

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032887.D
 Acq On : 4 Dec 2018 22:01
 Operator : SY/AP
 Sample : J6175-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-DUPDL

Manual Integrations
 APPROVED

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 12/10/2018 1:00:48 PM

Quant Time: Dec 05 15:30:16 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 07:00:23 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	5.77	49	1472524	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3678973	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3697705	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2606896	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	277662	2.378	ppbv	94
9) Propene	3.04	41	82702	1.770	ppbv	96
11) Trichlorofluoromethane	4.01	101	20806	0.104	ppbv	84
13) Ethanol	3.66	45	30964m	2.024	ppbv	
15) Acetone	3.91	43	239537	1.781	ppbv #	82
20) Methylene Chloride	4.42	84	381336	5.478	ppbv	98
34) 2-Butanone	5.33	43	768653	4.028	ppbv	98
41) Tetrahydrofuran	6.17	42	119019	1.087	ppbv	97

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

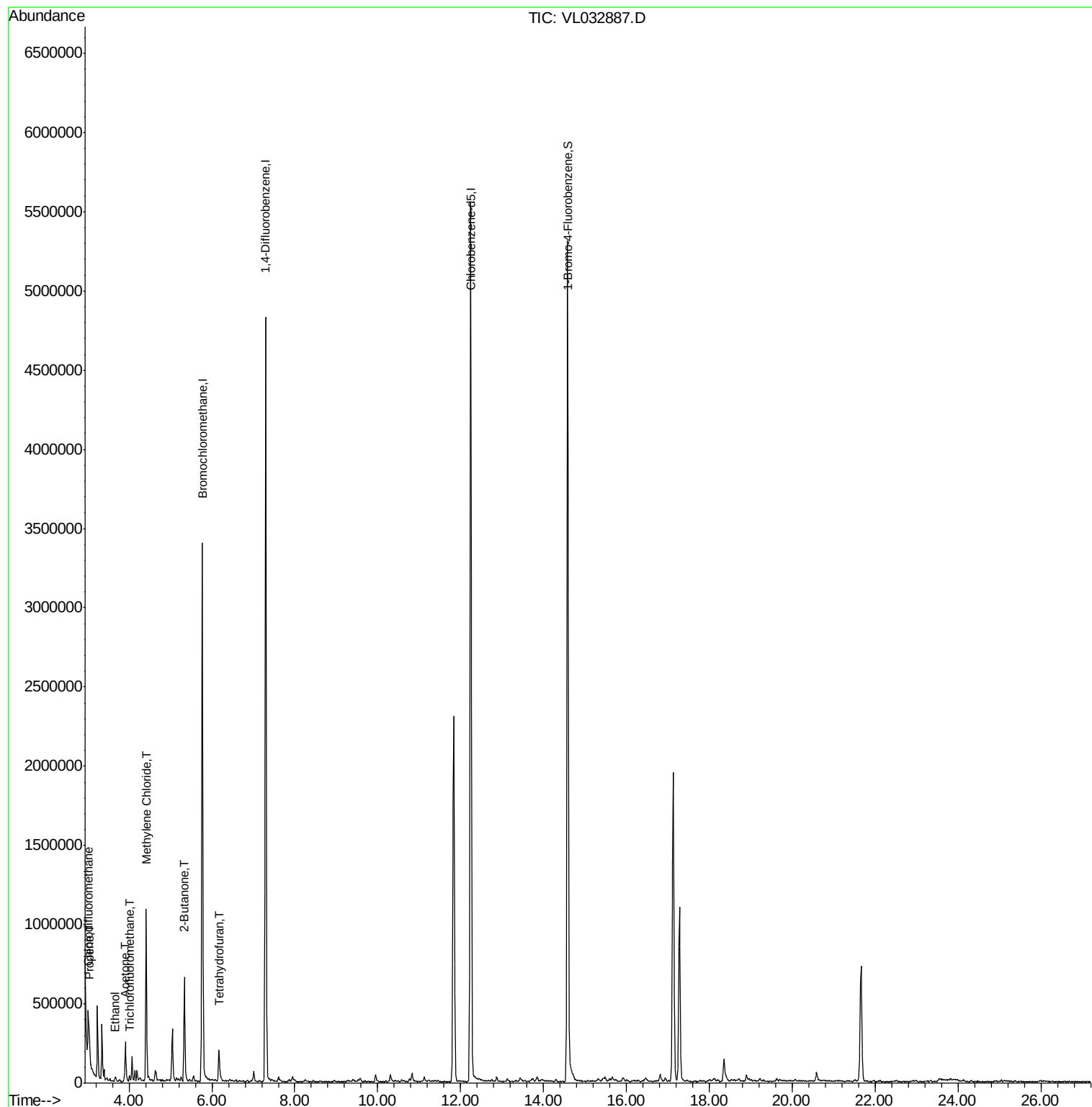
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Data File : VL032887.D
Acq On : 4 Dec 2018 22:01
Operator : SY/AP
Sample : J6175-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

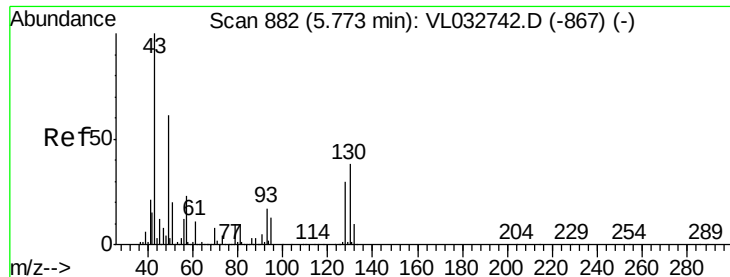
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Dec 05 15:30:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032887.D

Acq: 4 Dec 2018 22:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUPDL

Tot Ion: 49 Resp: 1472524

Ion Ratio Lower Upper

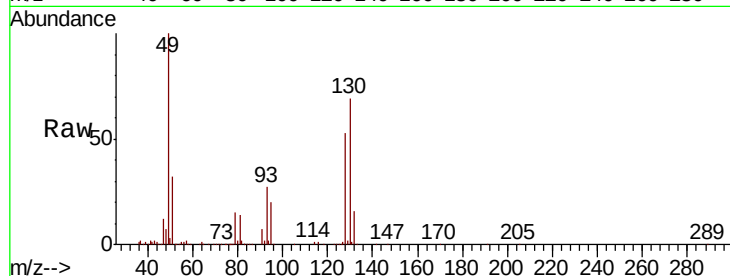
49 100

128 52.9 24.9 74.6

130 68.3 31.4 94.2

Manual Integrations
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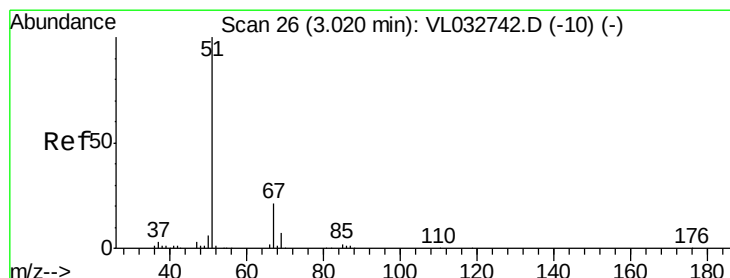
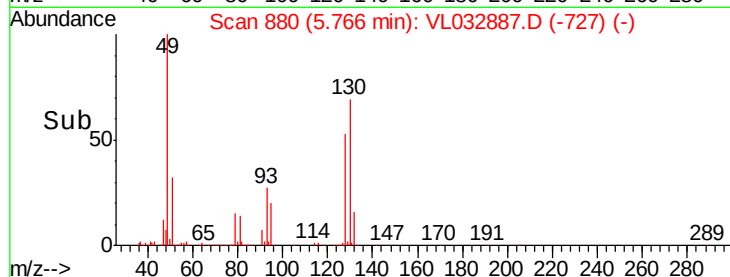
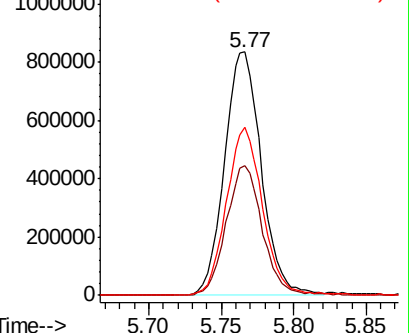
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 2.378 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032887.D

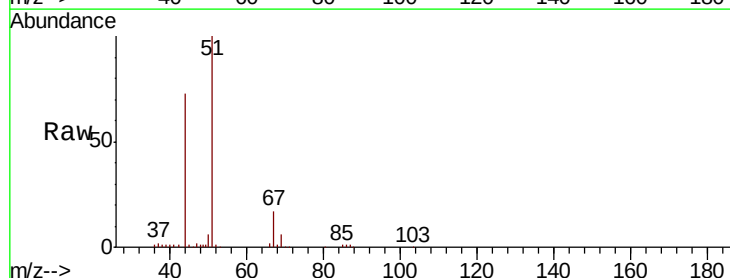
Acq: 4 Dec 2018 22:01

Tgt Ion: 51 Resp: 277662

Ion Ratio Lower Upper

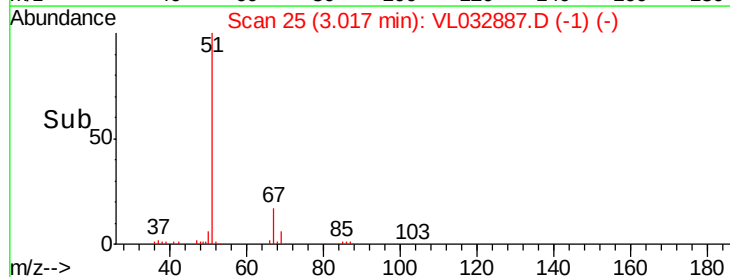
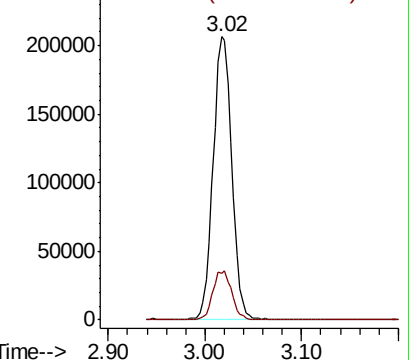
51 100

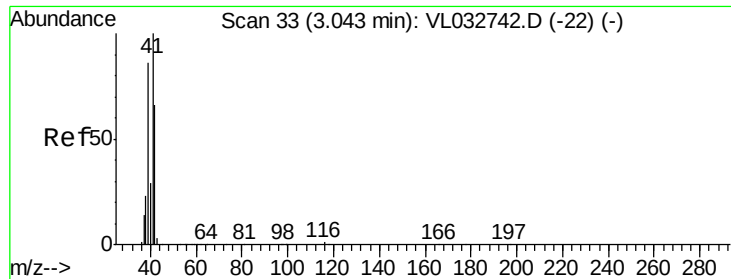
67 17.5 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 1.770 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032887.D

Acq: 4 Dec 2018 22:01

Instrument :

MSVOA_L

ClientSampleId :

MMSV-DUPDL

Tot Ion: 41 Resp: 82702

Ion Ratio Lower Upper

41 100

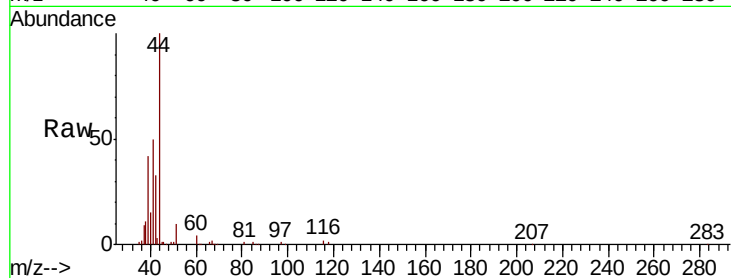
42 65.5 55.0 82.6

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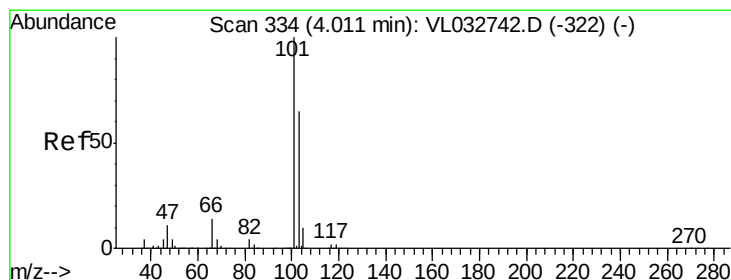
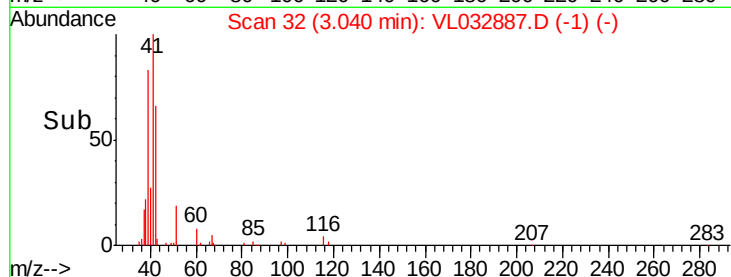
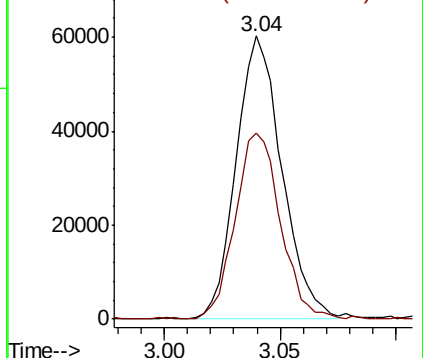
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.104 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL032887.D

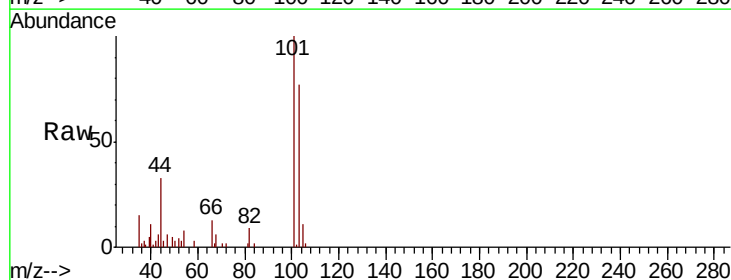
Acq: 4 Dec 2018 22:01

Tgt Ion: 101 Resp: 20806

Ion Ratio Lower Upper

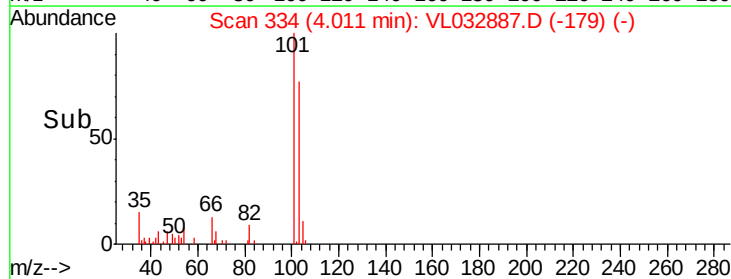
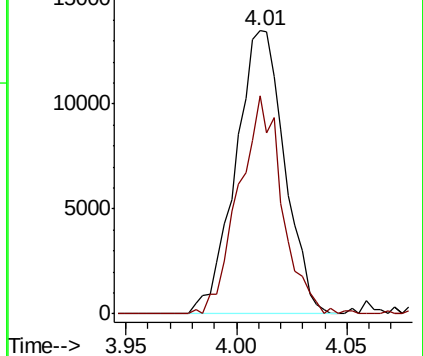
101 100

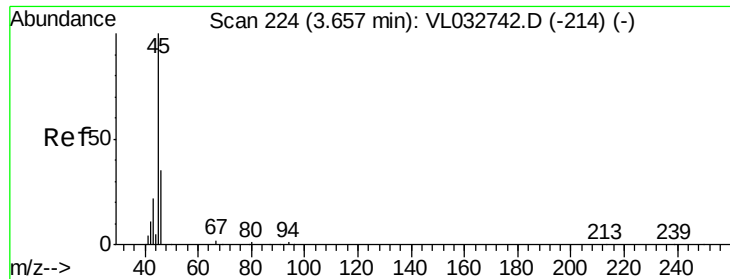
103 77.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





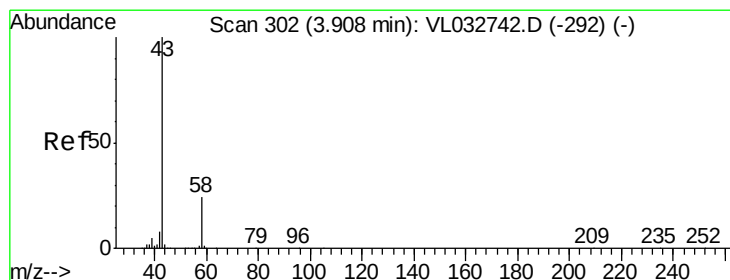
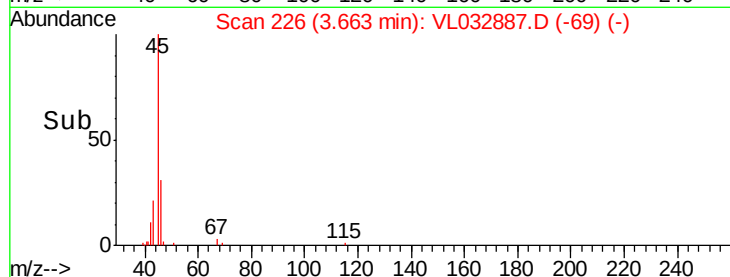
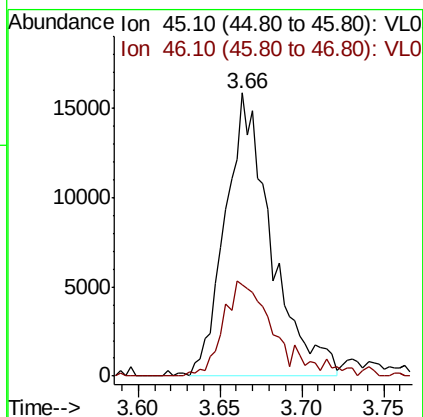
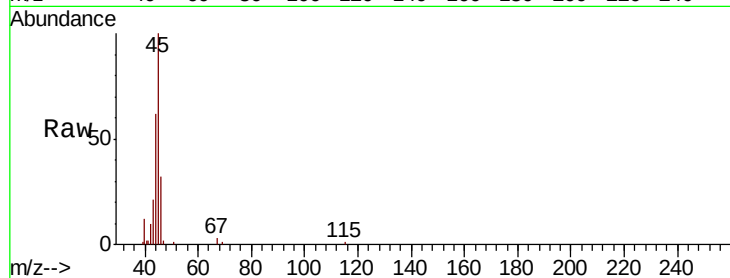
#13
Ethanol
Concen: 2.024 ppbv m
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUPDL

Tot Ion	45	Resp	30964
Ion Ratio	100	Lower	Upper
45	100		
46	35.8	14.5	57.9

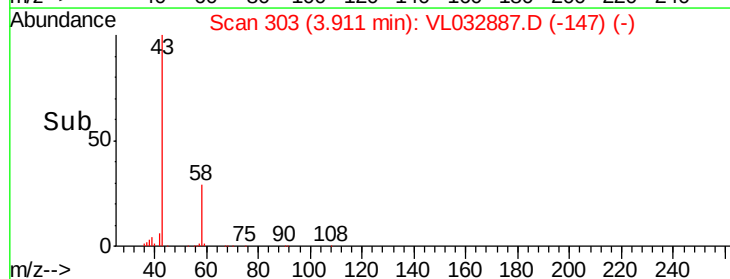
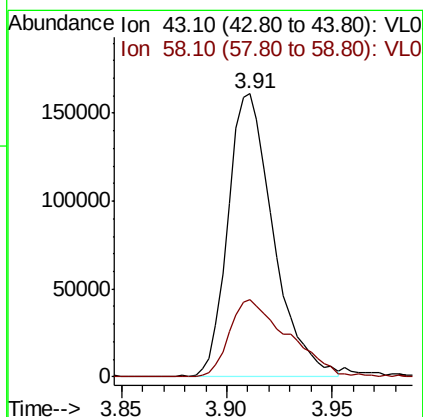
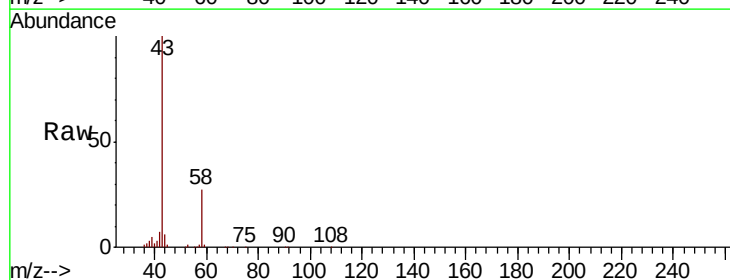
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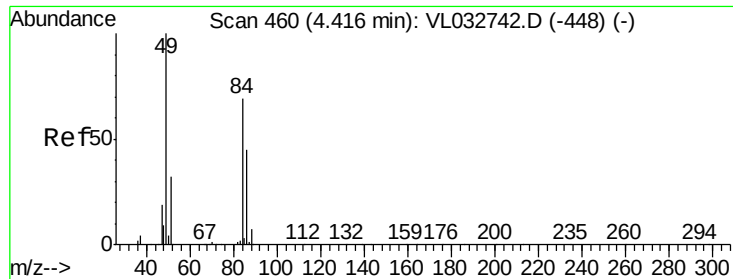
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#15
Acetone
Concen: 1.781 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Tgt Ion	43	Resp	239537
Ion Ratio	100	Lower	Upper
43	100		
58	35.7	21.1	31.7#





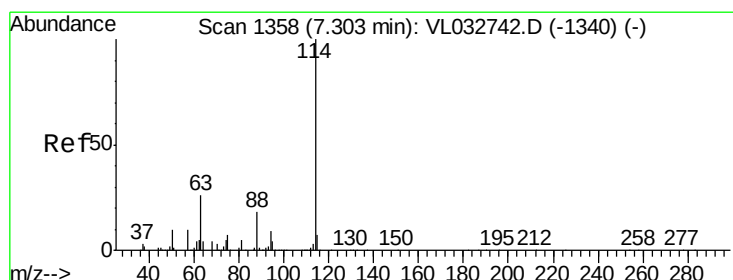
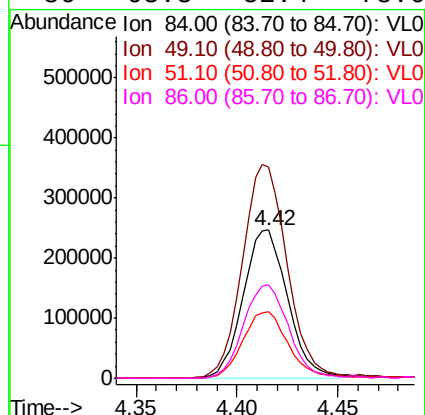
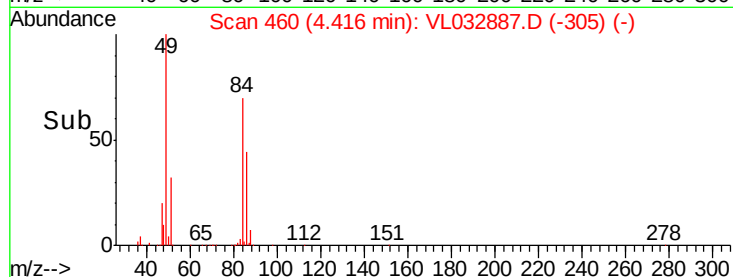
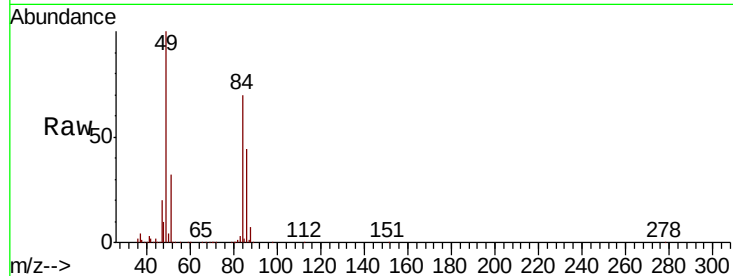
#20
Methvlene Chloride
Concen: 5.478 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUPDL

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	142.6	115.8	173.6	
51	45.1	36.9	55.3	
86	63.3	52.4	78.6	

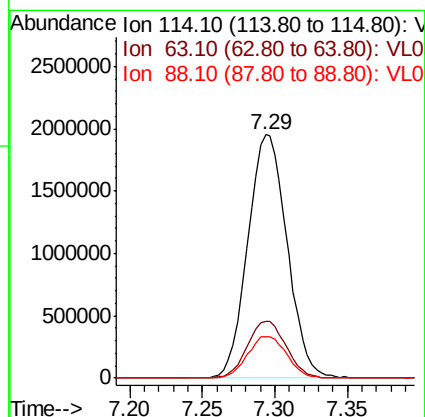
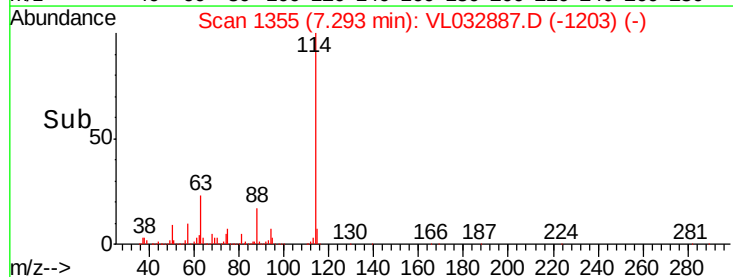
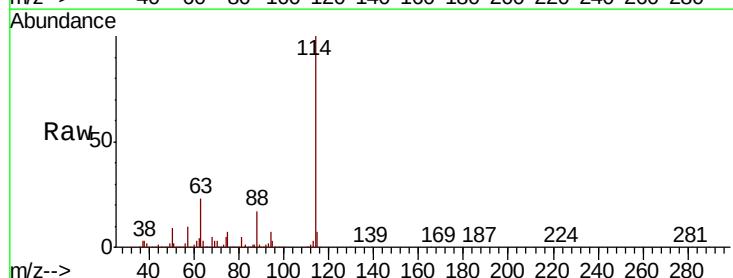
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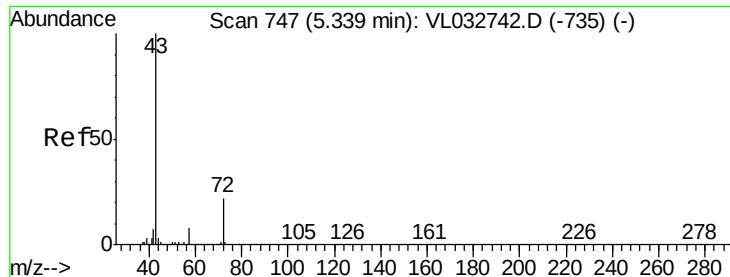
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	23.3	20.9	31.3	
88	17.3	14.4	21.6	





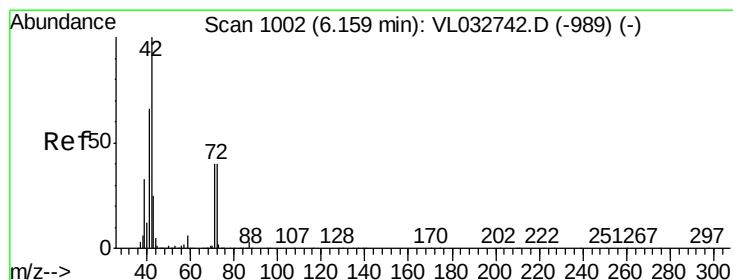
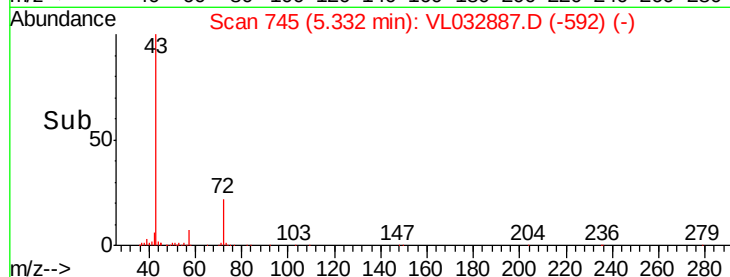
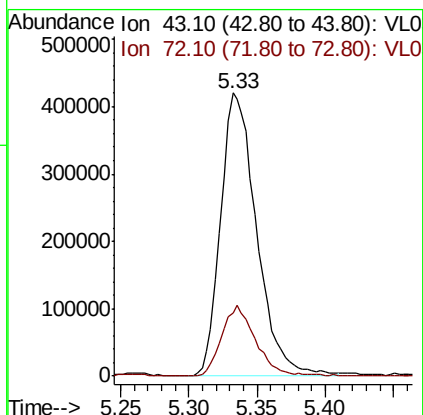
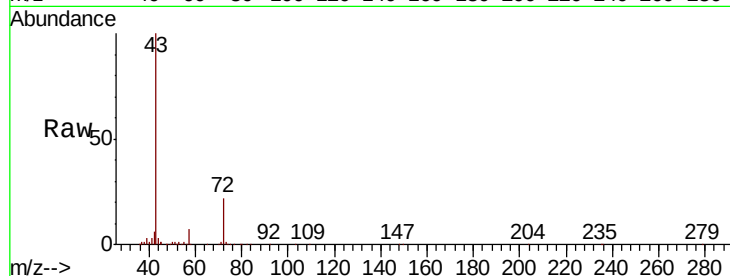
#34
2-Butanone
Concen: 4.028 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUPDL

Tot Ion: 43 Resp: 768653
Ion Ratio Lower Upper
43 100
72 24.1 18.4 27.6

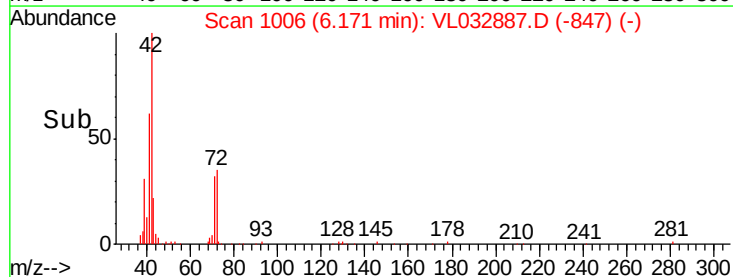
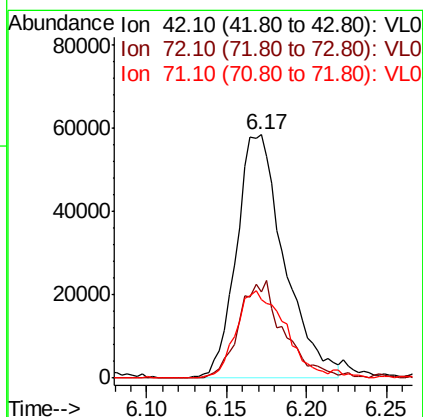
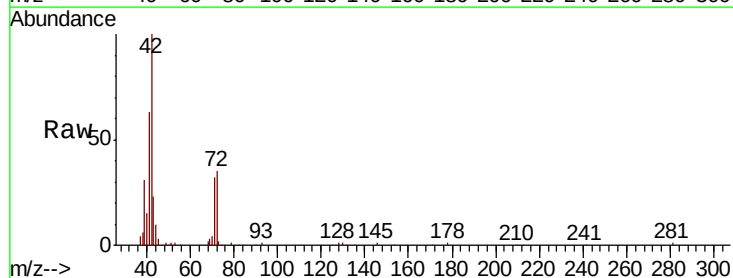
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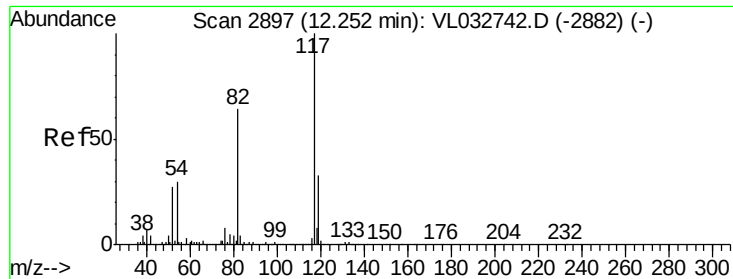
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#41
Tetrahydrofuran
Concen: 1.087 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Tgt Ion: 42 Resp: 119019
Ion Ratio Lower Upper
42 100
72 37.8 32.4 48.6
71 38.4 31.6 47.4





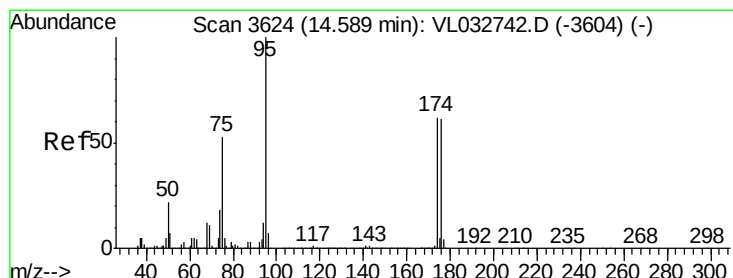
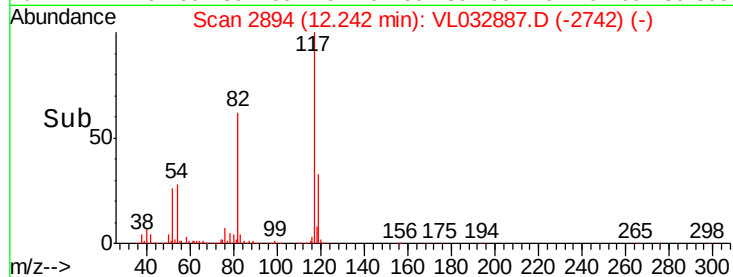
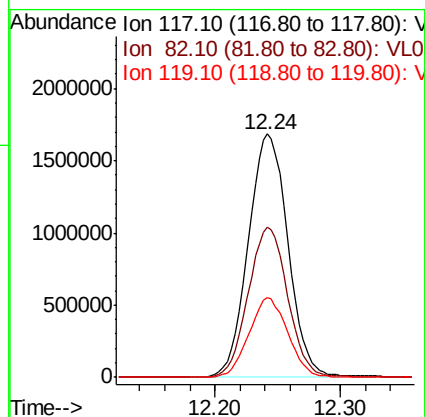
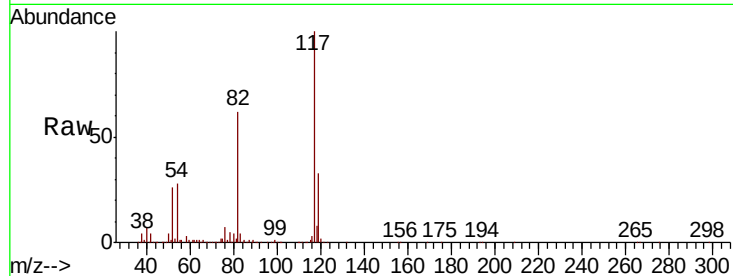
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Instrument :
MSVOA_L
ClientSampleId :
MMSV-DUPDL

Tot Ion:117 Resp: 3697705
Ion Ratio Lower Upper
117 100
82 62.1 51.0 76.6
119 32.4 28.0 42.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.426 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032887.D
Acq: 4 Dec 2018 22:01

Tgt Ion: 95 Resp: 2606896
Ion Ratio Lower Upper
95 100
174 67.6 50.7 76.1
175 5.0 3.8 5.6

