

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051419\
 Data File : VL033692.D
 Acq On : 14 May 2019 15:38
 Operator : SY/AP
 Sample : K2730-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01DL

Manual Integrations
 APPROVED

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 5/16/2019 5:41:06 AM

Quant Time: May 15 22:22:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	987096	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2502561	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2746701	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2186685	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	135646m	2.496	ppbv	
10) Heptane	8.25	43	27647	0.206	ppbv	98
13) Ethanol	3.66	45	142317	8.725	ppbv	100
15) Acetone	3.89	43	4118746	28.047	ppbv	97
17) tert-Butyl alcohol	4.38	59	18049m	0.162	ppbv	
19) Isopropyl Alcohol	4.04	45	162011m	1.796	ppbv	
30) Cyclohexane	7.24	84	63984m	0.742	ppbv	
34) 2-Butanone	5.33	43	164986	1.030	ppbv	97
36) Benzene	7.00	78	58164	0.259	ppbv #	90
53) Toluene	9.94	91	90080m	0.372	ppbv	
58) Ethyl Benzene	12.86	91	35066m	0.098	ppbv	
59) m/p-Xylene	13.11	91	122687m	0.389	ppbv	
60) o-Xylene	13.84	91	67203	0.210	ppbv	97
73) 1,3,5-Trimethylbenzene	16.15	105	89231	0.246	ppbv	87
74) 1,2,4-Trimethylbenzene	16.92	105	229920	0.570	ppbv #	78

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

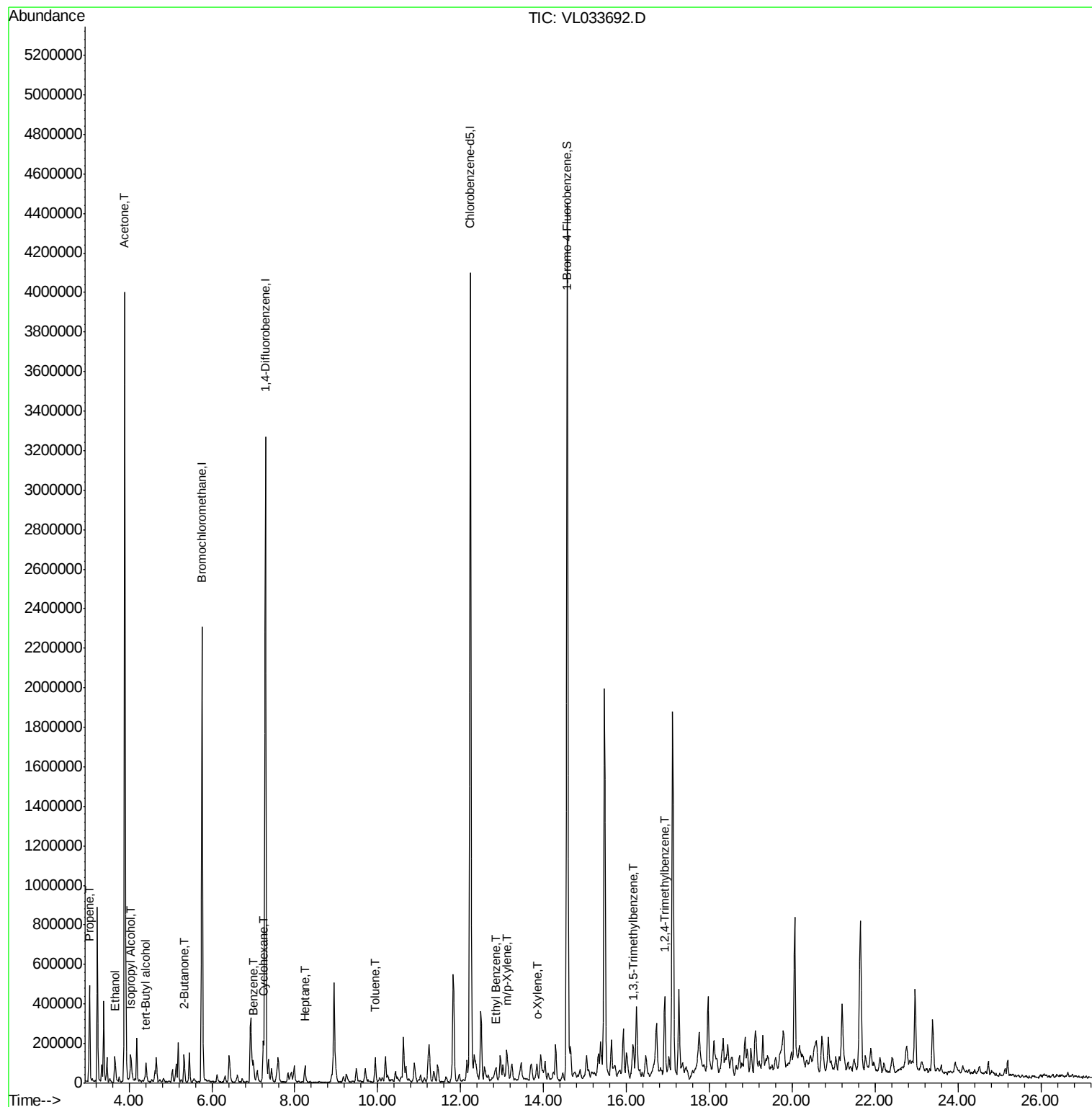
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051419\
Data File : VL033692.D
Acq On : 14 May 2019 15:38
Operator : SY/AP
Sample : K2730-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

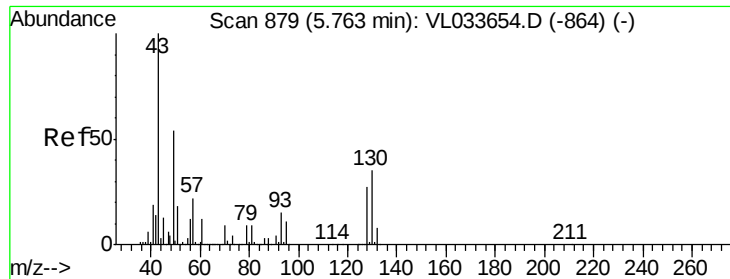
Instrument :
MSVOA_L
ClientSampleId :
SS01DL

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Quant Time: May 15 22:22:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033692.D

Acq: 14 May 2019 15:38

Instrument :

MSVOA_L

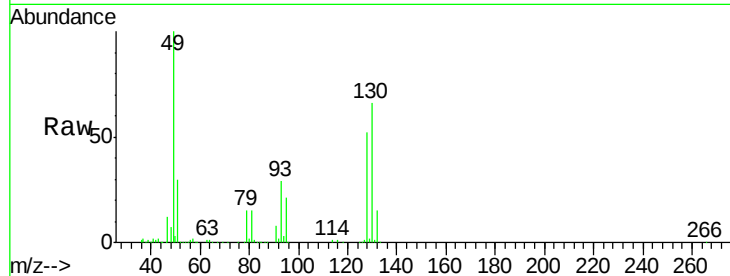
ClientSampled :

SS01DL

Tot Ion:	49	Resp:	987096
Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.8	74.3
130	67.6	32.1	96.5

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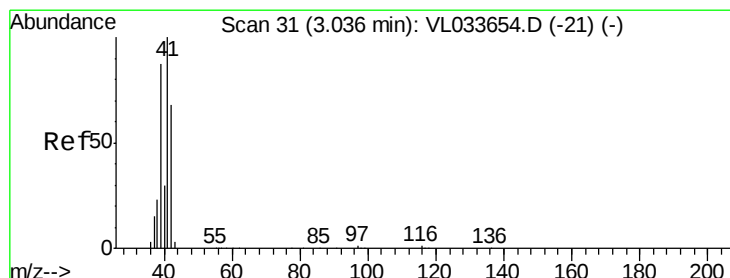
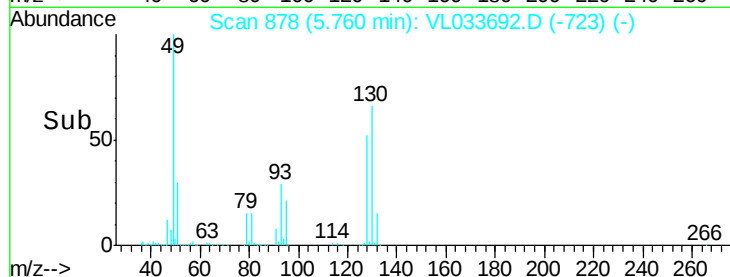
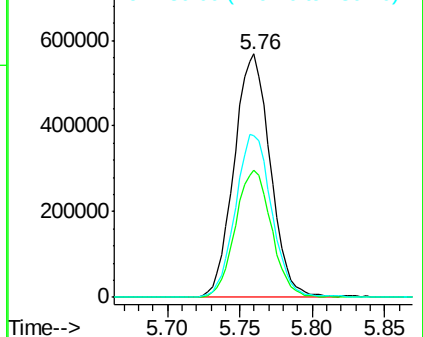
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 2.496 ppbv m

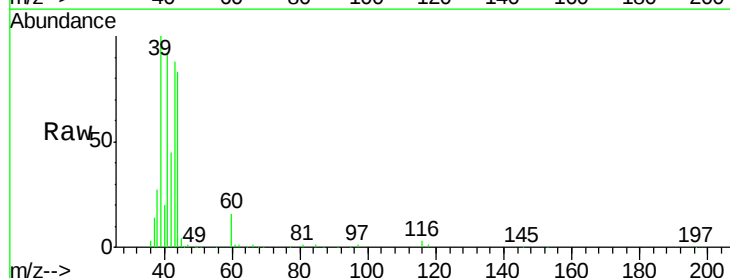
RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033692.D

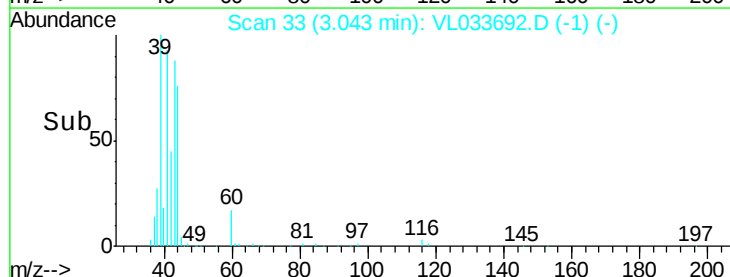
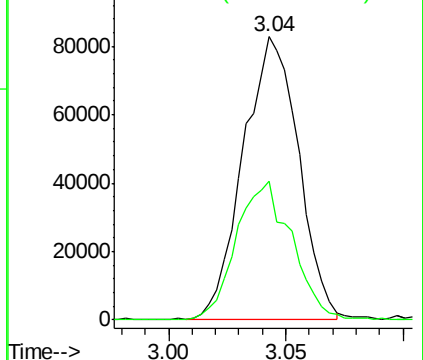
Acq: 14 May 2019 15:38

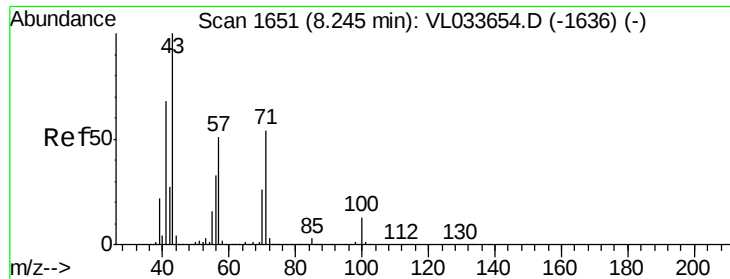
Tgt Ion:	41	Resp:	135646
Ion	Ratio	Lower	Upper
41	100		
42	113.9	55.6	83.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





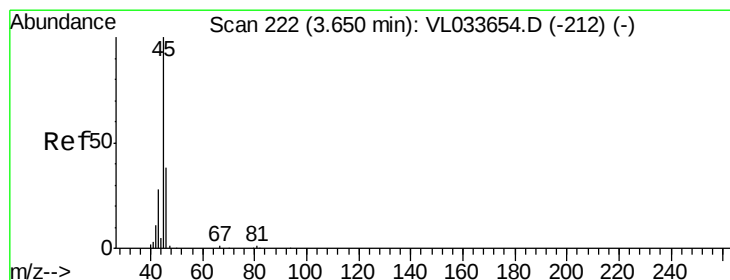
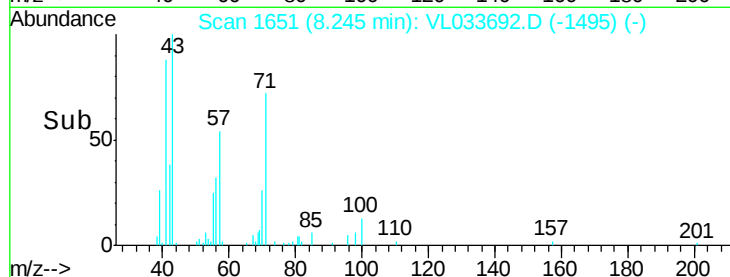
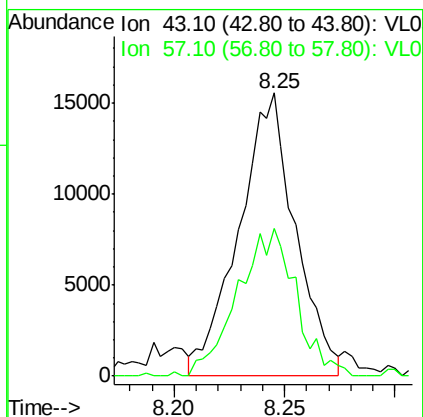
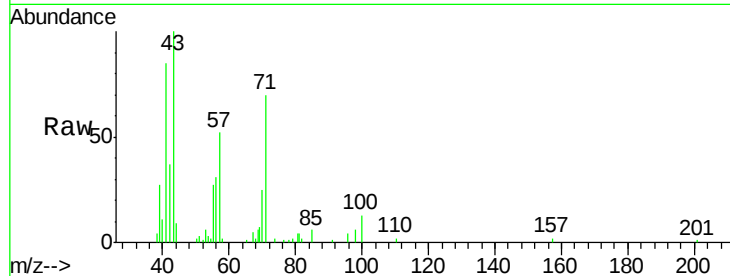
#10
Heptane
Concen: 0.206 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tot Ion: 43 Resp: 27647
Ion Ratio Lower Upper
43 100
57 53.8 41.8 62.6

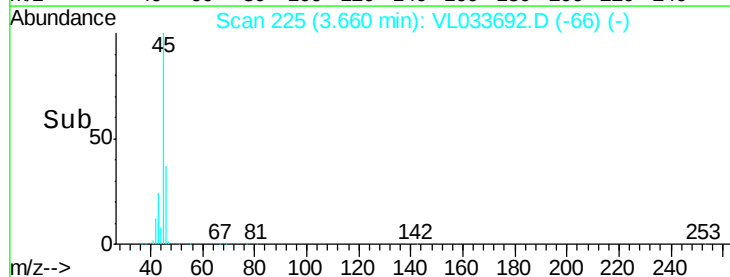
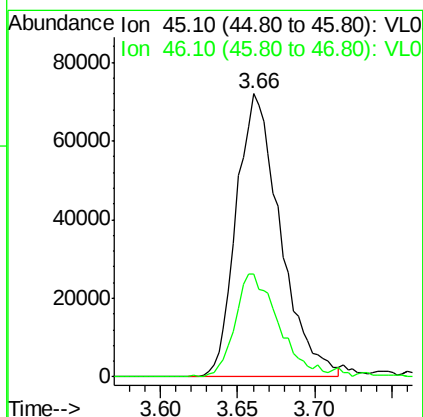
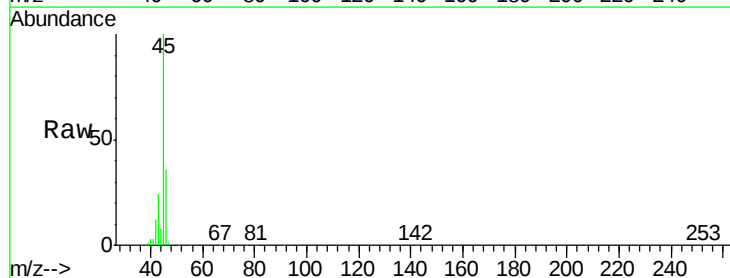
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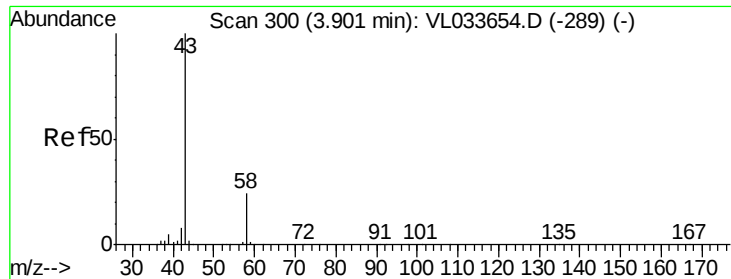
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#13
Ethanol
Concen: 8.725 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 45 Resp: 142317
Ion Ratio Lower Upper
45 100
46 37.5 14.9 59.7





#15

Acetone

Concen: 28.047 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033692.D

Acq: 14 May 2019 15:38

Instrument :

MSVOA_L

ClientSampled :

SS01DL

Tot Ion: 43 Resp: 4118746

Ion Ratio Lower Upper

43 100

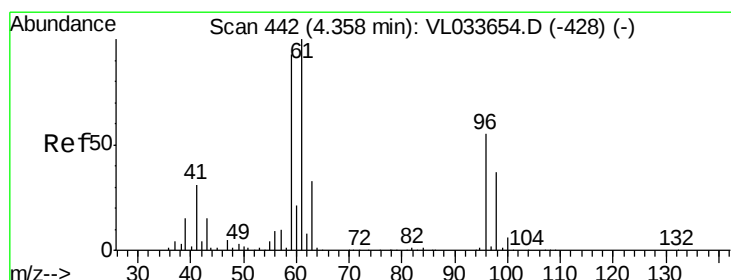
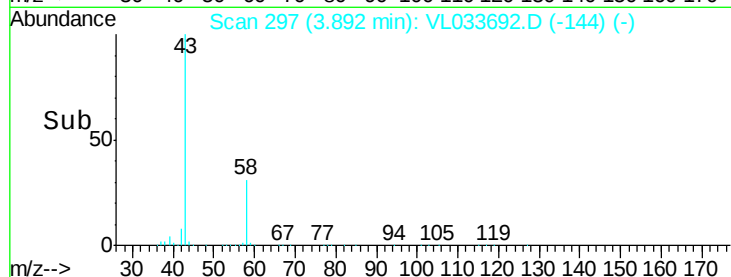
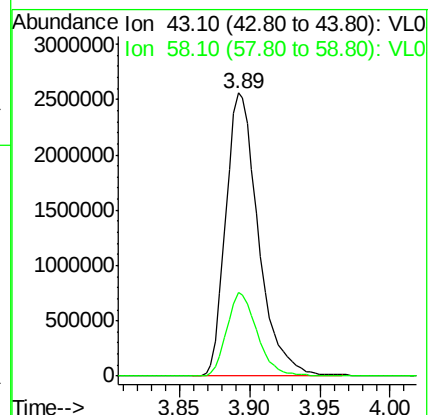
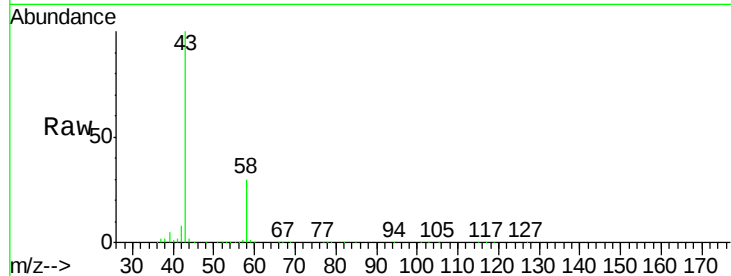
58 27.8 20.9 31.3

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#17

tert-Butyl alcohol

Concen: 0.162 ppbv m

RT: 4.38 min Scan# 449

Delta R.T. 0.02 min

Lab File: VL033692.D

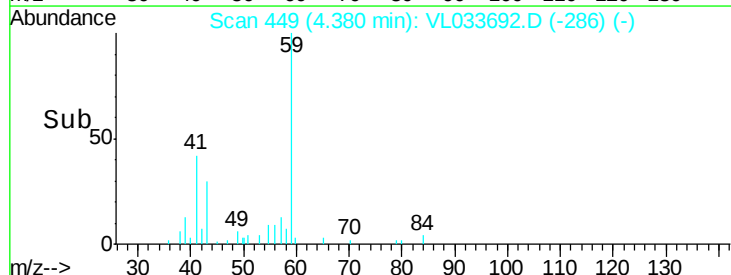
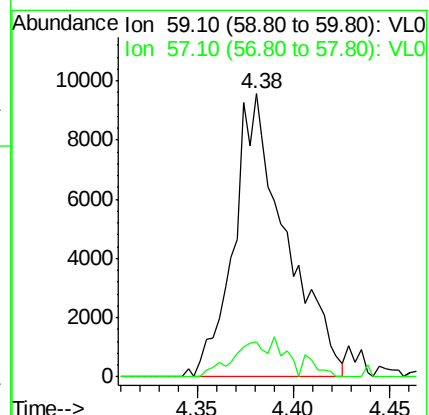
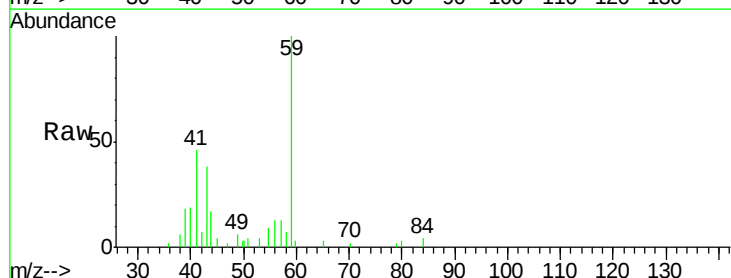
Acq: 14 May 2019 15:38

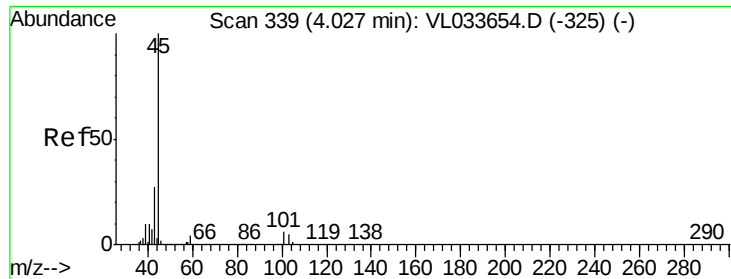
Tgt Ion: 59 Resp: 18049

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 1.796 ppbv m

RT: 4.04 min Scan# 343

Delta R.T. 0.01 min

Lab File: VL033692.D

Acq: 14 May 2019 15:38

Instrument :

MSVOA_L

ClientSampleId :

SS01DL

Tot Ion: 45 Resp: 162011

Ion Ratio Lower Upper

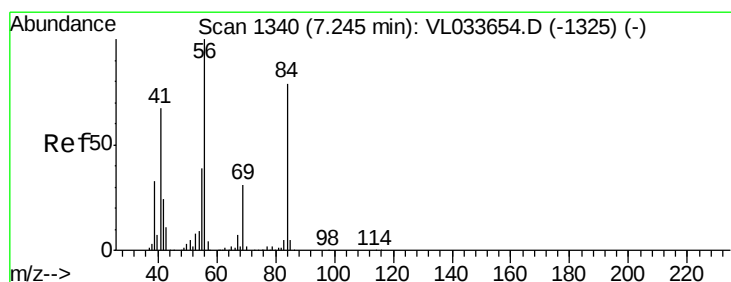
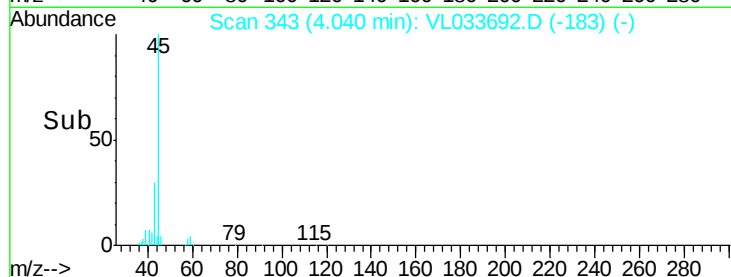
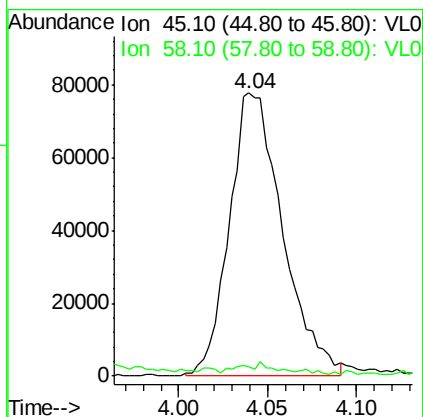
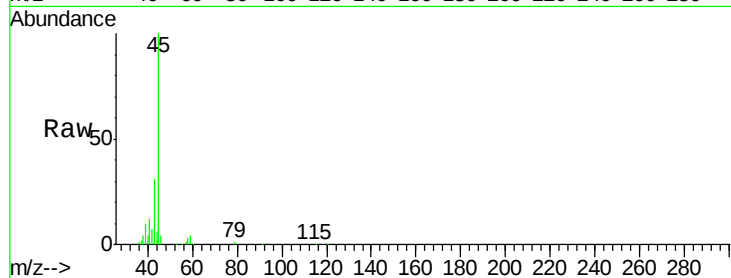
45 100

58 0.0 2.0 3.0#

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#30

Cyclohexane

Concen: 0.742 ppbv m

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL033692.D

Acq: 14 May 2019 15:38

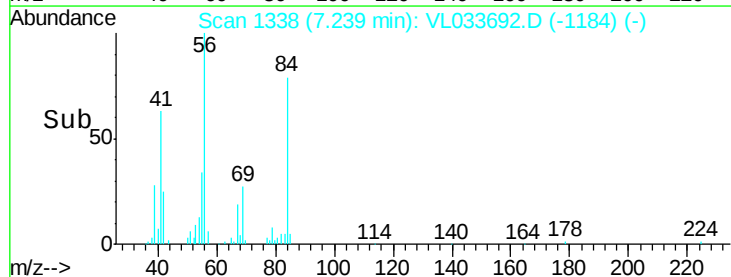
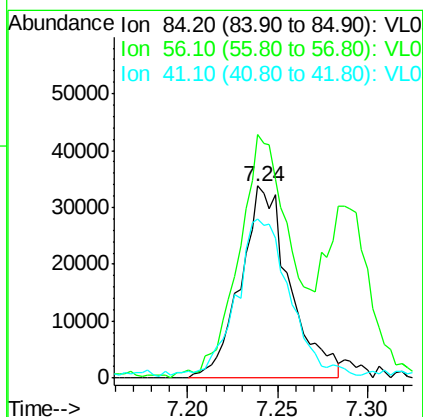
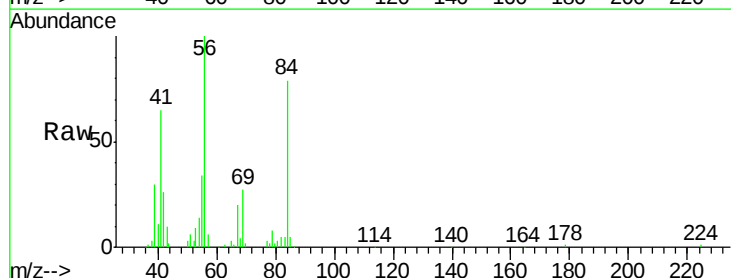
Tgt Ion: 84 Resp: 63984

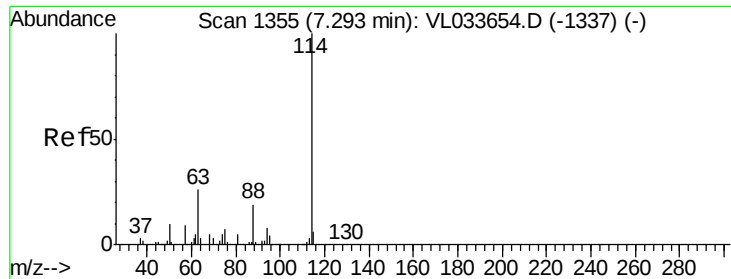
Ion Ratio Lower Upper

84 100

56 133.9 107.0 160.4

41 90.7 66.6 99.8





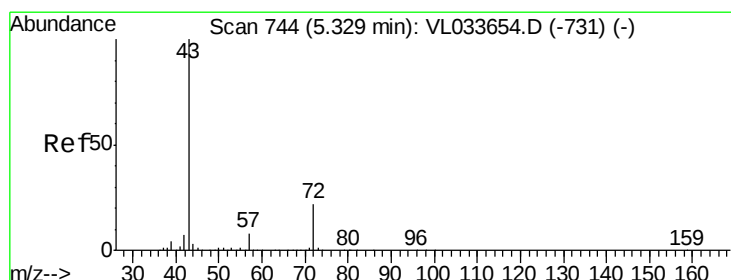
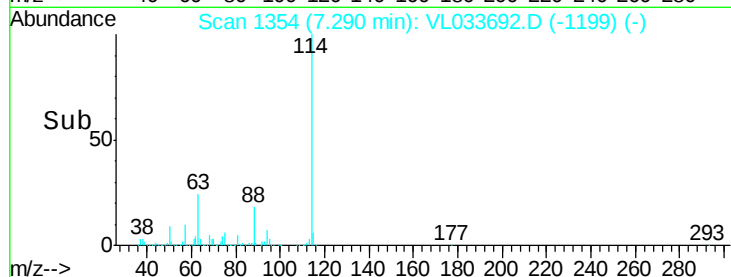
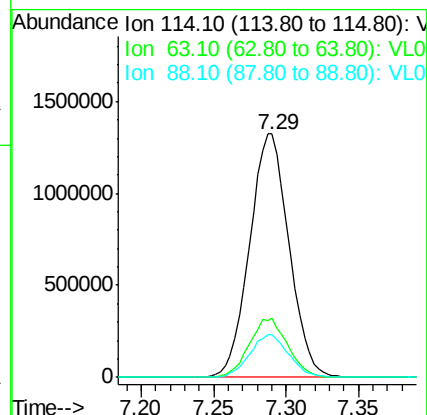
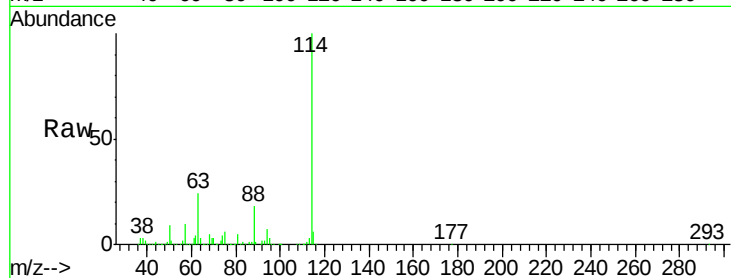
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033692.D
 Acq: 14 May 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	21.3	31.9
88	17.3	14.4	21.6

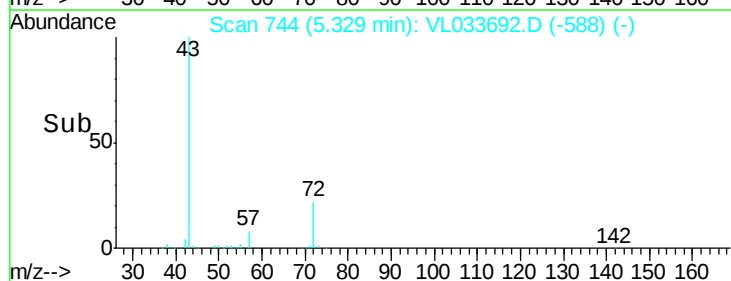
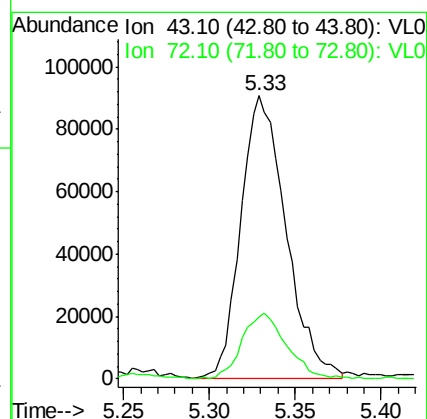
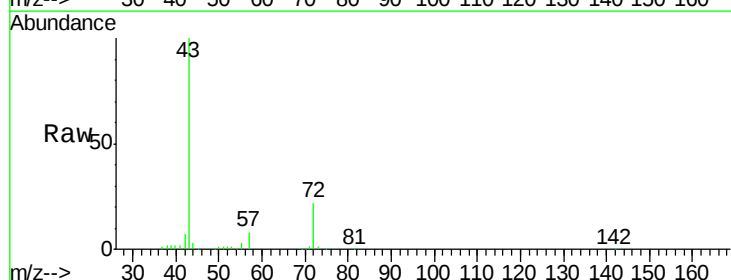
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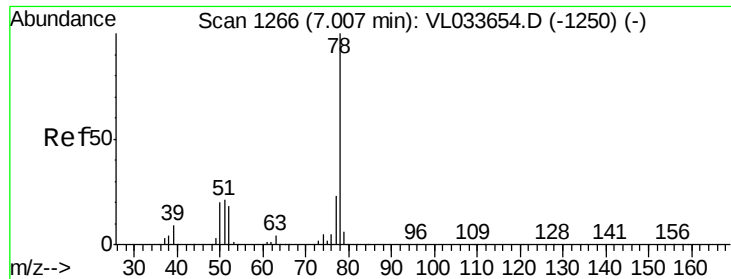
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#34
 2-Butanone
 Concen: 1.030 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033692.D
 Acq: 14 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.5	26.3





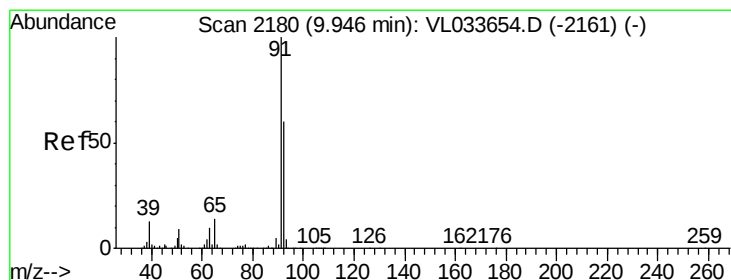
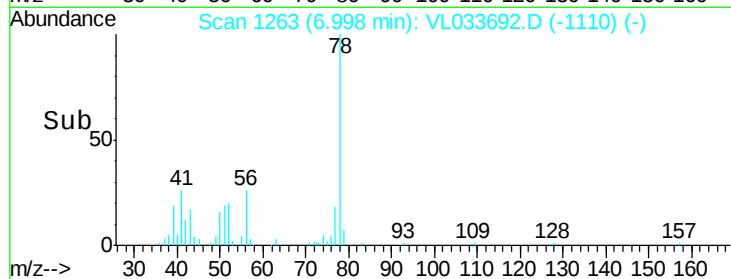
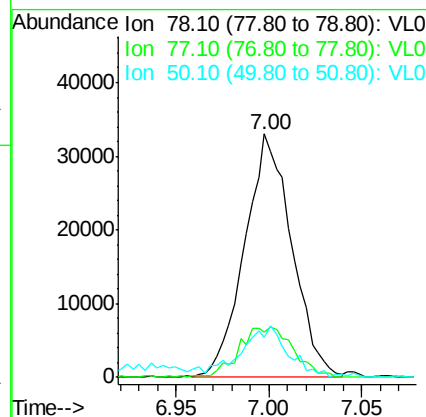
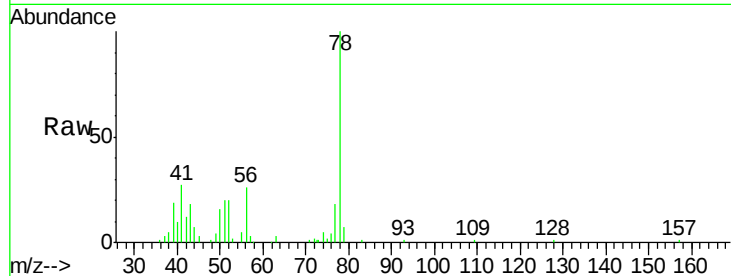
#36
Benzene
Concen: 0.259 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.3	18.2	27.2
50	15.1	15.8	23.6

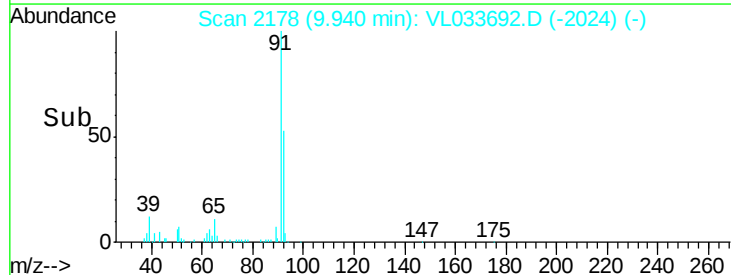
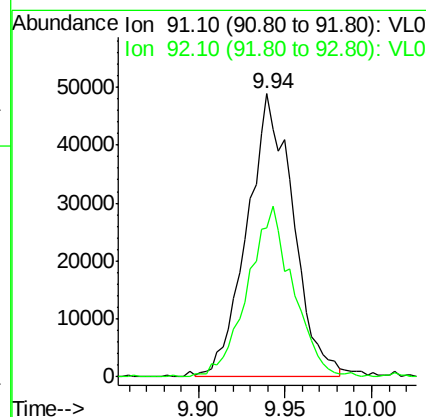
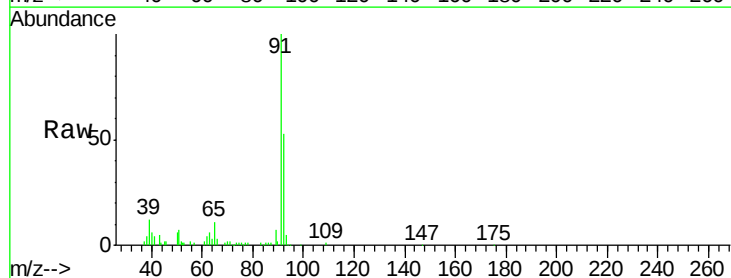
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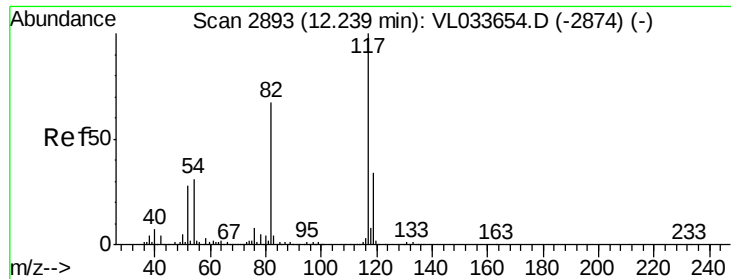
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#53
Toluene
Concen: 0.372 ppbv m
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.7	71.5





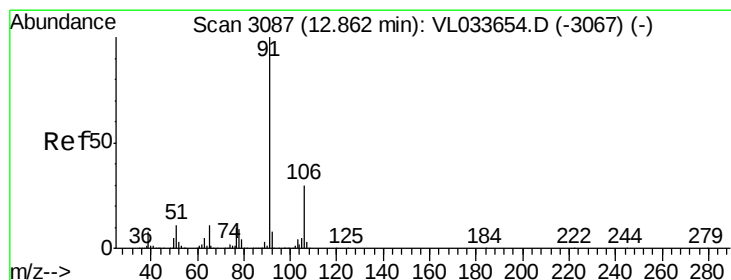
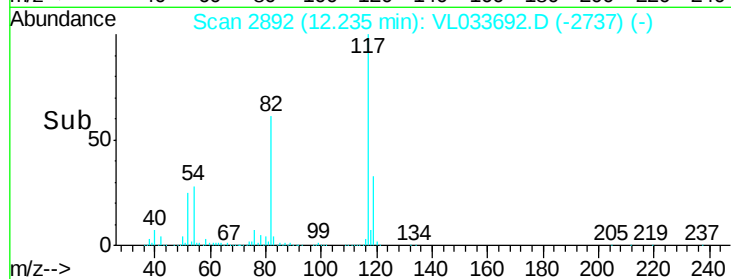
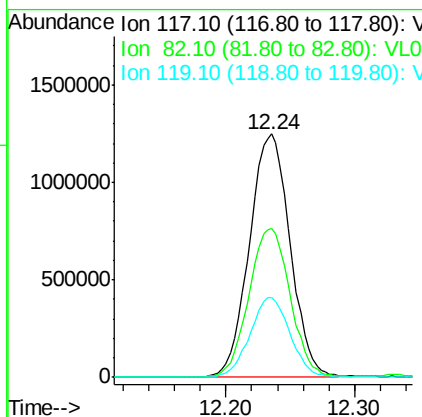
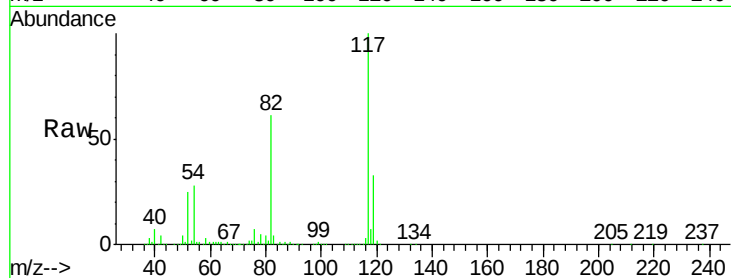
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampleId :
SS01DL

Tot Ion:117 Resp: 2746701
Ion Ratio Lower Upper
117 100
82 62.2 49.7 74.5
119 32.4 24.8 37.2

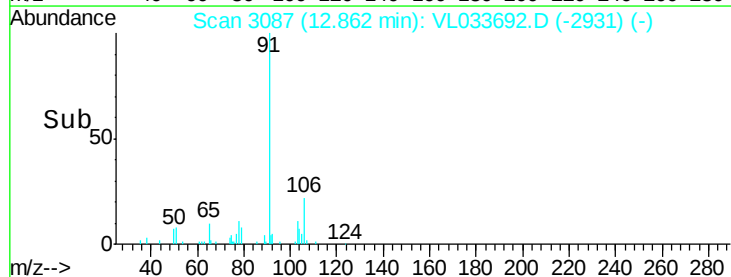
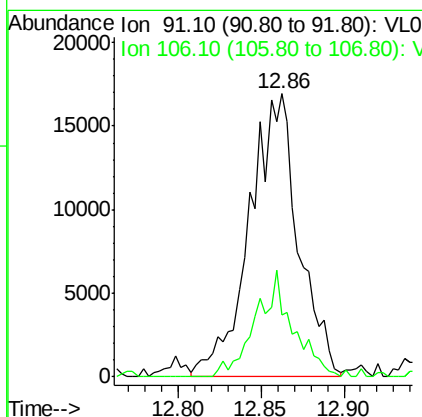
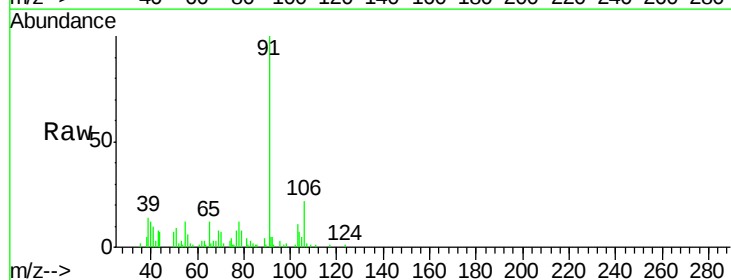
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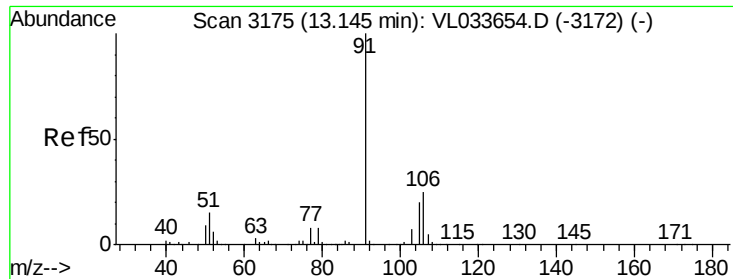
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#58
Ethyl Benzene
Concen: 0.098 ppbv m
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 91 Resp: 35066
Ion Ratio Lower Upper
91 100
106 21.7 23.7 35.5#





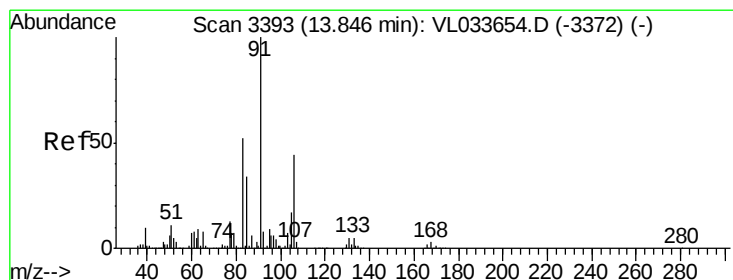
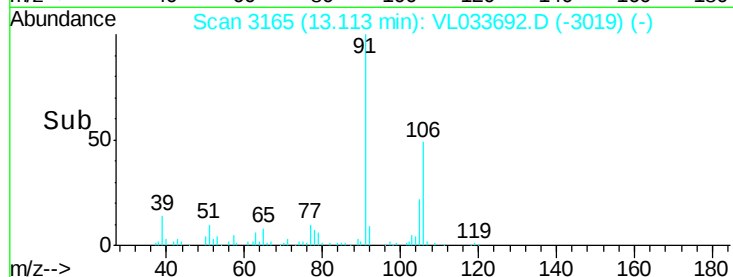
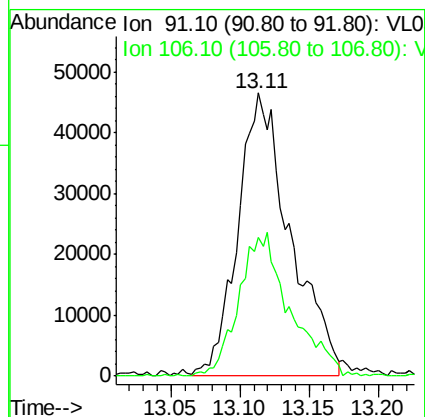
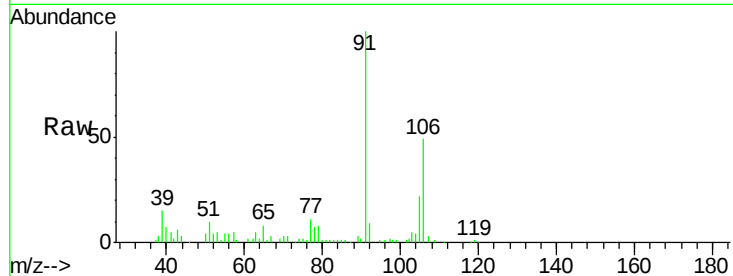
#59
m/p-Xylene
Concen: 0.389 ppbv m
RT: 13.11 min Scan# 3165
Delta R.T. -0.03 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Instrument :
MSVOA_L
ClientSampled :
SS01DL

Tot Ion: 91 Resp: 122687
Ion Ratio Lower Upper
91 100
106 0.0 36.2 54.2#

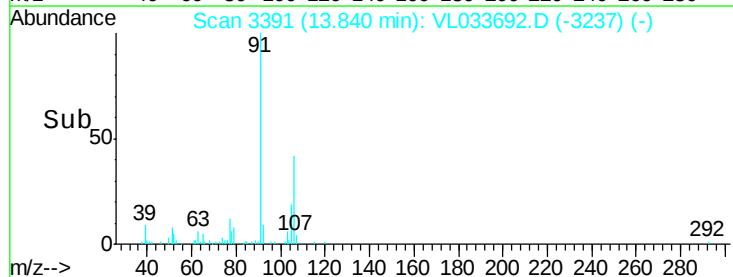
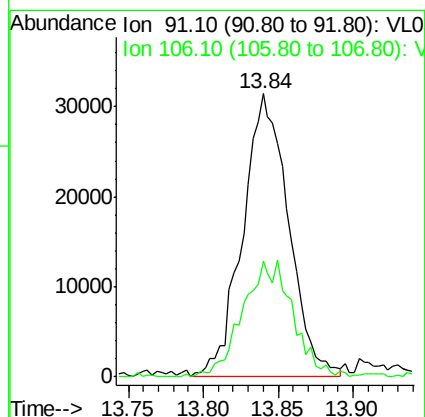
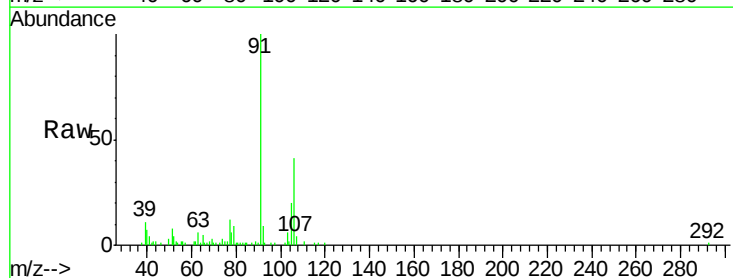
Manual Integrations
APPROVED

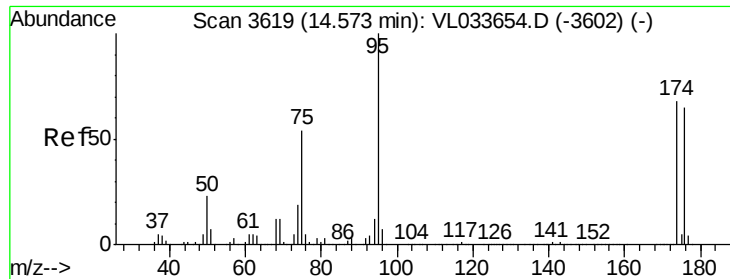
MMDadoda
5/16/2019 5:41:06 AM



#60
o-Xylene
Concen: 0.210 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033692.D
Acq: 14 May 2019 15:38

Tgt Ion: 91 Resp: 67203
Ion Ratio Lower Upper
91 100
106 45.1 21.7 65.1





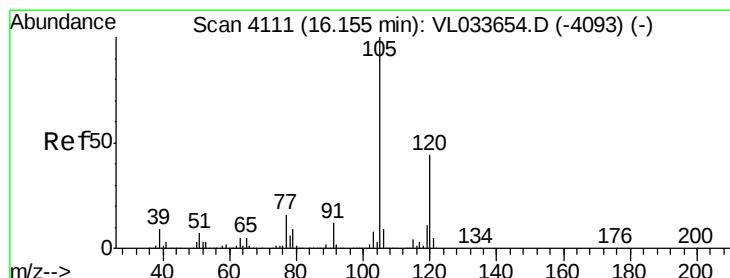
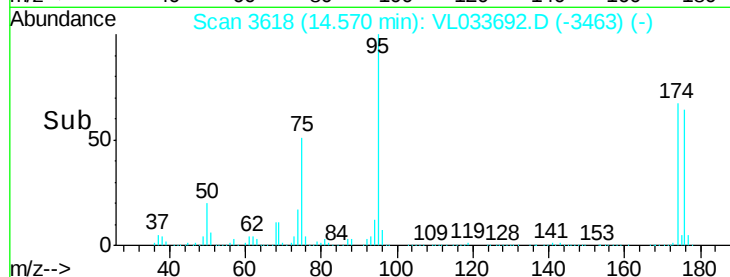
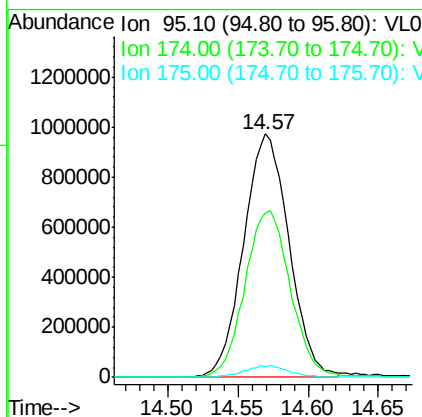
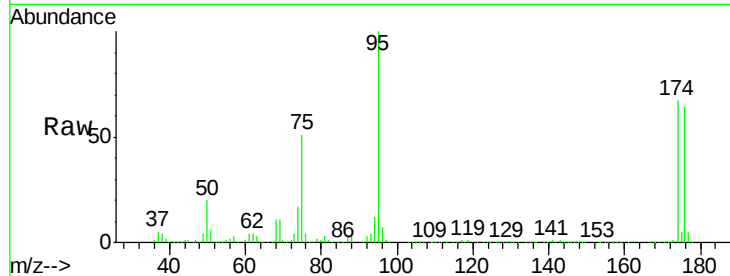
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.712 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL033692.D
 Acq: 14 May 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleID :
 SS01DL

Tot Ion: 95 Resp: 218685
 Ion Ratio Lower Upper
 95 100
 174 69.6 54.0 81.0
 175 5.0 3.8 5.8

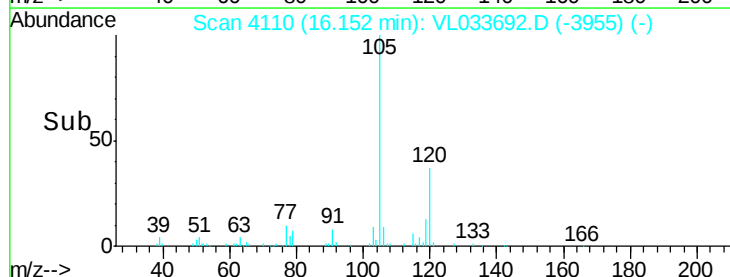
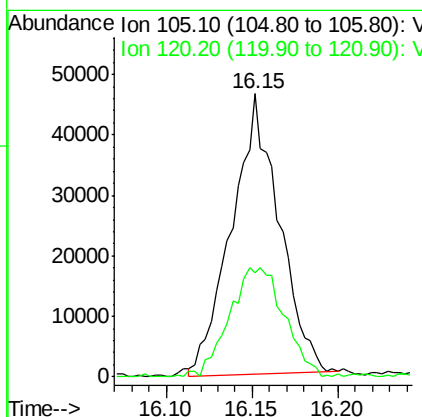
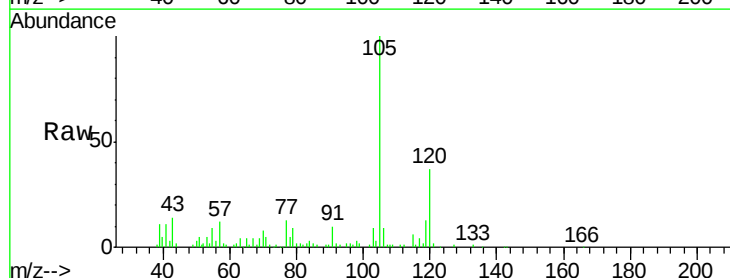
Manual Integrations
 APPROVED

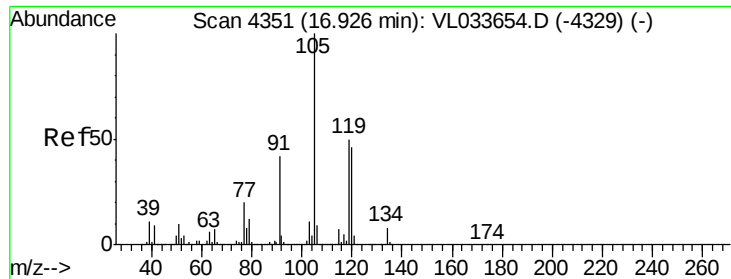
MMDadoda
 5/16/2019 5:41:06 AM



#73
 1,3,5-Trimethylbenzene
 Concen: 0.246 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.00 min
 Lab File: VL033692.D
 Acq: 14 May 2019 15:38

Tgt Ion: 105 Resp: 89231
 Ion Ratio Lower Upper
 105 100
 120 36.1 35.5 53.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.570 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033692.D
 Acq: 14 May 2019 15:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01DL

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	43.8	36.5	54.7
91	11.7	33.7	50.5#
77	15.1	16.3	24.5#

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:06 AM

