

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034157.D
 Acq On : 11 Sep 2019 00:20
 Operator : SY/AP
 Sample : K4775-04DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:31 AM

Quant Time: Sep 11 04:34:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	667829	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1199652	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.17	117	1190190	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1014333	10.42	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	10408	0.250	ppbv	97
13) Ethanol	3.63	45	5016m	0.615	ppbv	
15) Acetone	3.85	43	373349	4.639	ppbv	99
19) Isopropyl Alcohol	3.99	45	7271m	0.134	ppbv	
34) 2-Butanone	5.29	43	26963m	0.234	ppbv	
52) Tetrachloroethene	11.31	164	5618m	0.116	ppbv	

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

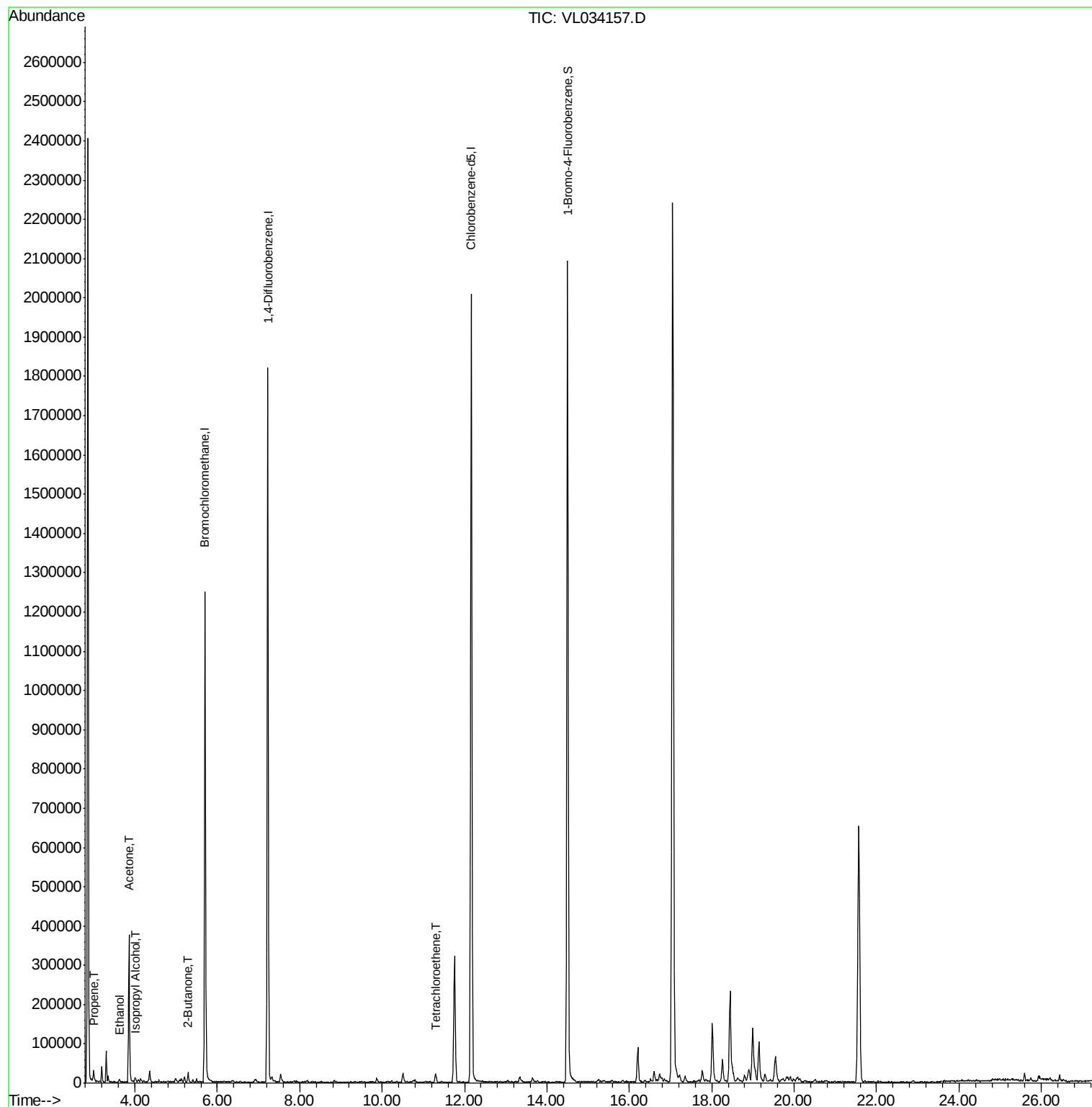
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091019\
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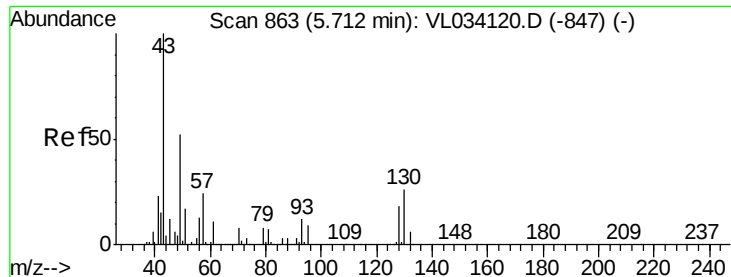
Instrument :
MSVOA_L
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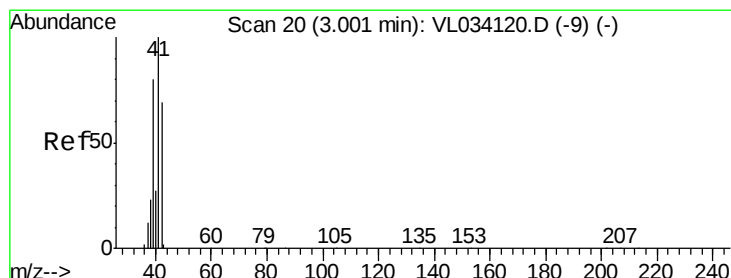
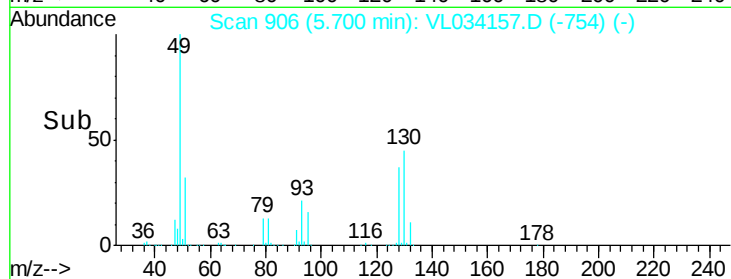
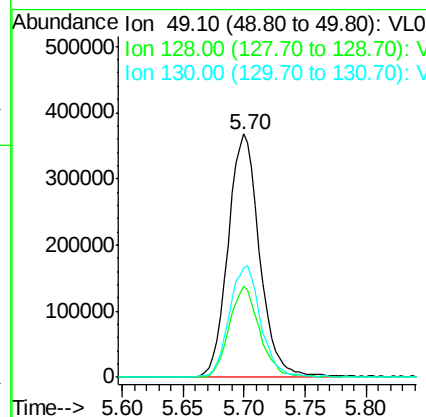
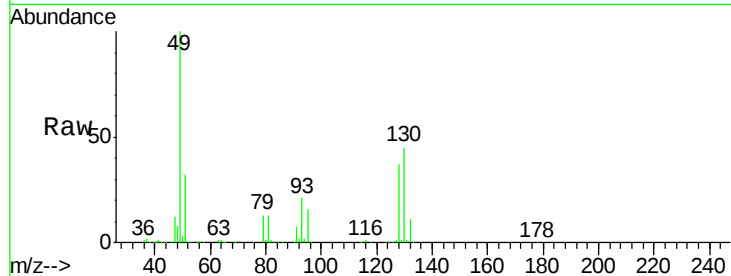
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Instrument :
MSVOA_L
ClientSampleID :
SV4DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.2	18.4	55.0
130	46.2	23.5	70.6

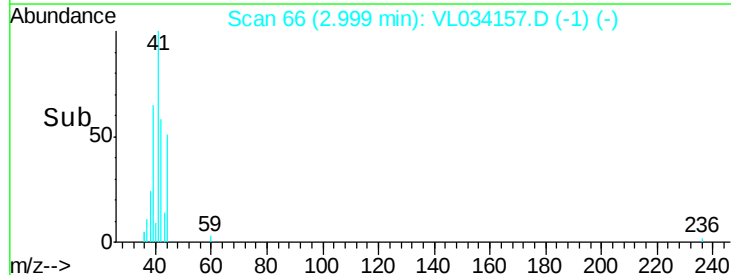
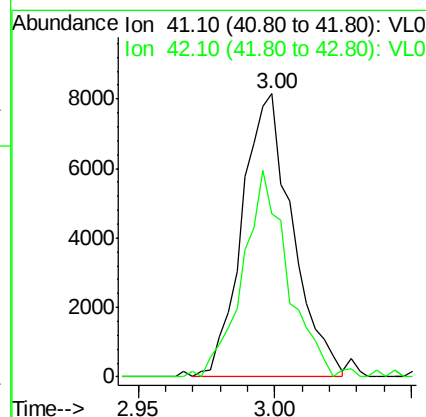
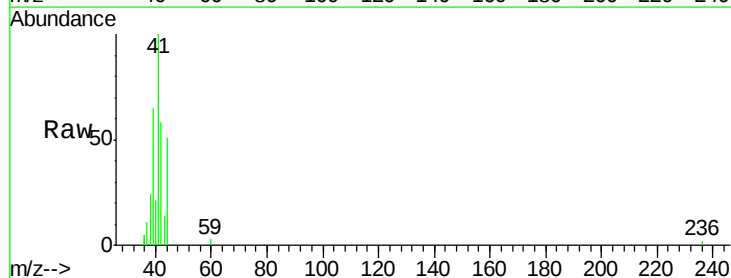
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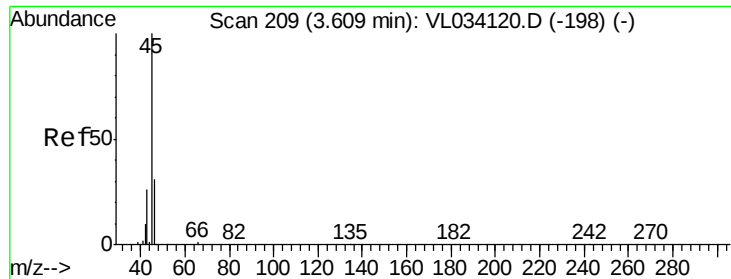
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#9
Propene
Concen: 0.250 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.00 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Tgt Ion	Ratio	Lower	Upper
41	100		
42	65.9	54.6	81.8





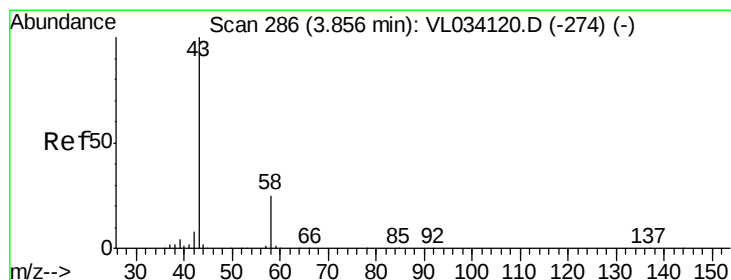
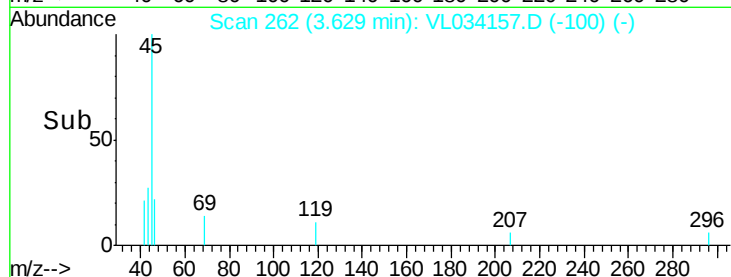
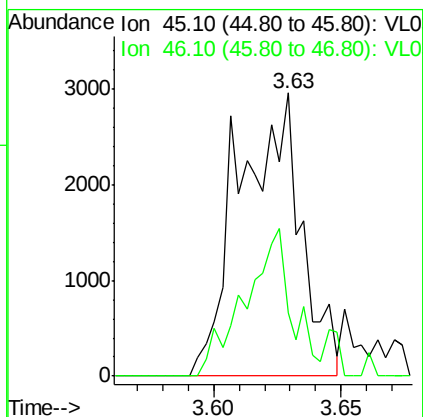
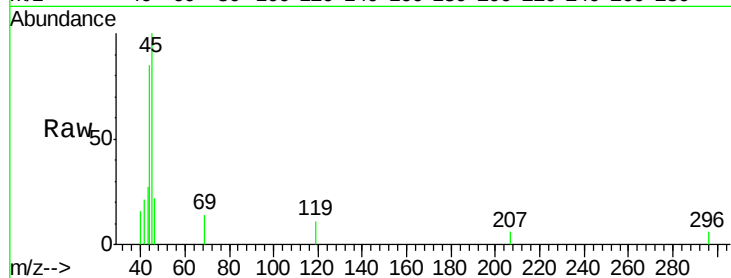
#13
Ethanol
Concen: 0.615 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.02 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion: 45 Resp: 5016
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#

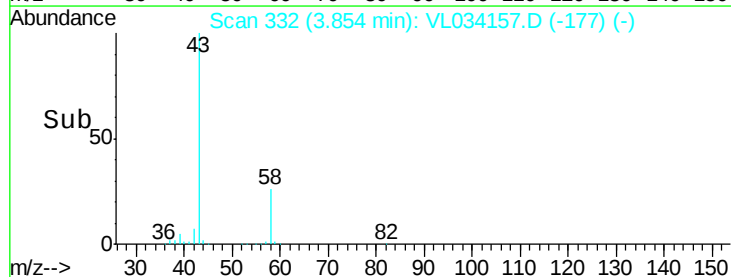
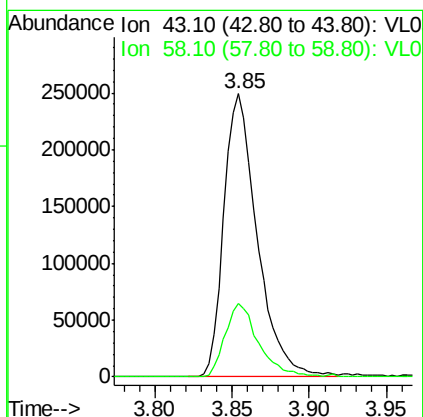
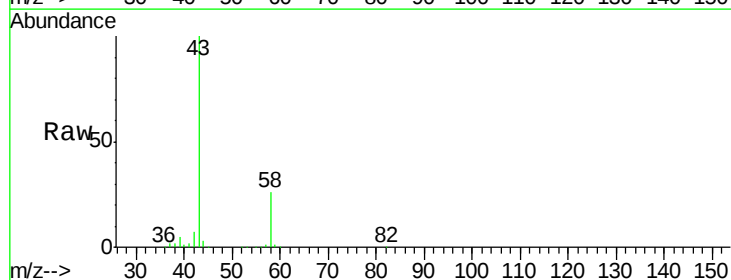
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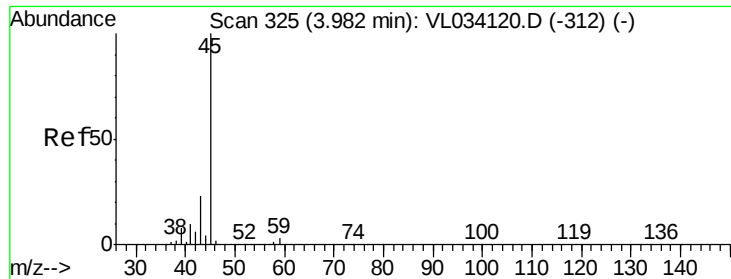
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#15
Acetone
Concen: 4.639 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Tgt Ion: 43 Resp: 373349
Ion Ratio Lower Upper
43 100
58 26.4 20.6 30.8





#19

Isopropyl Alcohol

Concen: 0.134 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tot Ion: 45 Resp: 7271

Ion Ratio Lower Upper

45 100

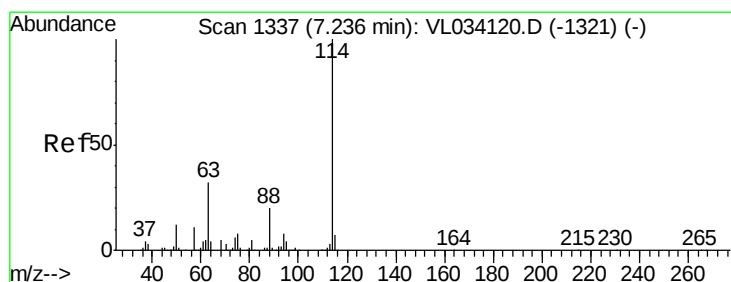
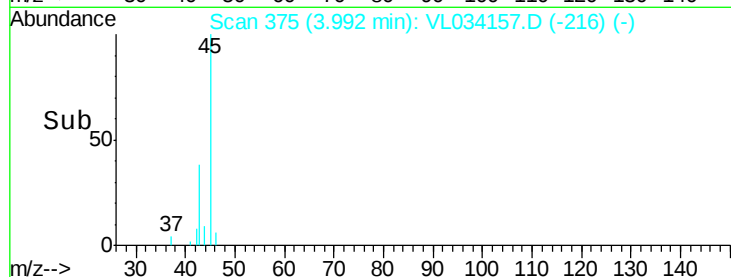
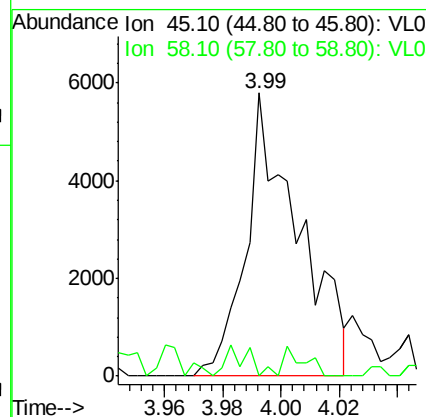
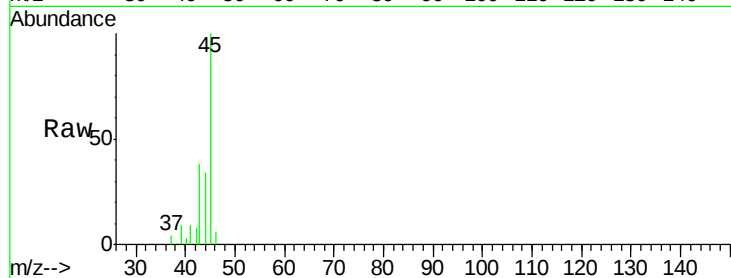
58 0.0 1.0 1.6#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

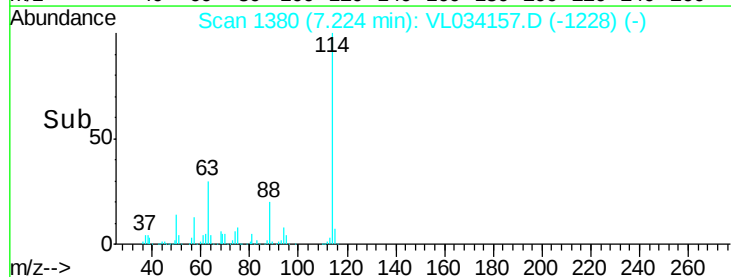
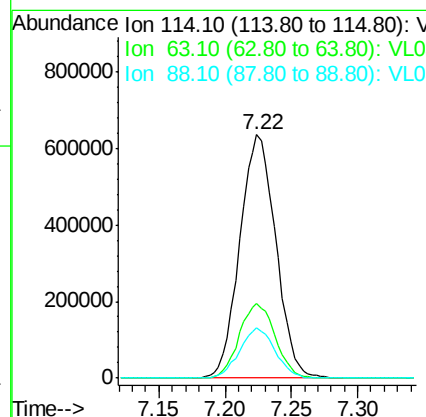
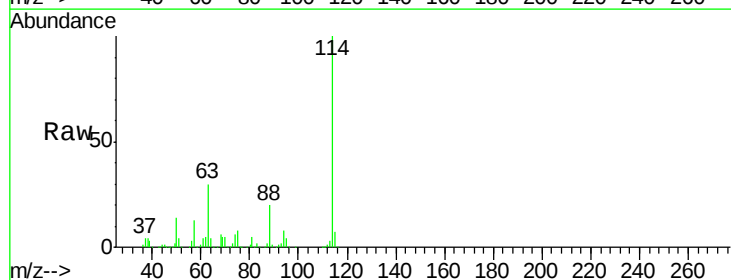
Tgt Ion: 114 Resp: 1199652

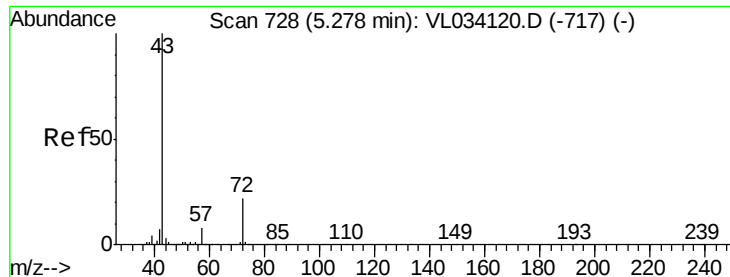
Ion Ratio Lower Upper

114 100

63 30.8 25.5 38.3

88 20.2 16.8 25.2





#34

2-Butanone

Concen: 0.234 ppbv m

RT: 5.29 min Scan# 778

Delta R.T. 0.01 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tot Ion: 43 Resp: 26963

Ion Ratio Lower Upper

43 100

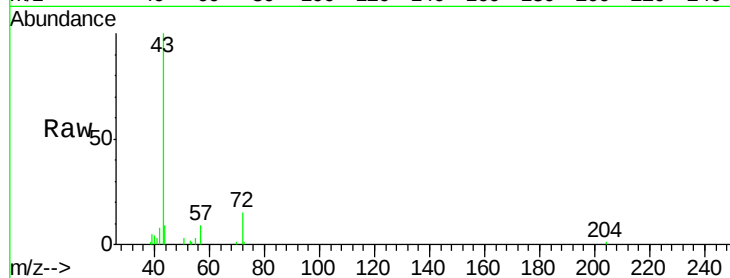
72 19.7 16.5 24.7

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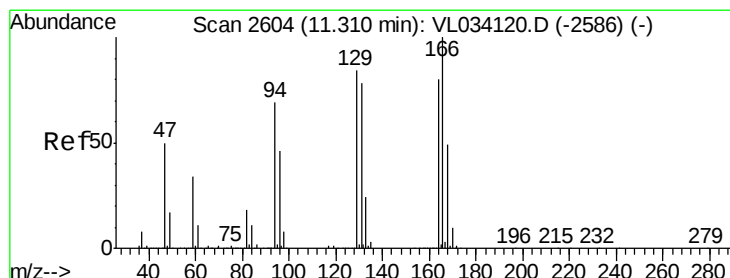
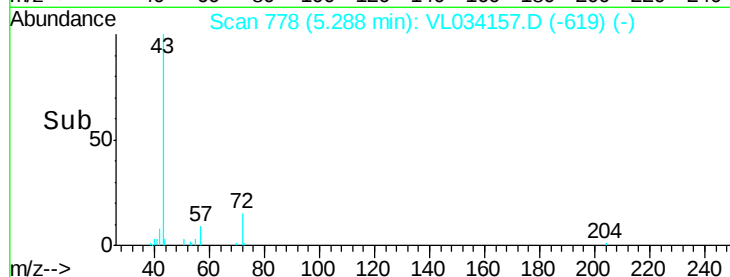
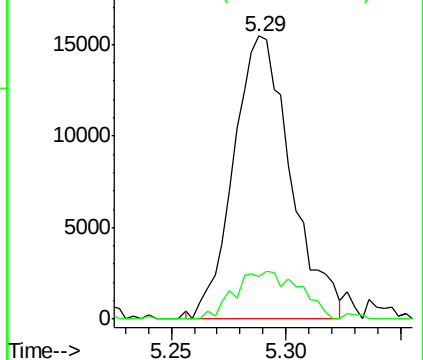
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#52

Tetrachloroethene

Concen: 0.116 ppbv m

RT: 11.31 min Scan# 2651

Delta R.T. 0.00 min

Lab File: VL034157.D

Acq: 11 Sep 2019 00:20

Tgt Ion:164 Resp: 5618

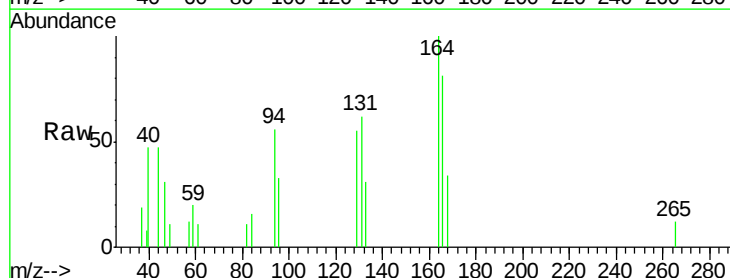
Ion Ratio Lower Upper

164 100

166 80.5 99.5 149.3#

129 54.6 83.6 125.4#

131 62.0 77.9 116.9#

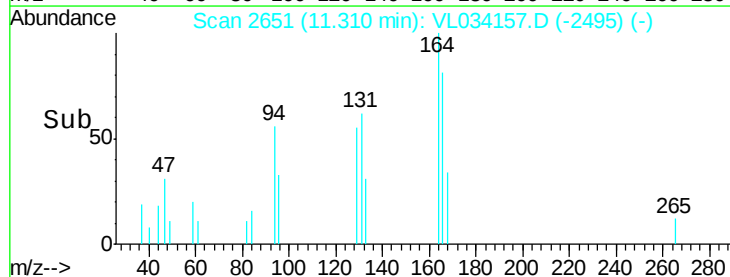
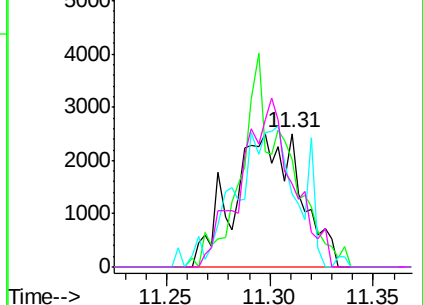


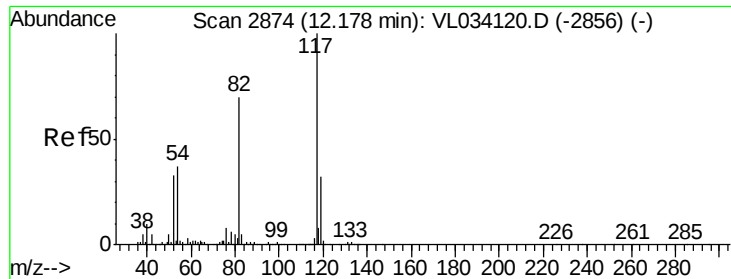
Abundance Ion 163.90 (163.60 to 164.60): V

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





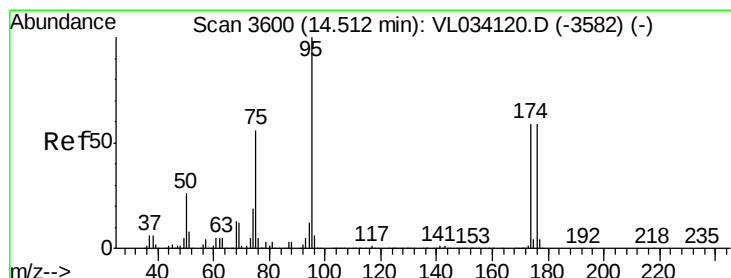
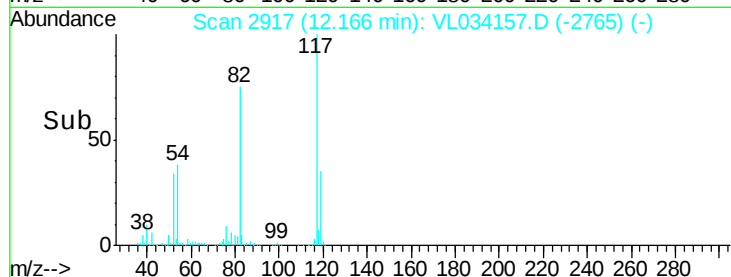
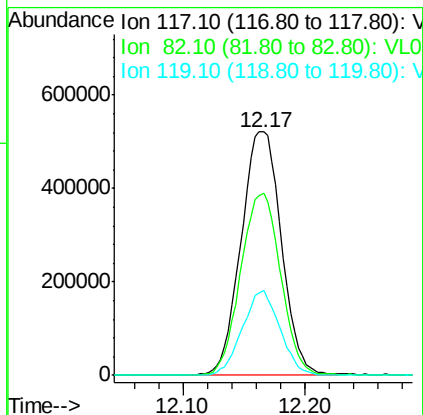
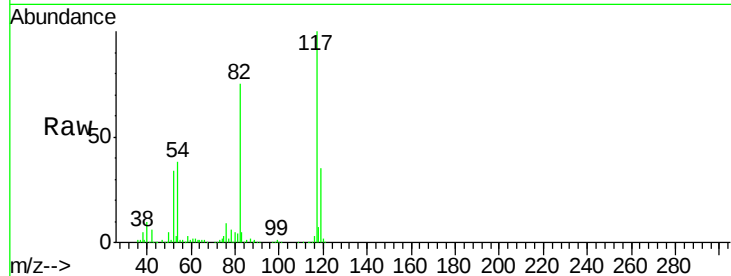
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.7	55.8	83.6
119	32.6	43.1	64.7#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.425 ppbv
RT: 14.50 min Scan# 3643
Delta R.T. -0.01 min
Lab File: VL034157.D
Acq: 11 Sep 2019 00:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	60.1	48.1	72.1
175	4.4	3.5	5.3

