

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033551.D
 Acq On : 5 Apr 2019 2:50
 Operator : SY/AP
 Sample : K2226-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:29 AM

Quant Time: Apr 07 23:16:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1218530	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2892282	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2910564	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2317799	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	64734	1.099	ppbv	98
13) Ethanol	3.67	45	29175	1.914	ppbv	73
15) Acetone	3.90	43	411475	2.808	ppbv	95
26) Hexane	5.78	57	29712	0.246	ppbv #	39
34) 2-Butanone	5.34	43	94743	0.545	ppbv	100
53) Toluene	9.94	91	31591m	0.112	ppbv	

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

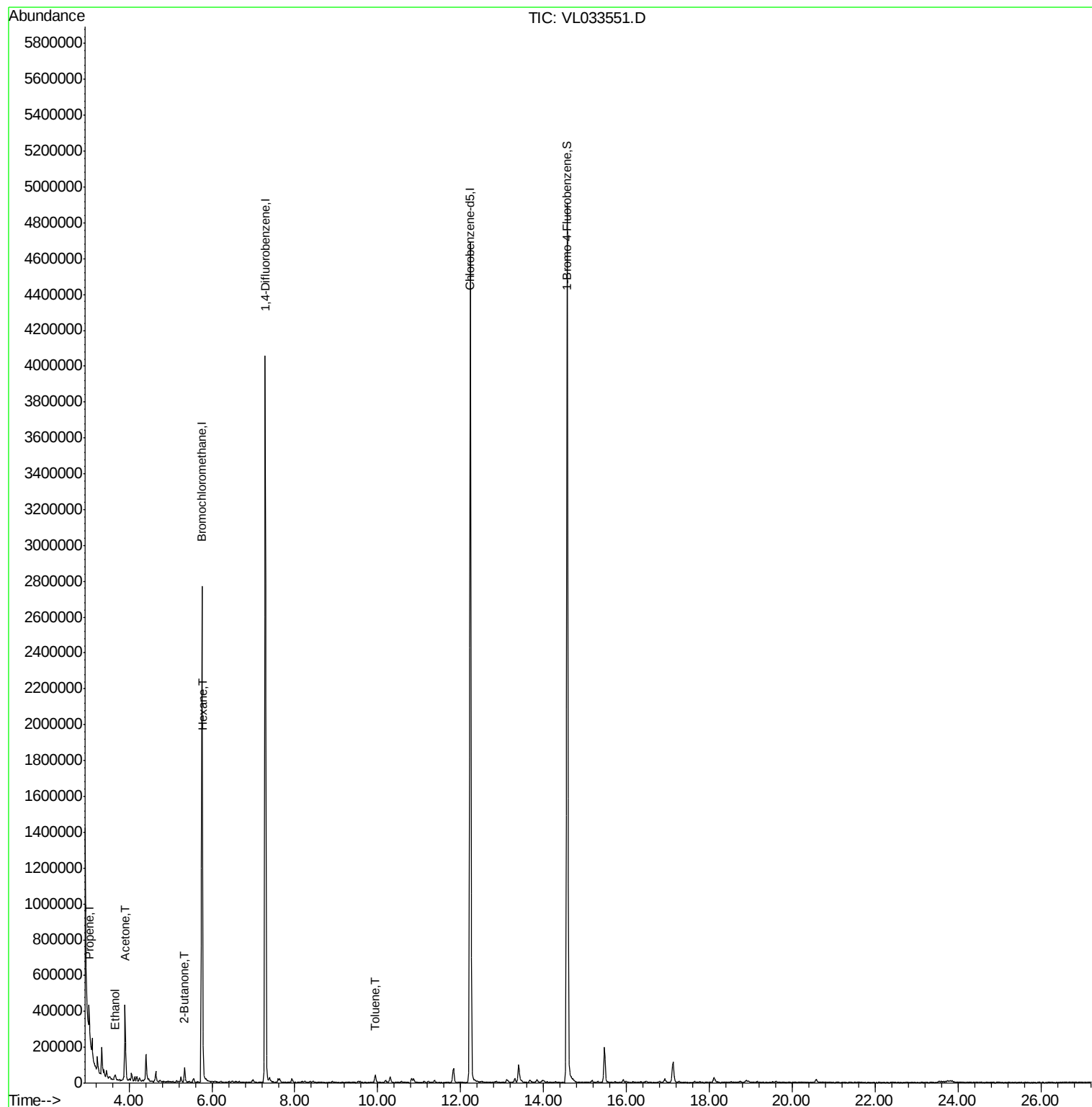
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033551.D

Acq: 5 Apr 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tot Ion: 49 Resp: 1218530

Ion Ratio Lower Upper

49 100

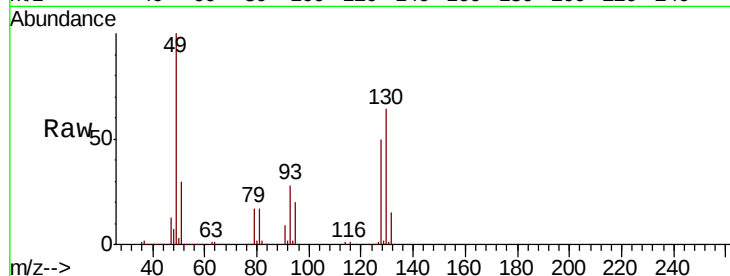
128 50.0 24.0 72.0

130 64.1 31.2 93.6

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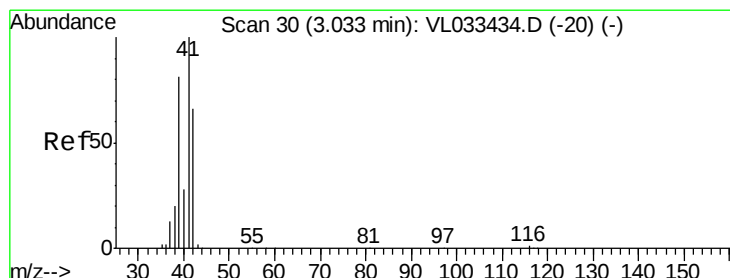
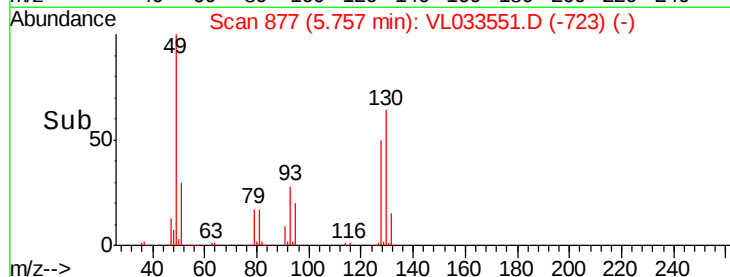
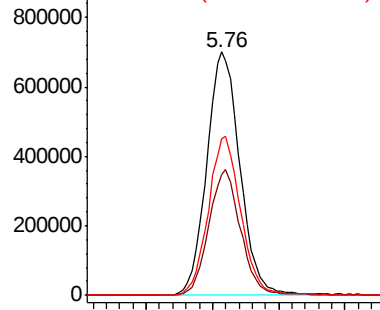
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.099 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033551.D

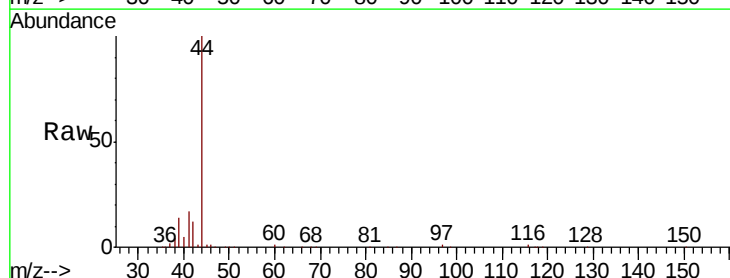
Acq: 5 Apr 2019 2:50

Tgt Ion: 41 Resp: 64734

Ion Ratio Lower Upper

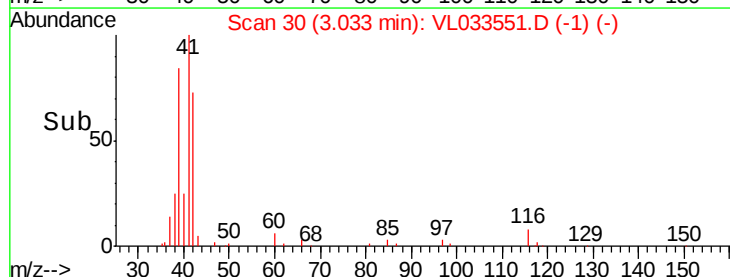
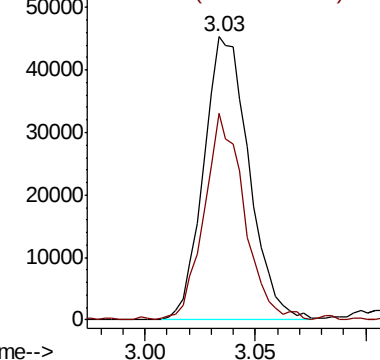
41 100

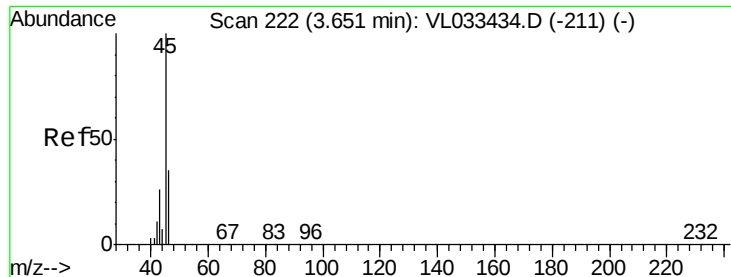
42 65.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





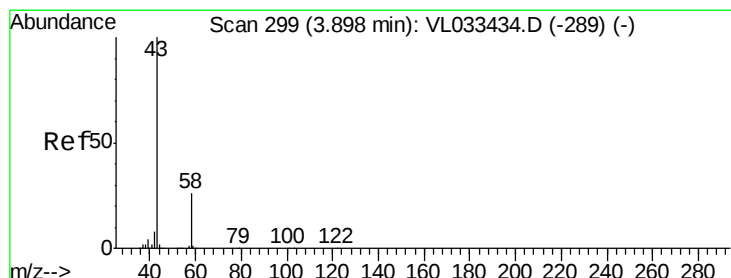
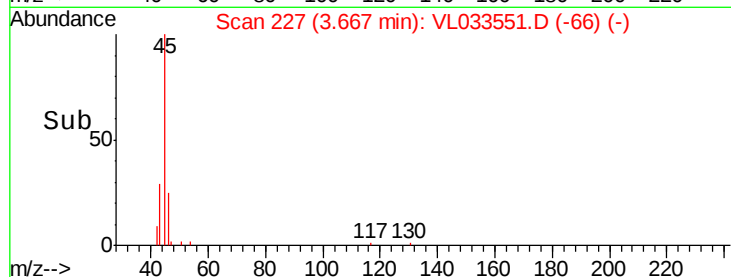
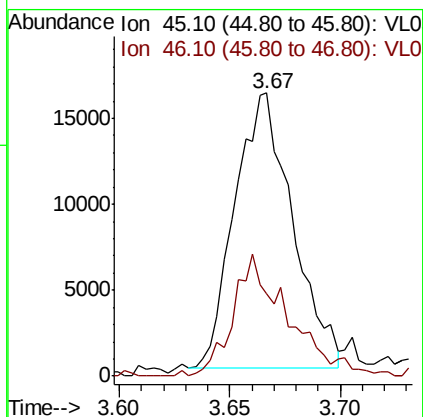
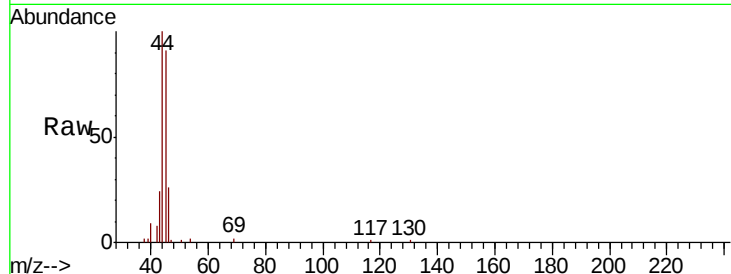
#13
Ethanol
Concen: 1.914 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Instrument :
MSVOA_L
ClientSampled :
SV5DL

Tot Ion	45	Resp	29175
Ion Ratio	100	Lower	Upper
46	42.7	25.4	101.8

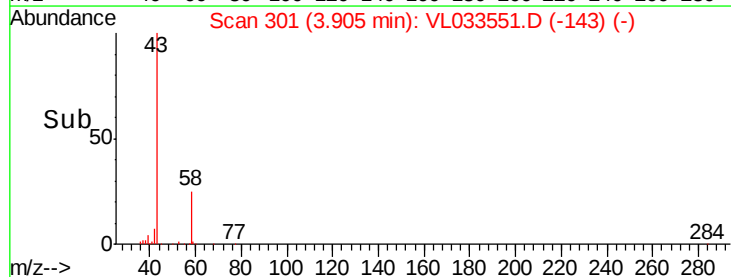
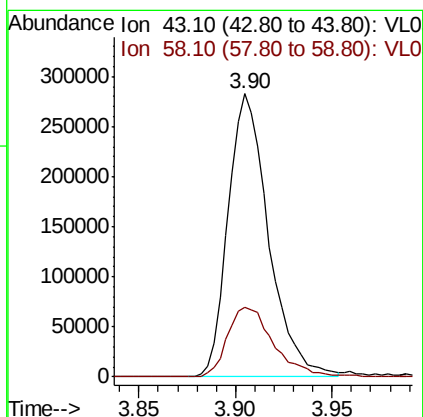
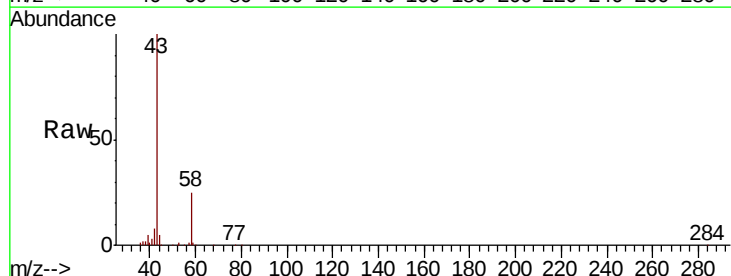
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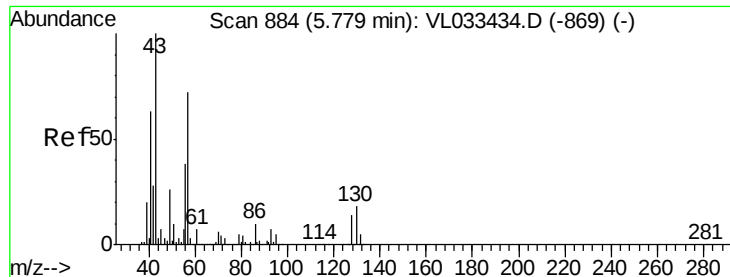
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#15
Acetone
Concen: 2.808 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Tgt Ion	43	Resp	411475
Ion Ratio	100	Lower	Upper
58	28.2	20.5	30.7





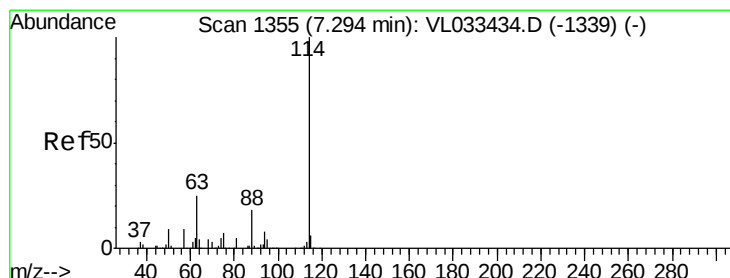
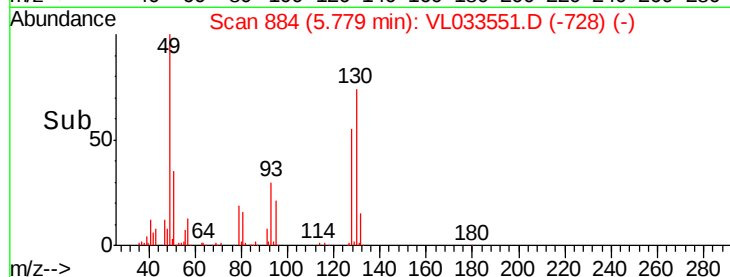
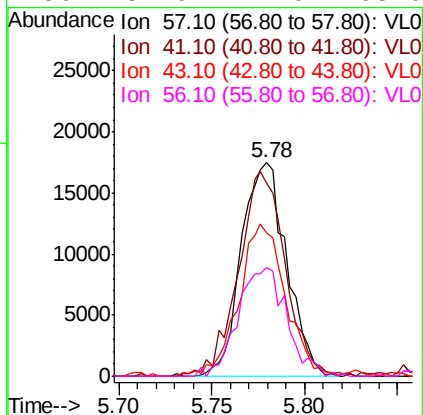
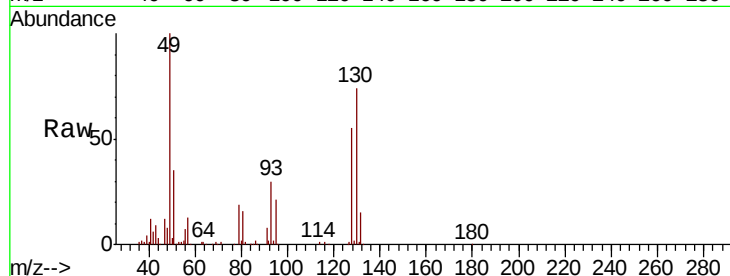
#26
Hexane
Concen: 0.246 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Instrument :
MSVOA_L
ClientSampled :
SV5DL

Tot Ion	57	Resp	29712
Ion	Ratio	Lower	Upper
57	100		
41	99.3	70.7	106.1
43	75.1	182.6	274.0#
56	54.9	42.0	63.0

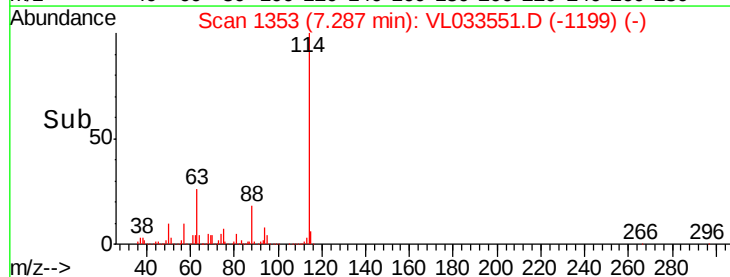
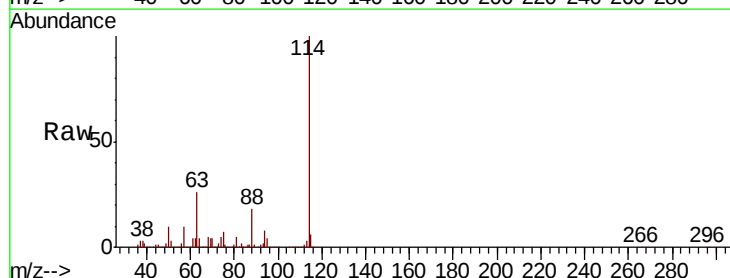
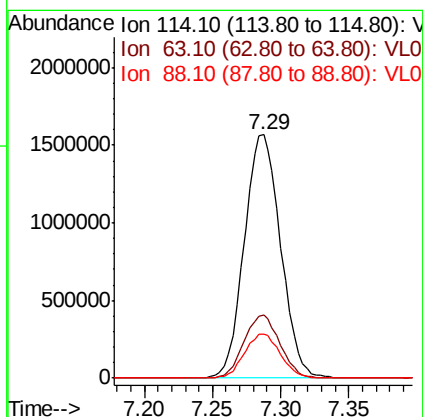
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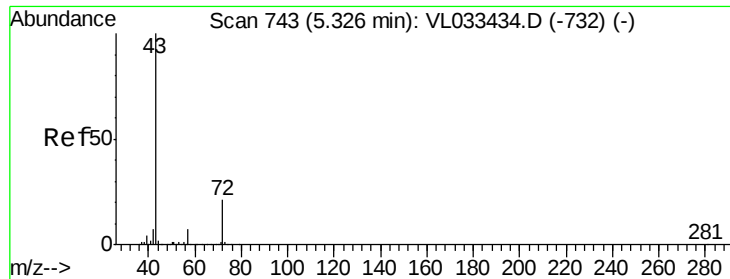
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Tgt Ion	114	Resp	2892282
Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.5	32.3
88	18.0	14.5	21.7





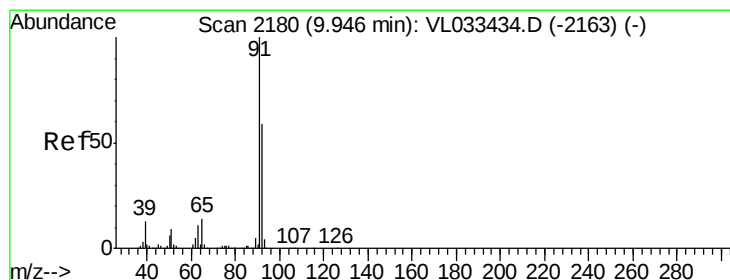
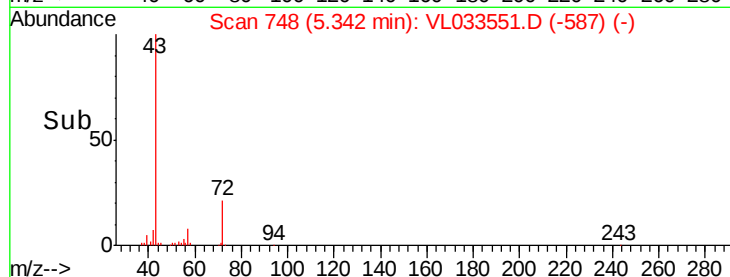
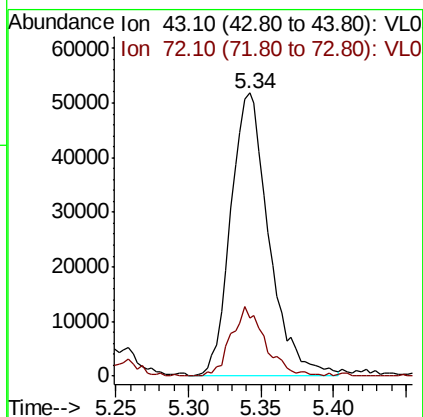
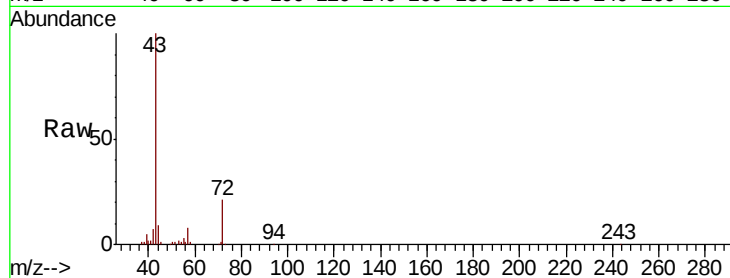
#34
2-Butanone
Concen: 0.545 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.02 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tot Ion	43	Resp	94743
Ion Ratio	Lower	Upper	
43	100		
72	22.0	17.4	26.2

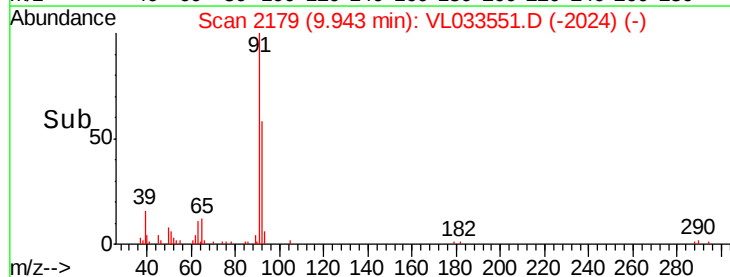
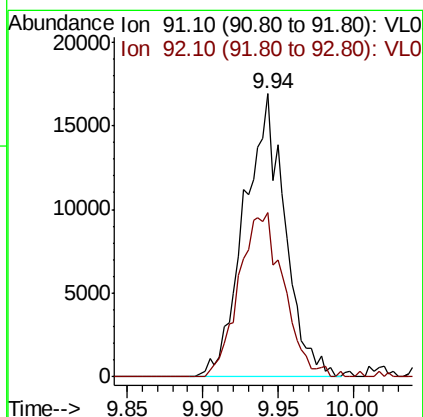
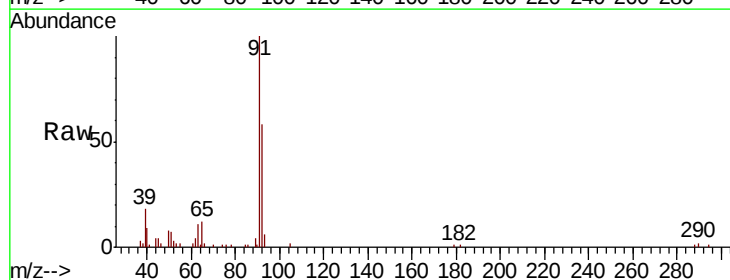
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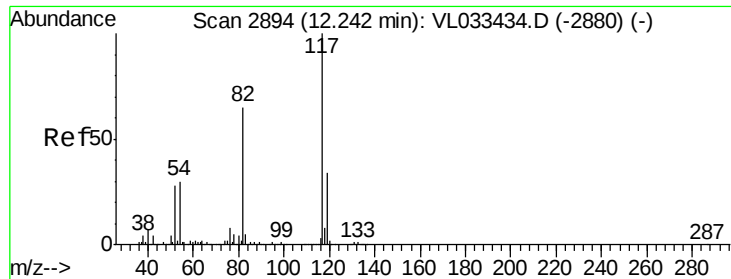
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#53
Toluene
Concen: 0.112 ppbv m
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Tgt Ion	91	Resp	31591
Ion Ratio	Lower	Upper	
91	100		
92	64.0	47.4	71.0





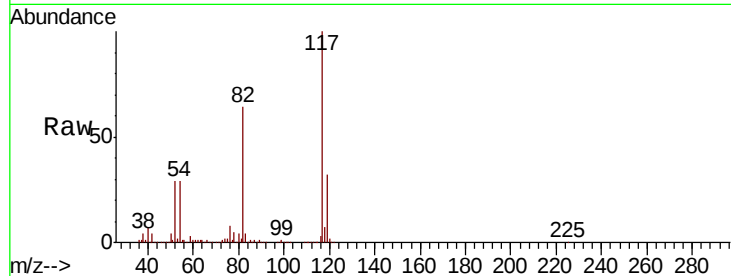
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

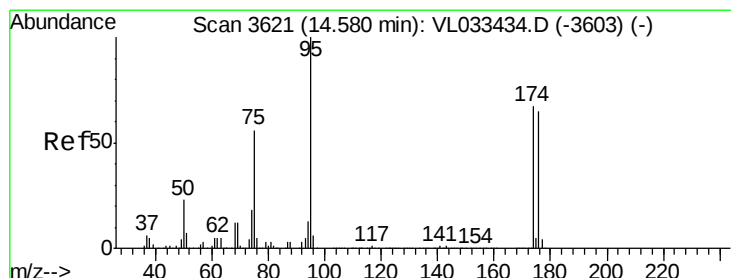
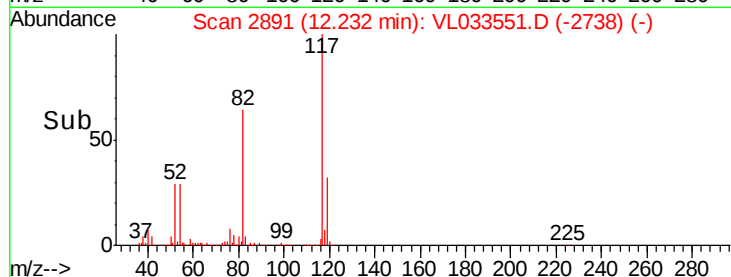
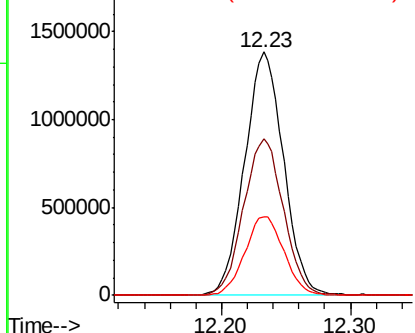
Tot Ion	Ratio	Lower	Upper
117	100		
82	65.9	51.5	77.3
119	32.8	25.5	38.3

Manual Integrations
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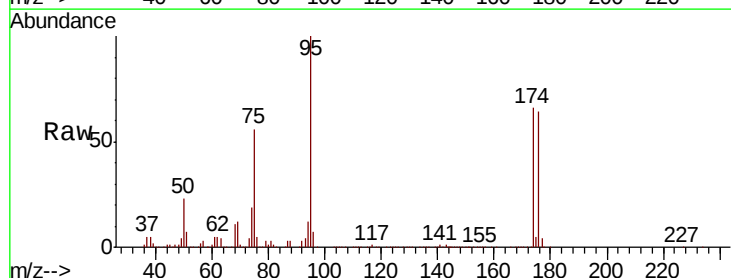


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.158 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033551.D
Acq: 5 Apr 2019 2:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.6	52.9	79.3
175	4.9	3.8	5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

