

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033910.D
 Acq On : 13 Jun 2019 23:26
 Operator : SY/AP
 Sample : K3357-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612DL

Manual Integrations
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 6/17/2019 12:37:16 AM

Quant Time: Jun 14 07:36:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	993591	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2342949	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2343020	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1826972	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	13696m	0.313	ppbv	
13) Ethanol	3.65	45	15665	1.100	ppbv	91
15) Acetone	3.89	43	2706380	18.676	ppbv	96
17) tert-Butyl alcohol	4.36	59	76343	0.674	ppbv	96
19) Isopropyl Alcohol	4.02	45	81365	0.983	ppbv #	94
27) Carbon Disulfide	4.61	76	12126	0.087	ppbv #	1
34) 2-Butanone	5.32	43	149073	1.128	ppbv	100
52) Tetrachloroethene	11.36	164	4429m	0.070	ppbv	
53) Toluene	9.93	91	14659m	0.074	ppbv	

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

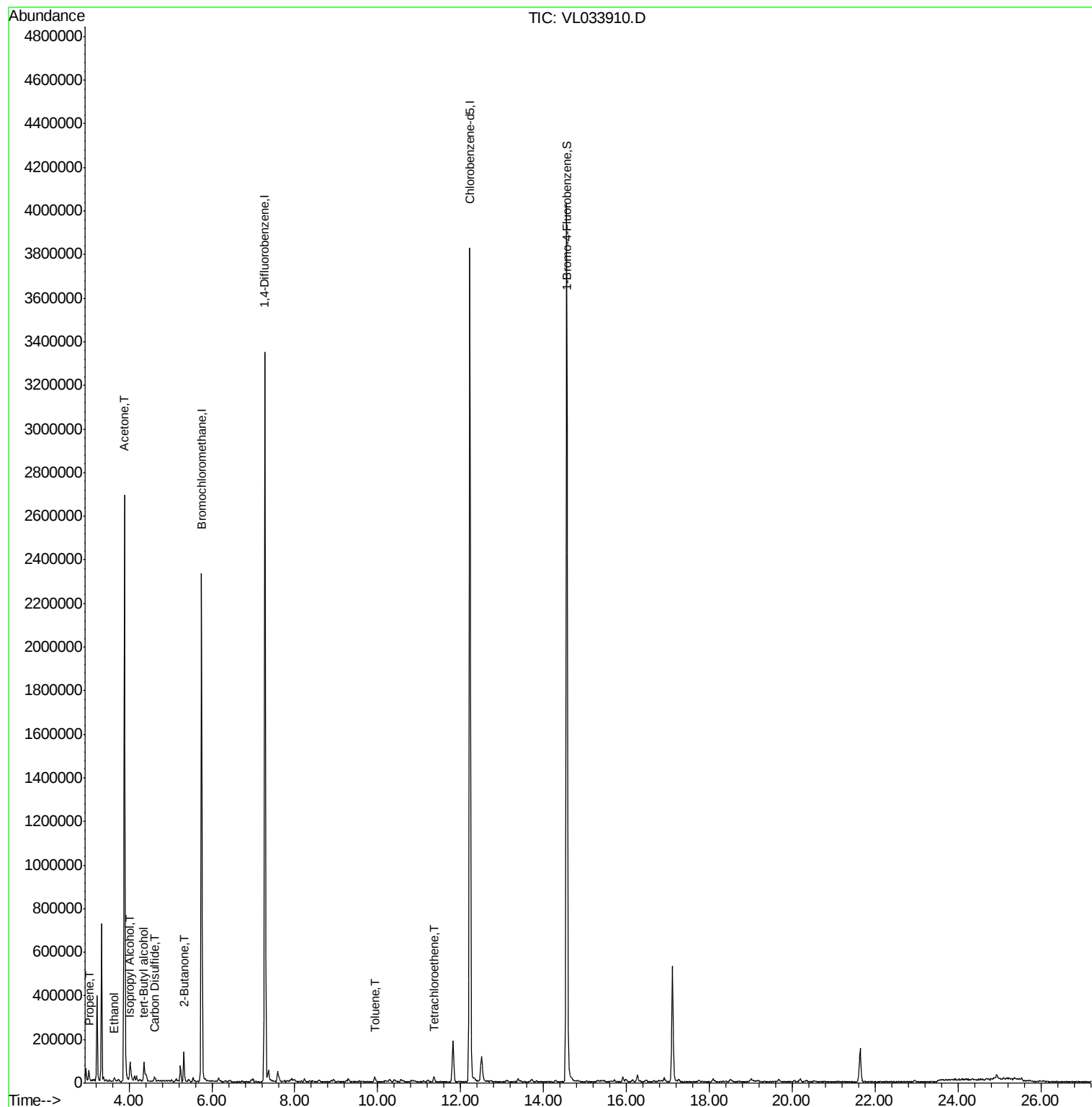
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033910.D
Acq On : 13 Jun 2019 23:26
Operator : SY/AP
Sample : K3357-02DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

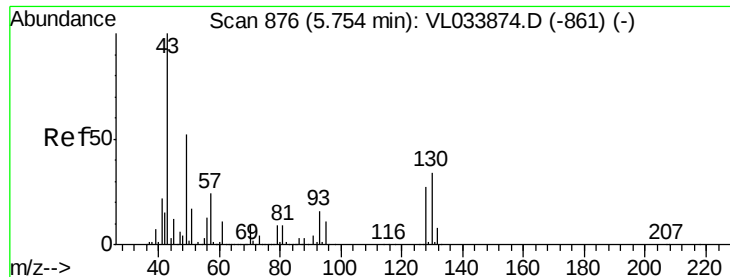
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

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Quant Time: Jun 14 07:36:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

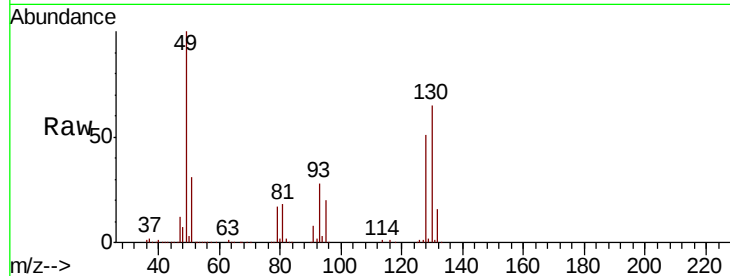
ClientSampleId :

SG-3R-20190612DL

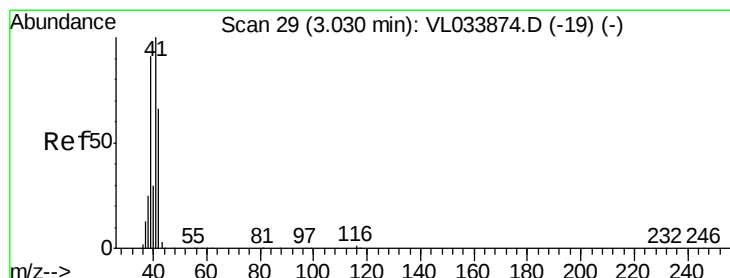
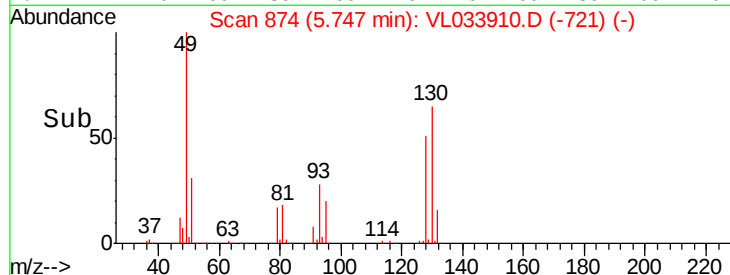
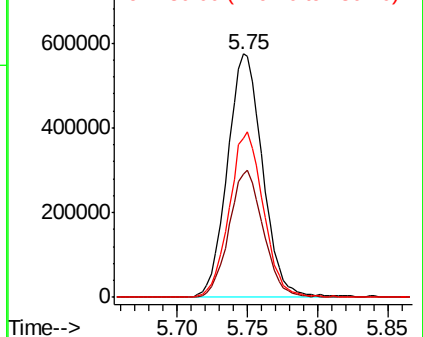
Tot Ion:	49	Resp:	993591
Ion	Ratio	Lower	Upper
49	100		
128	51.7	25.5	76.5
130	67.1	32.5	97.4

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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



#9

Propene

Concen: 0.313 ppbv m

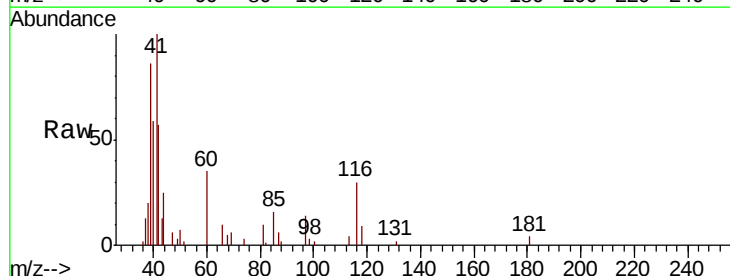
RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

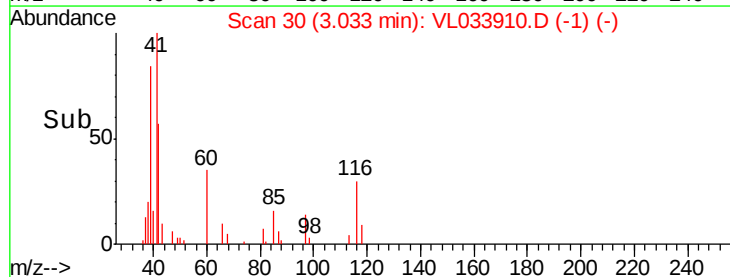
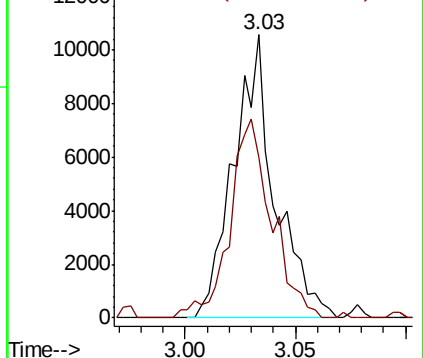
Lab File: VL033910.D

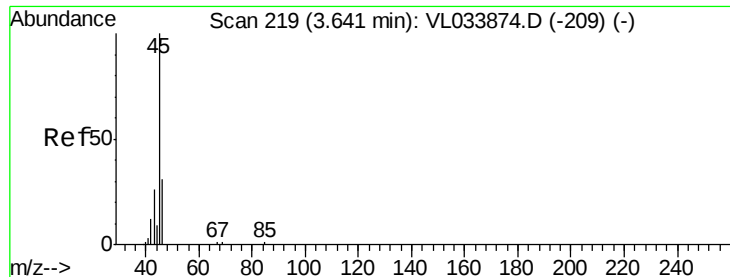
Acq: 13 Jun 2019 23:26

Tgt Ion:	41	Resp:	13696
Ion	Ratio	Lower	Upper
41	100		
42	70.7	56.3	84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





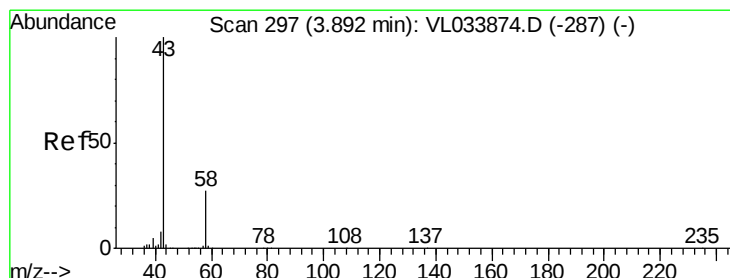
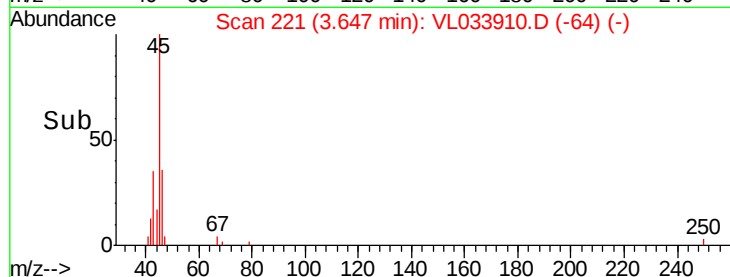
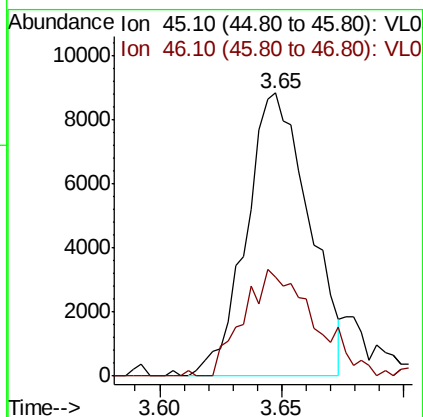
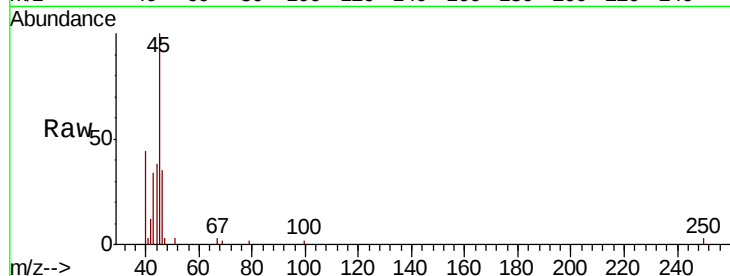
#13
Ethanol
Concen: 1.100 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion: 45 Resp: 15665
Ion Ratio Lower Upper
45 100
46 43.5 15.3 61.1

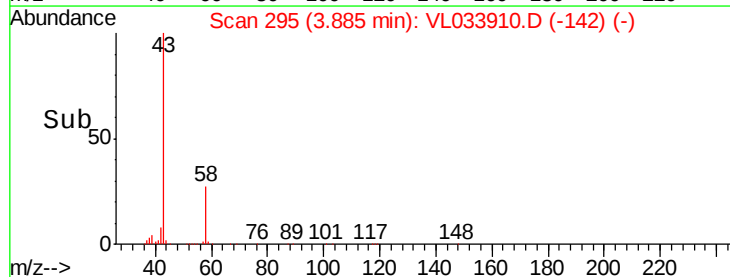
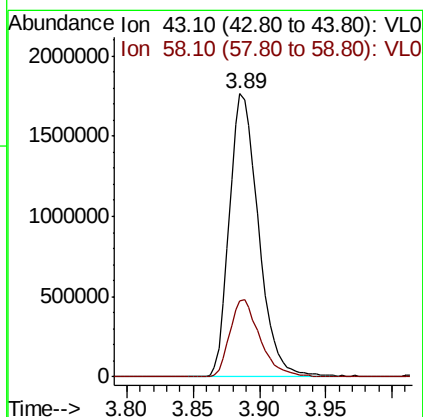
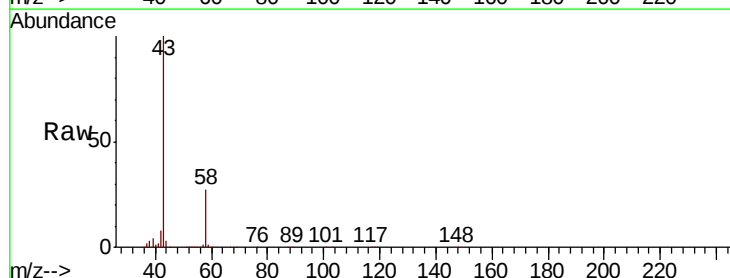
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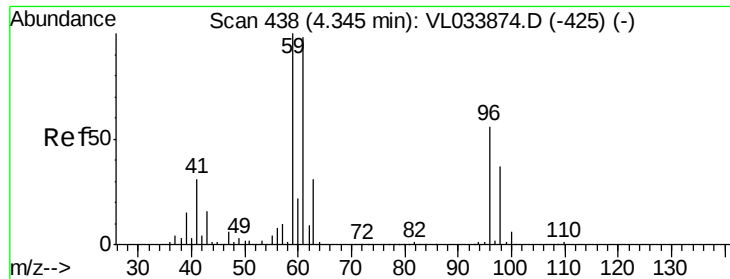
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#15
Acetone
Concen: 18.676 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

Tgt Ion: 43 Resp: 2706380
Ion Ratio Lower Upper
43 100
58 28.4 21.3 31.9





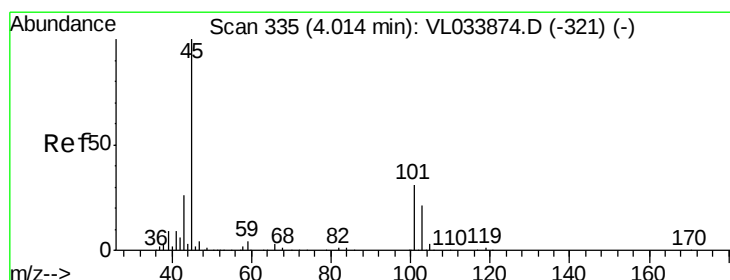
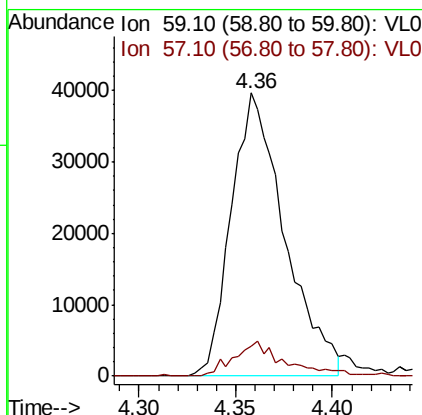
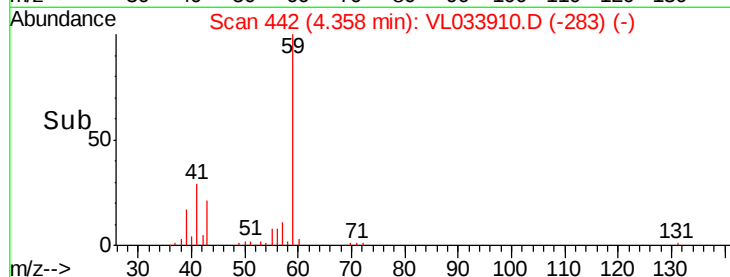
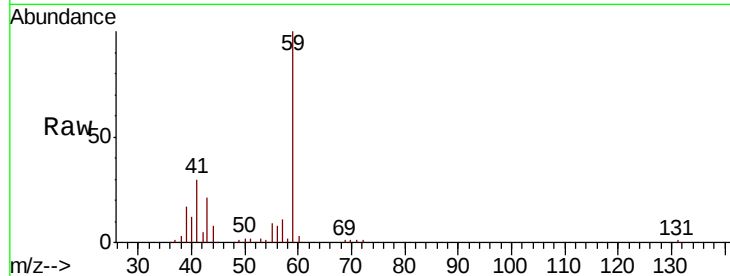
#17
tert-Butyl alcohol
Concen: 0.674 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion: 59 Resp: 76343
Ion Ratio Lower Upper
59 100
57 11.8 8.4 12.6

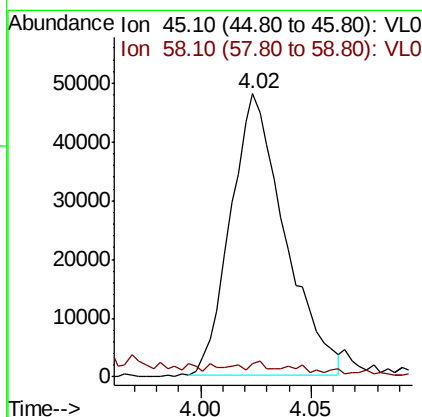
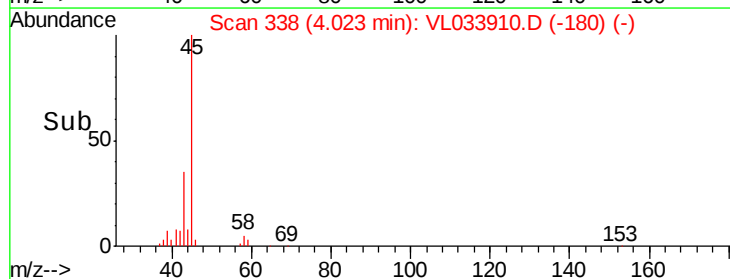
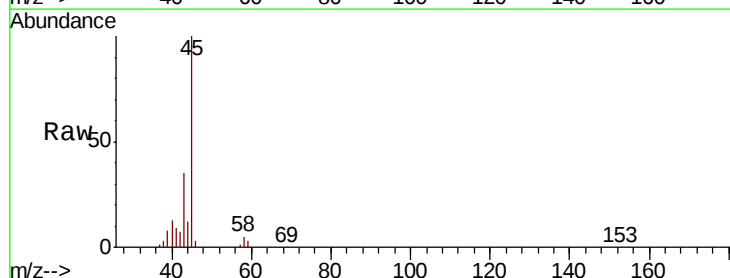
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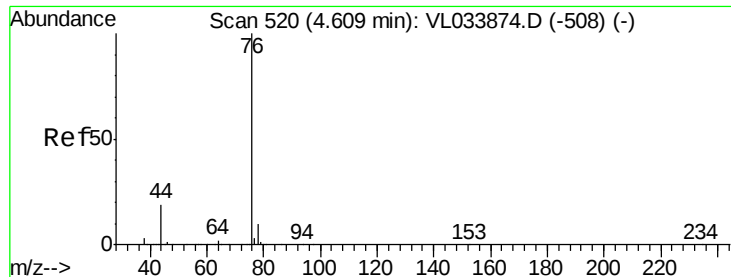
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#19
Isopropyl Alcohol
Concen: 0.983 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL033910.D
Acq: 13 Jun 2019 23:26

Tgt Ion: 45 Resp: 81365
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.6#





#27

Carbon Disulfide

Concen: 0.087 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

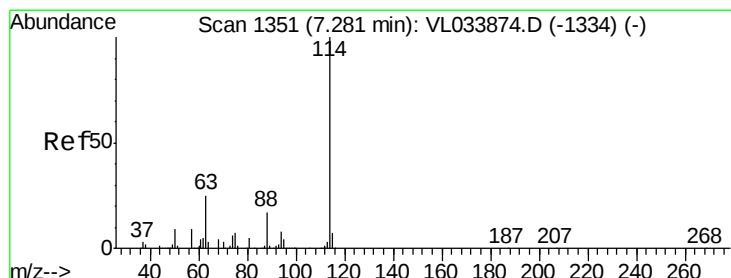
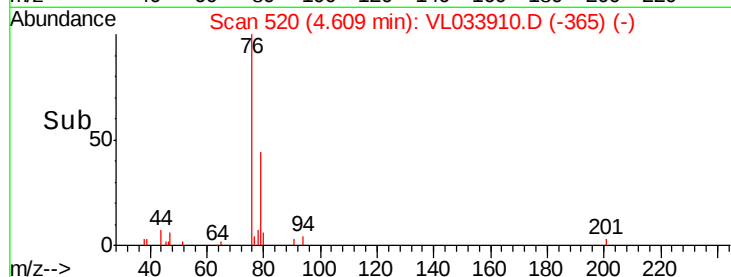
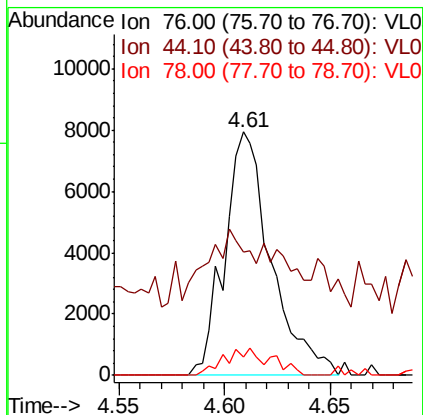
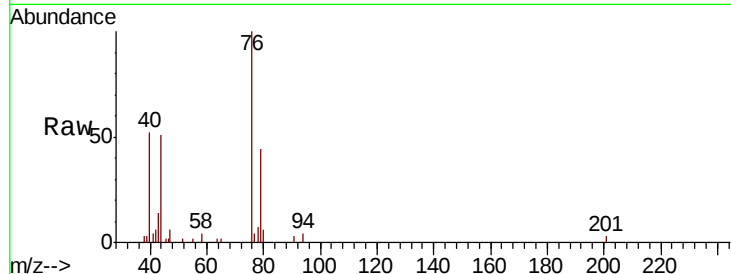
ClientSampleId :

SG-3R-20190612DL

Tot Ion:	76	Resp:	12126
Ion	Ratio	Lower	Upper
76	100		
44	91.9	14.4	21.6#
78	11.1	7.5	11.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

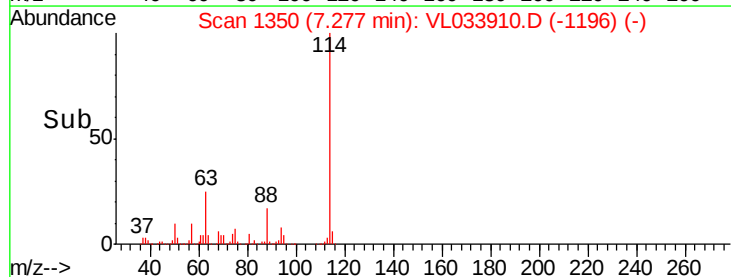
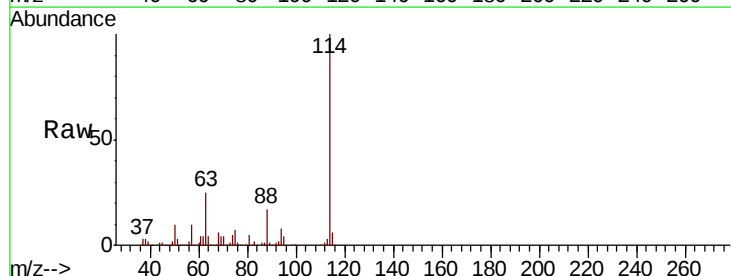
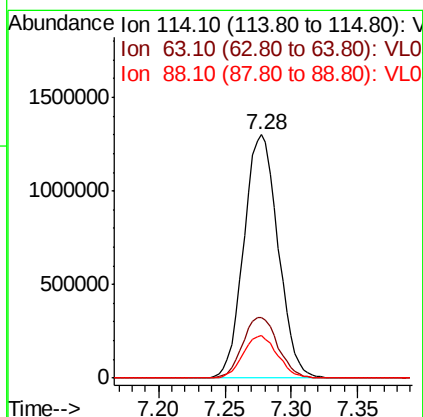
RT: 7.28 min Scan# 1350

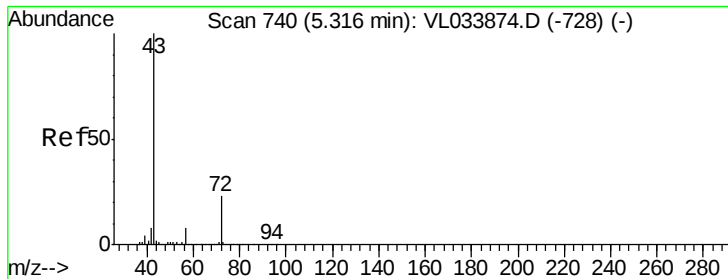
Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Tgt Ion:	114	Resp:	2342949
Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.1	31.7
88	17.5	14.2	21.4





#34

2-Butanone

Concen: 1.128 ppbv

RT: 5.32 min Scan# 742

Delta R.T. 0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612DL

Tot Ion: 43 Resp: 149073

Ion Ratio Lower Upper

43 100

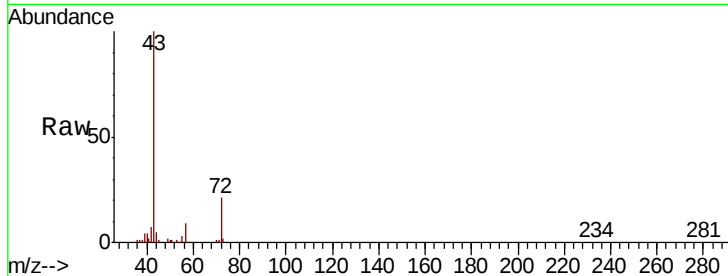
72 22.6 17.9 26.9

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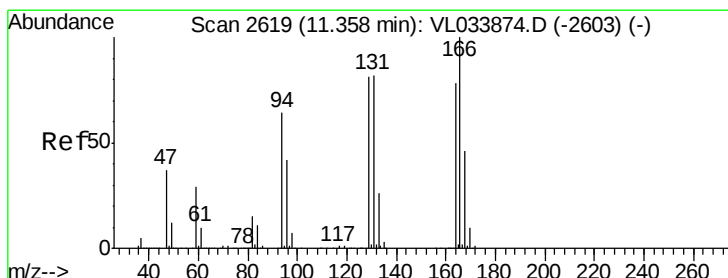
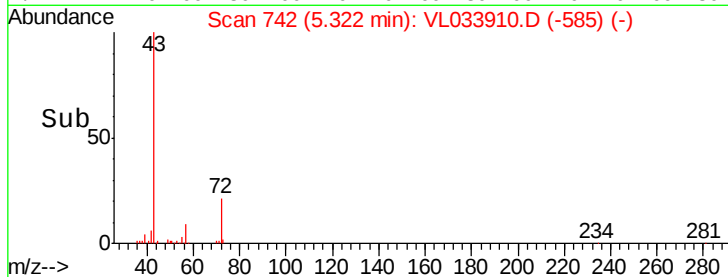
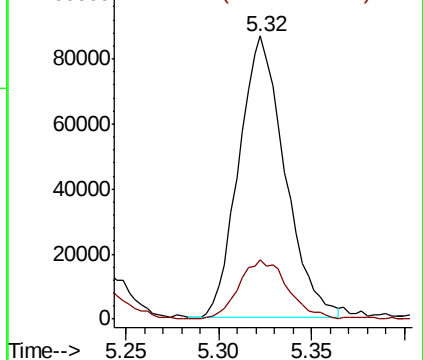
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#52

Tetrachloroethene

Concen: 0.070 ppbv m

RT: 11.36 min Scan# 2619

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Tgt Ion:164 Resp: 4429

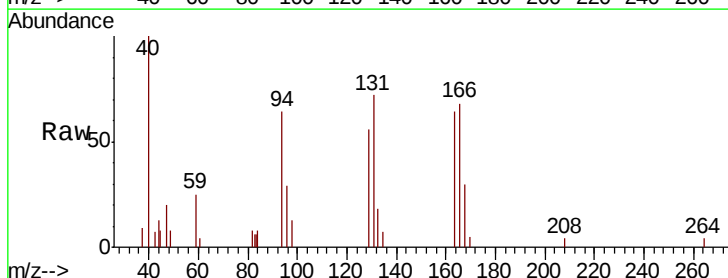
Ion Ratio Lower Upper

164 100

166 106.4 103.1 154.7

129 87.5 83.9 125.9

131 112.9 85.1 127.7

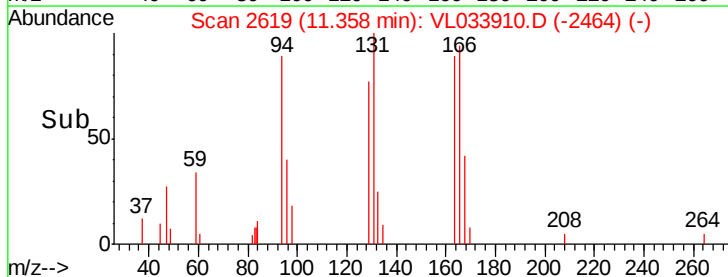
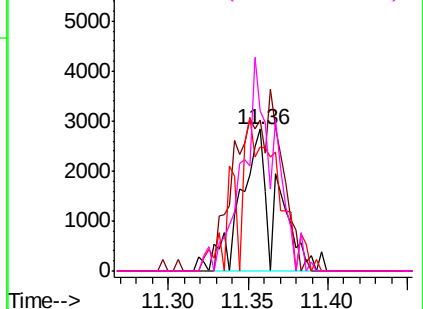


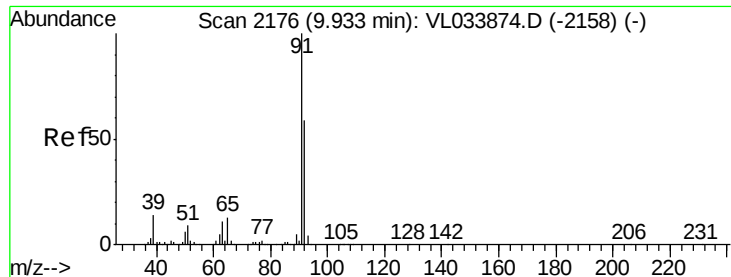
Abundance Ion 163.90 (163.60 to 164.60): V

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





#53

Toluene

Concen: 0.074 ppbv m

RT: 9.93 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612DL

Tot Ion: 91 Resp: 14659

Ion Ratio Lower Upper

91 100

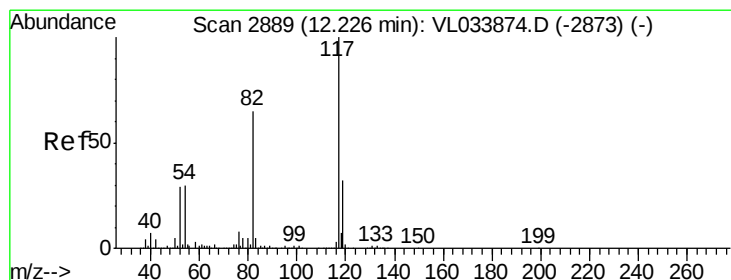
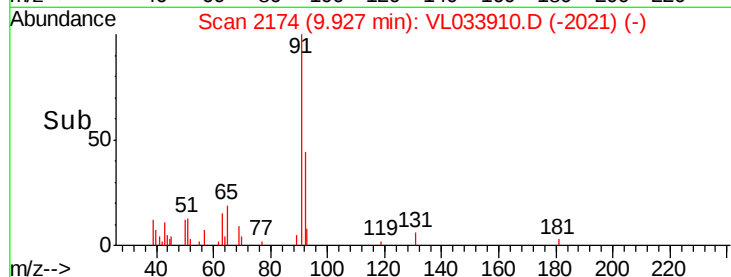
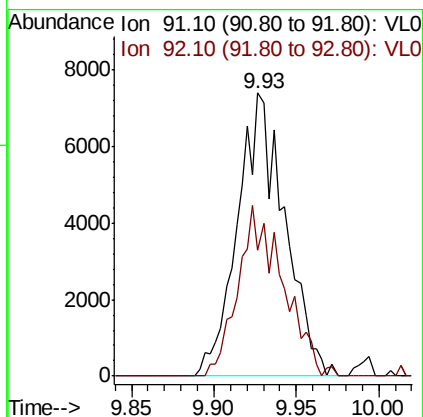
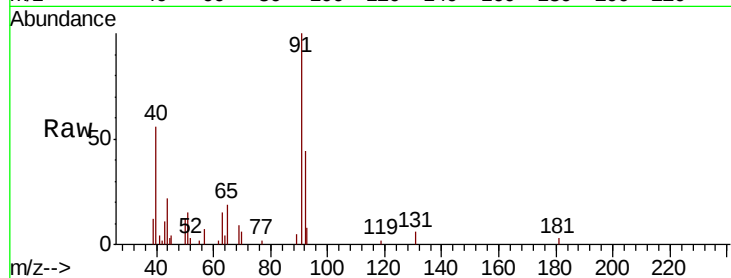
92 0.0 47.0 70.6#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL033910.D

Acq: 13 Jun 2019 23:26

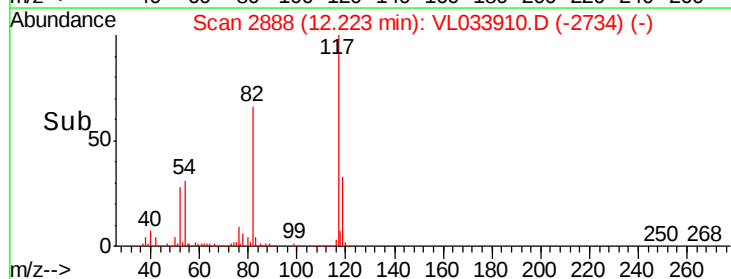
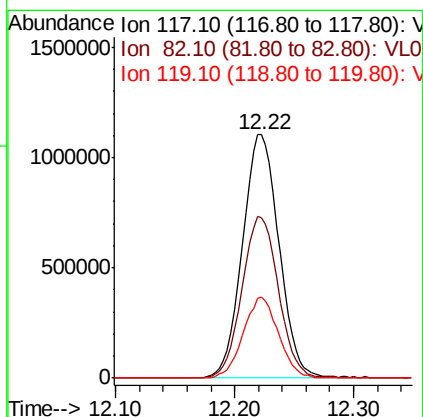
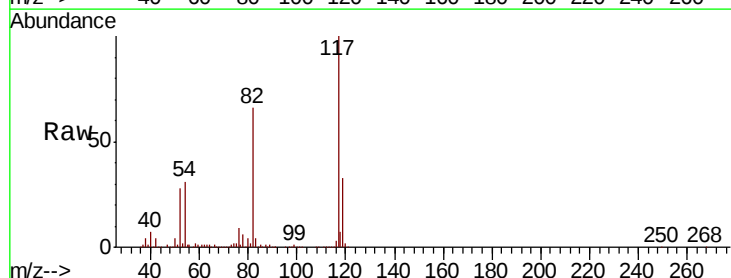
Tgt Ion: 117 Resp: 2343020

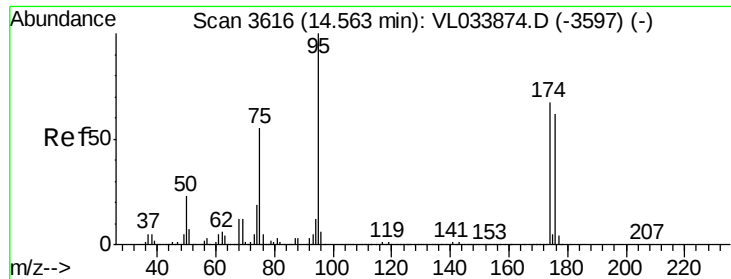
Ion Ratio Lower Upper

117 100

82 66.9 50.2 75.2

119 32.4 24.8 37.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.493 ppbv
 RT: 14.56 min Scan# 3614
 Delta R.T. -0.01 min
 Lab File: VL033910.D
 Acq: 13 Jun 2019 23:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612DL

Tot Ion: 95 Resp: 1826972
 Ion Ratio Lower Upper
 95 100
 174 67.0 54.0 81.0
 175 4.8 3.8 5.8

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