

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033555.D
 Acq On : 5 Apr 2019 5:26
 Operator : SY/AP
 Sample : K2226-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:22:33 AM

Quant Time: Apr 07 23:18:04 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	1254904	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3375598	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	3412030	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	2567240	9.60	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	417375	6.879	ppbv	94
10) Heptane	8.25	43	31890m	0.197	ppbv	
13) Ethanol	3.66	45	38713	2.466	ppbv	69
15) Acetone	3.90	43	884689	5.863	ppbv	96
17) tert-Butyl alcohol	4.38	59	41974	1.513	ppbv #	91
26) Hexane	5.77	57	54352	0.437	ppbv	90
34) 2-Butanone	5.34	43	34995	0.173	ppbv	93
36) Benzene	7.00	78	81057	0.286	ppbv	95
53) Toluene	9.94	91	106500	0.324	ppbv	98

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

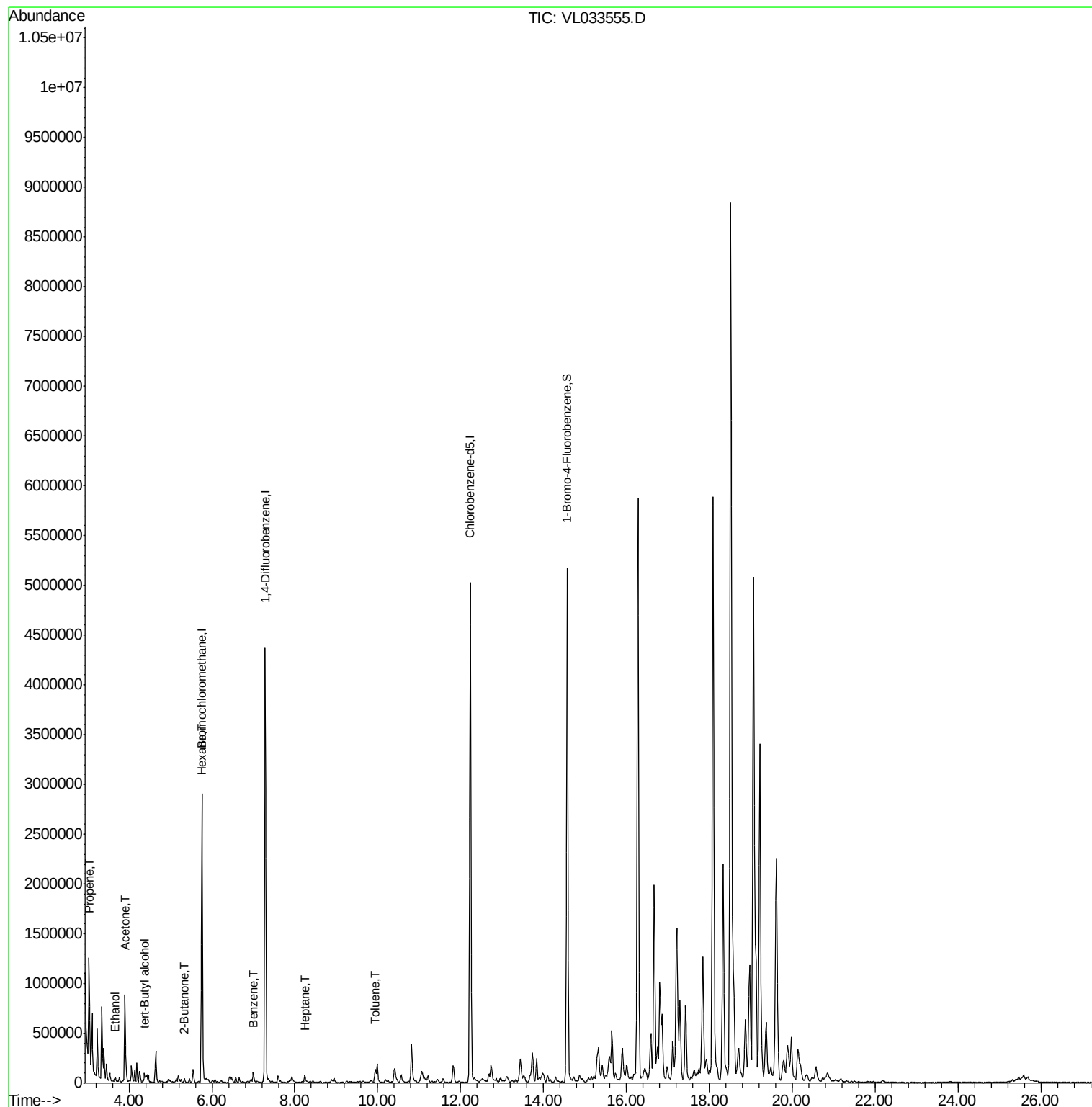
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040419\
Data File : VL033555.D
Acq On : 5 Apr 2019 5:26
Operator : SY/AP
Sample : K2226-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

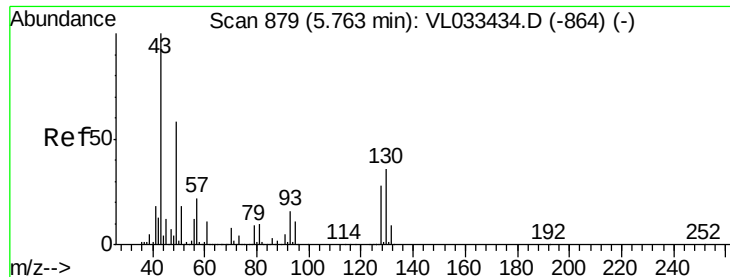
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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Quant Time: Apr 07 23:18:04 2019
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: VL033555.D

Acq: 5 Apr 2019 5:26

Instrument :

MSVOA_L

ClientSampled :

SV3DL

Tot Ion: 49 Resp: 1254904

Ion Ratio Lower Upper

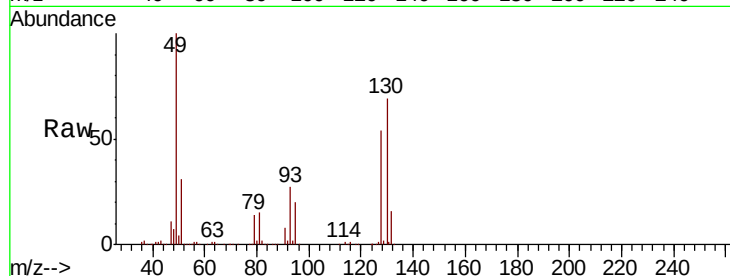
49 100

128 53.3 24.0 72.0

130 68.6 31.2 93.6

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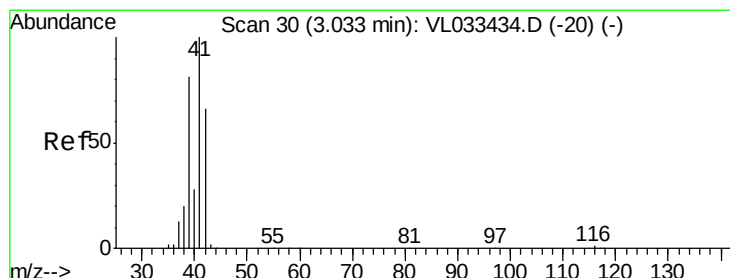
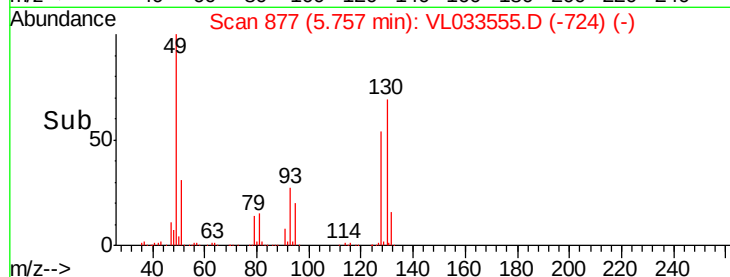
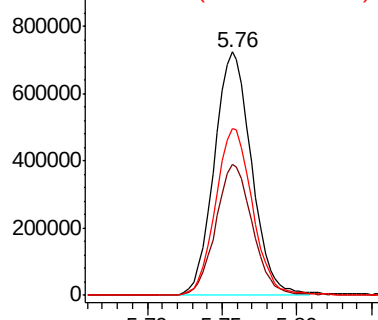
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 6.879 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033555.D

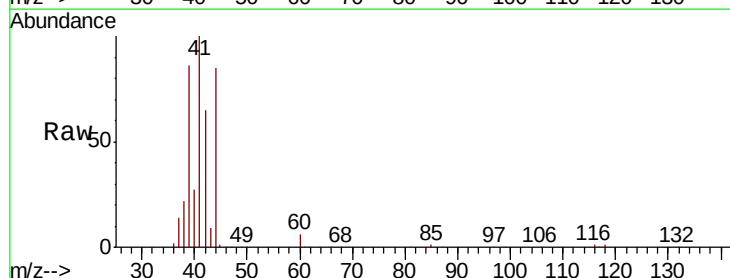
Acq: 5 Apr 2019 5:26

Tgt Ion: 41 Resp: 417375

Ion Ratio Lower Upper

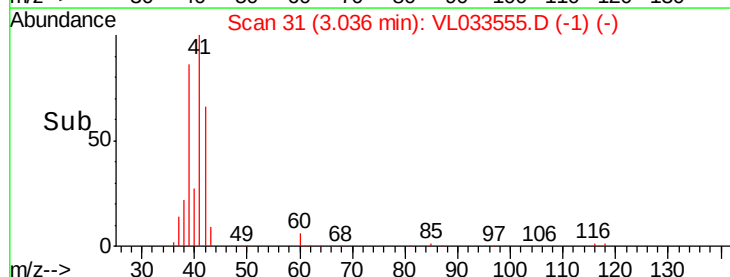
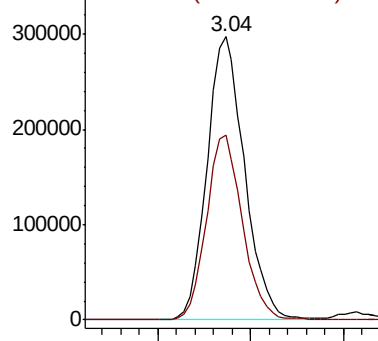
41 100

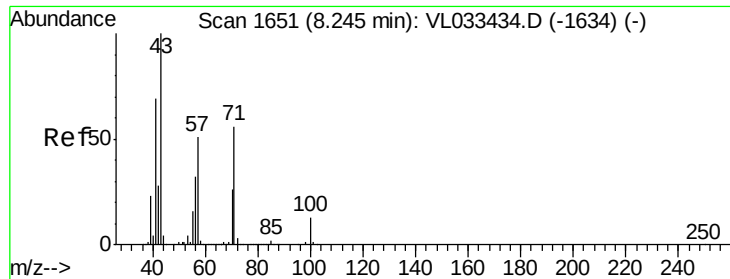
42 62.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





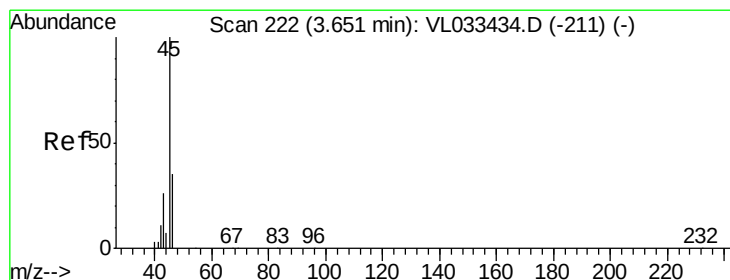
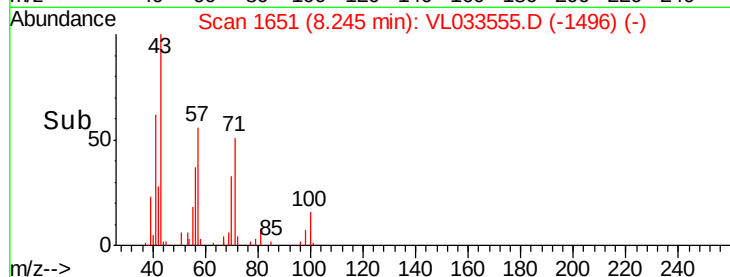
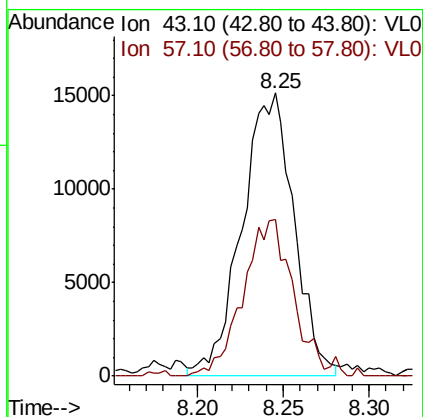
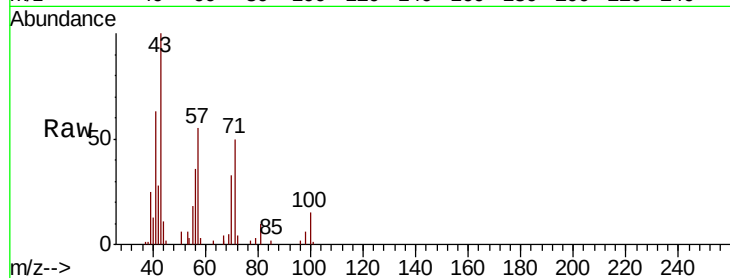
#10
Heptane
Concen: 0.197 ppbv m
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion: 43 Resp: 31890
Ion Ratio Lower Upper
43 100
57 0.0 40.6 60.8#

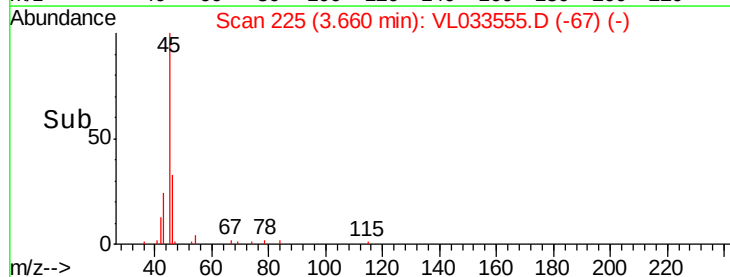
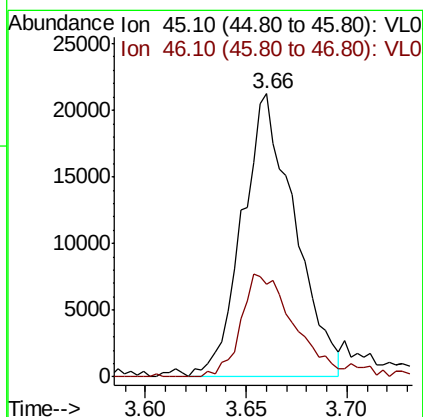
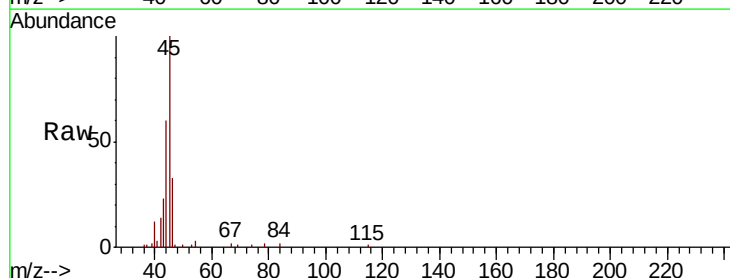
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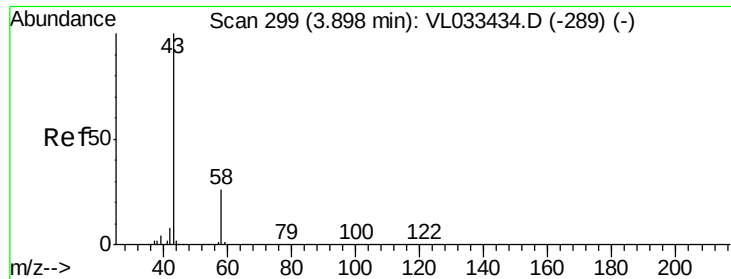
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#13
Ethanol
Concen: 2.466 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 45 Resp: 38713
Ion Ratio Lower Upper
45 100
46 39.3 25.4 101.8





#15

Acetone

Concen: 5.863 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033555.D

Acq: 5 Apr 2019 5:26

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 43 Resp: 884689

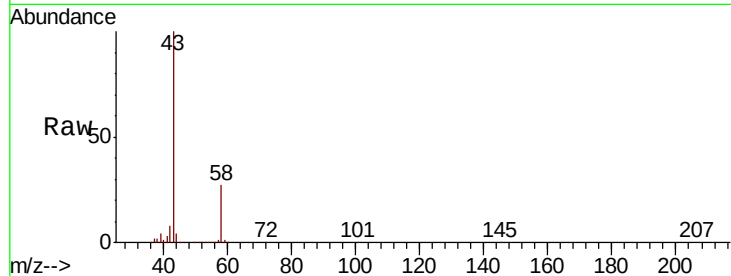
Ion Ratio Lower Upper

43 100

58 27.5 20.5 30.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

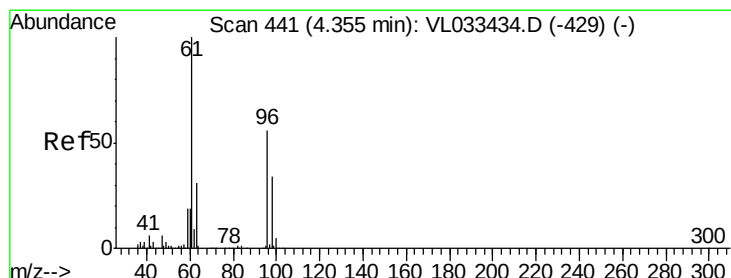
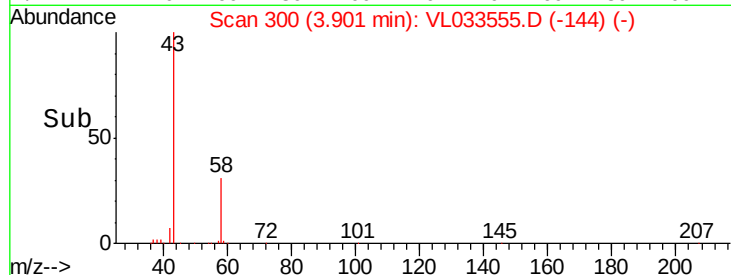
600000

400000

200000

0

Time-->



#17

tert-Butyl alcohol

Concen: 1.513 ppbv

RT: 4.38 min Scan# 448

Delta R.T. 0.02 min

Lab File: VL033555.D

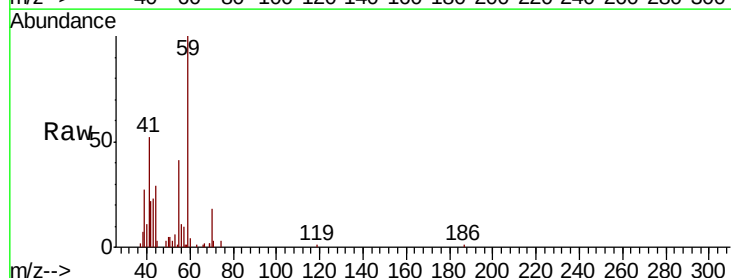
Acq: 5 Apr 2019 5:26

Tgt Ion: 59 Resp: 41974

Ion Ratio Lower Upper

59 100

57 13.2 7.8 11.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.38

25000

20000

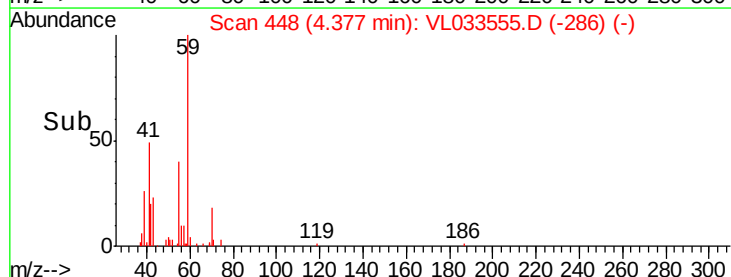
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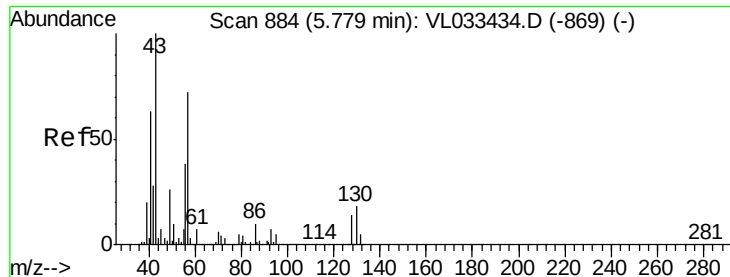
10000

5000

0

Time-->





#26

Hexane

Concen: 0.437 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL033555.D

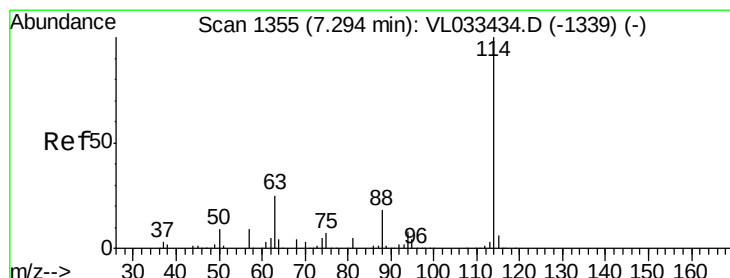
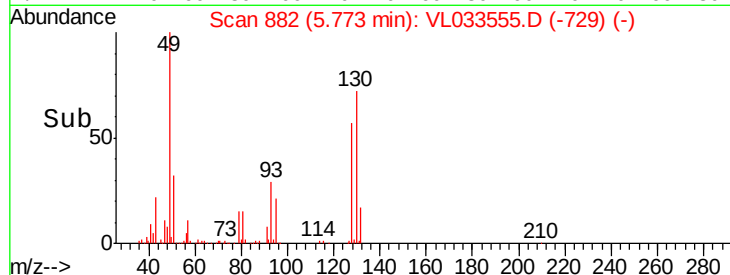
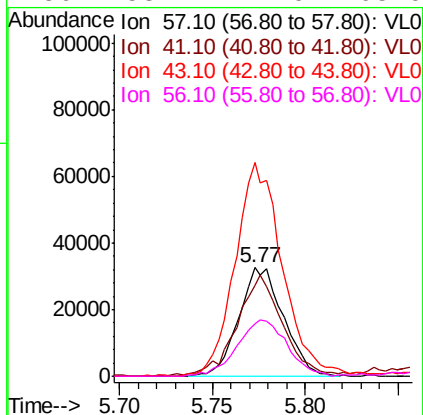
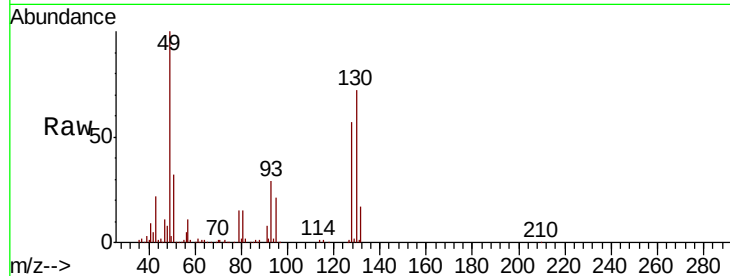
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tot Ion	57	Resp	54352
Ion	Ratio	Lower	Upper
57	100		
41	96.7	70.7	106.1
43	209.6	182.6	274.0
56	58.1	42.0	63.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

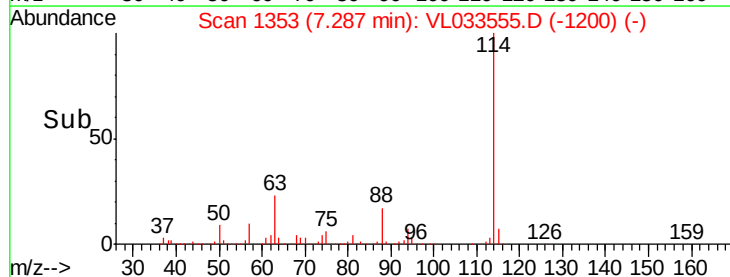
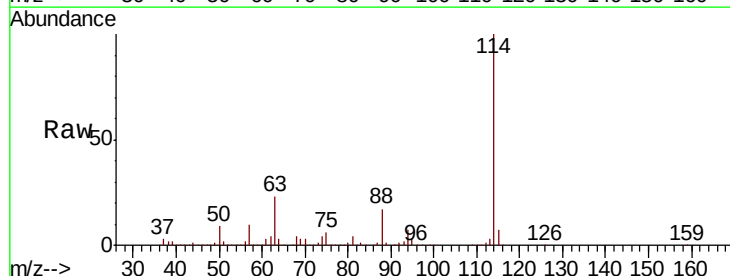
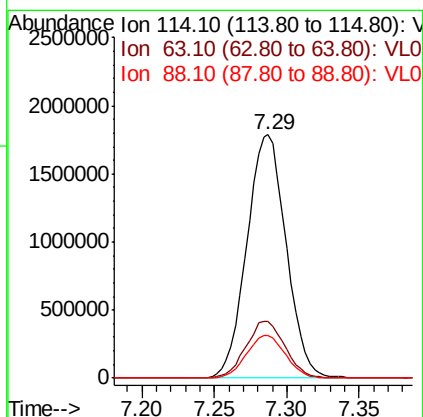
RT: 7.29 min Scan# 1353

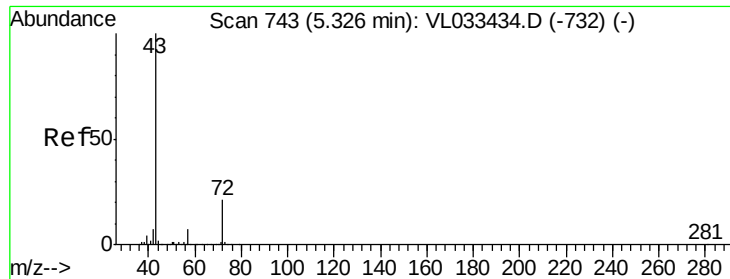
Delta R.T. -0.01 min

Lab File: VL033555.D

Acq: 5 Apr 2019 5:26

Tgt Ion	114	Resp	3375598
Ion	Ratio	Lower	Upper
114	100		
63	23.3	21.5	32.3
88	17.4	14.5	21.7





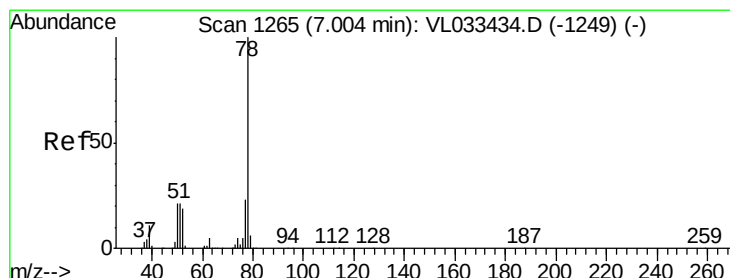
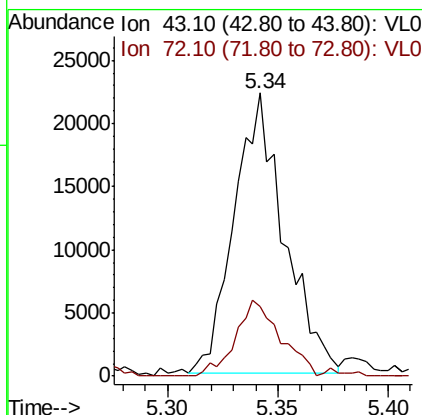
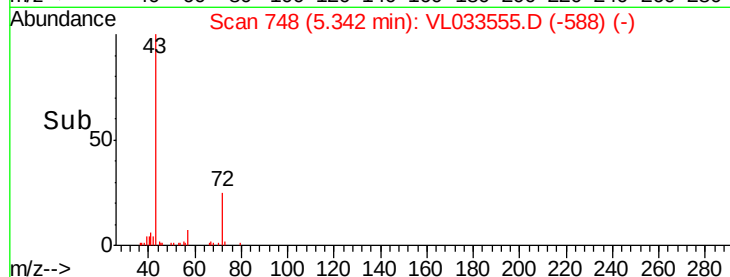
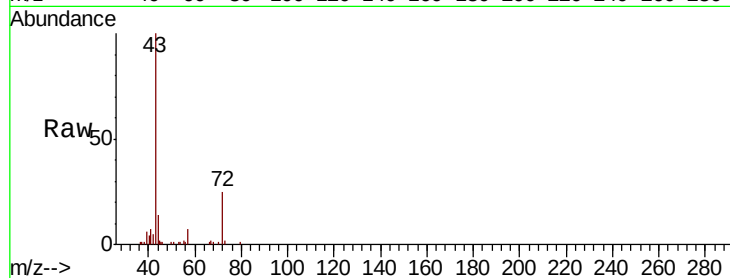
#34
2-Butanone
Concen: 0.173 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.02 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion: 43 Resp: 34995
Ion Ratio Lower Upper
43 100
72 25.3 17.4 26.2

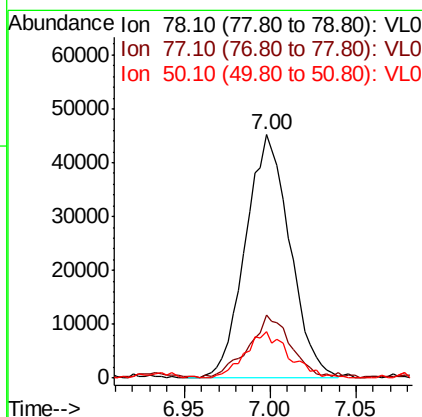
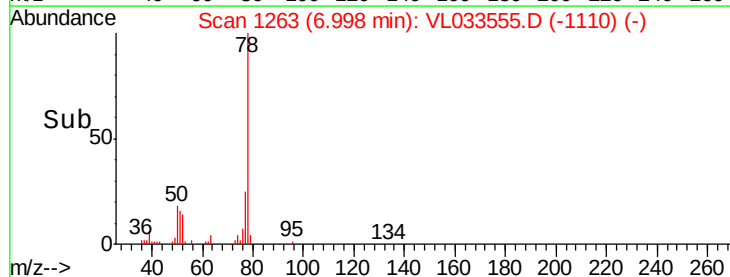
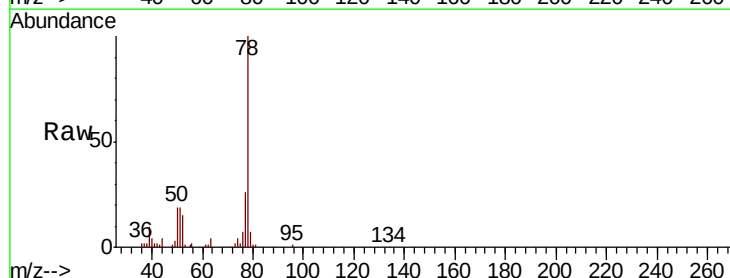
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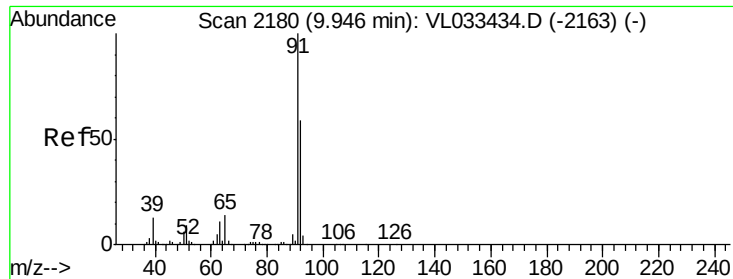
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#36
Benzene
Concen: 0.286 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion: 78 Resp: 81057
Ion Ratio Lower Upper
78 100
77 24.9 18.1 27.1
50 18.3 16.7 25.1





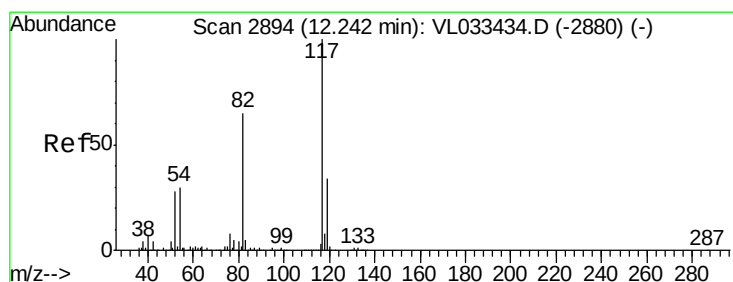
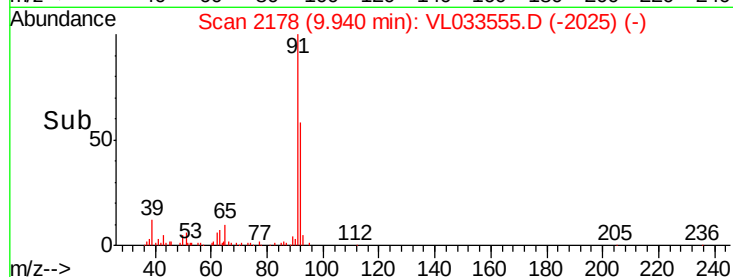
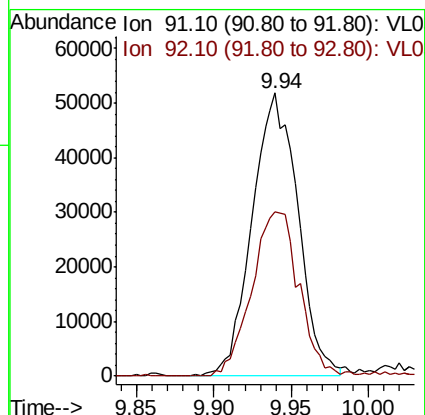
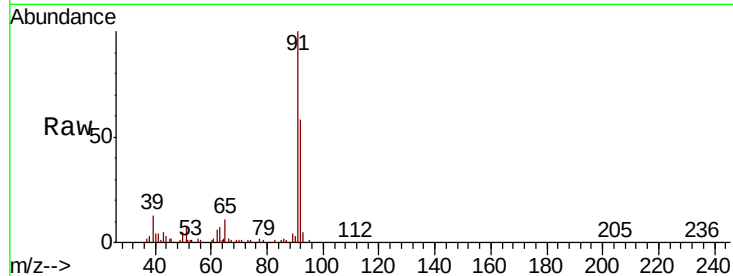
#53
Toluene
Concen: 0.324 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		106500		
92	60.4	47.4	71.0		

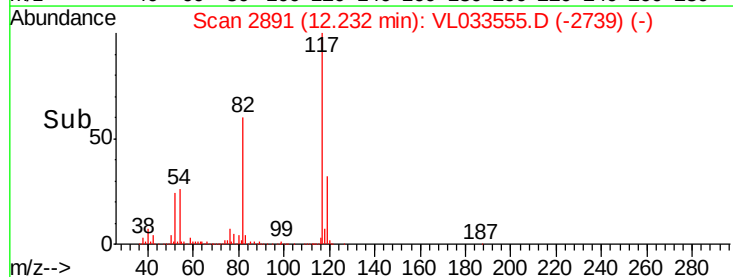
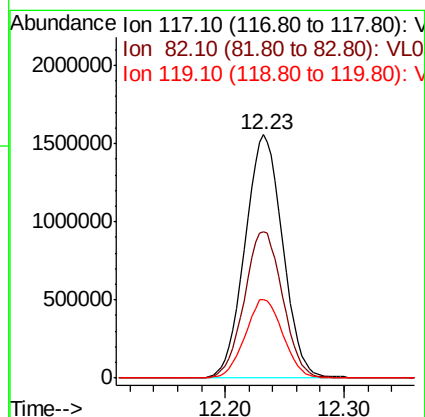
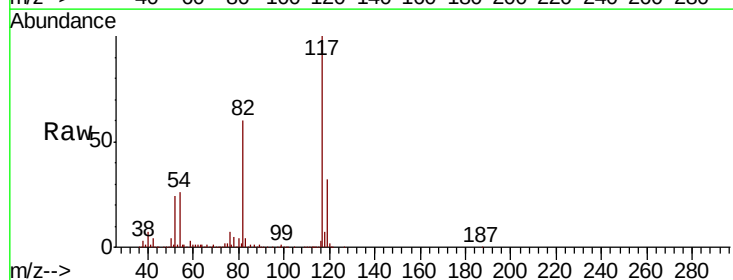
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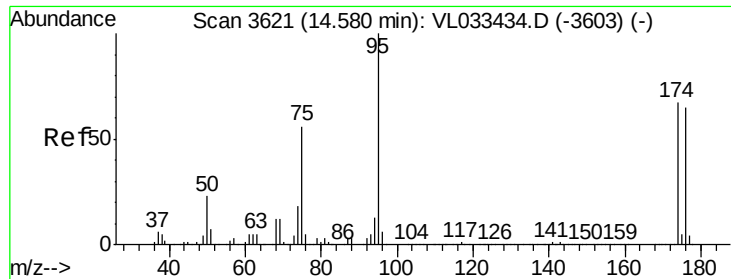
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033555.D
Acq: 5 Apr 2019 5:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		3412030		
82	61.3	51.5	77.3		
119	32.5	25.5	38.3		





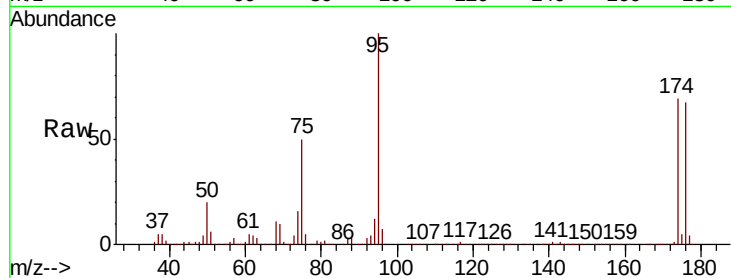
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.597 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033555.D
 Acq: 5 Apr 2019 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tot Ion: 95 Resp: 2567240
 Ion Ratio Lower Upper
 95 100
 174 70.9 52.9 79.3
 175 5.1 3.8 5.6

Manual Integrations
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 4/8/2019 3:22:33 AM



Abundance Ion 95.10 (94.80 to 95.80): VL0
 1500000 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

