

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034230.D
 Acq On : 7 Oct 2019 20:16
 Operator : SY/AP
 Sample : K5225-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Manual Integrations
 APPROVED

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 10/11/2019 5:05:07 PM

Quant Time: Oct 10 20:32:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1140565	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.21	114	1869836	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1918242	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1718734	10.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	195757	1.464	ppbv	97
9) Propene	2.99	41	11323m	0.172	ppbv	
13) Ethanol	3.59	45	240291	15.040	ppbv	97
15) Acetone	3.85	43	172456	1.128	ppbv	96
19) Isopropyl Alcohol	3.98	45	100322	1.067	ppbv #	97
76) 1,4-Dichlorobenzene	17.23	146	4880540	29.898	ppbv	96

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

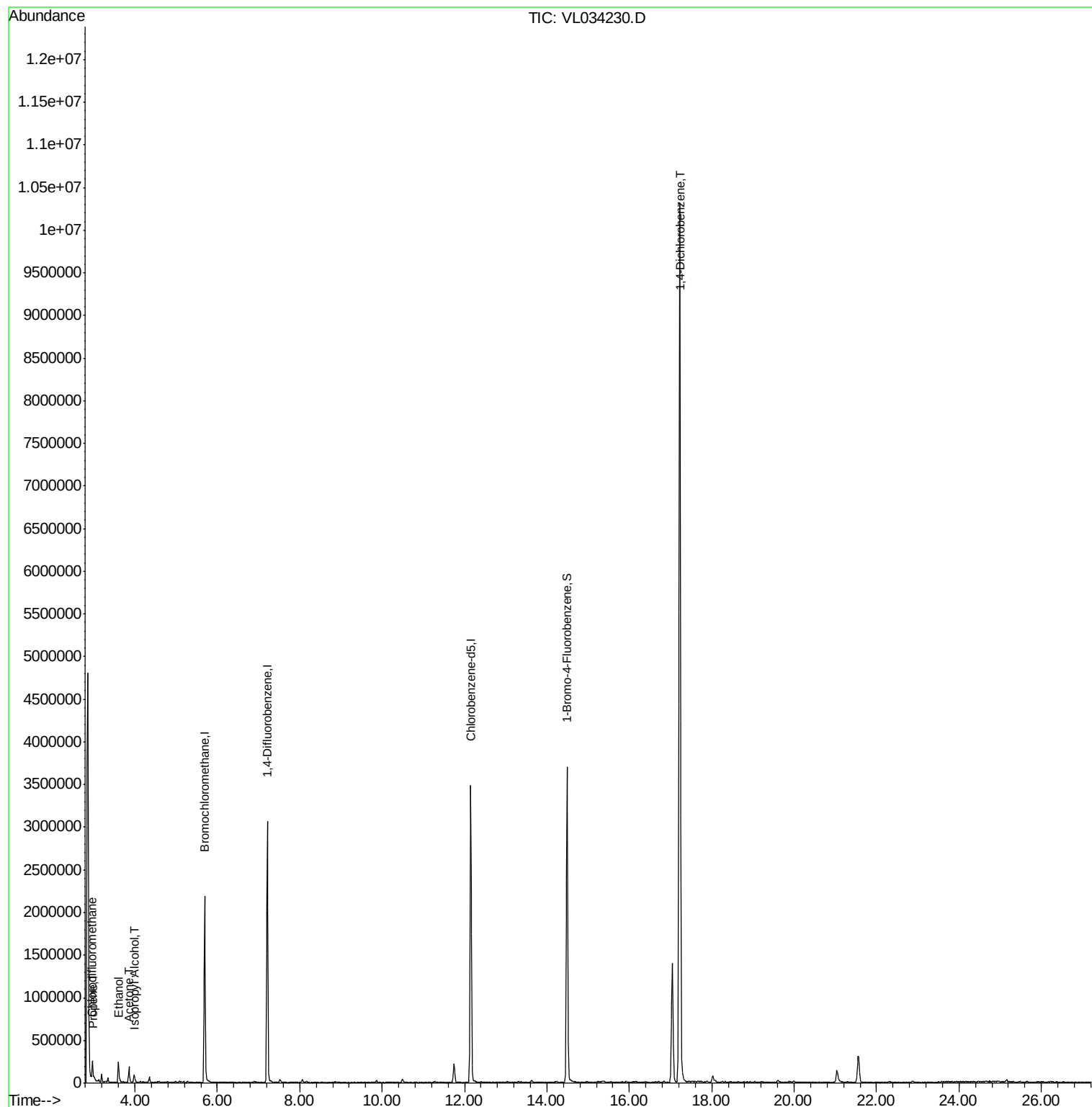
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
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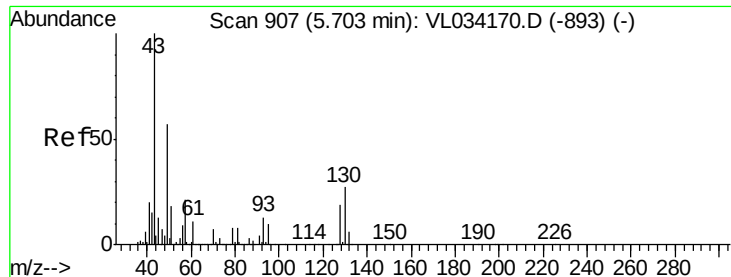
Instrument :
MSVOA_L
ClientSampleId :
IA3DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034230.D

Acq: 7 Oct 2019 20:16

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tgt Ion: 49 Resp: 1140565

Ion Ratio Lower Upper

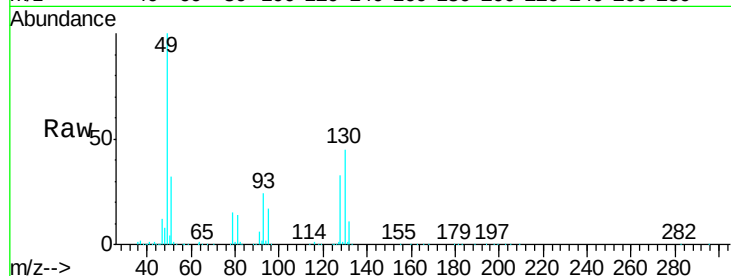
49 100

128 34.8 17.6 52.9

130 45.8 22.3 66.9

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

800000

600000

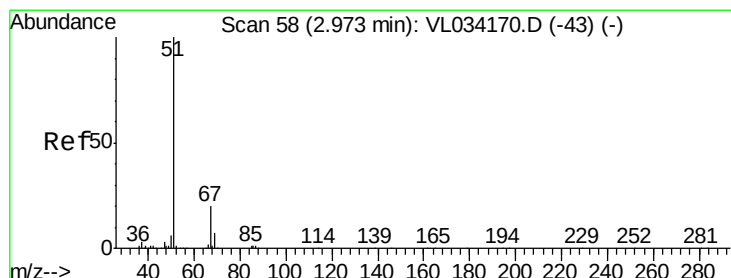
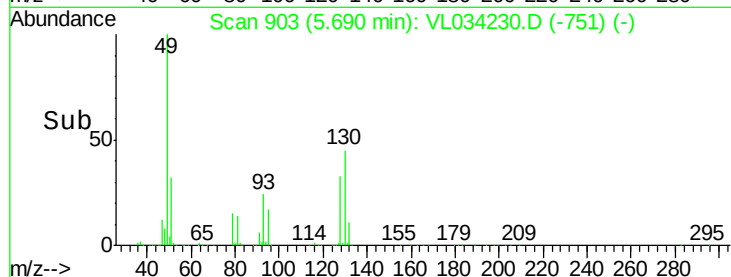
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 1.464 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034230.D

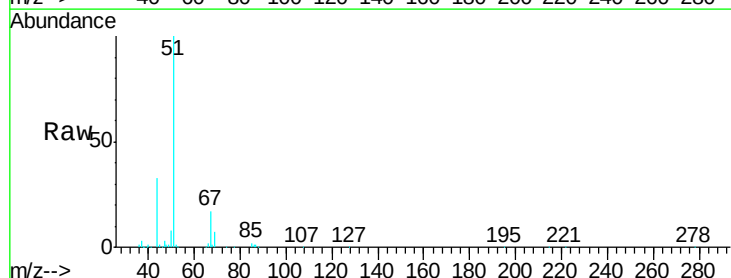
Acq: 7 Oct 2019 20:16

Tgt Ion: 51 Resp: 195757

Ion Ratio Lower Upper

51 100

67 16.9 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

150000

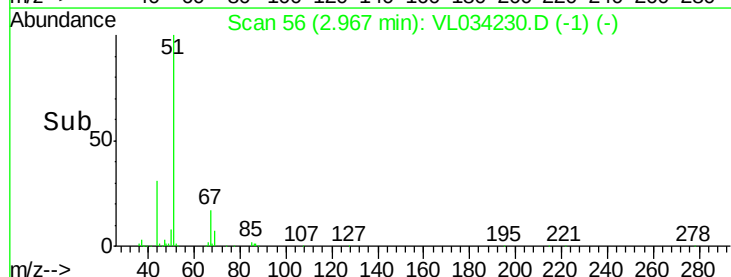
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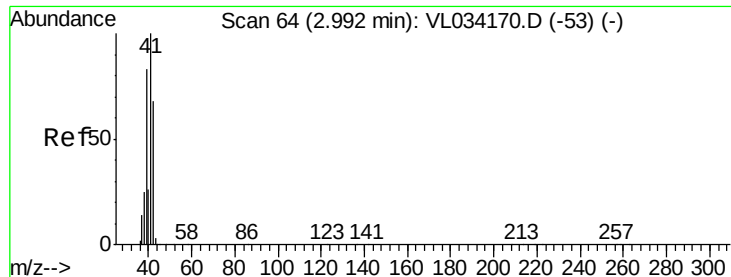
50000

0

2.90 2.95 3.00 3.10

Time-->





#9

Propene

Concen: 0.172 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL034230.D

Acq: 7 Oct 2019 20:16

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Tgt Ion: 41 Resp: 11323

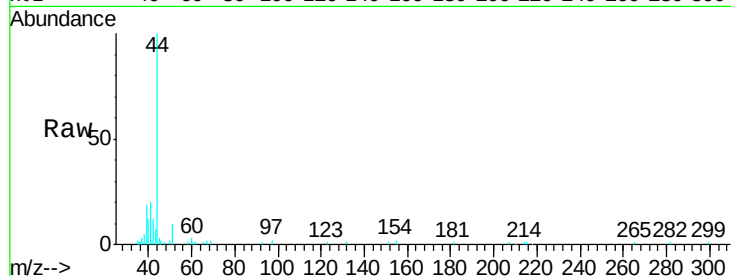
Ion Ratio Lower Upper

41 100

42 55.3 55.8 83.6#

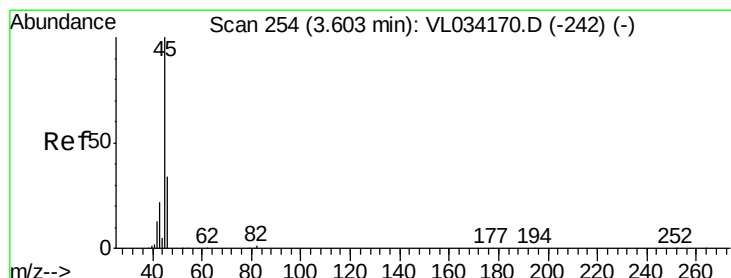
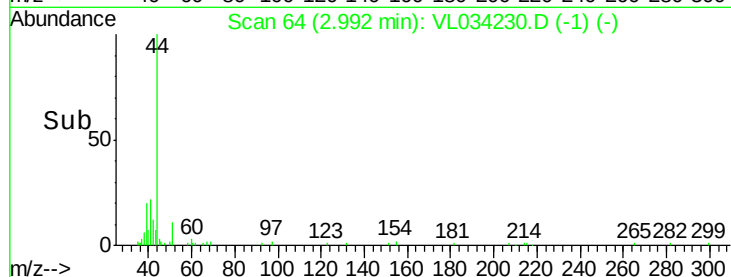
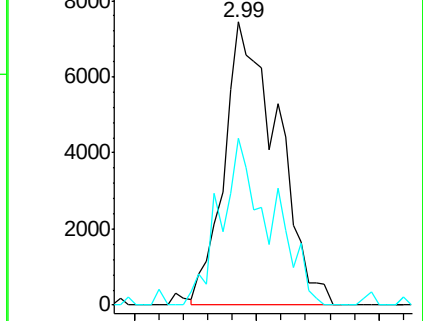
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 15.040 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL034230.D

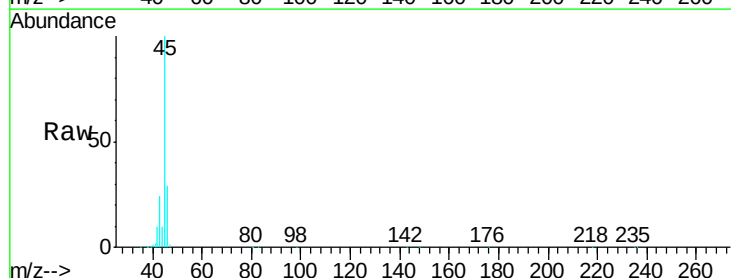
Acq: 7 Oct 2019 20:16

Tgt Ion: 45 Resp: 240291

Ion Ratio Lower Upper

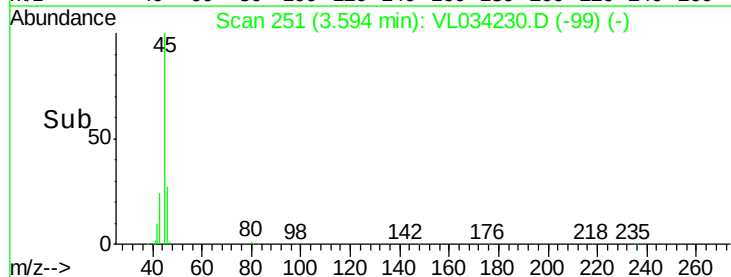
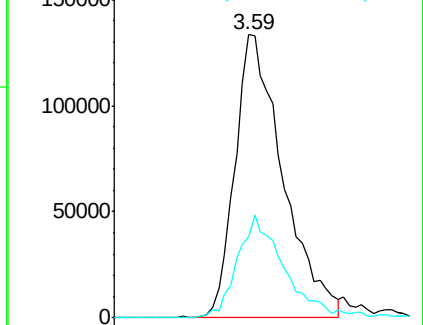
45 100

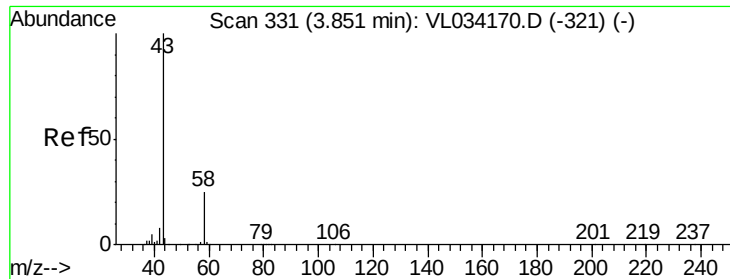
46 36.7 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





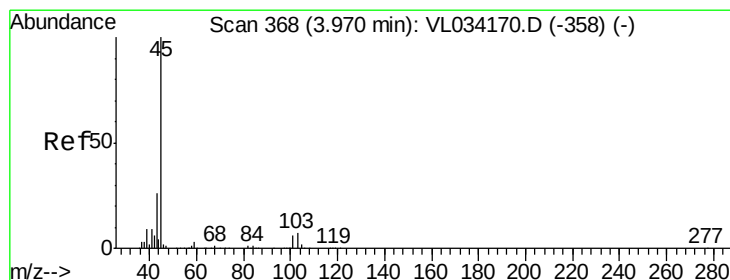
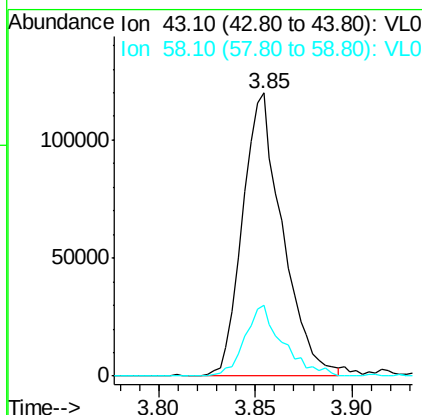
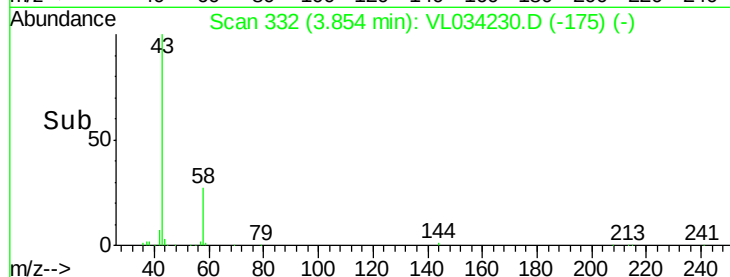
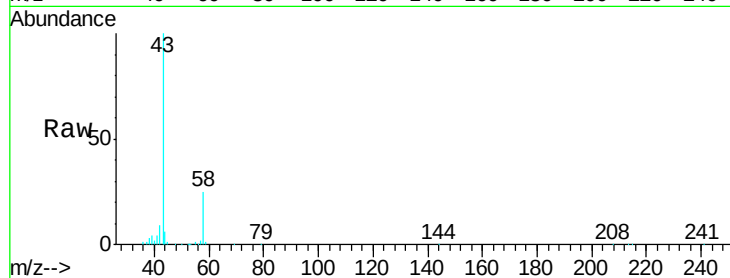
#15
Acetone
Concen: 1.128 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL034230.D
Acq: 7 Oct 2019 20:16

Instrument :
MSVOA_L
ClientSampled :
IA3DL

Tgt Ion: 43 Resp: 172456
Ion Ratio Lower Upper
43 100
58 23.7 20.5 30.7

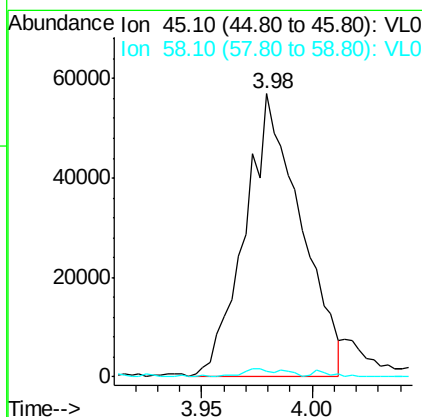
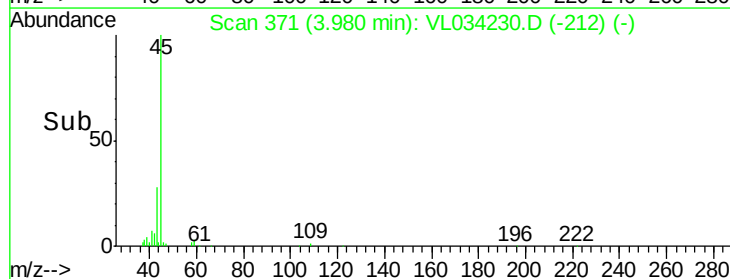
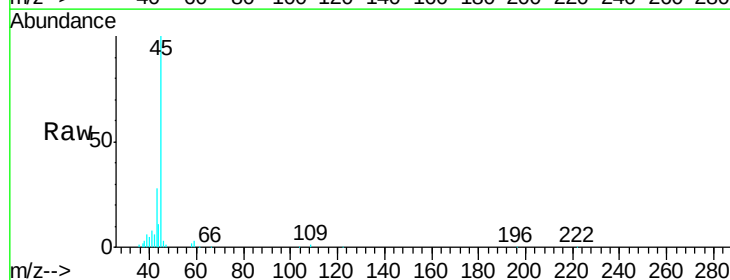
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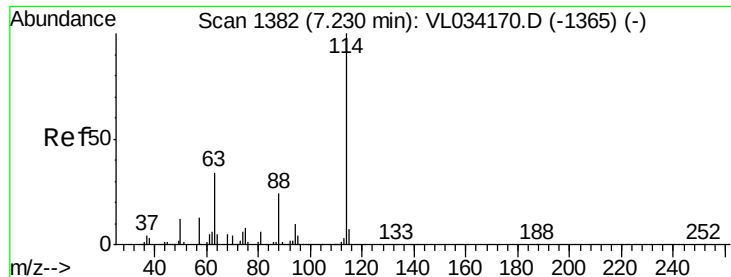
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#19
Isopropyl Alcohol
Concen: 1.067 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034230.D
Acq: 7 Oct 2019 20:16

Tgt Ion: 45 Resp: 100322
Ion Ratio Lower Upper
45 100
58 2.9 1.4 2.0#





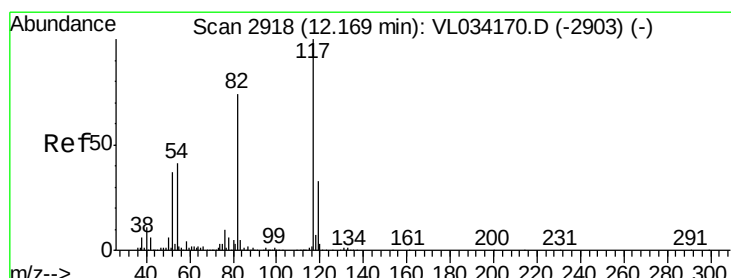
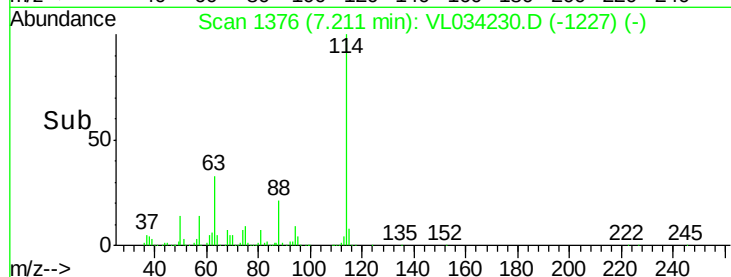
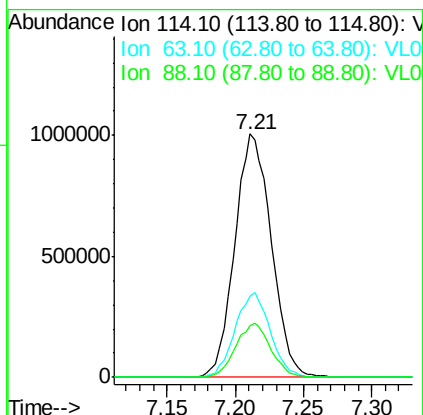
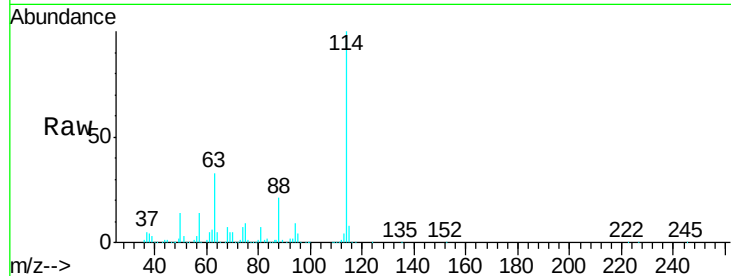
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034230.D
 Acq: 7 Oct 2019 20:16

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.8	27.8	41.6
88	21.4	17.1	25.7

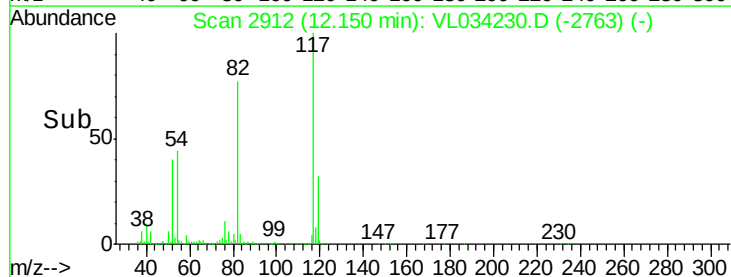
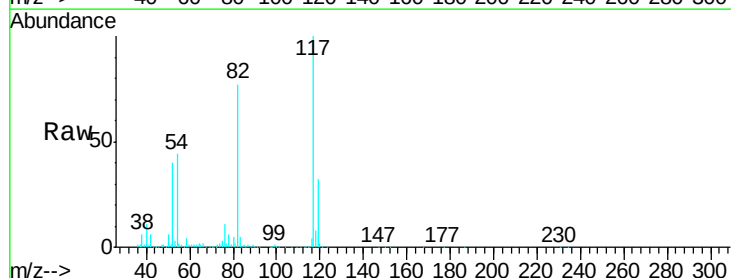
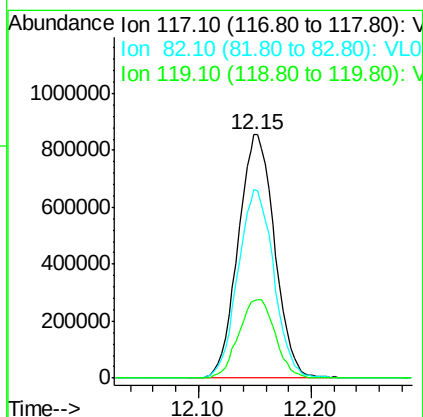
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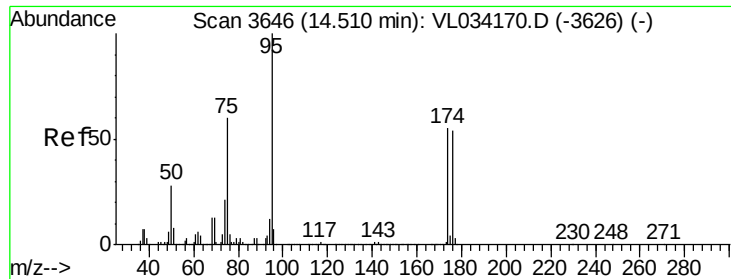
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2912
 Delta R.T. -0.02 min
 Lab File: VL034230.D
 Acq: 7 Oct 2019 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	76.2	58.2	87.4
119	32.4	23.7	35.5





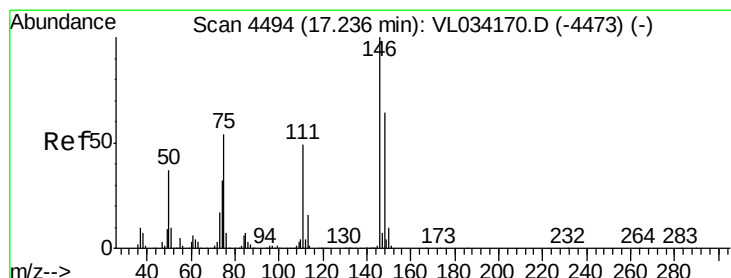
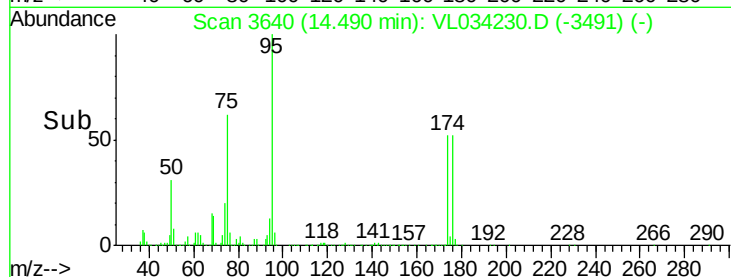
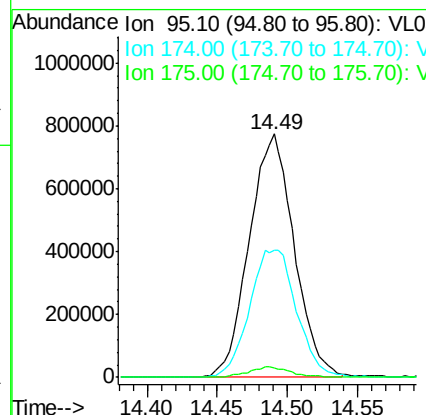
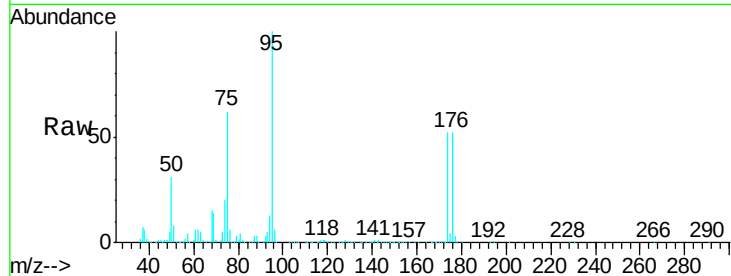
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.311 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.02 min
 Lab File: VL034230.D
 Acq: 7 Oct 2019 20:16

Instrument :
 MSVOA_L
 ClientSampled :
 IA3DL

Tgt Ion: 95 Resp: 1718734
 Ion Ratio Lower Upper
 95 100
 174 55.2 45.1 67.7
 175 4.1 3.3 4.9

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#76
 1,4-Dichlorobenzene
 Concen: 29.898 ppbv
 RT: 17.23 min Scan# 4491
 Delta R.T. -0.01 min
 Lab File: VL034230.D
 Acq: 7 Oct 2019 20:16

Tgt Ion: 146 Resp: 4880540
 Ion Ratio Lower Upper
 146 100
 111 52.4 24.6 74.0
 148 67.7 32.4 97.0

