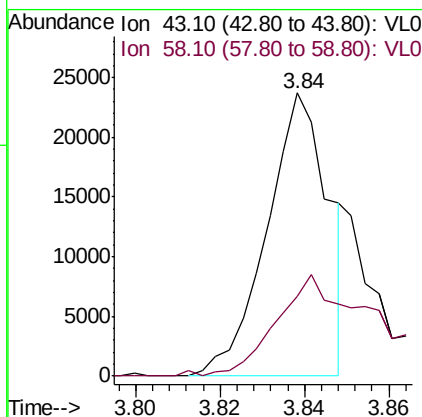
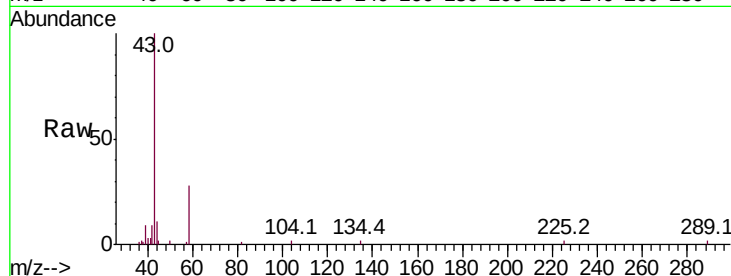




#15
Acetone
Concen: 0.200 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034886.D
Acq: 16 Mar 2020 12:01

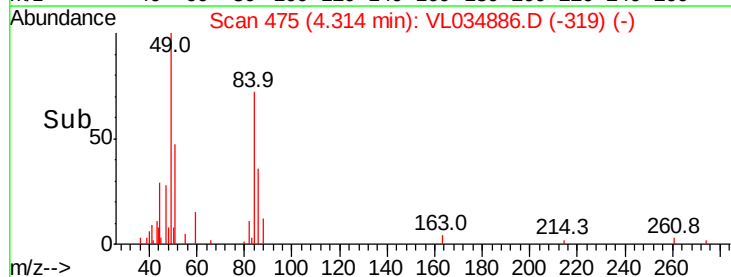
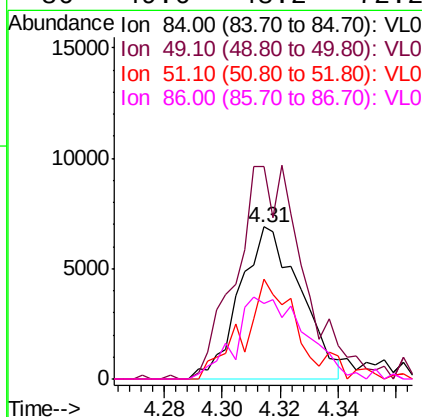
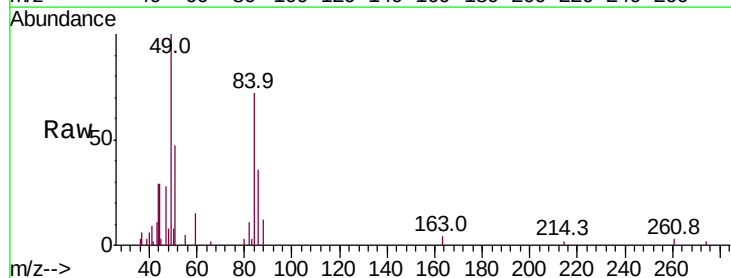
Instrument :
MSVOA_L
ClientSampleId :

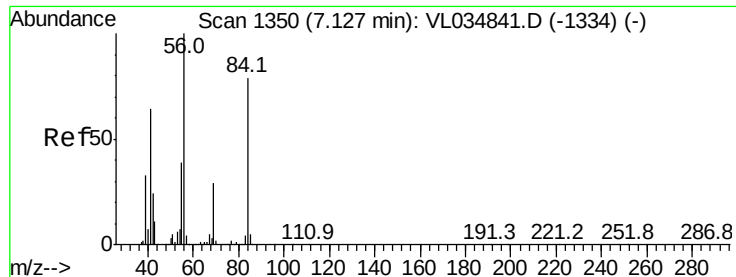
Tot Ion: 43 Resp: 23961
Ion Ratio Lower Upper
43 100
58 60.1 21.0 31.6#



#20
Methylene Chloride
Concen: 0.265 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034886.D
Acq: 16 Mar 2020 12:01

Tgt Ion: 84 Resp: 10011
Ion Ratio Lower Upper
84 100
49 136.3 121.5 182.3
51 65.6 36.6 55.0#
86 49.6 48.2 72.2





#30

Cyclohexane

Concen: 0.047 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.03 min

Lab File: VL034886.D

Acq: 16 Mar 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

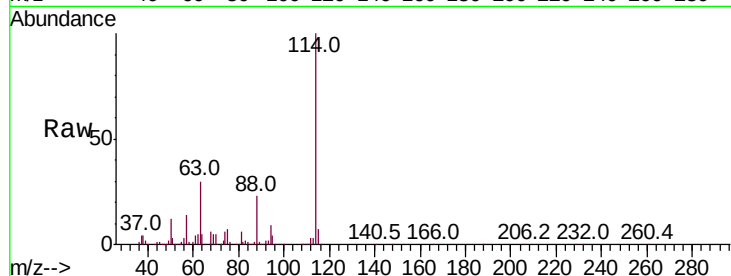
Tot Ion: 84 Resp: 3574

Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

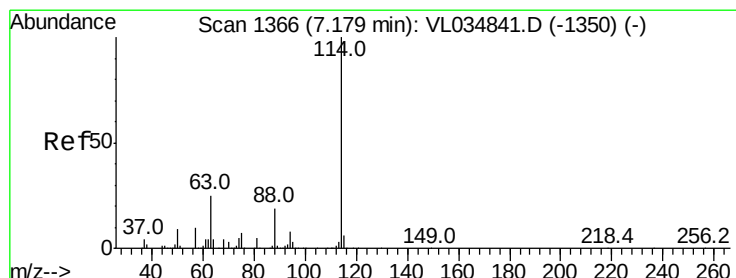
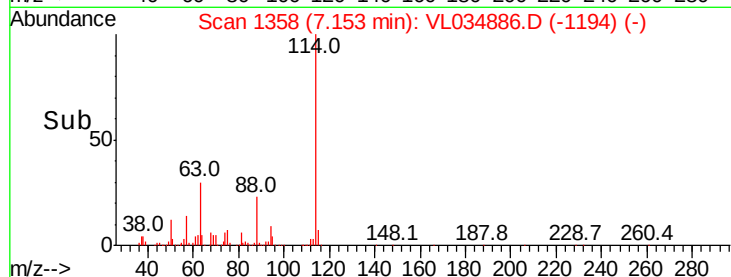
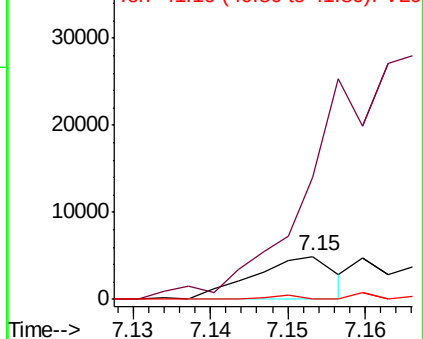
41 0.0 68.2 102.4#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL034886.D

Acq: 16 Mar 2020 12:01

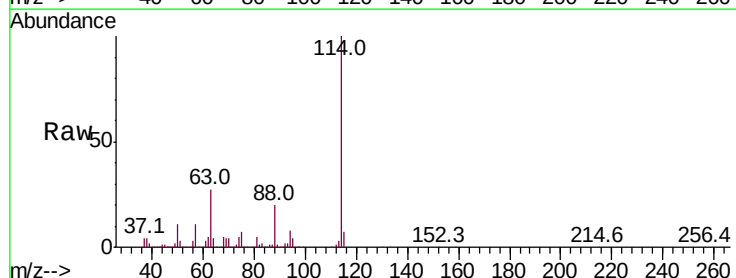
Tgt Ion:114 Resp: 1976989

Ion Ratio Lower Upper

114 100

63 27.7 20.6 31.0

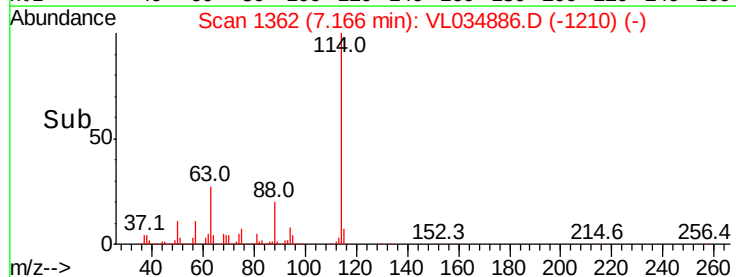
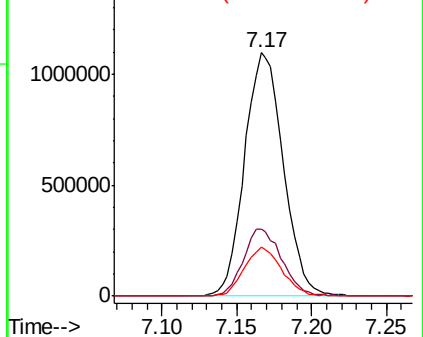
88 19.5 15.0 22.6

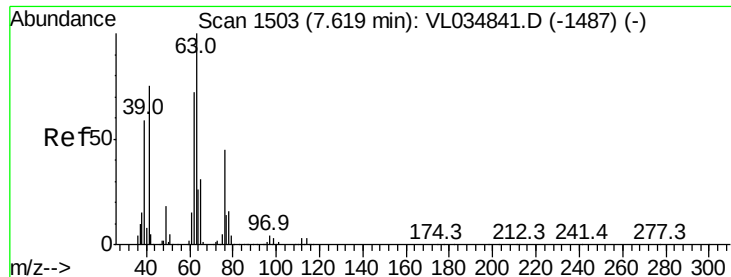


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

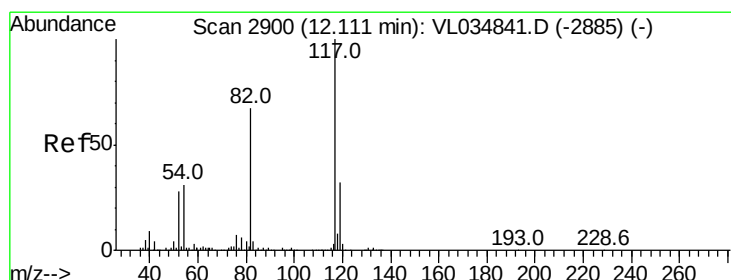
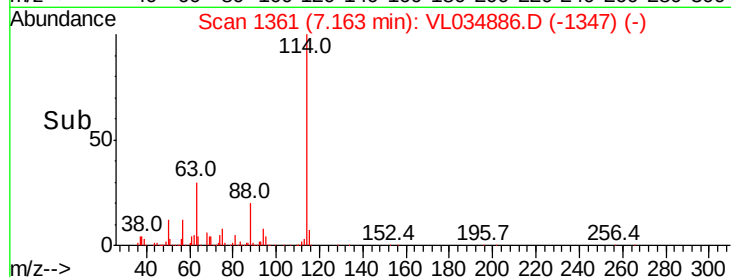
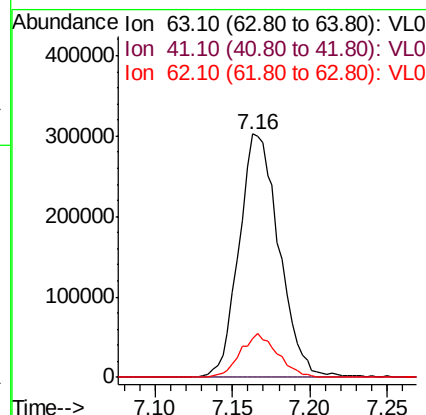
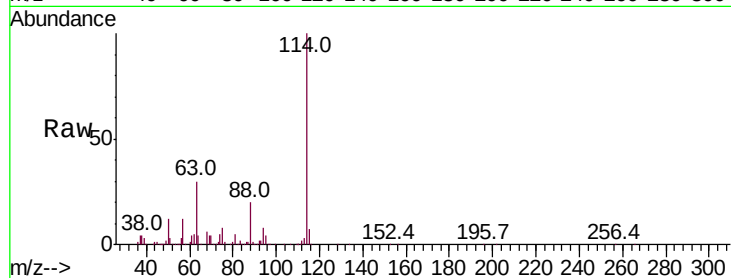




#39
 1,2-Dichloropropane
 Concen: 7.784 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL034886.D
 Acq: 16 Mar 2020 12:01

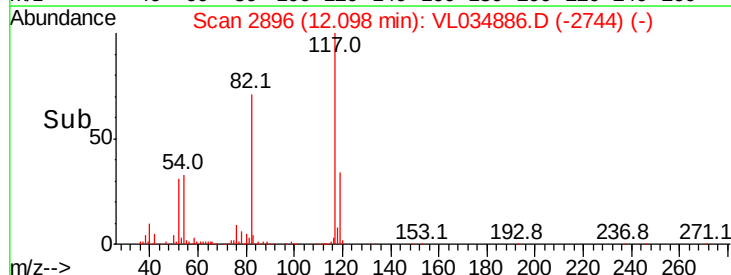
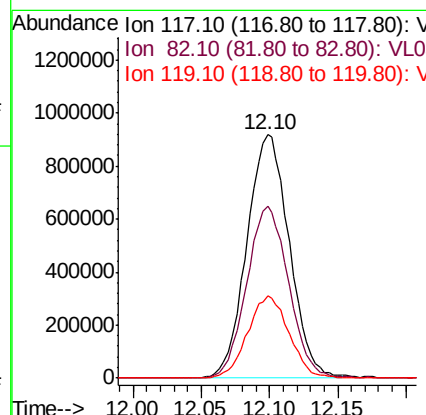
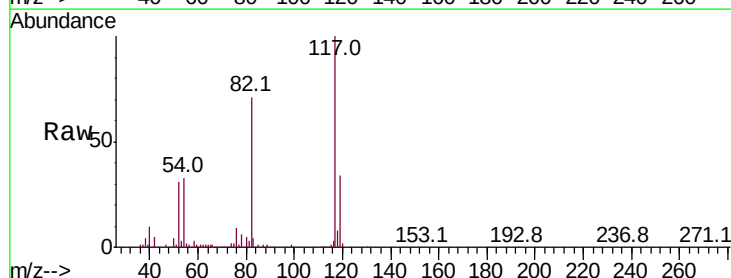
Instrument :
 MSVOA_L
 ClientSampleId :

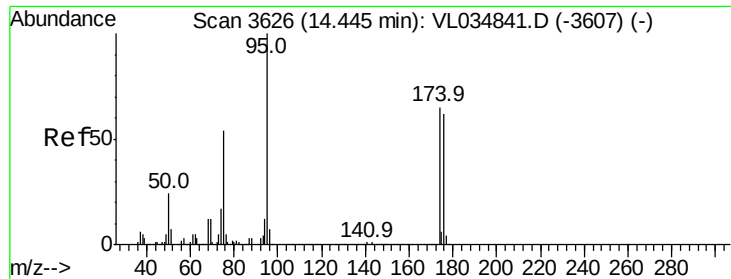
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.8	89.8#
62	16.2	57.6	86.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.01 min
 Lab File: VL034886.D
 Acq: 16 Mar 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.2	51.1	76.7
119	33.1	27.3	40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.394 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034886.D

Acq: 16 Mar 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

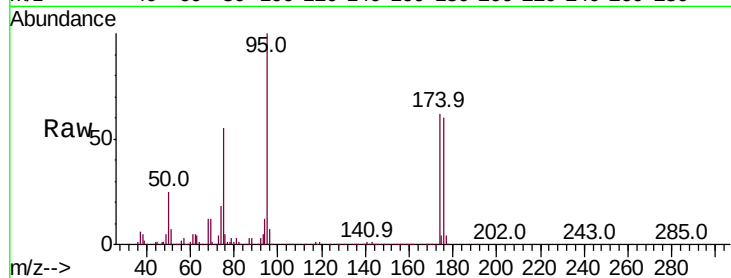
Tot Ion: 95 Resp: 1602953

Ion Ratio Lower Upper

95 100

174 64.9 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

