

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032897.D
 Acq On : 5 Dec 2018 4:35
 Operator : SY/AP
 Sample : J6177-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSV-4DL

Manual Integrations
 APPROVED

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 12/10/2018 1:01:47 PM

Quant Time: Dec 05 16:10:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 16:10:47 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1435767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3485127	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3624107	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2628981	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	29834	0.262	ppbv	93
9) Propene	3.04	41	53462	1.174	ppbv	98
13) Ethanol	3.66	45	161581	10.830	ppbv	98
15) Acetone	3.91	43	237362	1.810	ppbv #	70
27) Carbon Disulfide	4.62	76	47421	0.275	ppbv #	76
34) 2-Butanone	5.34	43	630139	3.486	ppbv	100
59) m/p-Xylene	13.13	91	105259m	0.271	ppbv	

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

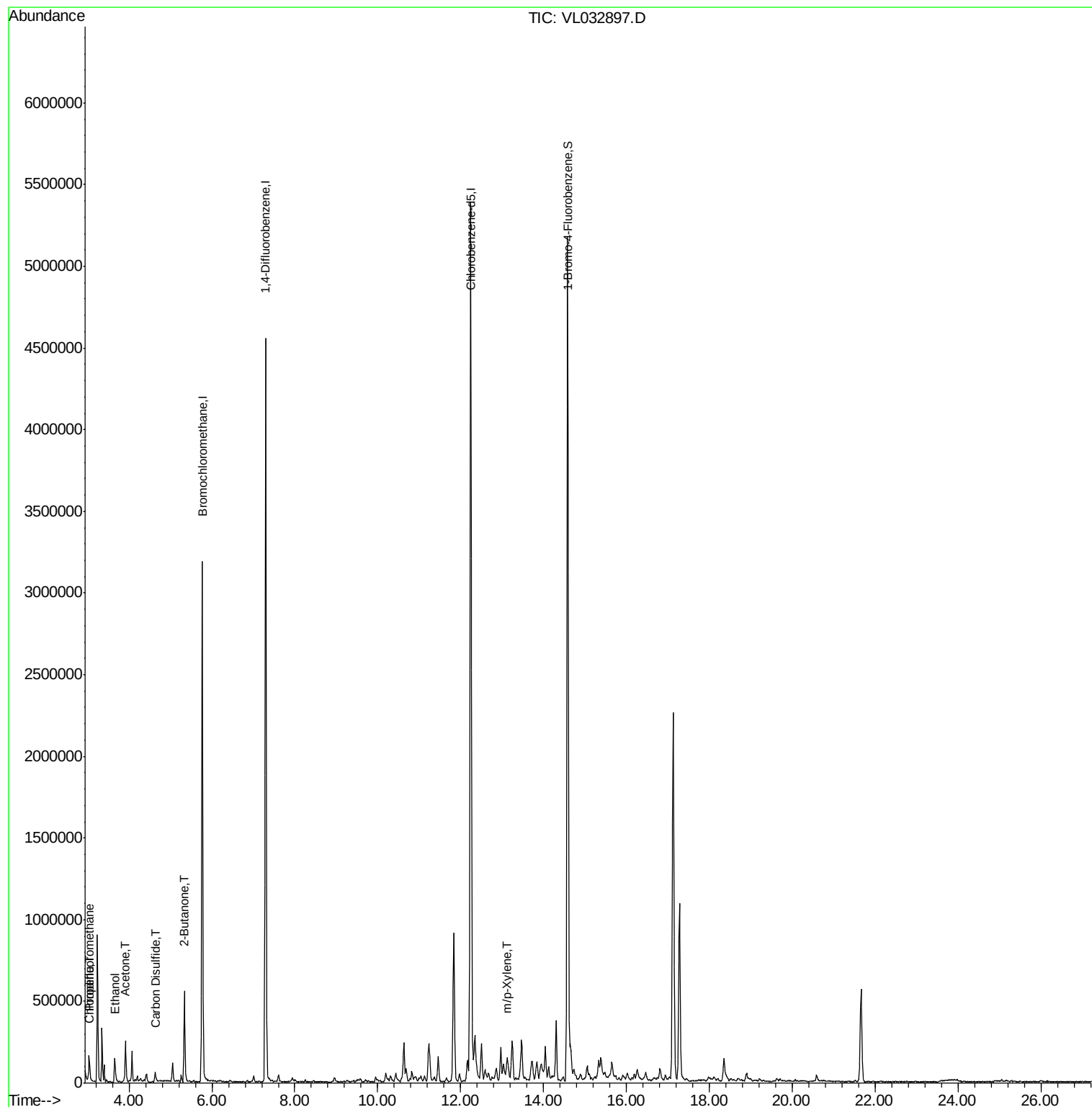
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120418\
Data File : VL032897.D
Acq On : 5 Dec 2018 4:35
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Misc : 400ml/MSVOA L
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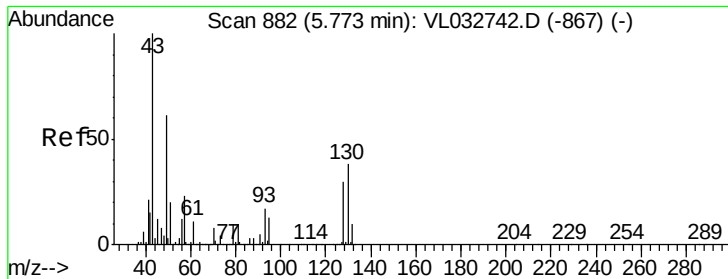
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032897.D

Acq: 5 Dec 2018 4:35

Instrument :

MSVOA_L

ClientSampleId :

VSV-4DL

Tot Ion: 49 Resp: 1435767

Ion Ratio Lower Upper

49 100

128 52.9 24.9 74.6

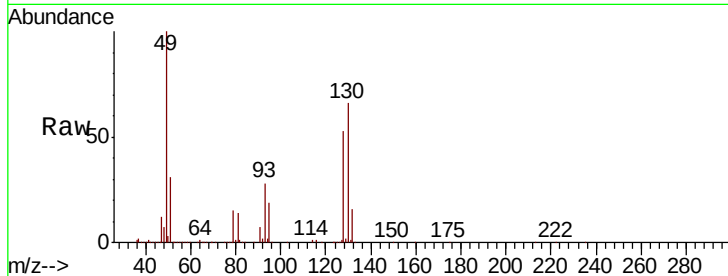
130 66.3 31.4 94.2

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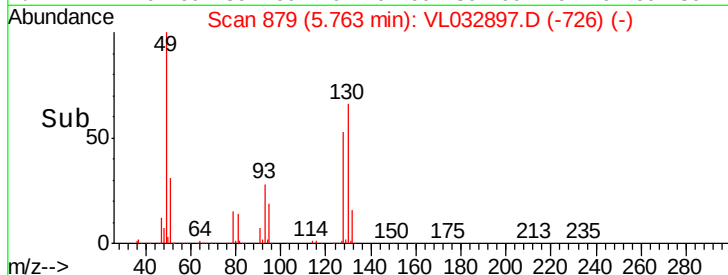


Abundance Ion 49.10 (48.80 to 49.80): VL0

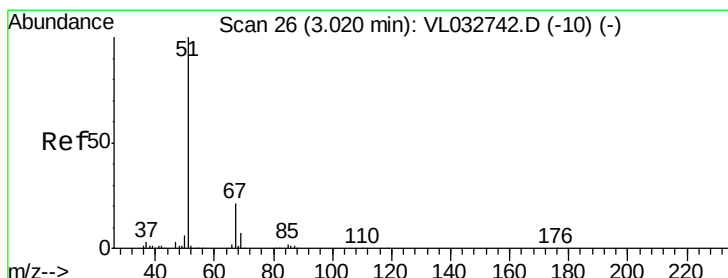
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.262 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032897.D

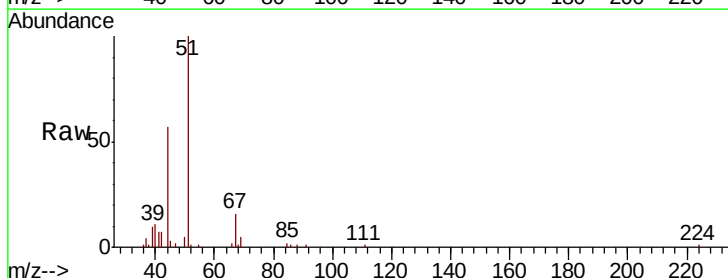
Acq: 5 Dec 2018 4:35

Tgt Ion: 51 Resp: 29834

Ion Ratio Lower Upper

51 100

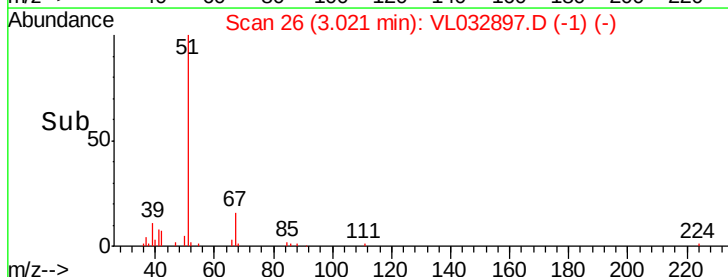
67 16.9 16.1 24.1



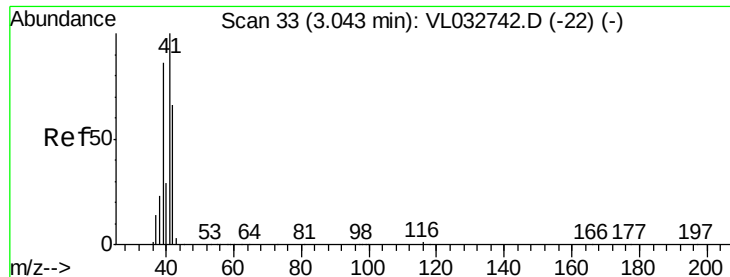
Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->



Time-->



#9

Propene

Concen: 1.174 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032897.D

Acq: 5 Dec 2018 4:35

Instrument :

MSVOA_L

ClientSampleId :

VSV-4DL

Tot Ion: 41 Resp: 53462

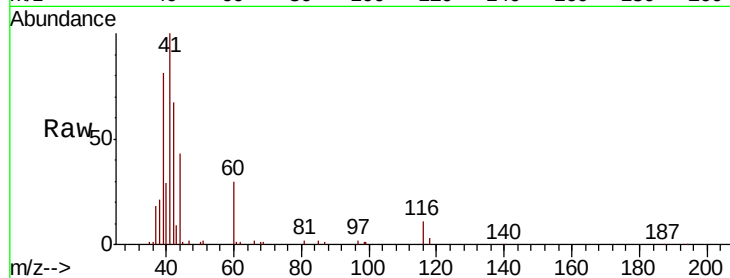
Ion Ratio Lower Upper

41 100

42 67.5 55.0 82.6

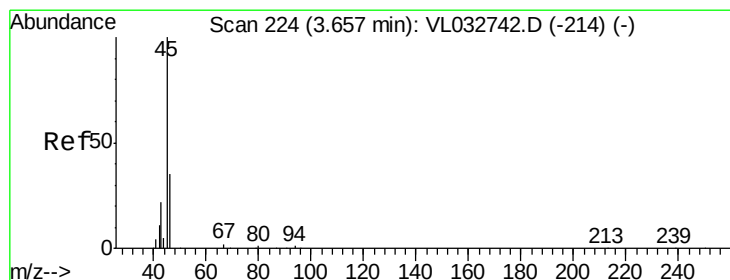
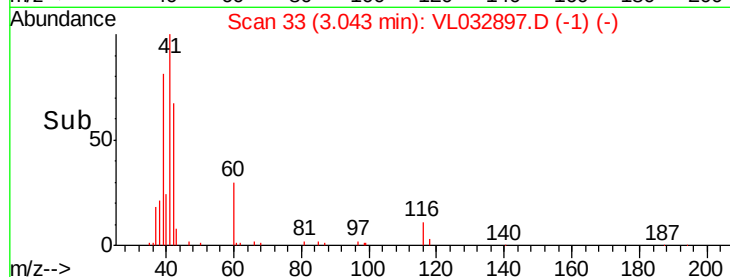
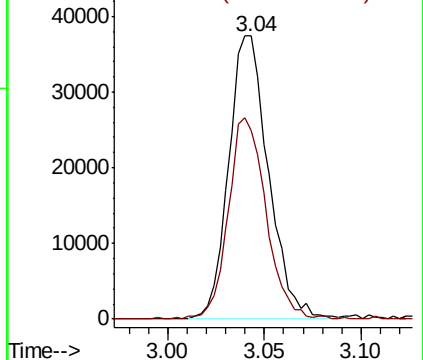
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 10.830 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032897.D

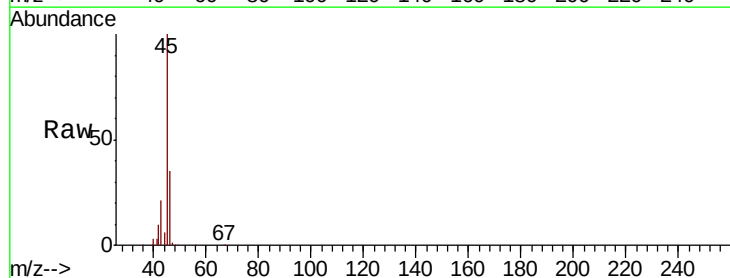
Acq: 5 Dec 2018 4:35

Tgt Ion: 45 Resp: 161581

Ion Ratio Lower Upper

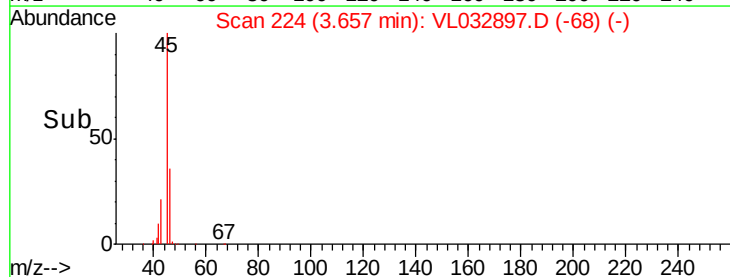
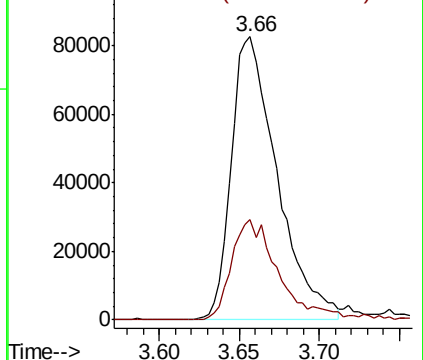
45 100

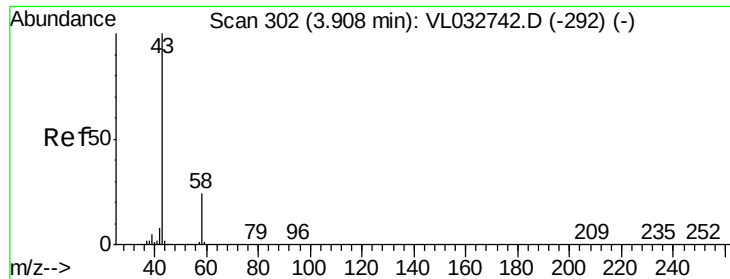
46 37.2 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





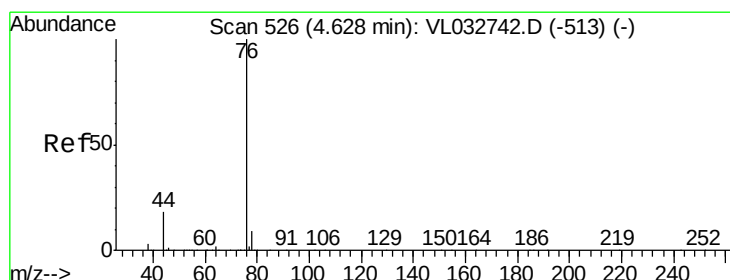
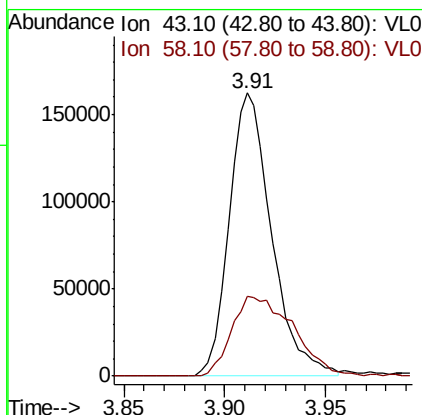
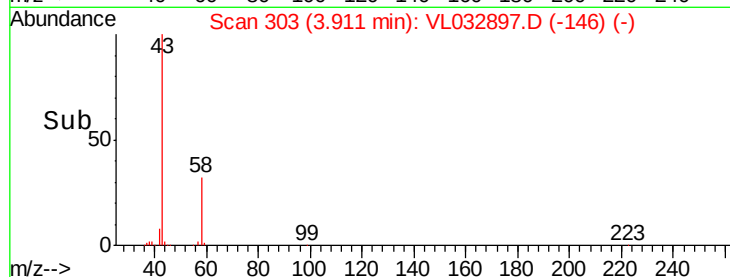
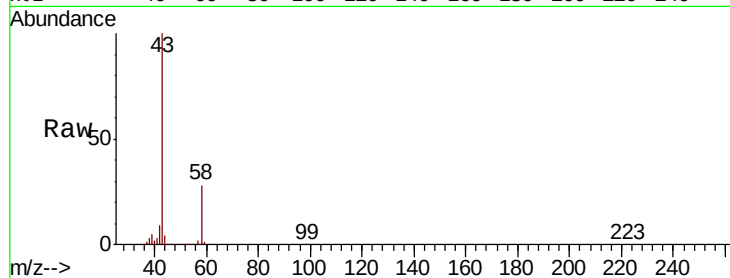
#15
Acetone
Concen: 1.810 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032897.D
Acq: 5 Dec 2018 4:35

Instrument :
MSVOA_L
ClientSampleId :
VSV-4DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	21.1	31.7#

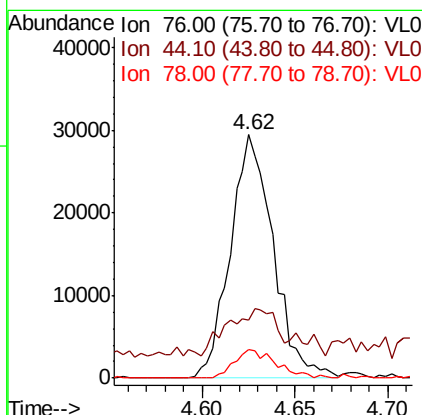
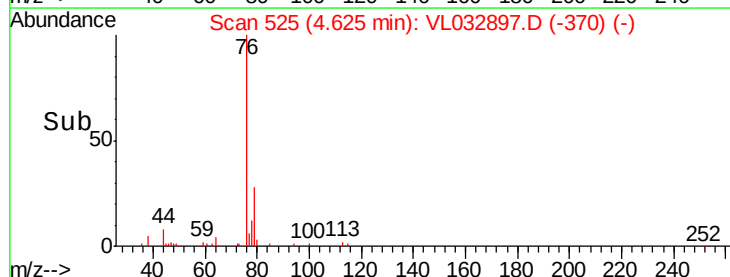
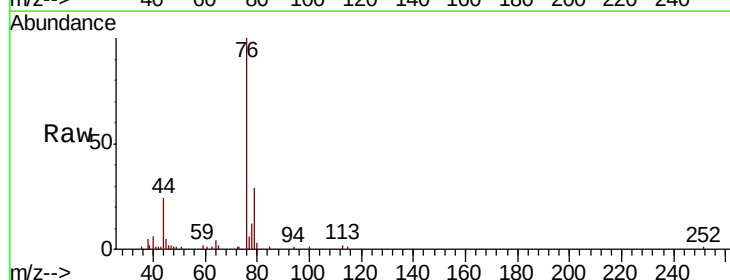
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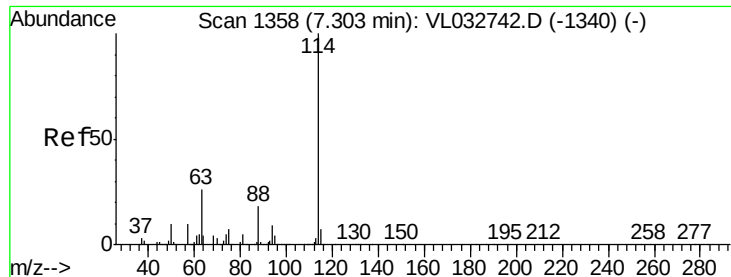
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#27
Carbon Disulfide
Concen: 0.275 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032897.D
Acq: 5 Dec 2018 4:35

Tgt Ion	Ratio	Lower	Upper
76	100		
44	33.2	14.4	21.6#
78	11.4	7.7	11.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032897.D

Acq: 5 Dec 2018 4:35

Instrument :

MSVOA_L

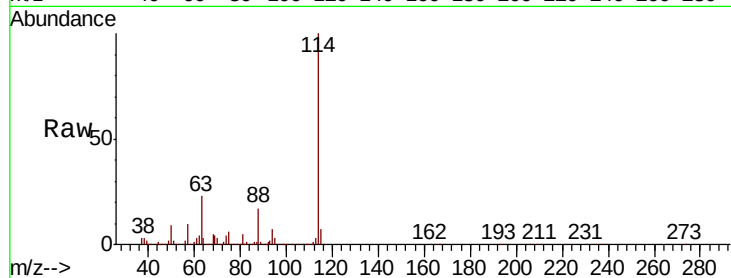
ClientSampleId :

VSV-4DL

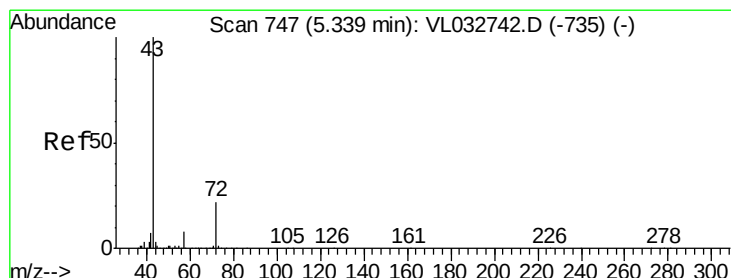
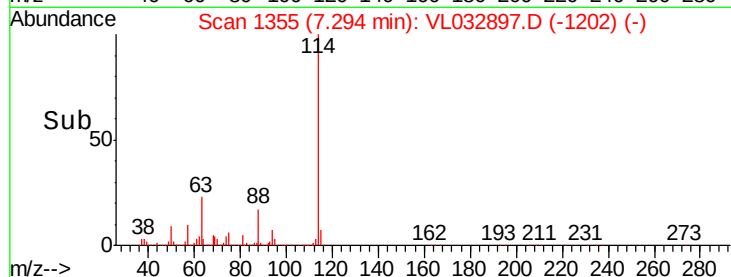
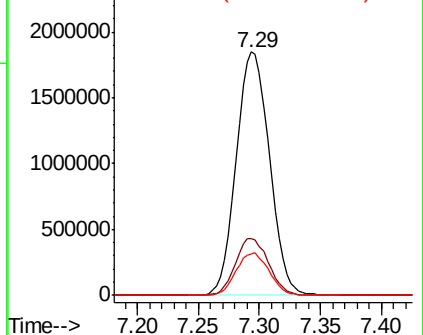
Tot Ion:	114	Resp:	3485127
Ion	Ratio	Lower	Upper
114	100		
63	23.5	20.9	31.3
88	17.4	14.4	21.6

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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: 3.486 ppbv

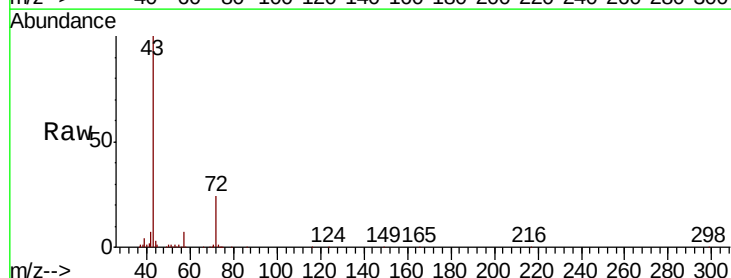
RT: 5.34 min Scan# 746

Delta R.T. -0.00 min

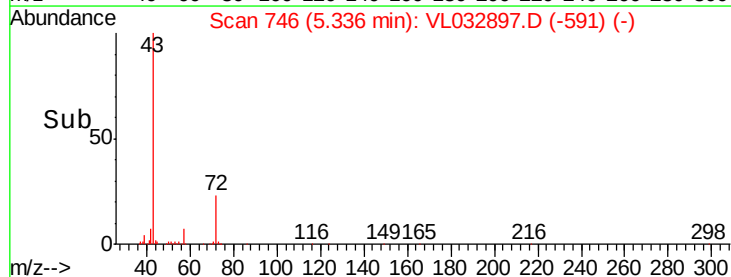
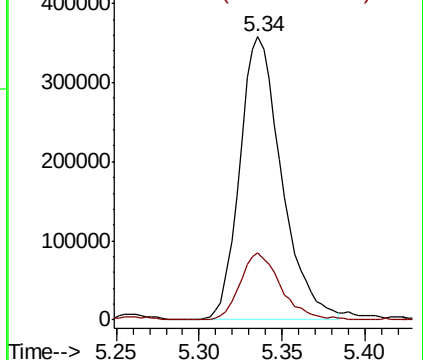
Lab File: VL032897.D

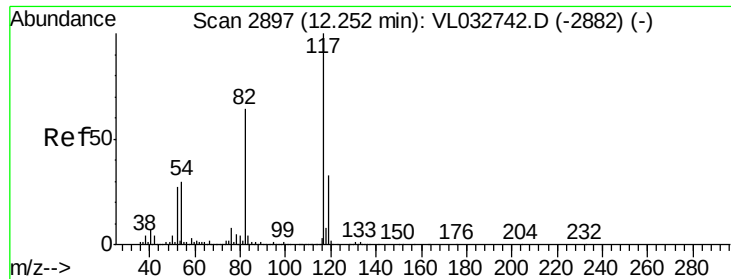
Acq: 5 Dec 2018 4:35

Tgt Ion:	43	Resp:	630139
Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6



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





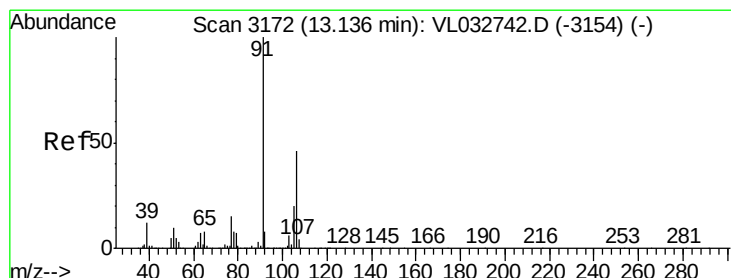
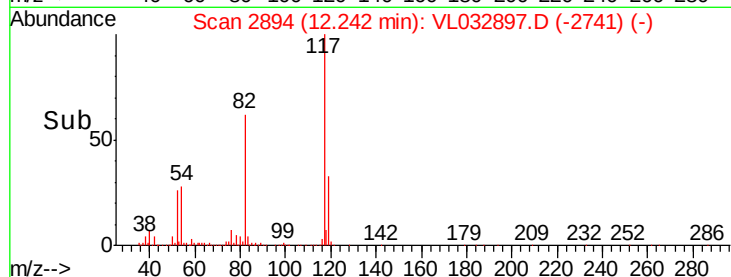
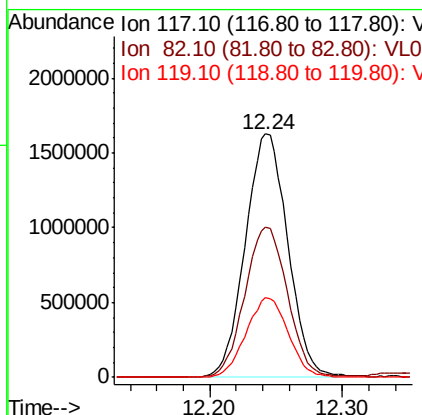
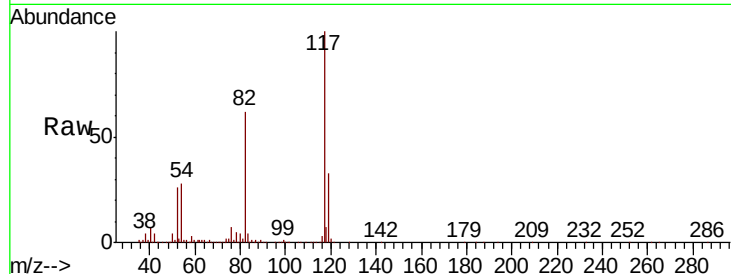
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032897.D
Acq: 5 Dec 2018 4:35

Instrument :
MSVOA_L
ClientSampleId :
VSV-4DL

Tot Ion:117 Resp: 3624107
Ion Ratio Lower Upper
117 100
82 62.0 51.0 76.6
119 32.6 28.0 42.0

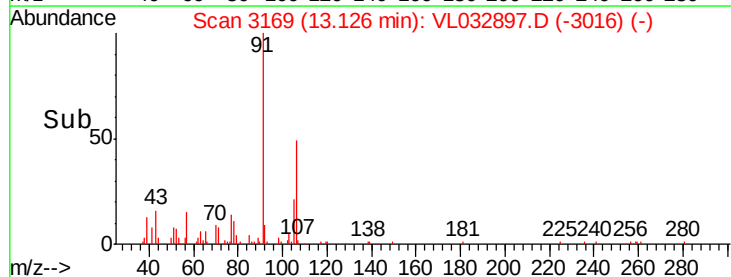
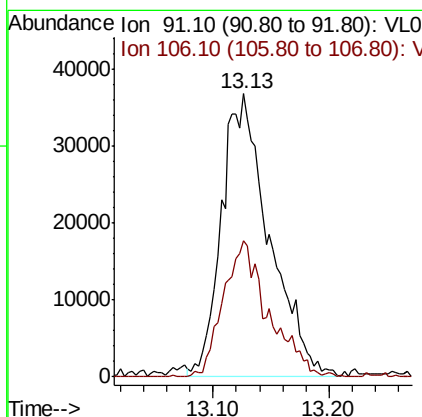
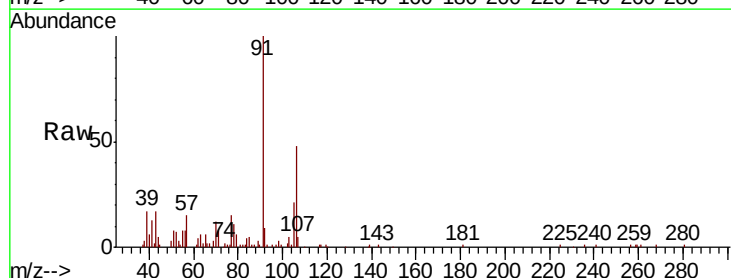
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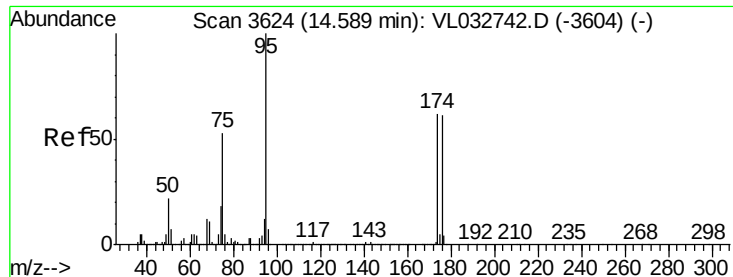
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#59
m/p-Xylene
Concen: 0.271 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032897.D
Acq: 5 Dec 2018 4:35

Tgt Ion: 91 Resp: 105259
Ion Ratio Lower Upper
91 100
106 45.5 36.1 54.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.699 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032897.D

Acq: 5 Dec 2018 4:35

Instrument :

MSVOA_L

ClientSampleId :

VSV-4DL

Tot Ion: 95 Resp: 2628981

Ion Ratio Lower Upper

95 100

174 65.7 50.7 76.1

175 4.9 3.8 5.6

Manual Integrations

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