

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032867.D
 Acq On : 1 Dec 2018 2:50
 Operator : SY/AP
 Sample : J6132-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DSV-05DL

Manual Integrations
 APPROVED

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 12/3/2018 4:17:01 PM

Quant Time: Dec 01 04:20:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14
 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	1475492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3611309	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3398464	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2512604	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	220222	4.704	ppbv	95
13) Ethanol	3.68	45	12626m	0.823	ppbv	
15) Acetone	3.92	43	82336	0.611	ppbv #	83
27) Carbon Disulfide	4.63	76	58349	0.329	ppbv #	66
34) 2-Butanone	5.35	43	98214	0.524	ppbv	98

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

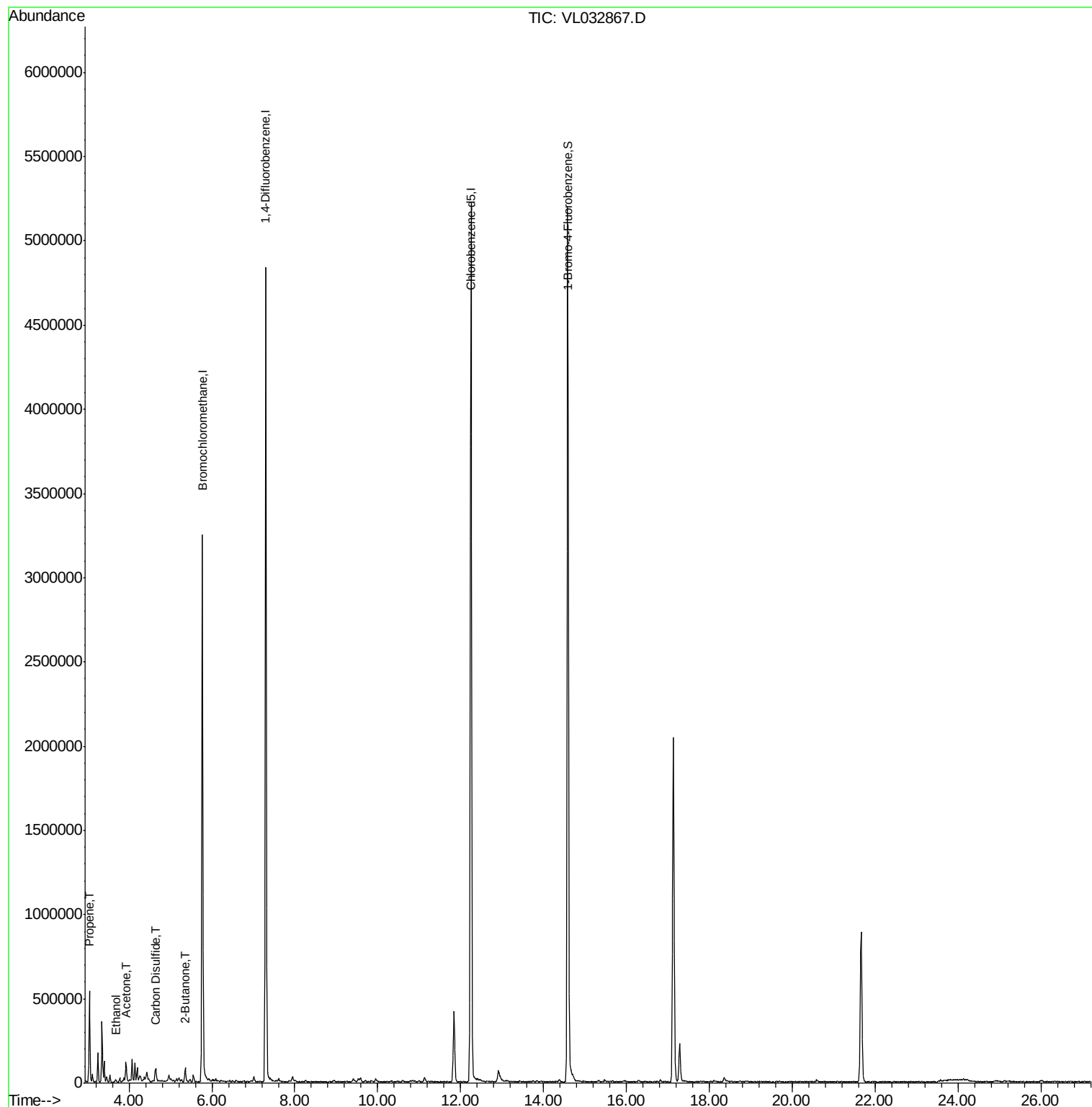
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL113018\
Data File : VL032867.D
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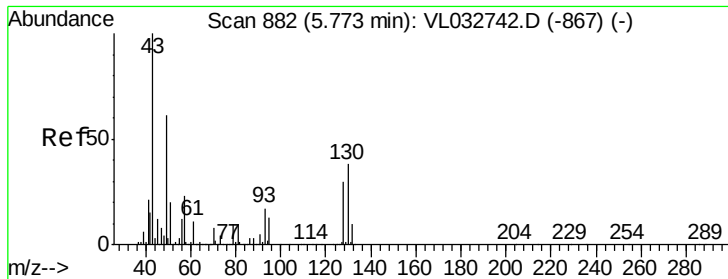
Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Manual Integrations
APPROVED

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12/3/2018 4:17:01 PM

Quant Time: Dec 01 04:20:50 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: VL032867.D

Acq: 1 Dec 2018 2:50

Instrument :

MSVOA_L

ClientSampled :

DSV-05DL

Tot Ion: 49 Resp: 1475492

Ion Ratio Lower Upper

49 100

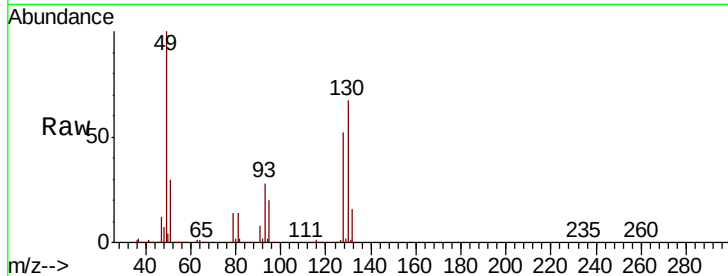
128 53.1 24.9 74.6

130 67.9 31.4 94.2

Manual Integrations
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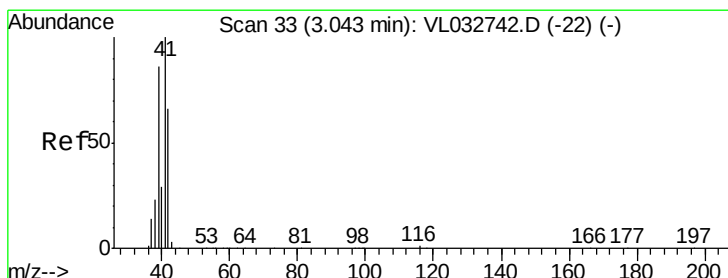
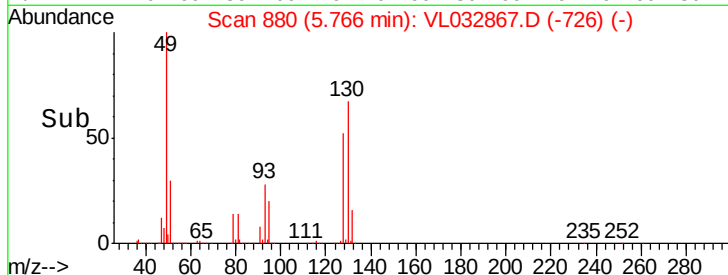
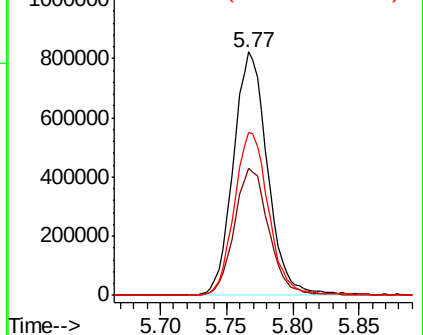
12/3/2018 4:17:01 PM



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: 4.704 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032867.D

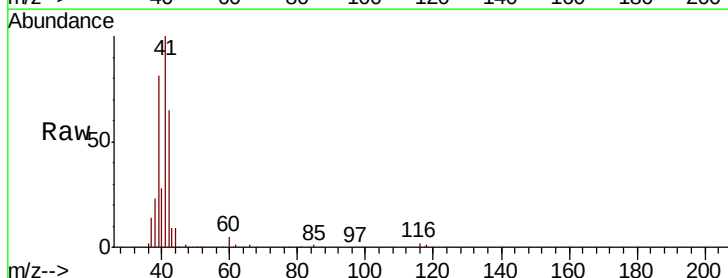
Acq: 1 Dec 2018 2:50

Tgt Ion: 41 Resp: 220222

Ion Ratio Lower Upper

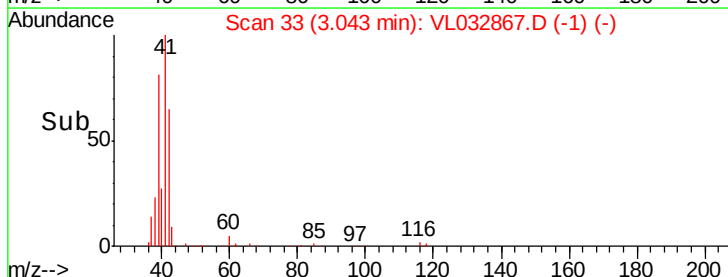
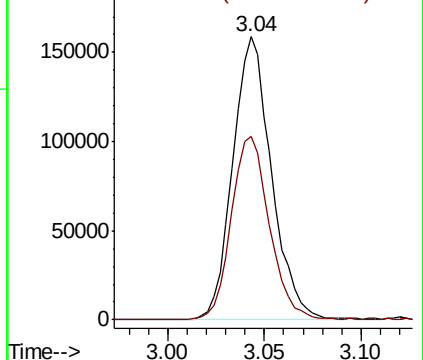
41 100

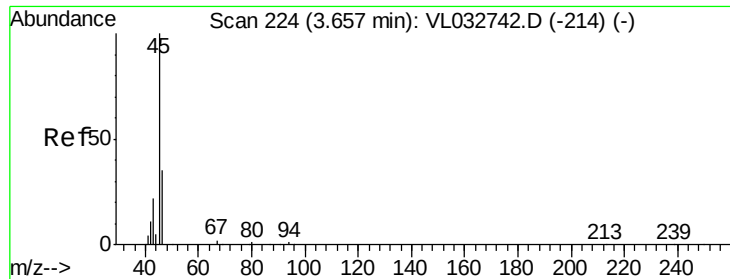
42 64.4 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





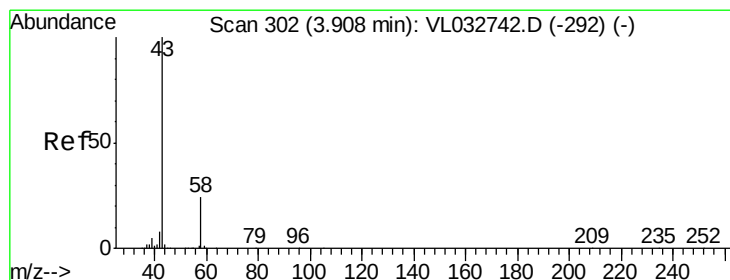
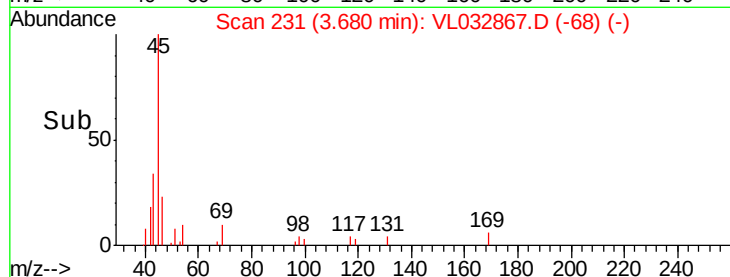
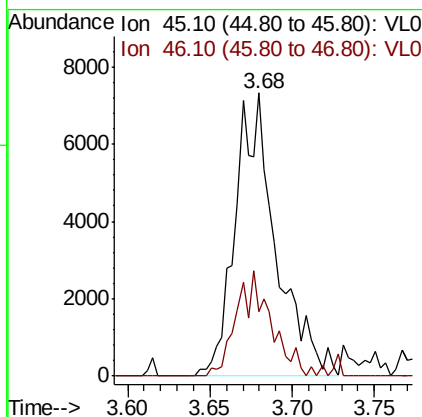
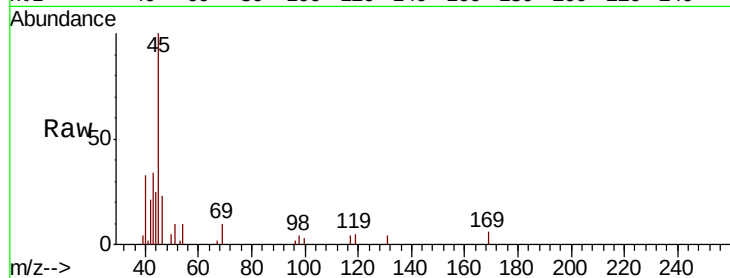
#13
Ethanol
Concen: 0.823 ppbv m
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032867.D
Acq: 1 Dec 2018 2:50

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

Tot Ion	45	46	Ratio	100	0.0	Resp	Lower	Upper
12626								

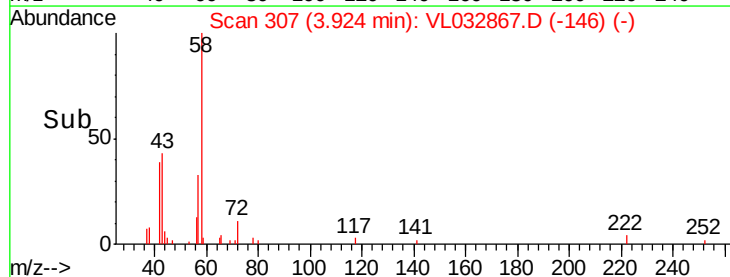
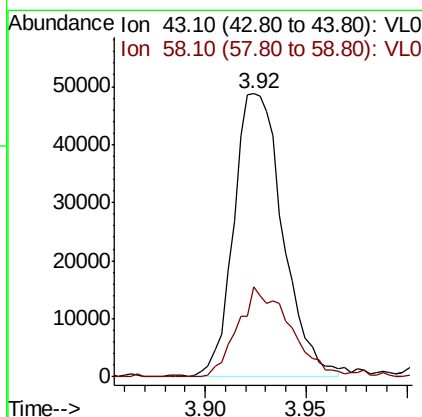
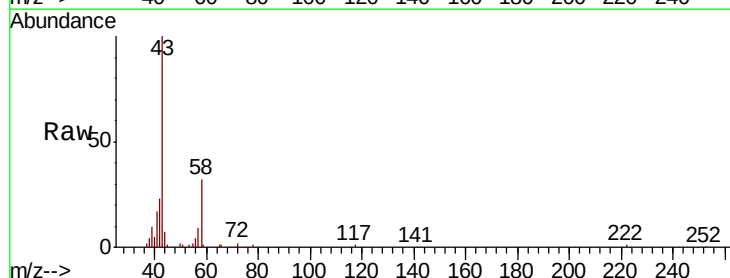
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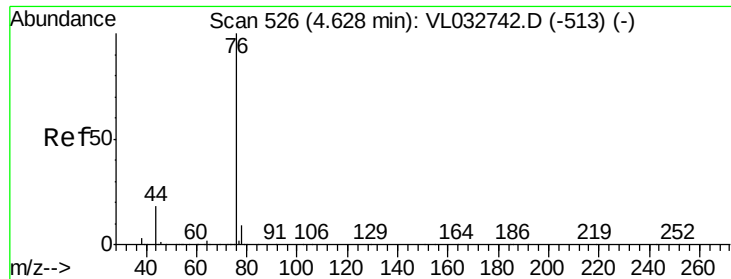
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#15
Acetone
Concen: 0.611 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL032867.D
Acq: 1 Dec 2018 2:50

Tgt Ion	43	58	Ratio	100	35.2	Resp	Lower	Upper
82336								





#27

Carbon Disulfide

Concen: 0.329 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032867.D

Acq: 1 Dec 2018 2:50

Instrument :

MSVOA_L

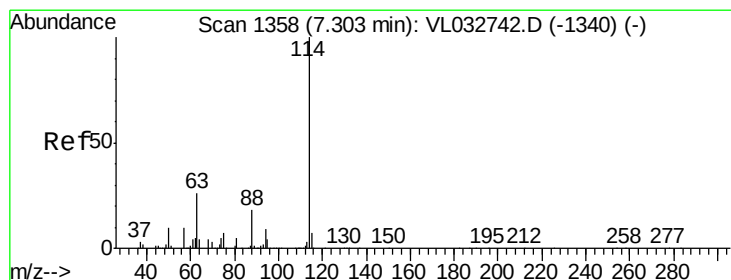
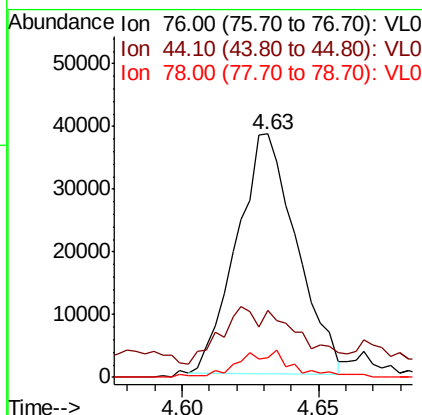
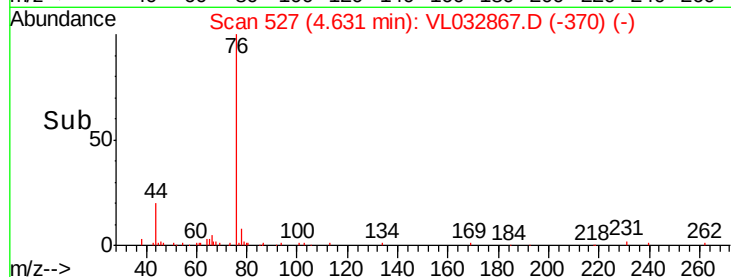
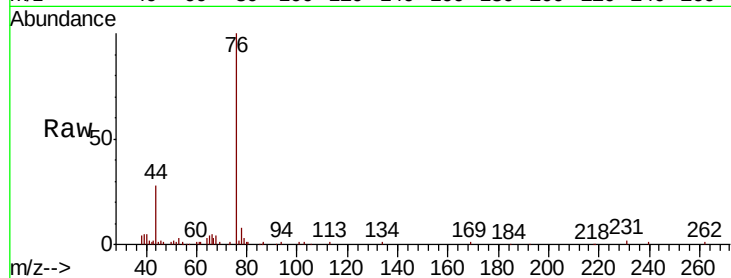
ClientSampled :

DSV-05DL

Tot Ion:	76	Resp:	58349
Ion Ratio	Lower	Upper	
76	100		
44	40.8	14.4	21.6#
78	10.2	7.7	11.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

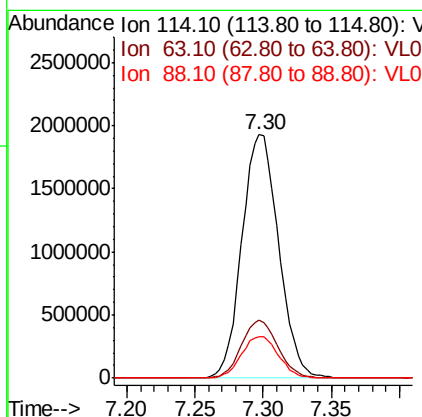
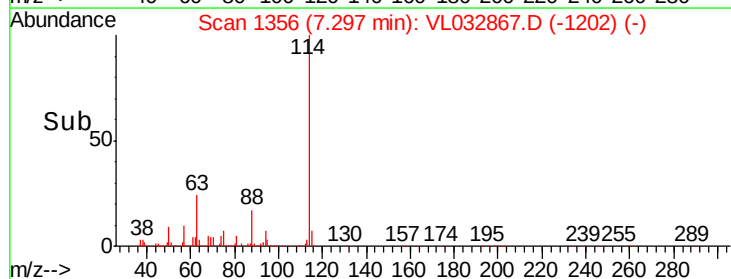
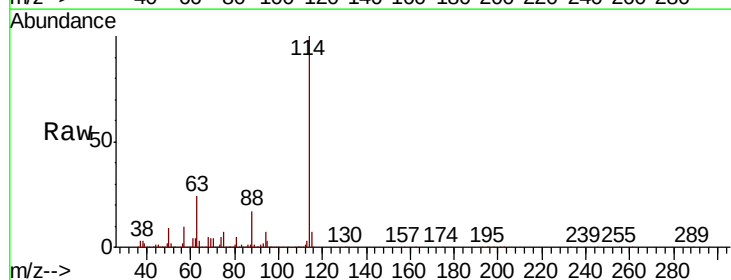
RT: 7.30 min Scan# 1356

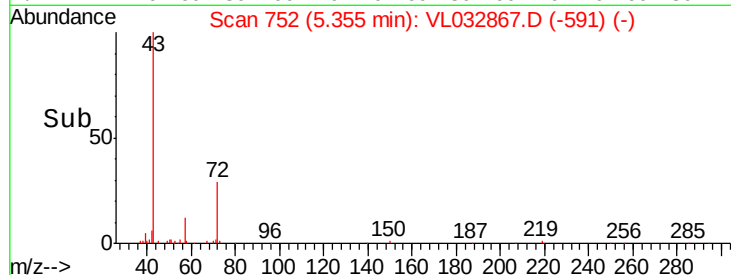
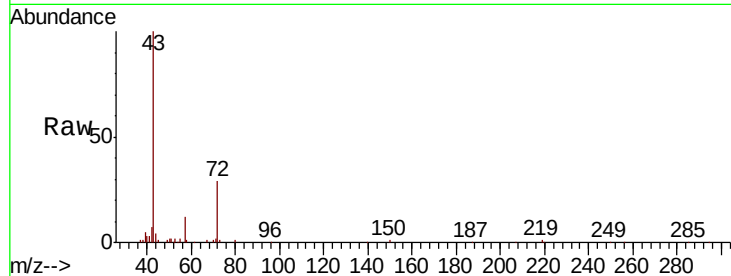
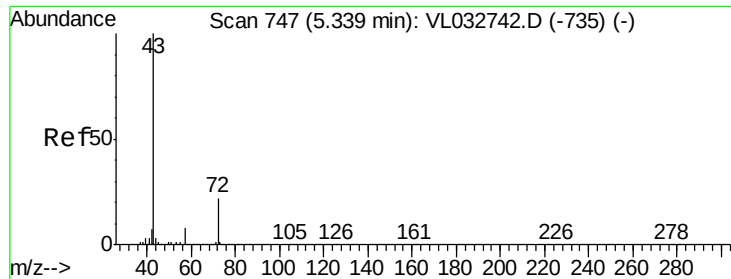
Delta R.T. -0.01 min

Lab File: VL032867.D

Acq: 1 Dec 2018 2:50

Tgt Ion:	114	Resp:	3611309
Ion Ratio	Lower	Upper	
114	100		
63	23.6	20.9	31.3
88	17.3	14.4	21.6





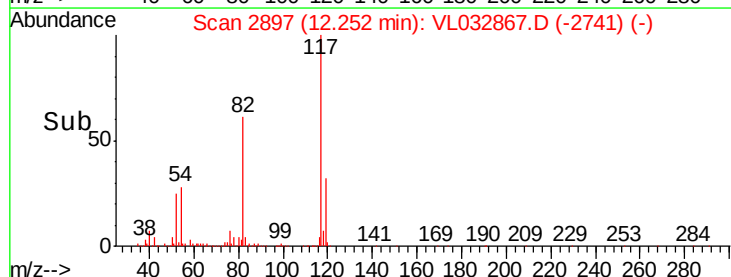
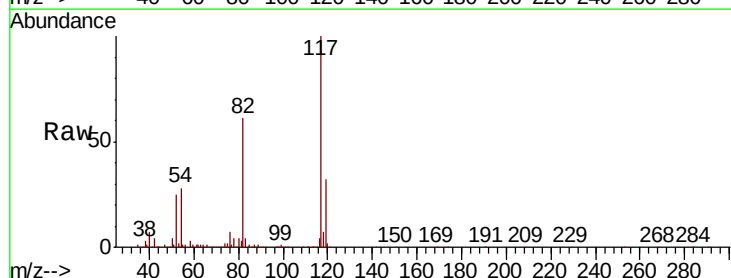
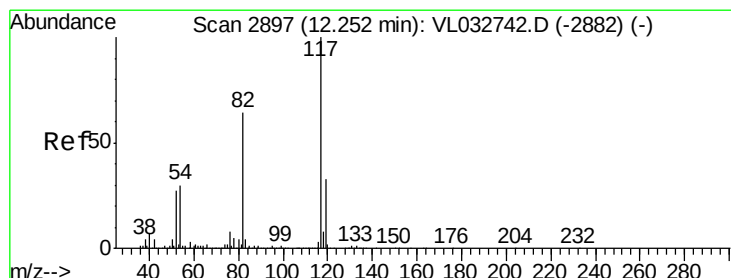
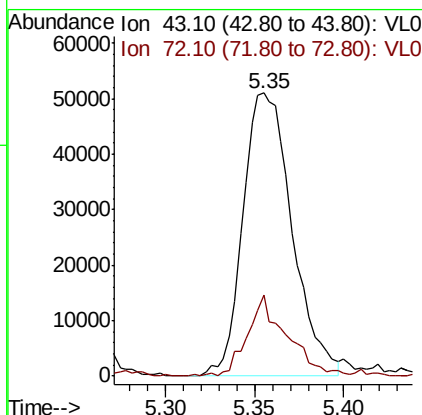
#34
2-Butanone
Concen: 0.524 ppbv
RT: 5.35 min Scan# 752
Delta R.T. 0.02 min
Lab File: VL032867.D
Acq: 1 Dec 2018 2:50

Tot Ion	43	72	Ratio	Lower	Upper
Resp	98214				
Ratio	100	23.8			
Lower		18.4			
Upper		27.6			

Instrument :
MSVOA_L
ClientSampleId :
DSV-05DL

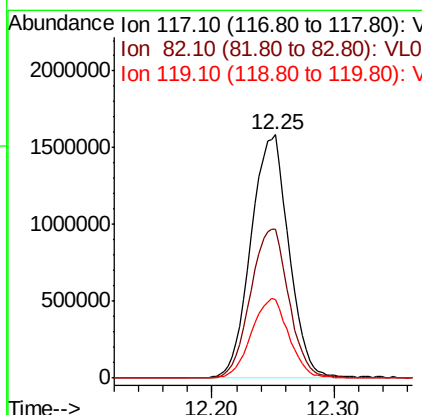
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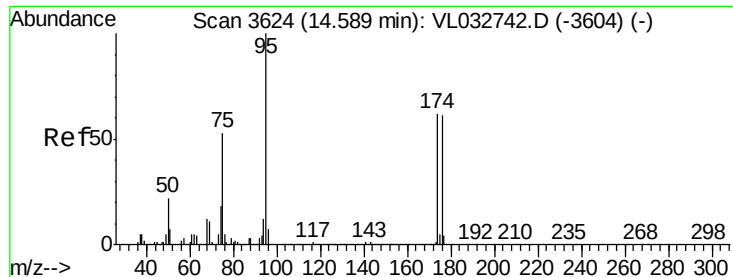
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032867.D
Acq: 1 Dec 2018 2:50

Tgt Ion	117	82	119	Ratio	Lower	Upper
Resp	3398464					
Ratio	100	62.7	32.5			
Lower		51.0	28.0			
Upper		76.6	42.0			





#68

1-Bromo-4-Fluorobenzene

Concen: 9.885 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032867.D

Acq: 1 Dec 2018 2:50

Instrument :

MSVOA_L

ClientSampleId :

DSV-05DL

Tot Ion: 95 Resp: 2512604

Ion Ratio Lower Upper

95 100

174 66.4 50.7 76.1

175 5.0 3.8 5.6

Manual Integrations
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12/3/2018 4:17:01 PM

