

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034264.D
 Acq On : 9 Oct 2019 1:11
 Operator : SY/AP
 Sample : K5243-04DL 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 5:07:48 PM

Quant Time: Oct 09 06:01:39 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 12:53:31 2019
 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	5.68	49	1160053	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1914830	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1904935	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1693068	10.23	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	123107	0.718	ppbv	100
9) Propene	3.00	41	28146m	0.419	ppbv	
13) Ethanol	3.60	45	3269674	201.211	ppbv	98
15) Acetone	3.84	43	513812	3.305	ppbv	100
19) Isopropyl Alcohol	3.97	45	5710850	59.731	ppbv	100
34) 2-Butanone	5.27	43	24062	0.123	ppbv	96

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

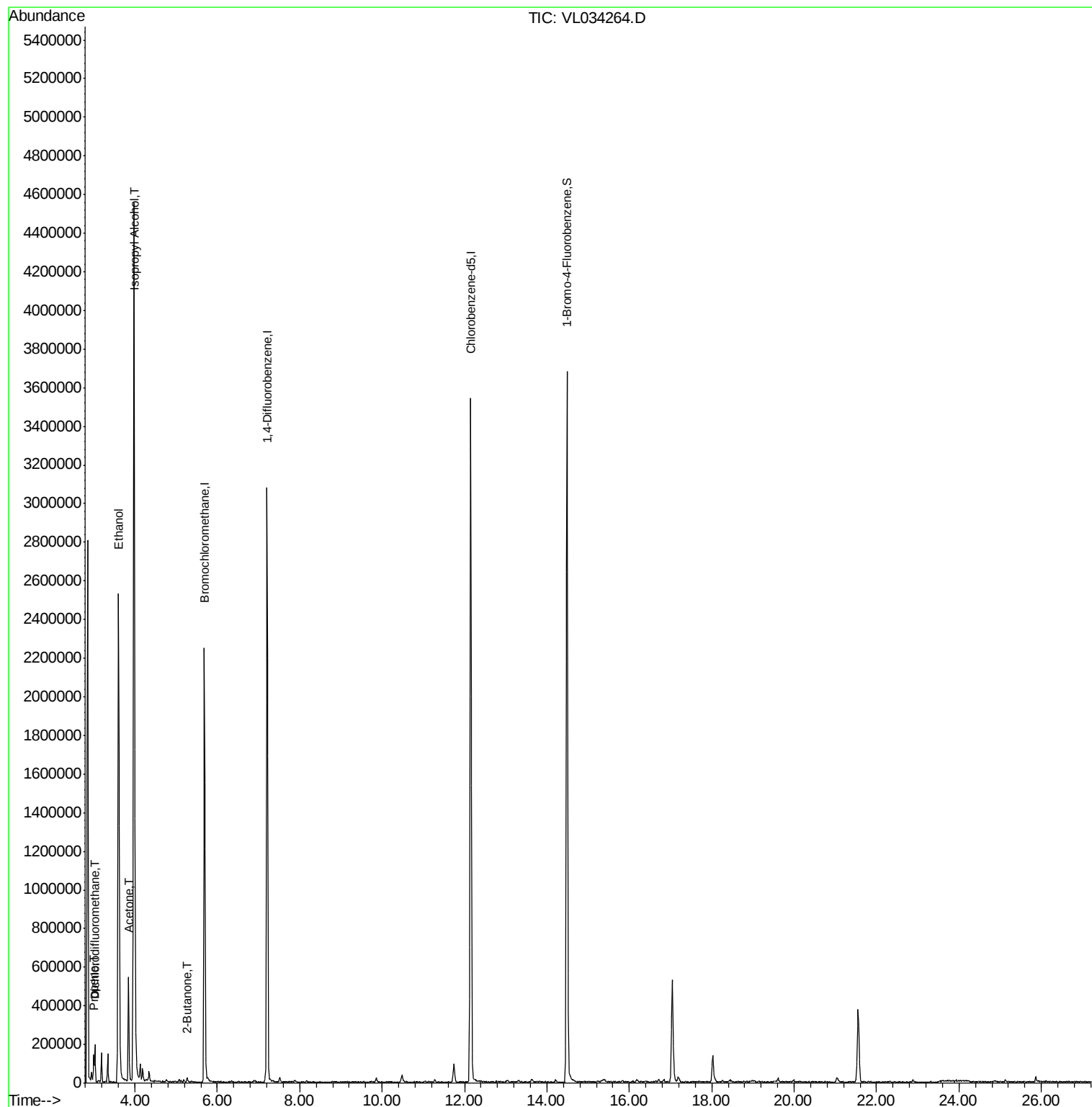
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
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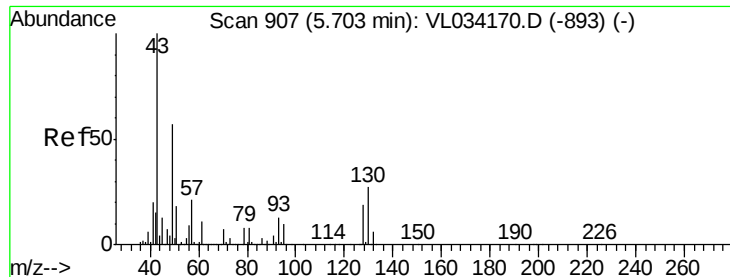
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.02 min

Lab File: VL034264.D

Acq: 9 Oct 2019 1:11

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tgt Ion: 49 Resp: 1160053

Ion Ratio Lower Upper

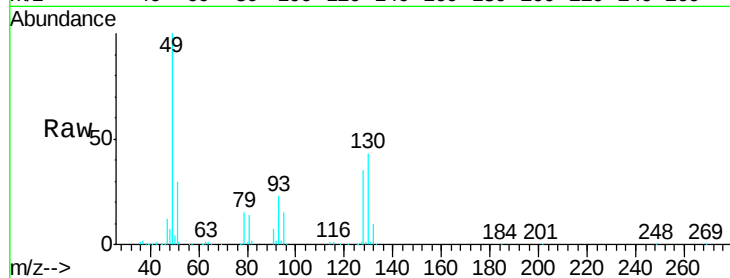
49 100

128 35.6 17.6 52.9

130 44.5 22.3 66.9

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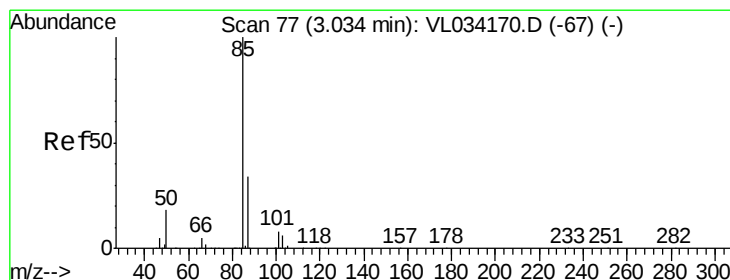
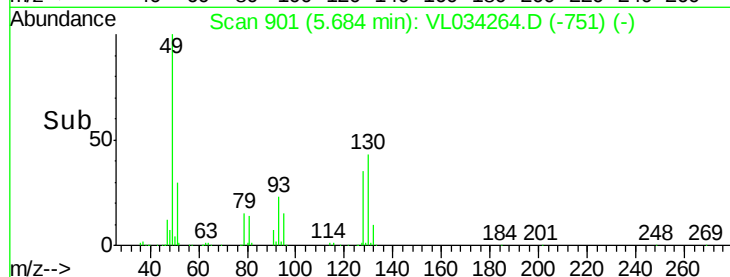
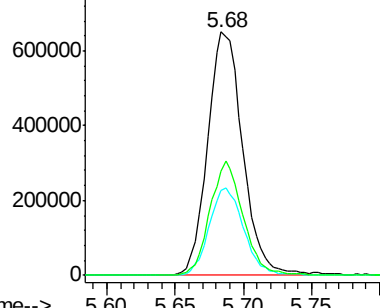
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.718 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034264.D

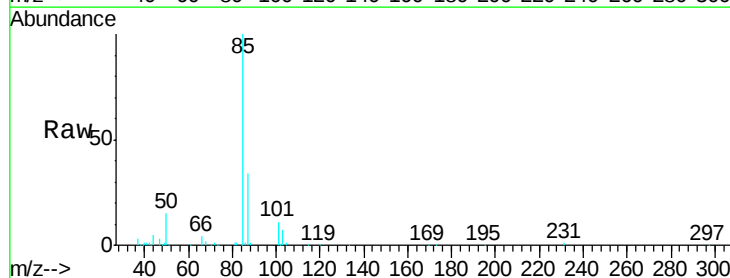
Acq: 9 Oct 2019 1:11

Tgt Ion: 85 Resp: 123107

Ion Ratio Lower Upper

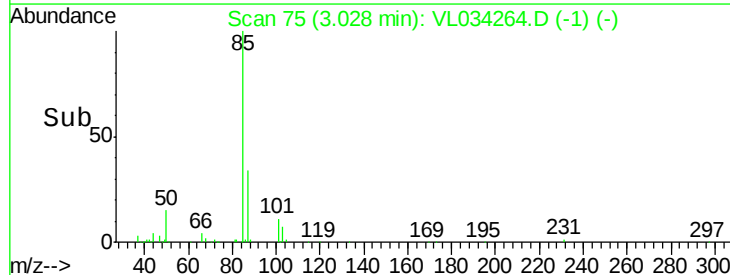
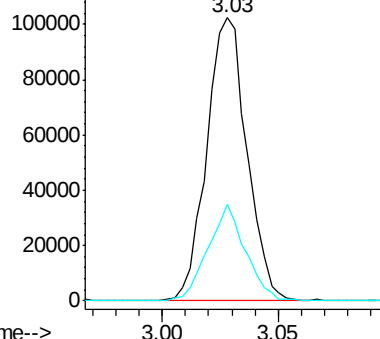
85 100

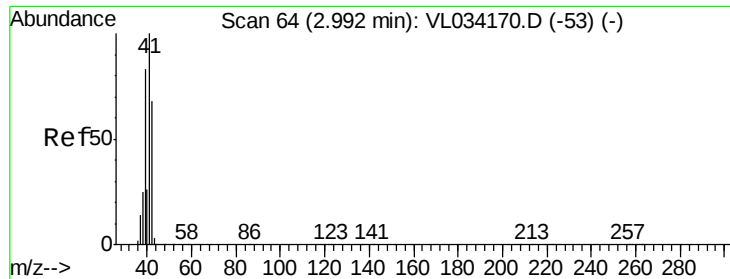
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





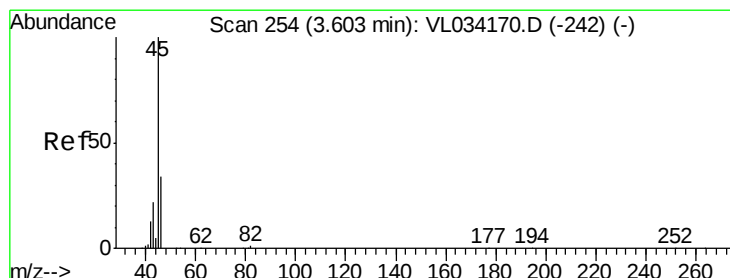
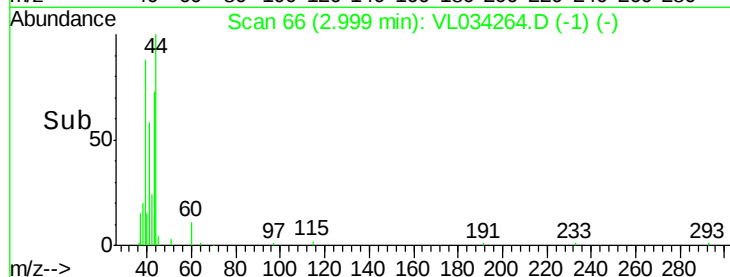
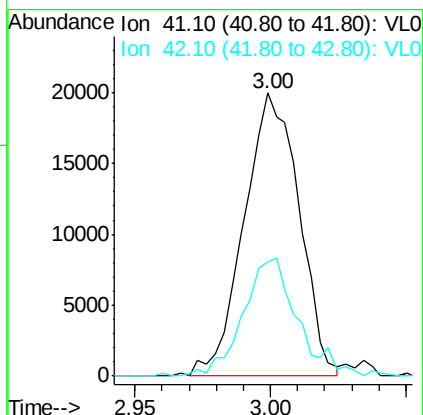
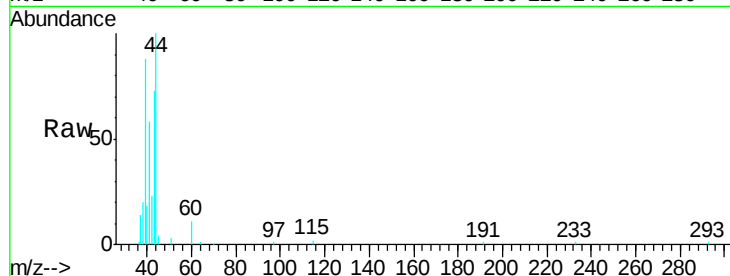
#9
 Propene
 Concen: 0.419 ppbv m
 RT: 3.00 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: VL034264.D
 Acq: 9 Oct 2019 1:11

Instrument :
 MSVOA_L
 ClientSampled :
 IA3DL

Tgt Ion: 41 Resp: 28146
 Ion Ratio Lower Upper
 41 100
 42 94.1 55.8 83.6#

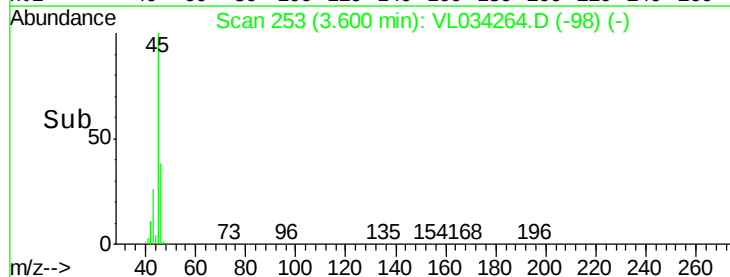
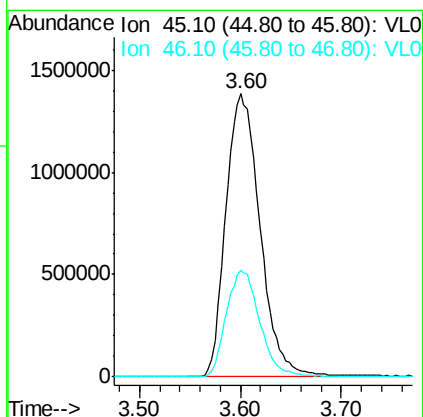
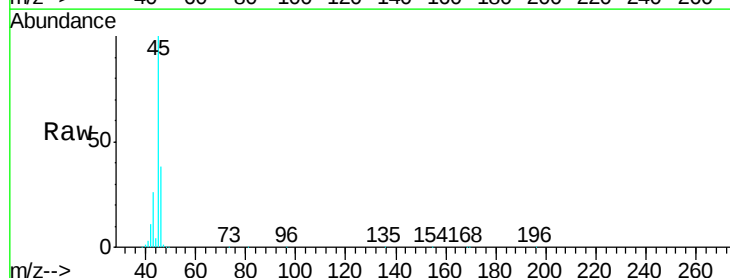
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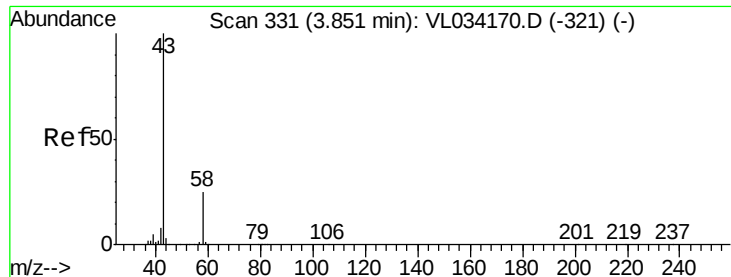
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#13
 Ethanol
 Concen: 201.211 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VL034264.D
 Acq: 9 Oct 2019 1:11

Tgt Ion: 45 Resp: 3269674
 Ion Ratio Lower Upper
 45 100
 46 37.2 15.5 61.9





#15

Acetone

Concen: 3.305 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL034264.D

Acq: 9 Oct 2019 1:11

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tgt Ion: 43 Resp: 513812

Ion Ratio Lower Upper

43 100

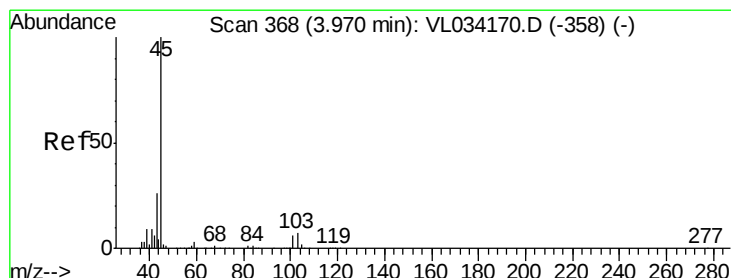
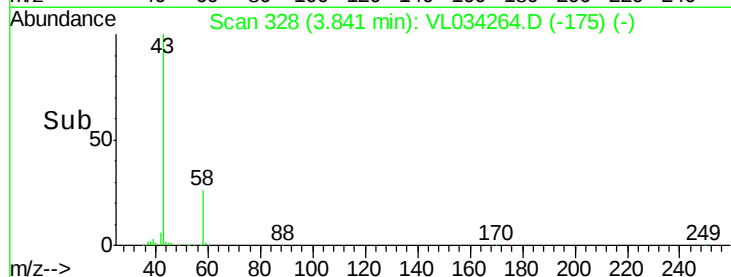
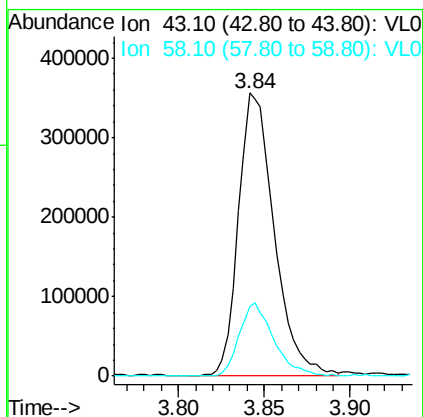
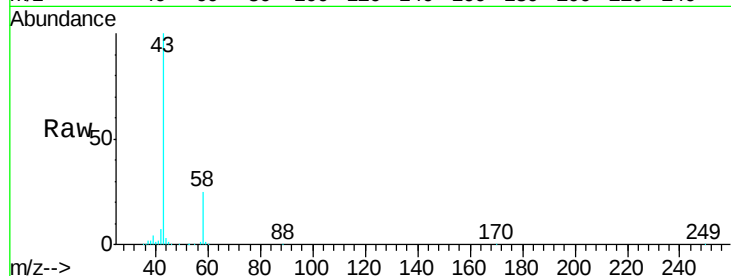
58 25.5 20.5 30.7

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#19

Isopropyl Alcohol

Concen: 59.731 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL034264.D

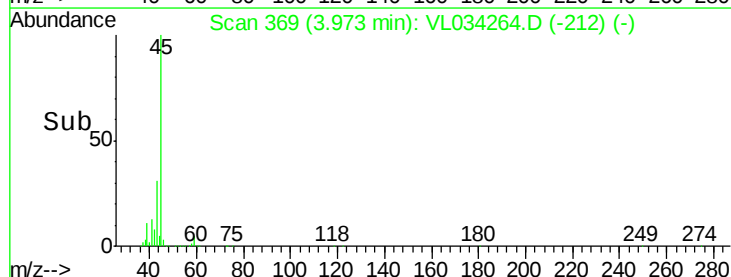
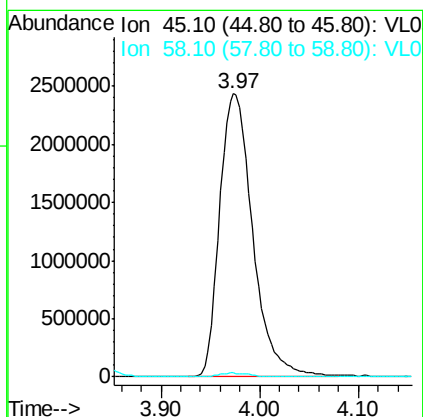
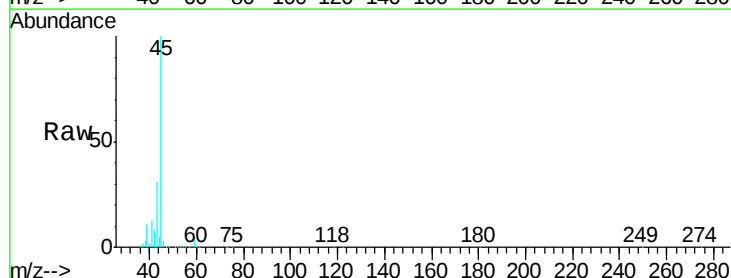
Acq: 9 Oct 2019 1:11

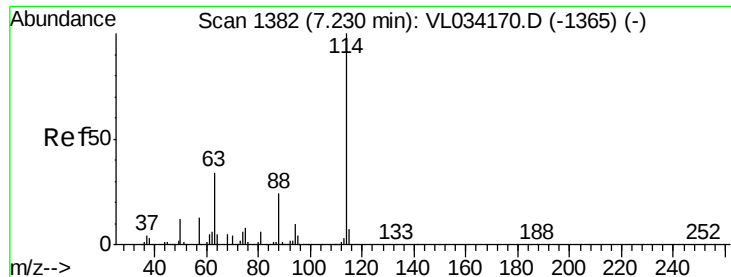
Tgt Ion: 45 Resp: 5710850

Ion Ratio Lower Upper

45 100

58 1.6 1.4 2.0





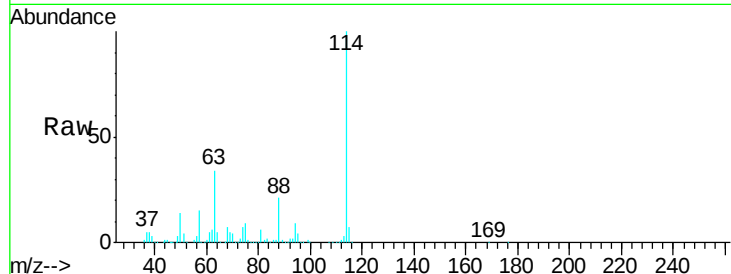
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034264.D
 Acq: 9 Oct 2019 1:11

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

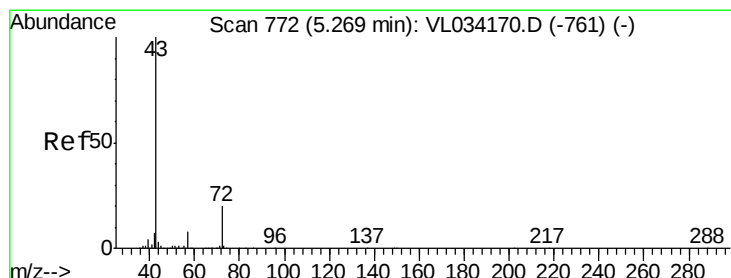
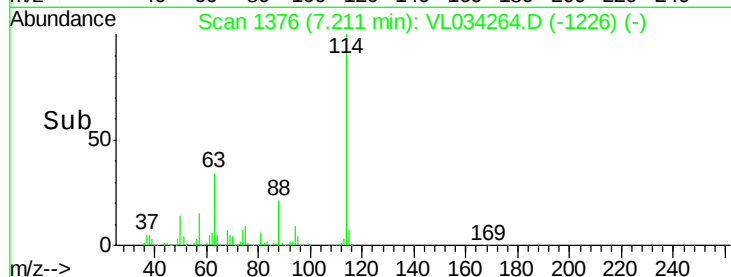
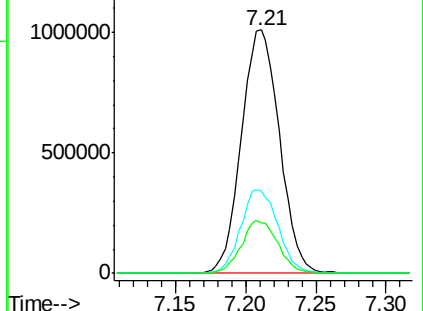
Tgt Ion	Ratio	Lower	Upper
114	100		
63	34.0	27.8	41.6
88	21.1	17.1	25.7

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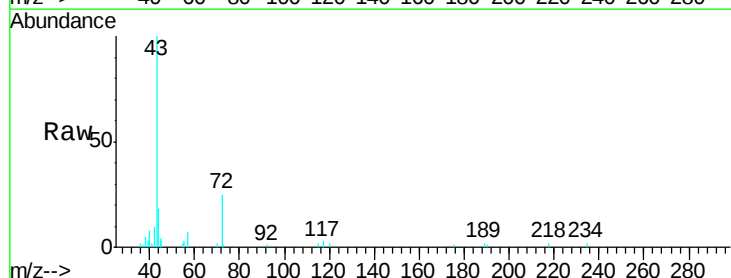


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

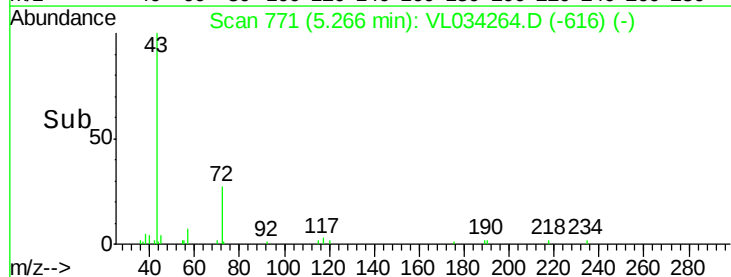
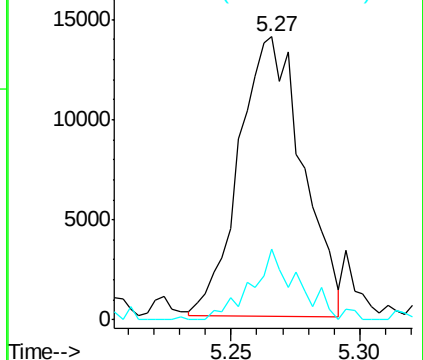


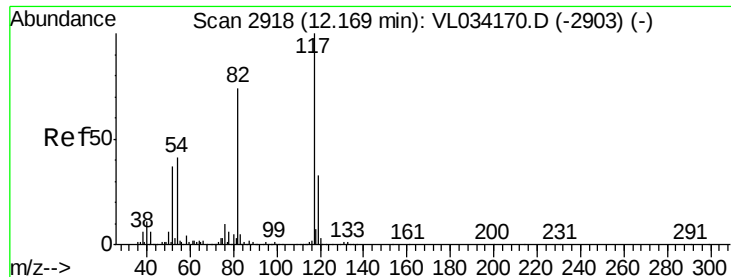
#34
 2-Butanone
 Concen: 0.123 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034264.D
 Acq: 9 Oct 2019 1:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	15.0	22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





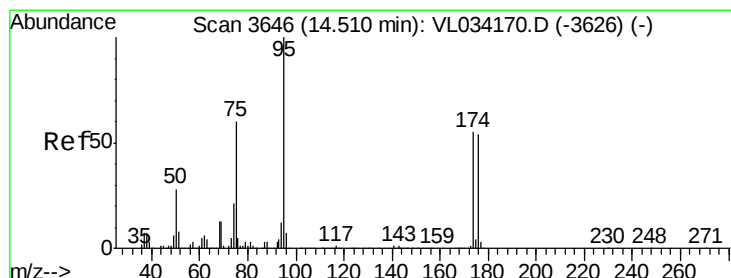
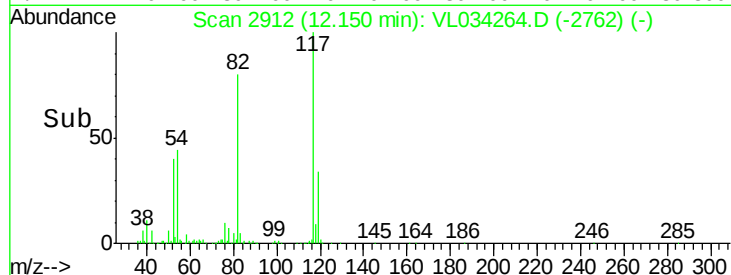
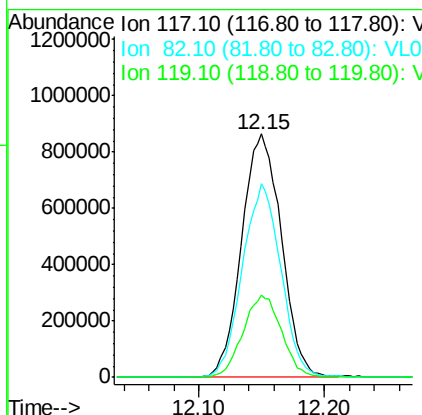
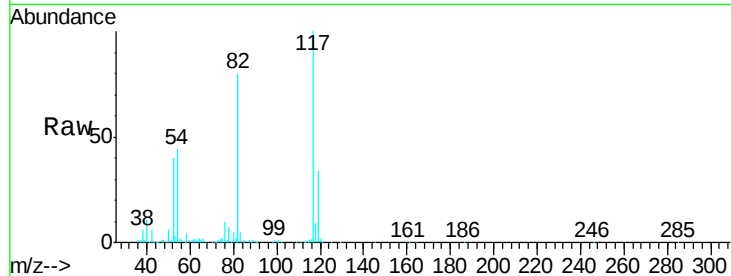
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034264.D
Acq: 9 Oct 2019 1:11

Instrument :
MSVOA_L
ClientSampleID :
IA3DL

Tgt Ion: 117 Resp: 1904935
Ion Ratio Lower Upper
117 100
82 77.1 58.2 87.4
119 32.7 23.7 35.5

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.228 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034264.D
Acq: 9 Oct 2019 1:11

Tgt Ion: 95 Resp: 1693068
Ion Ratio Lower Upper
95 100
174 55.8 45.1 67.7
175 4.0 3.3 4.9

