

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035063.D
 Acq On : 20 May 2020 3:28
 Operator : SY/AP
 Sample : L2683-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IR-PR-SSDL

Manual Integrations
 APPROVED

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 5/20/2020 4:28:10 PM

Quant Time: May 20 07:29:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1149661	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2615381	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2498832	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2110662	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	24417	0.429	ppbv	84
13) Ethanol	3.56	45	201132	10.701	ppbv	98
15) Acetone	3.81	43	440760	2.900	ppbv	97
19) Isopropyl Alcohol	3.93	45	25932m	0.256	ppbv	
34) 2-Butanone	5.22	43	63706m	0.392	ppbv	
52) Tetrachloroethene	11.23	164	152135	1.984	ppbv	96

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

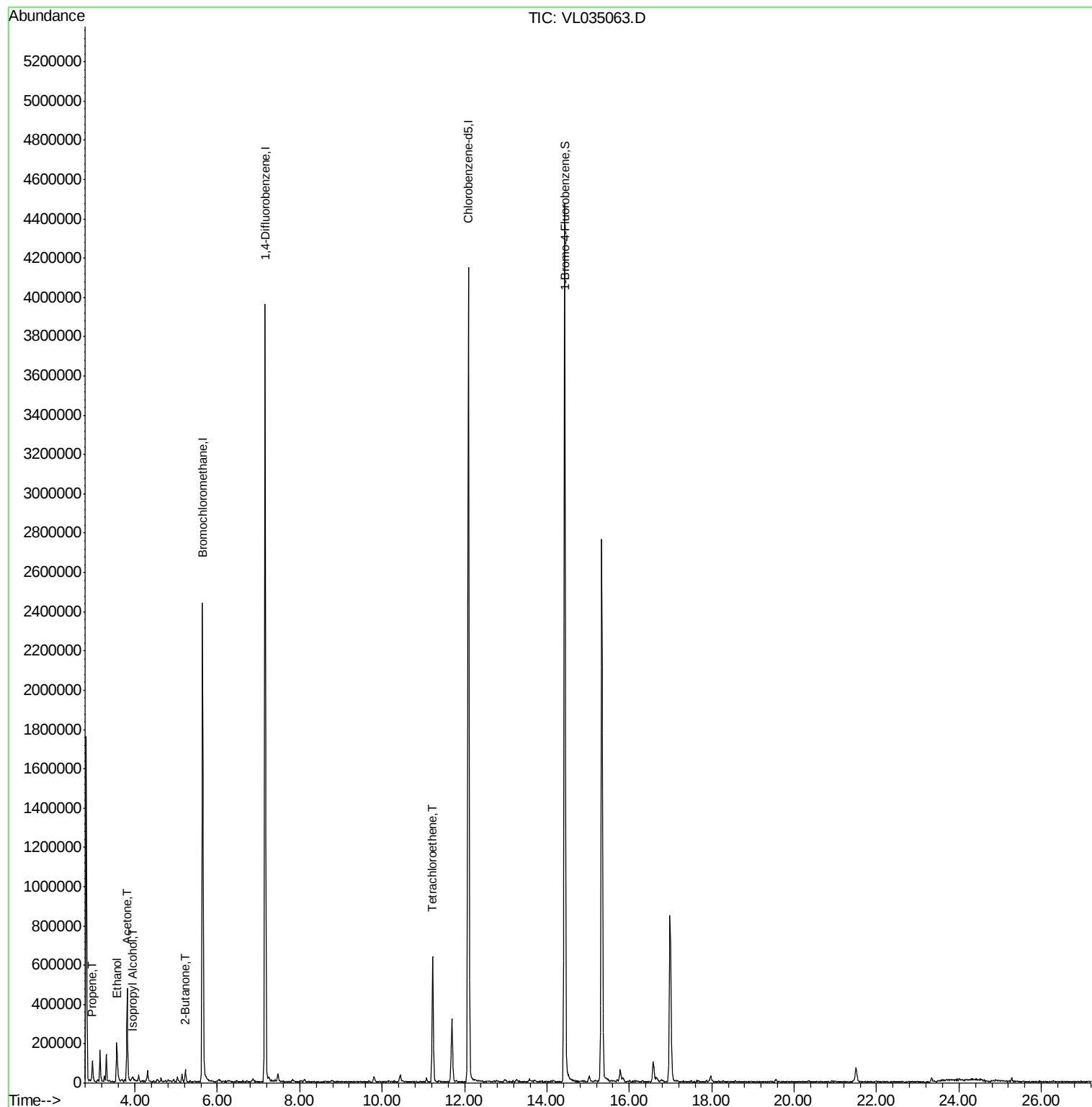
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
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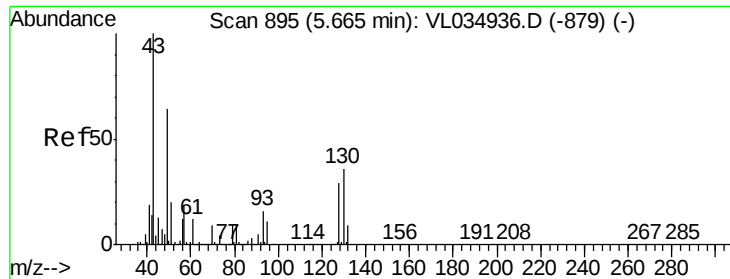
Instrument :
MSVOA_L
ClientSampleId :
IR-PR-SSDL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035063.D

Acq: 20 May 2020 3:28

Instrument :

MSVOA_L

ClientSampled :

IR-PR-SSDL

Tot Ion: 49 Resp: 1149661

Ion Ratio Lower Upper

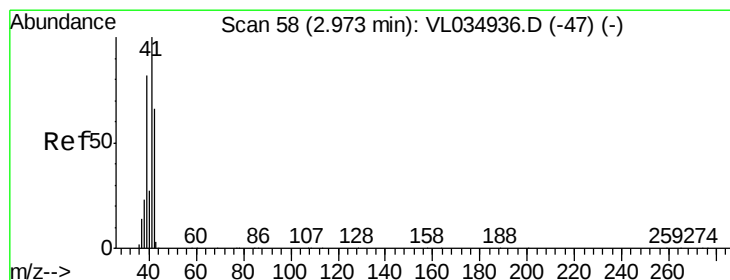
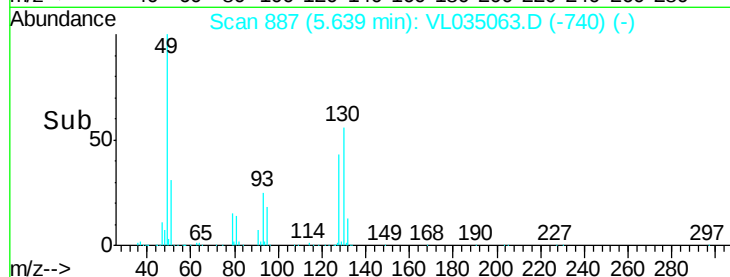
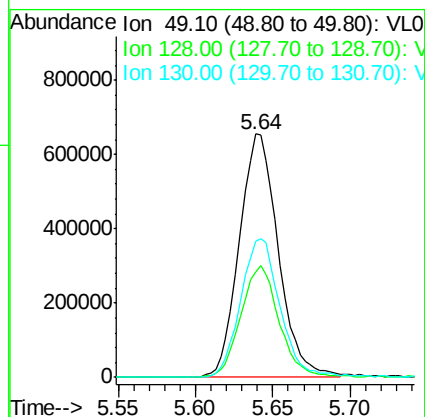
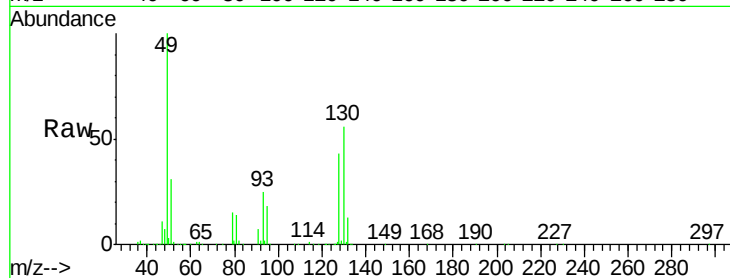
49 100

128 45.7 22.1 66.5

130 58.7 29.1 87.3

Manual Integrations
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#9

Propene

Concen: 0.429 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL035063.D

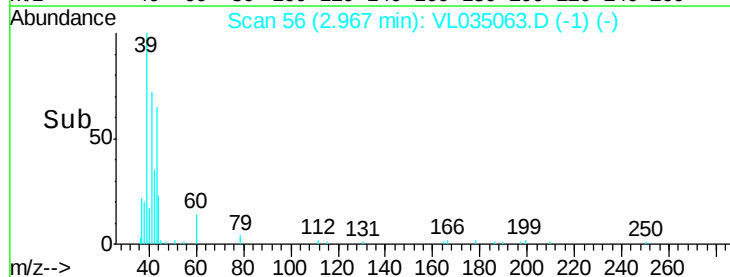
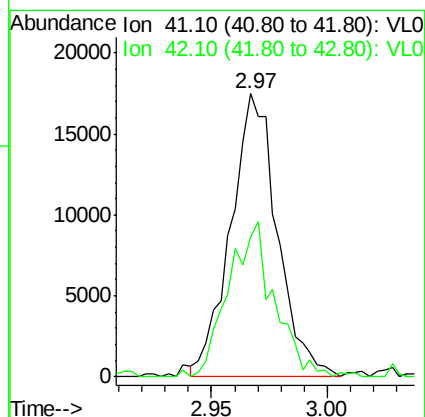
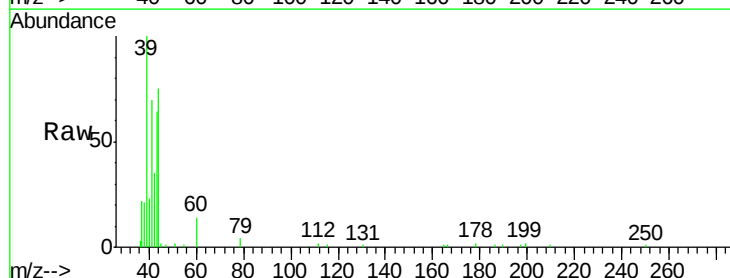
Acq: 20 May 2020 3:28

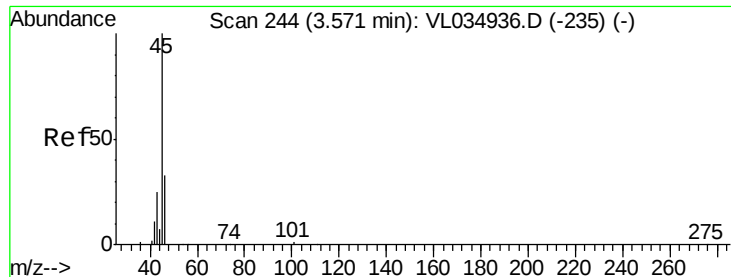
Tgt Ion: 41 Resp: 24417

Ion Ratio Lower Upper

41 100

42 55.2 54.5 81.7





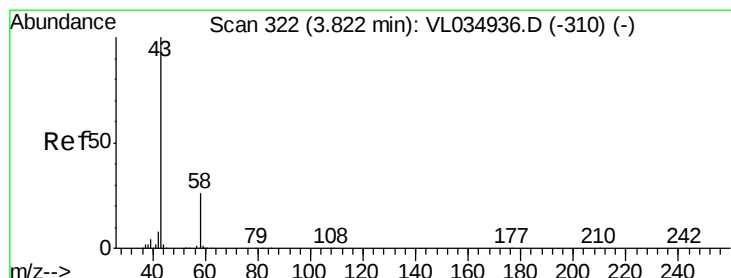
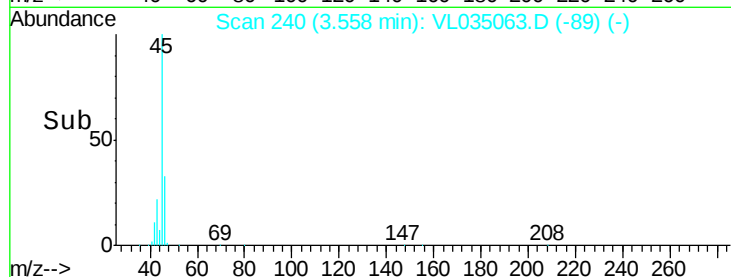
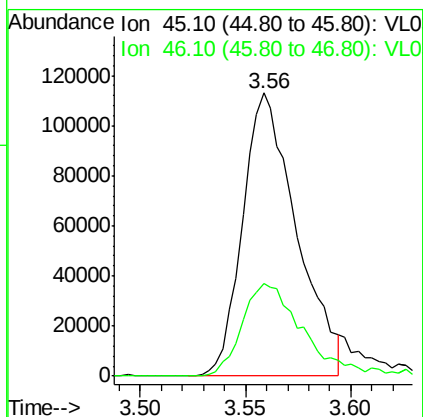
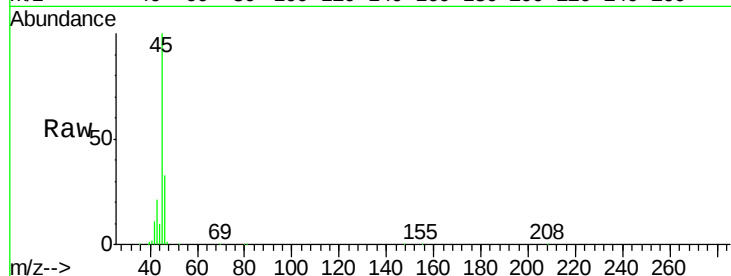
#13
Ethanol
Concen: 10.701 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035063.D
Acq: 20 May 2020 3:28

Instrument :
MSVOA_L
ClientSampleId :
IR-PR-SSDL

Tot Ion	45	Resp	201132
Ion Ratio	100	Lower	Upper
45	100		
46	36.8	14.3	57.3

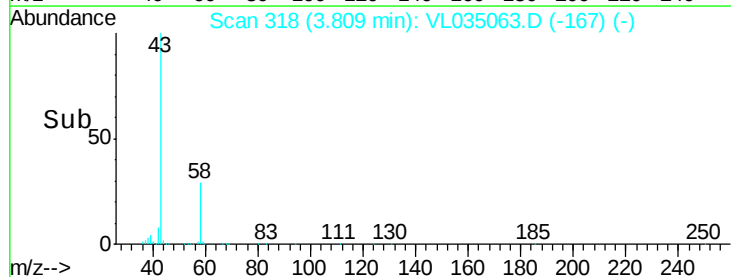
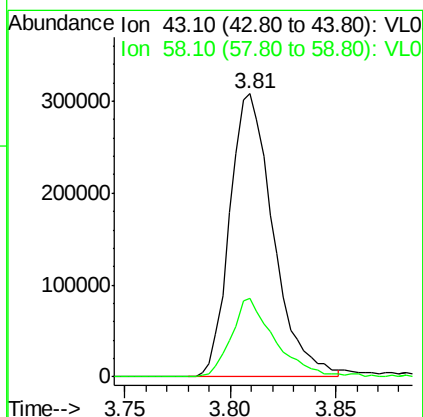
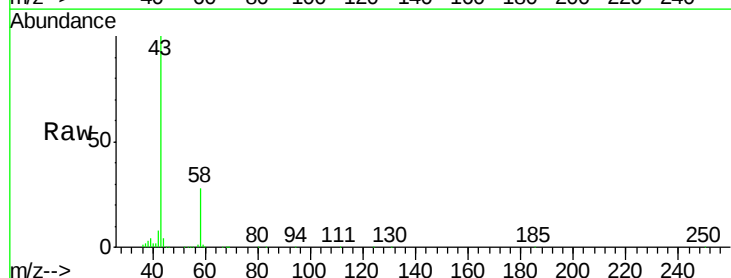
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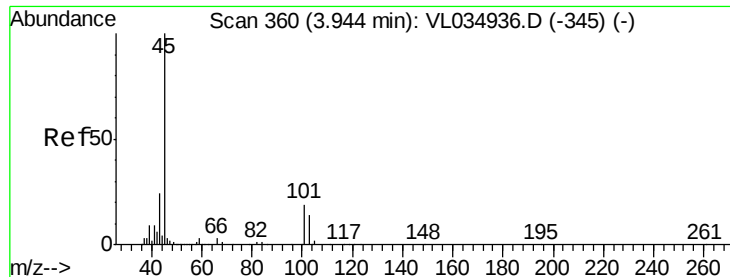
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#15
Acetone
Concen: 2.900 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035063.D
Acq: 20 May 2020 3:28

Tgt Ion	43	Resp	440760
Ion Ratio	100	Lower	Upper
43	100		
58	28.5	21.7	32.5





#19

Isopropyl Alcohol

Concen: 0.256 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL035063.D

Acq: 20 May 2020 3:28

Instrument :

MSVOA_L

ClientSampleId :

IR-PR-SSDL

Tot Ion: 45 Resp: 25932

Ion Ratio Lower Upper

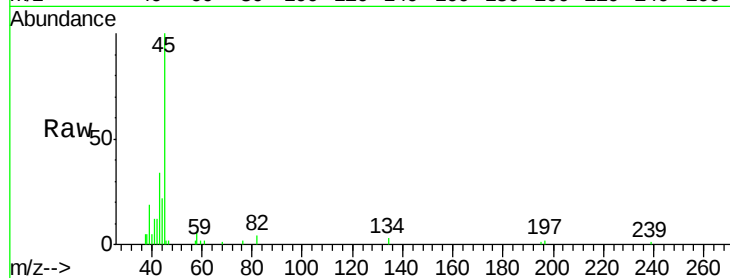
45 100

58 0.0 1.7 2.5#

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

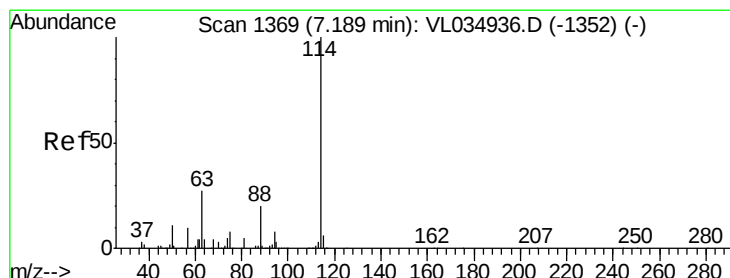
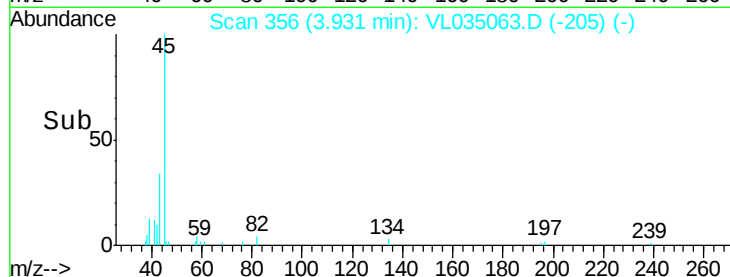
15000

10000

5000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.03 min

Lab File: VL035063.D

Acq: 20 May 2020 3:28

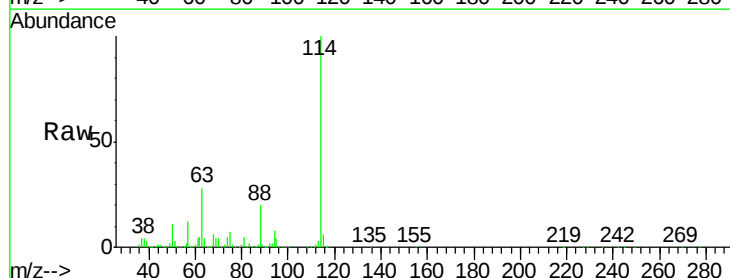
Tgt Ion: 114 Resp: 2615381

Ion Ratio Lower Upper

114 100

63 27.6 22.2 33.4

88 19.6 15.5 23.3



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

2000000

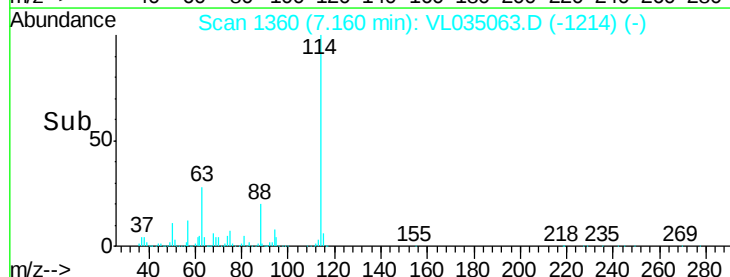
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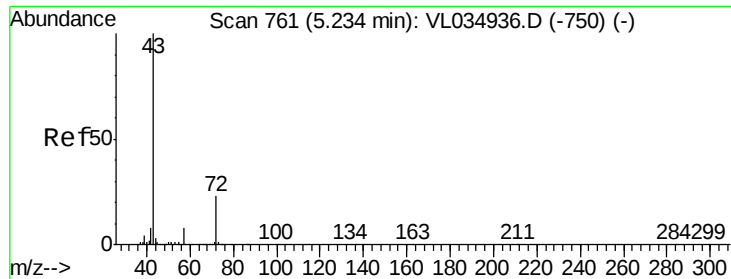
1000000

500000

0

Time-->





#34

2-Butanone

Concen: 0.392 ppbv m

RT: 5.22 min Scan# 757

Delta R.T. -0.01 min

Lab File: VL035063.D

Acq: 20 May 2020 3:28

Instrument :

MSVOA_L

ClientSampleId :

IR-PR-SSDL

Tot Ion: 43 Resp: 63706

Ion Ratio Lower Upper

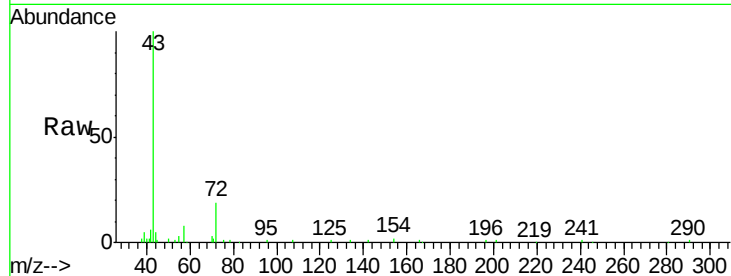
43 100

72 24.7 18.0 27.0

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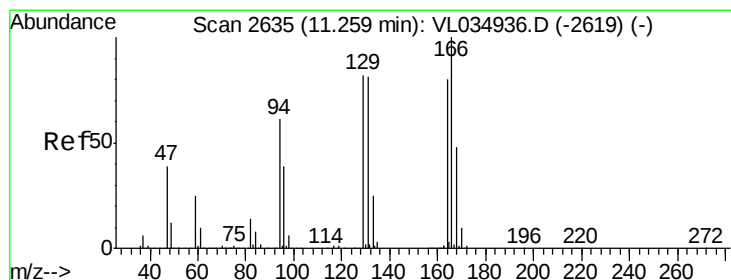
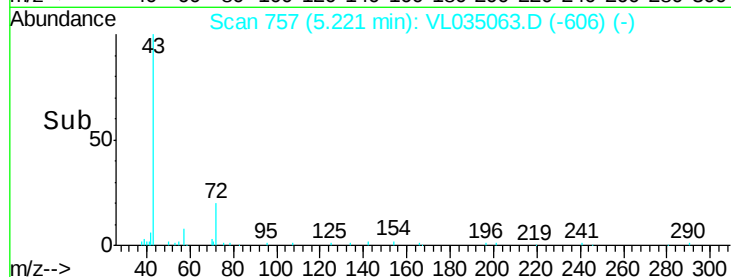
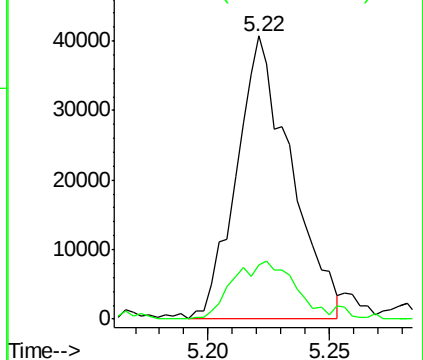
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#52

Tetrachloroethene

Concen: 1.984 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035063.D

Acq: 20 May 2020 3:28

Tgt Ion: 164 Resp: 152135

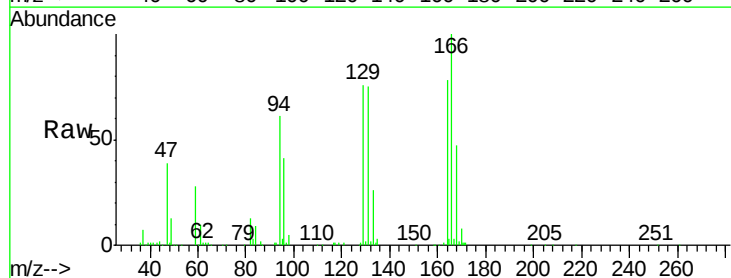
Ion Ratio Lower Upper

164 100

166 126.7 100.7 151.1

129 96.8 83.0 124.4

131 95.9 81.0 121.4

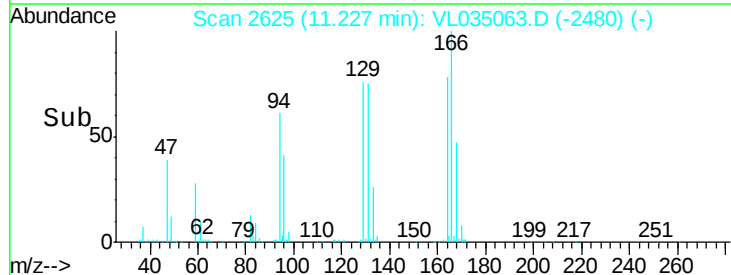
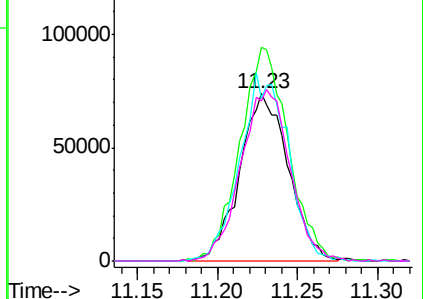


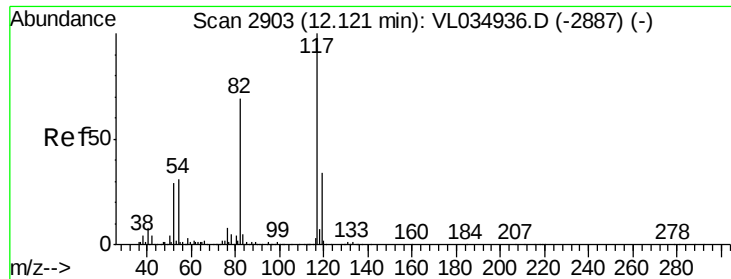
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





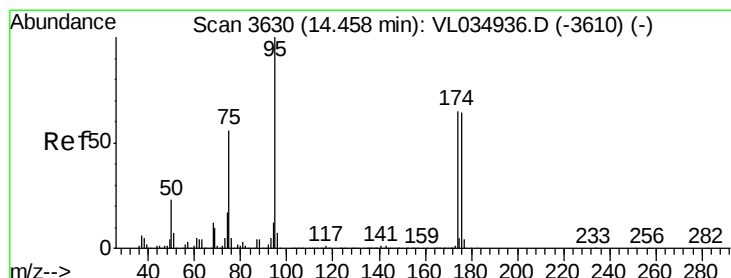
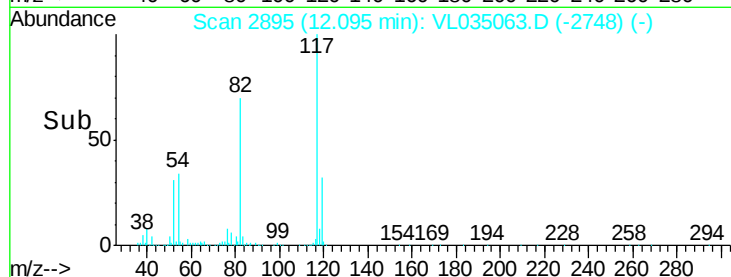
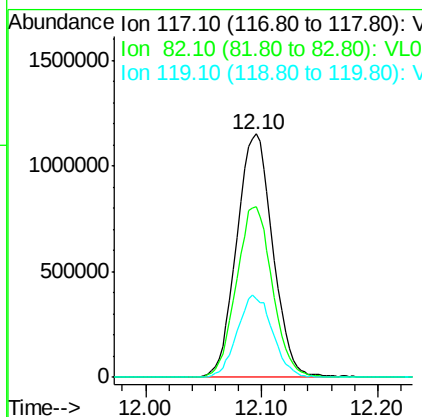
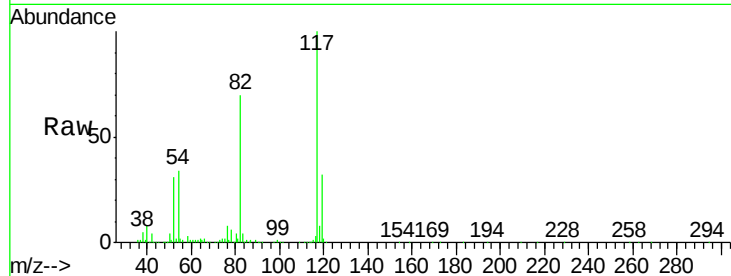
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035063.D
Acq: 20 May 2020 3:28

Instrument :
MSVOA_L
ClientSampleId :
IR-PR-SSDL

Tot Ion:117 Resp: 2498832
Ion Ratio Lower Upper
117 100
82 69.9 53.1 79.7
119 33.2 26.7 40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.435 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.03 min
Lab File: VL035063.D
Acq: 20 May 2020 3:28

Tgt Ion: 95 Resp: 2110662
Ion Ratio Lower Upper
95 100
174 64.3 51.5 77.3
175 4.7 3.8 5.8

