

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033912.D
 Acq On : 14 Jun 2019 00:50
 Operator : SY/AP
 Sample : K3357-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1DL

Manual Integrations
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MMDadoda
 6/17/2019 12:37:20 AM

Quant Time: Jun 14 14:02:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1077327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2456226	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2527797	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1828395	8.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.10%

Target Compounds					Ovalue
9) Propene	3.03	41	51859	1.093 ppbv	96
10) Heptane	8.23	43	18357	0.153 ppbv	97
13) Ethanol	3.64	45	49144	3.183 ppbv	98
15) Acetone	3.89	43	8226564	52.357 ppbv #	89
17) tert-Butyl alcohol	4.35	59	324193	2.639 ppbv	99
19) Isopropyl Alcohol	4.02	45	345111	3.845 ppbv #	94
27) Carbon Disulfide	4.61	76	41507	0.274 ppbv #	79
34) 2-Butanone	5.32	43	618293	4.462 ppbv	99
36) Benzene	6.99	78	36044	0.192 ppbv #	91
38) Trichloroethene	7.95	130	2815	0.039 ppbv #	33
41) Tetrahydrofuran	6.15	42	39360	0.560 ppbv	98
44) 2,2,4-Trimethylpentane	7.98	57	32300m	0.097 ppbv	
51) 2-Hexanone	10.27	43	42786m	0.265 ppbv	
52) Tetrachloroethene	11.35	164	22686m	0.344 ppbv	
53) Toluene	9.93	91	100508	0.484 ppbv	99
72) 4-Ethyltoluene	15.98	105	69221m	0.227 ppbv	
73) 1,3,5-Trimethylbenzene	16.14	105	44955	0.150 ppbv	94
74) 1,2,4-Trimethylbenzene	16.91	105	112933	0.327 ppbv #	73

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

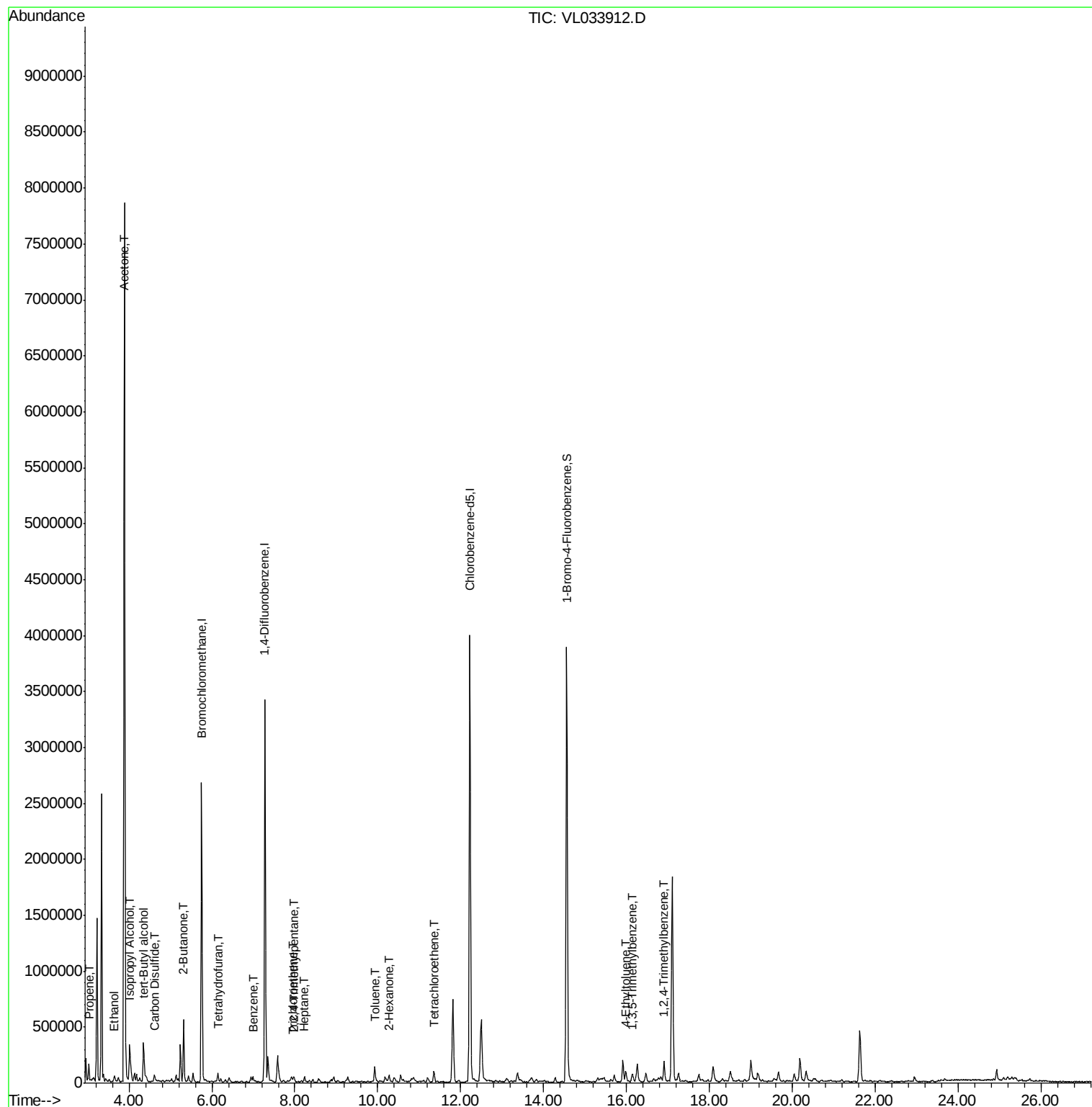
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033912.D
Acq On : 14 Jun 2019 00:50
Operator : SY/AP
Sample : K3357-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

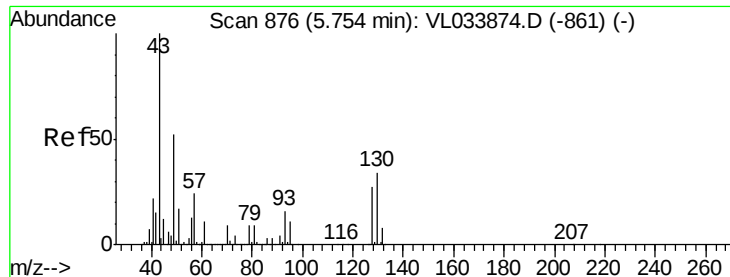
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Manual Integrations
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6/17/2019 12:37:20 AM

Quant Time: Jun 14 14:02:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion: 49 Resp: 1077327

Ion Ratio Lower Upper

49 100

128 53.2 25.5 76.5

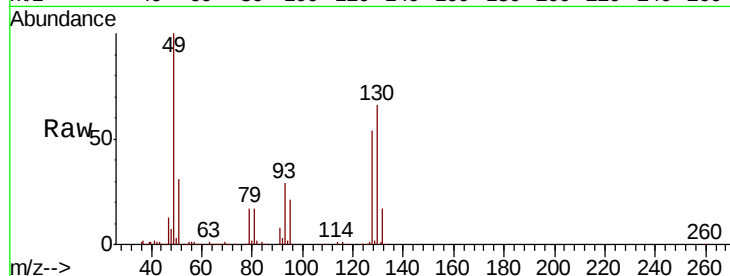
130 67.7 32.5 97.4

Manual Integrations

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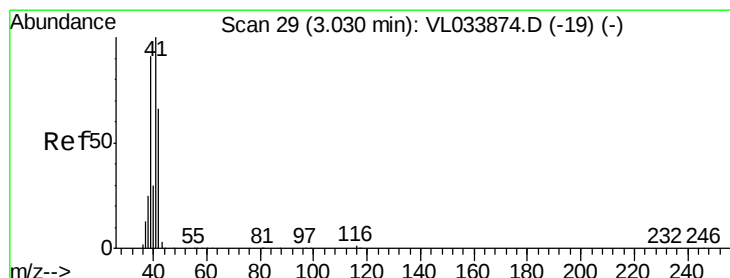
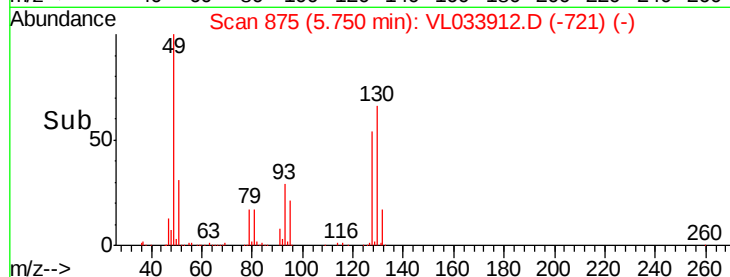
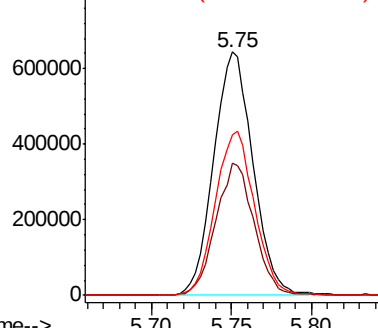
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.093 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033912.D

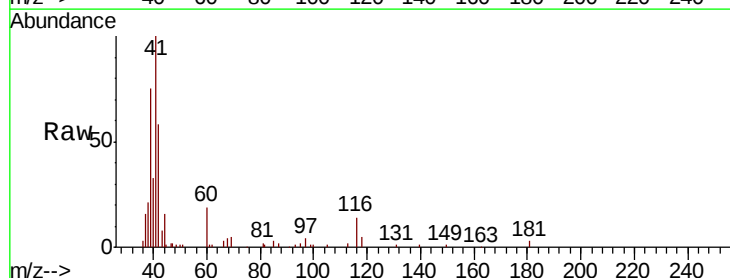
Acq: 14 Jun 2019 00:50

Tgt Ion: 41 Resp: 51859

Ion Ratio Lower Upper

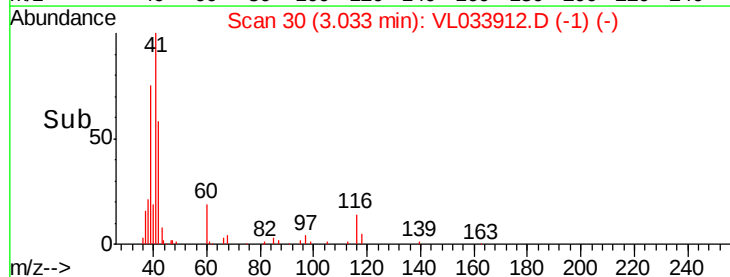
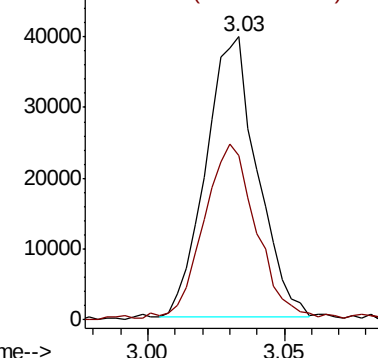
41 100

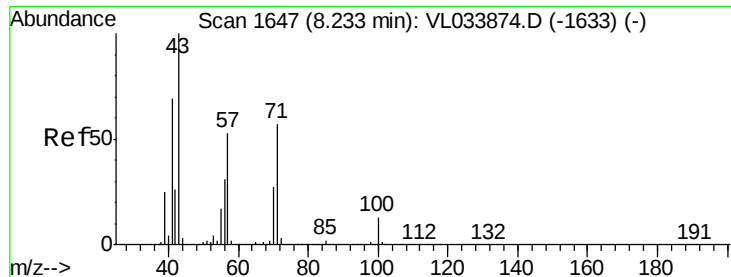
42 67.4 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





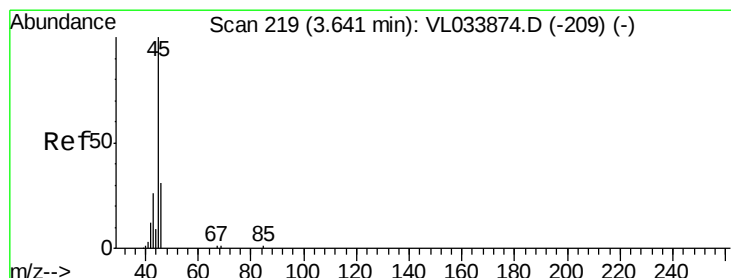
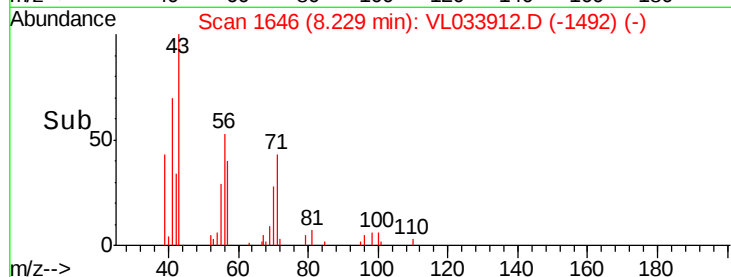
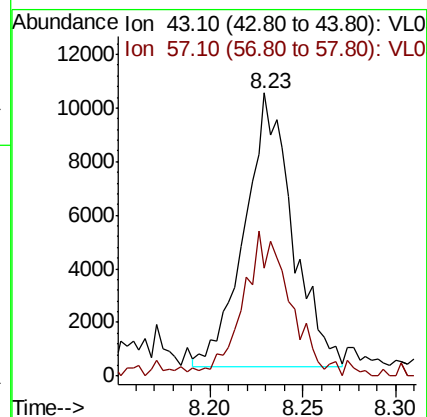
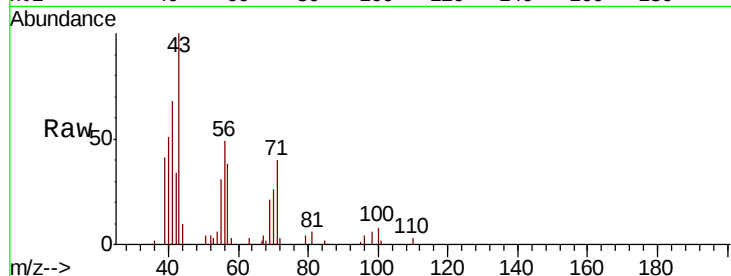
#10
Heptane
Concen: 0.153 ppbv
RT: 8.23 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Tot Ion: 43 Resp: 18357
Ion Ratio Lower Upper
43 100
57 54.1 41.7 62.5

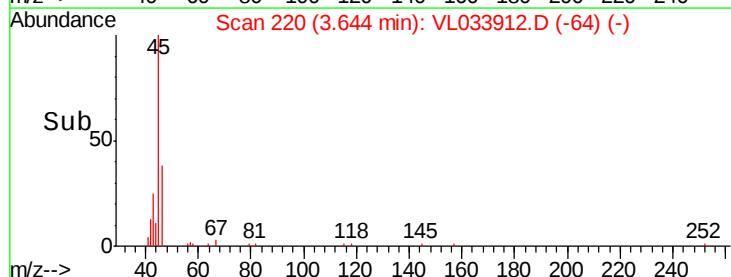
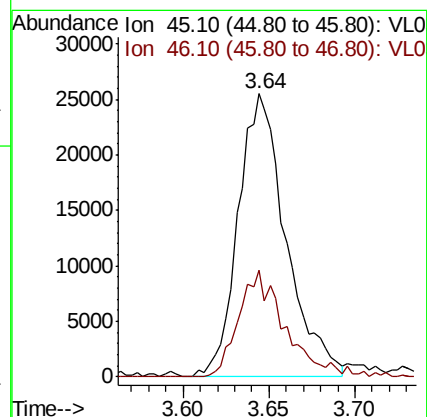
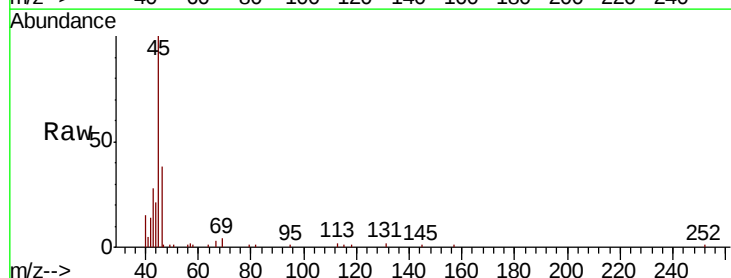
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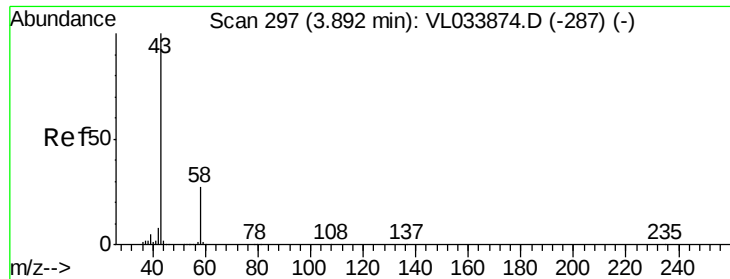
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#13
Ethanol
Concen: 3.183 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Tgt Ion: 45 Resp: 49144
Ion Ratio Lower Upper
45 100
46 36.7 15.3 61.1





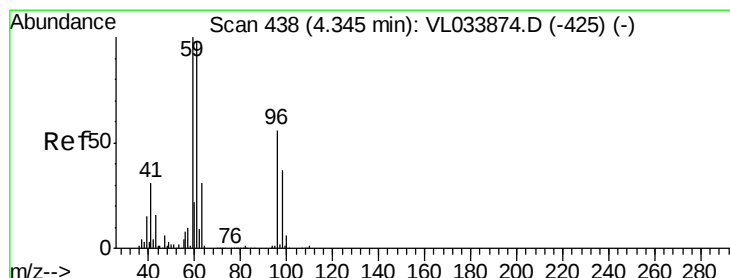
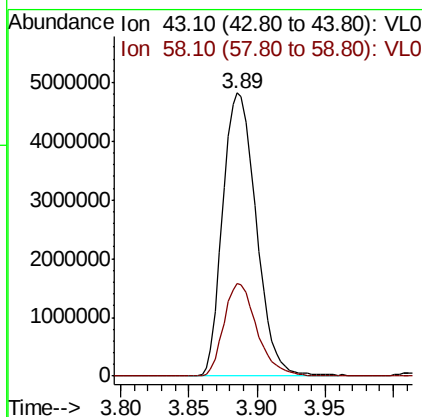
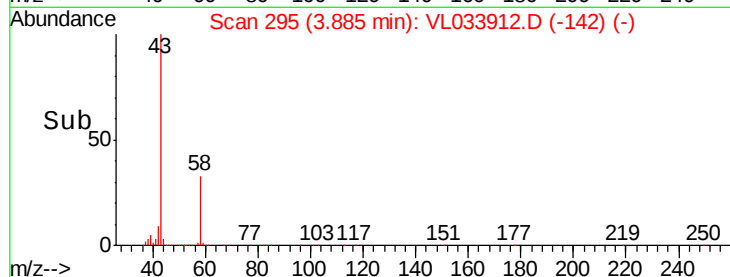
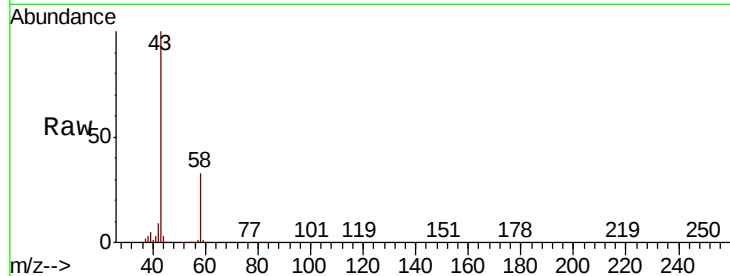
#15
Acetone
Concen: 52.357 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Tot Ion: 43 Resp: 8226564
Ion Ratio Lower Upper
43 100
58 32.4 21.3 31.9#

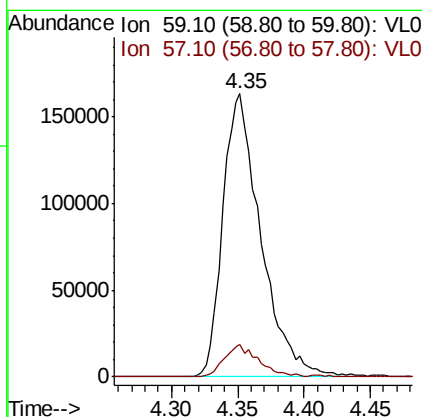
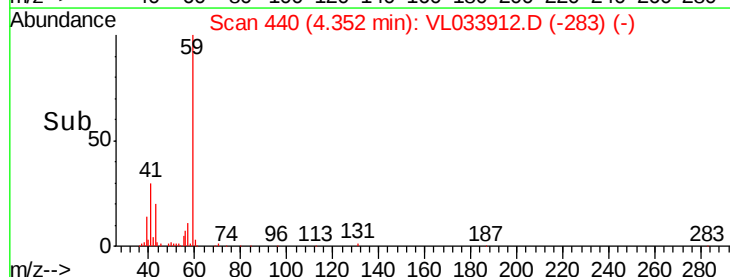
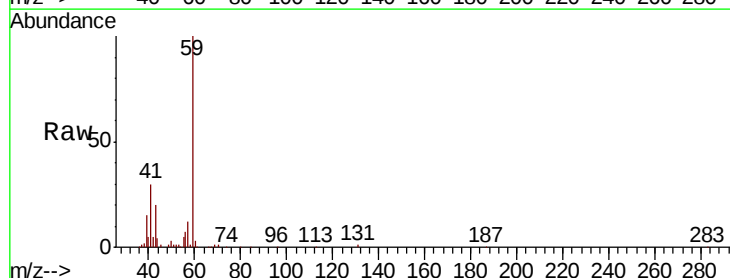
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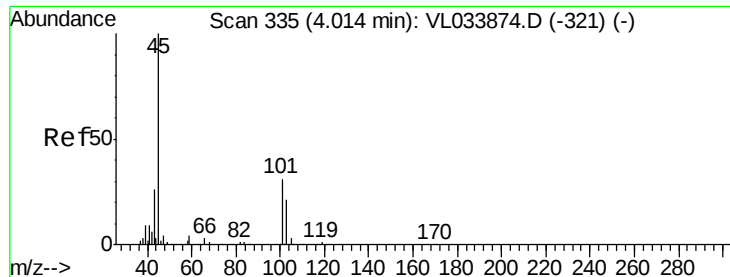
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#17
tert-Butyl alcohol
Concen: 2.639 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Tgt Ion: 59 Resp: 324193
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6





#19

Isopropyl Alcohol

Concen: 3.845 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion: 45 Resp: 345111

Ion Ratio Lower Upper

45 100

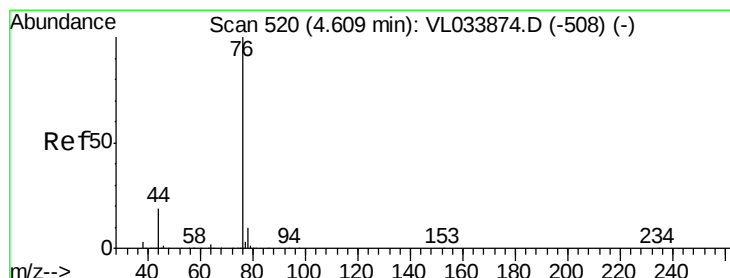
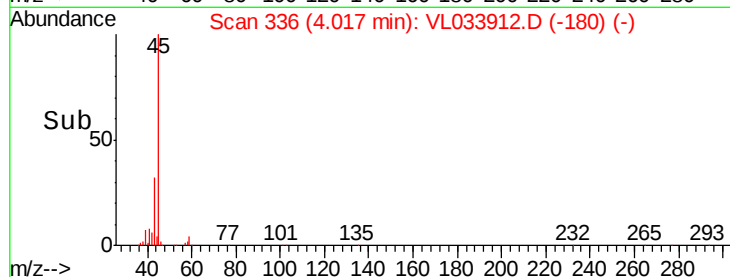
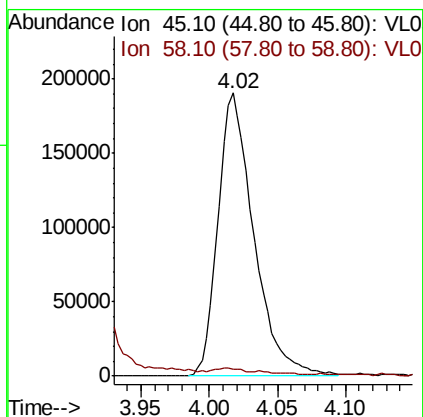
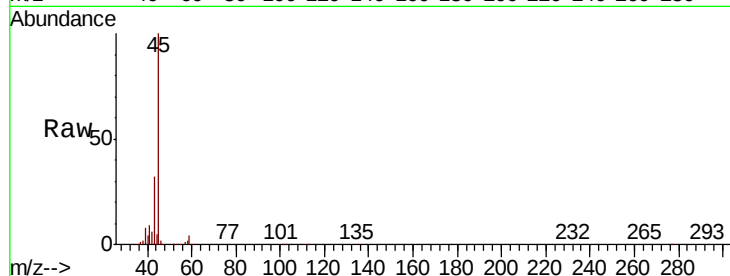
58 0.0 1.8 2.6#

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#27

Carbon Disulfide

Concen: 0.274 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

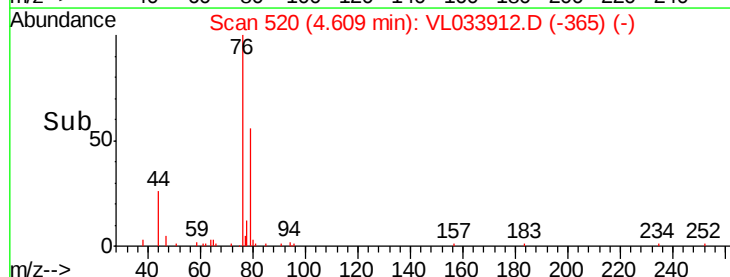
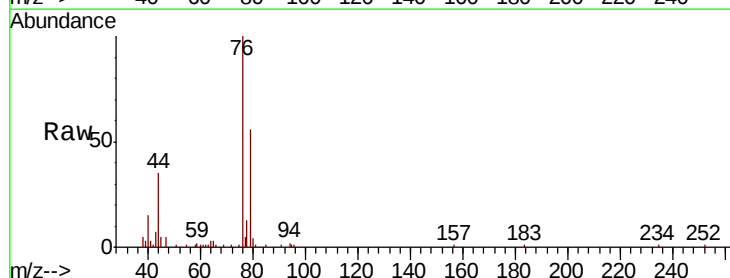
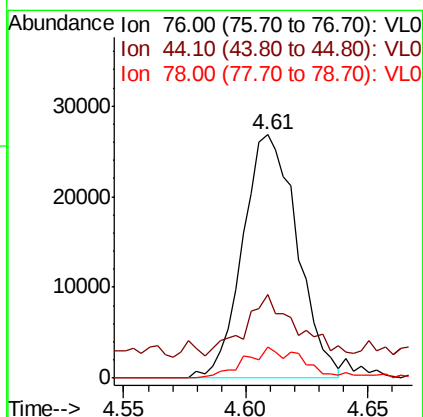
Tgt Ion: 76 Resp: 41507

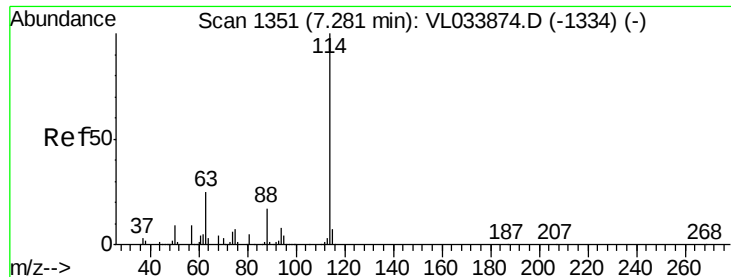
Ion Ratio Lower Upper

76 100

44 29.1 14.4 21.6#

78 14.4 7.5 11.3#





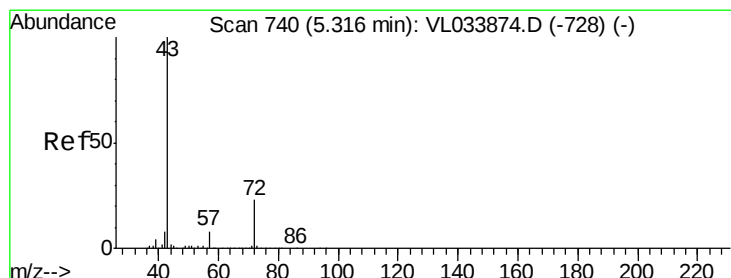
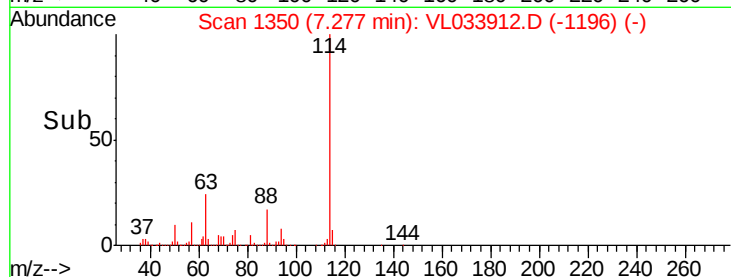
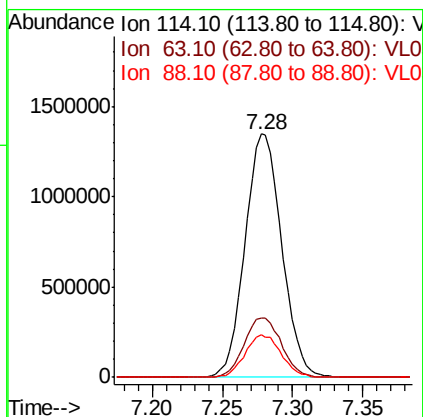
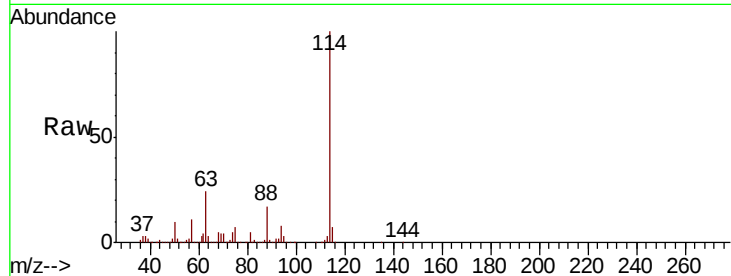
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033912.D
 Acq: 14 Jun 2019 00:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.1	31.7
88	17.4	14.2	21.4

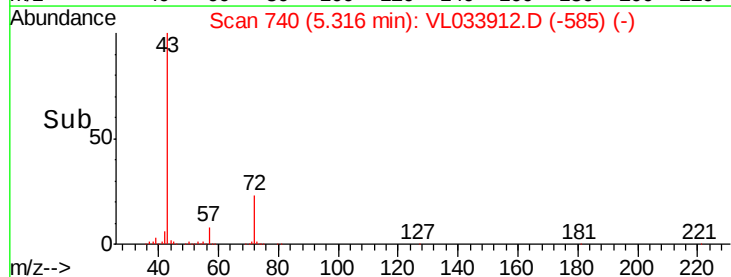
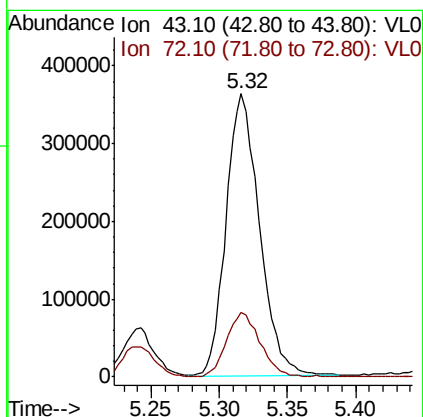
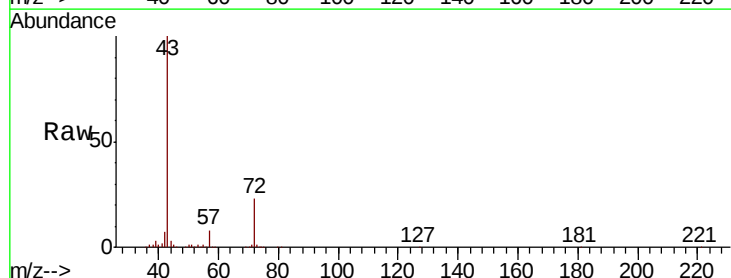
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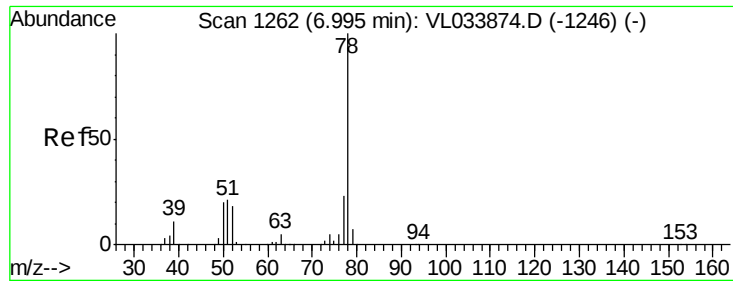
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#34
 2-Butanone
 Concen: 4.462 ppbv
 RT: 5.32 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VL033912.D
 Acq: 14 Jun 2019 00:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.9	26.9





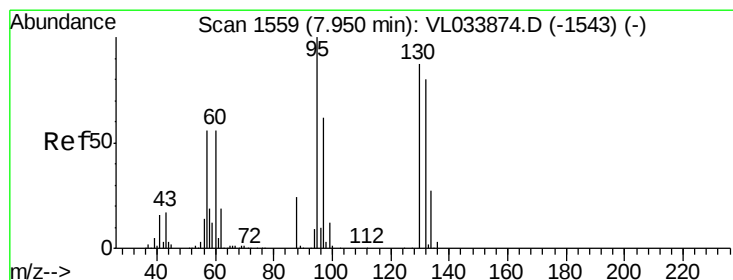
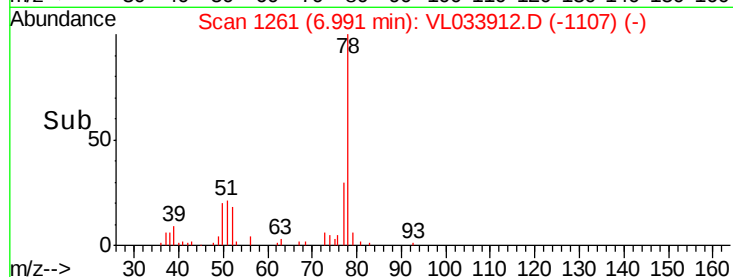
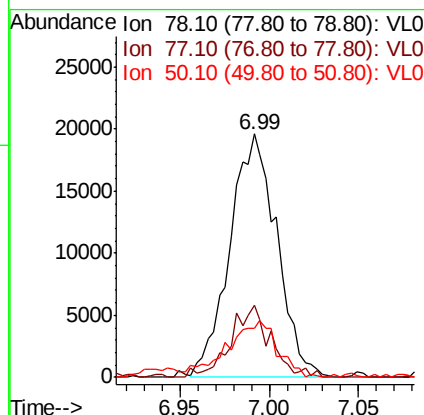
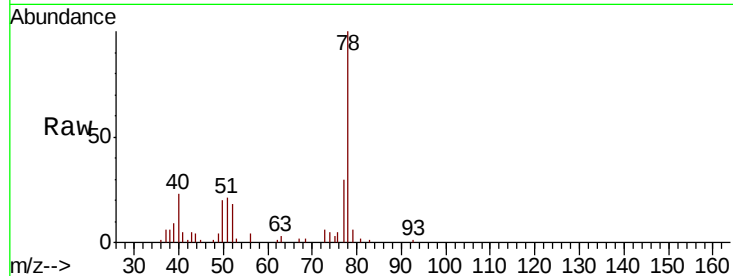
#36
Benzene
Concen: 0.192 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	29.5	18.2	27.2#
50	18.3	15.9	23.9

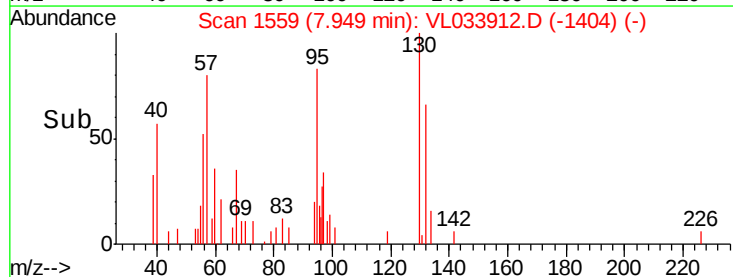
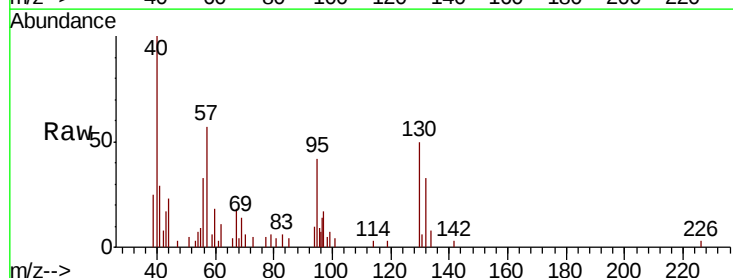
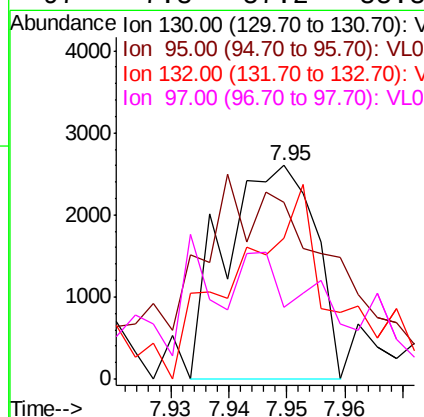
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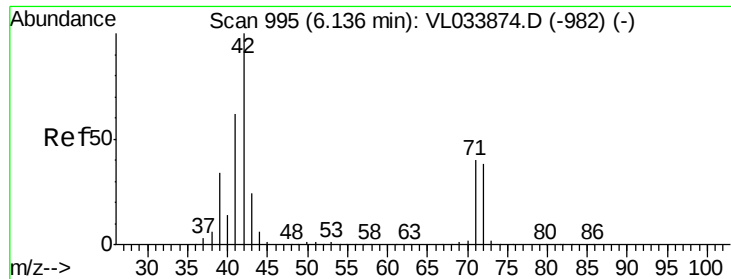
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#38
Trichloroethene
Concen: 0.039 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	43.1	92.0	138.0#
132	34.4	73.8	110.8#
97	7.8	57.2	85.8#





#41

Tetrahydrofuran

Concen: 0.560 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.01 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Instrument :

MSVOA_L

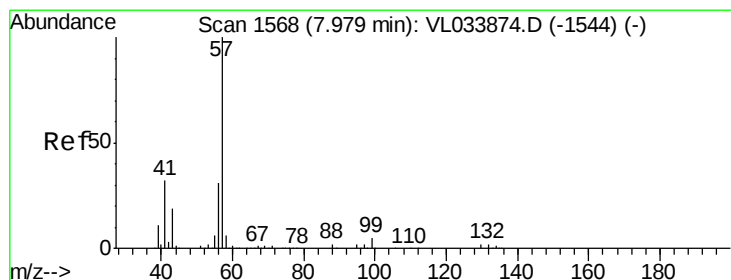
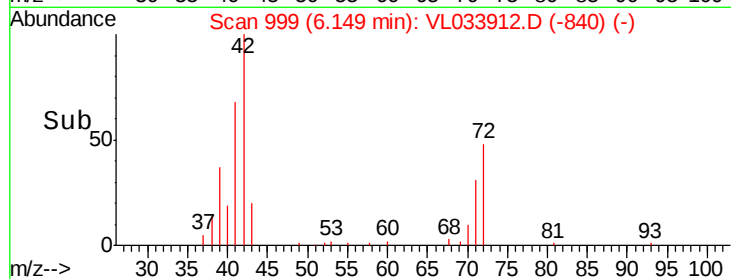
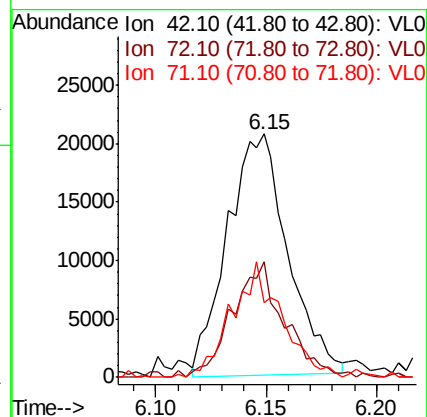
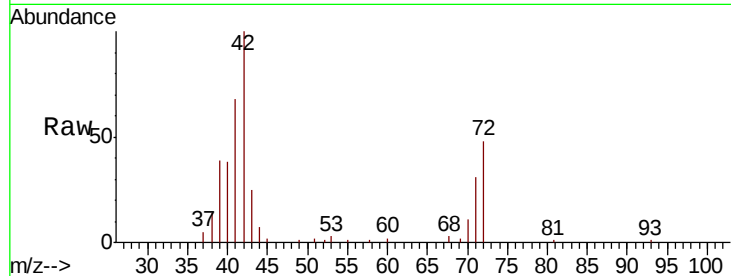
ClientSampleId :

SG-3R-20190612-1DL

Tot Ion:	42	Resp:	39360
Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.2	48.4
71	40.1	31.7	47.5

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#44

2,2,4-Trimethylpentane

Concen: 0.097 ppbv m

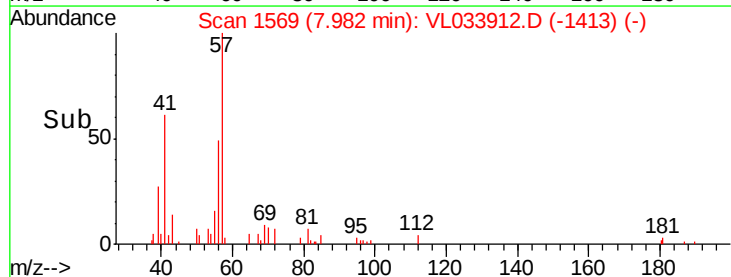
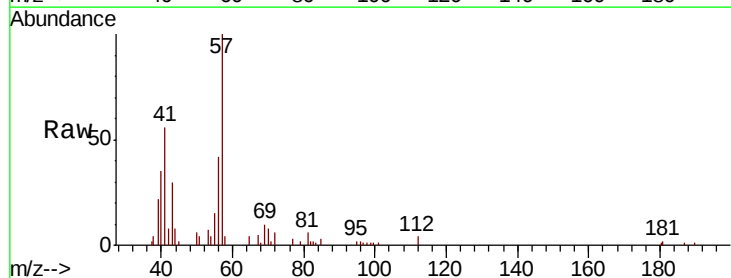
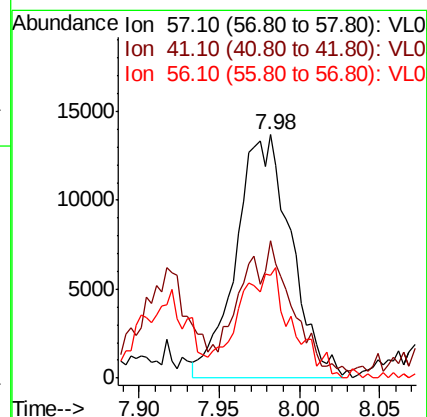
RT: 7.98 min Scan# 1569

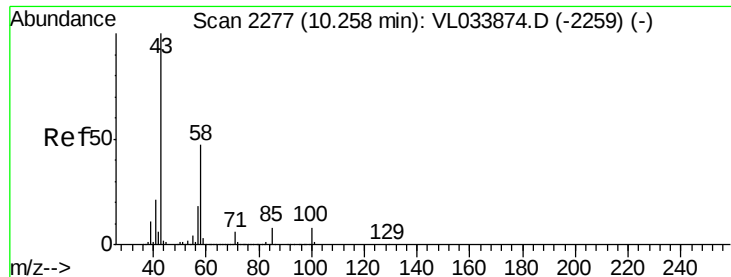
Delta R.T. 0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Tgt Ion:	57	Resp:	32300
Ion	Ratio	Lower	Upper
57	100		
41	48.5	26.1	39.1#
56	47.7	24.6	36.8#





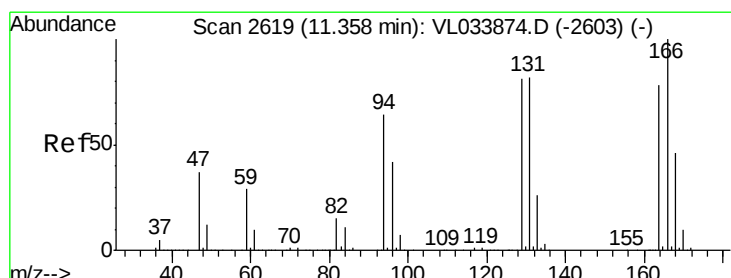
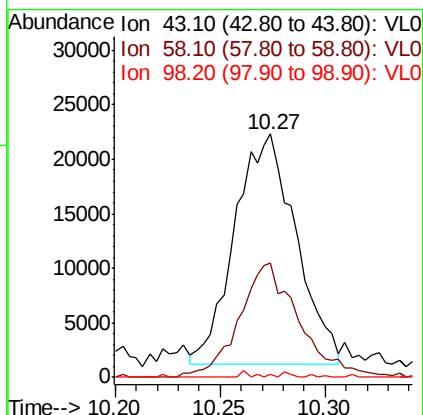
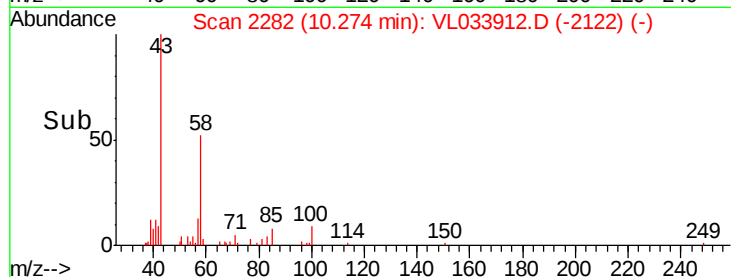
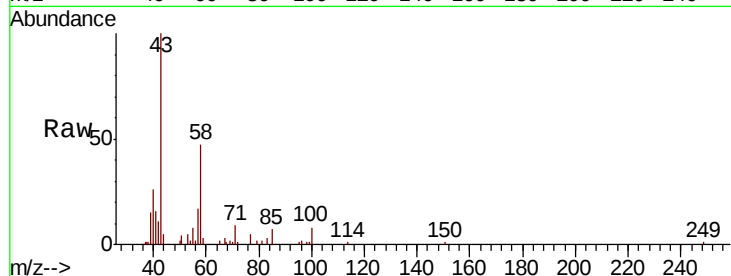
#51
2-Hexanone
Concen: 0.265 ppbv m
RT: 10.27 min Scan# 2282
Delta R.T. 0.02 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.4#
98	1.2	0.2	0.2#

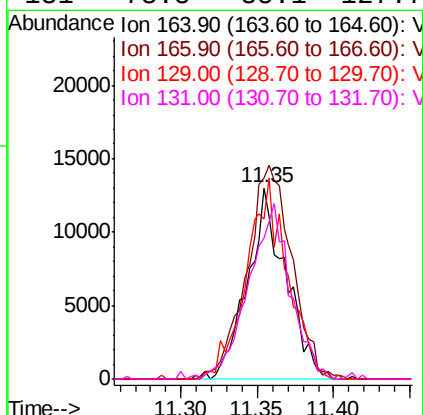
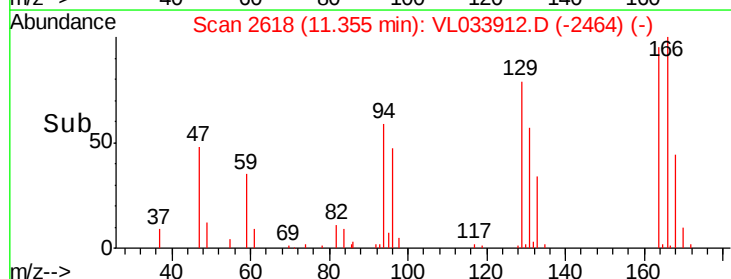
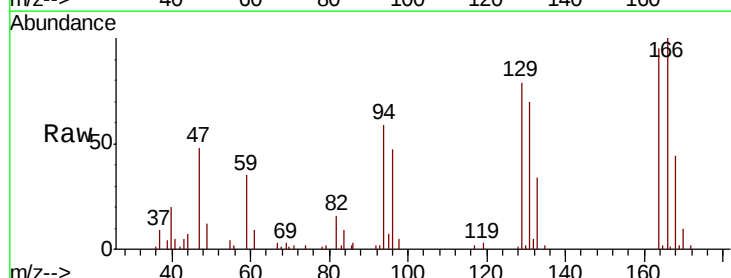
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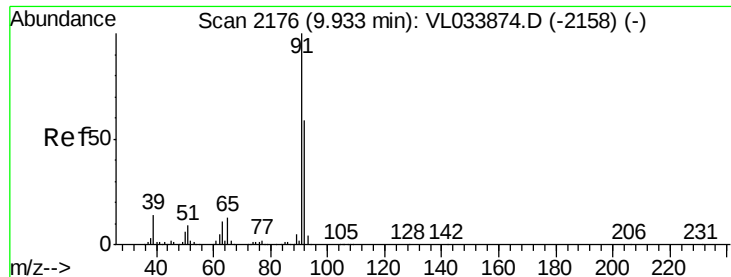
MMDadoda
6/17/2019 12:37:20 AM



#52
Tetrachloroethene
Concen: 0.344 ppbv m
RT: 11.35 min Scan# 2618
Delta R.T. -0.00 min
Lab File: VL033912.D
Acq: 14 Jun 2019 00:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.2	103.1	154.7
129	83.5	83.9	125.9#
131	73.5	85.1	127.7#





#53

Toluene

Concen: 0.484 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion: 91 Resp: 100508

Ion Ratio Lower Upper

91 100

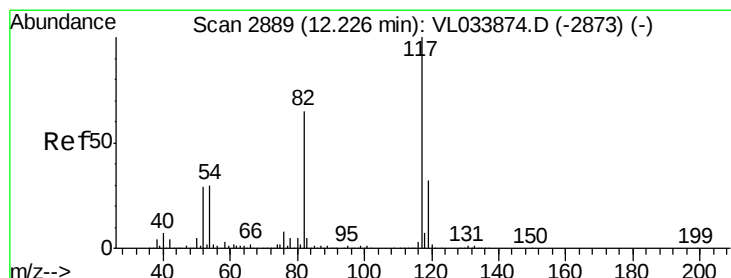
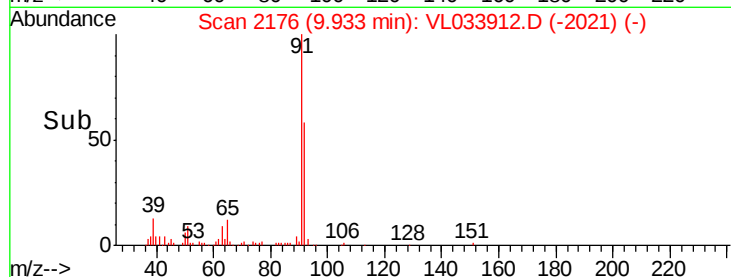
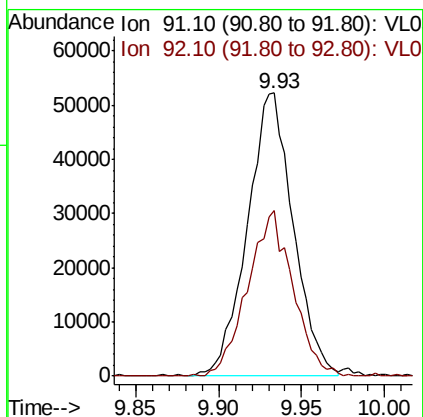
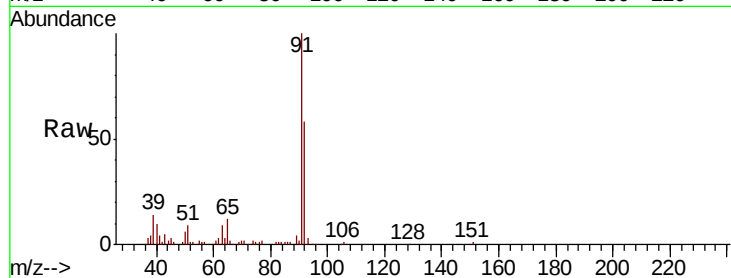
92 57.7 47.0 70.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.22 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

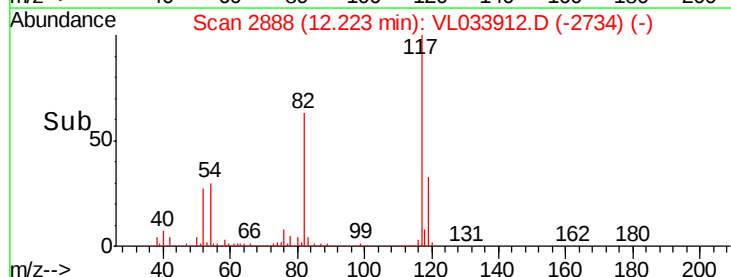
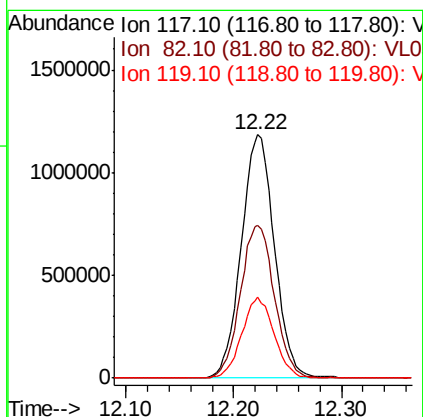
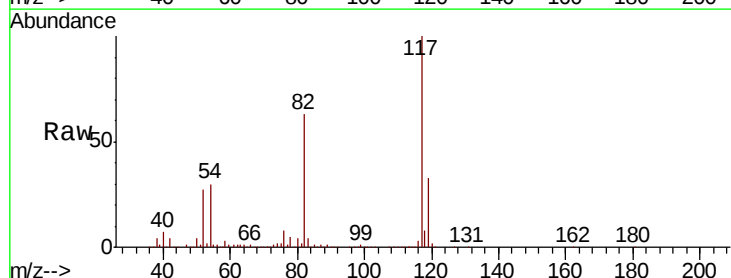
Tgt Ion: 117 Resp: 2527797

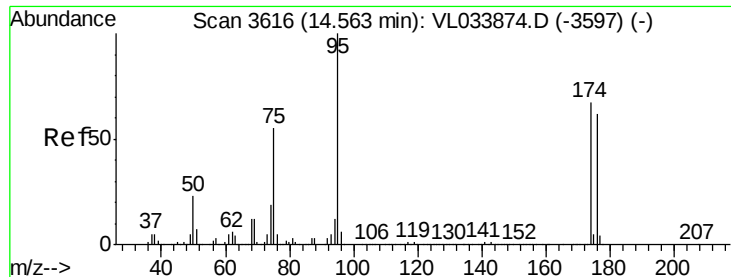
Ion Ratio Lower Upper

117 100

82 64.9 50.2 75.2

119 32.5 24.8 37.2





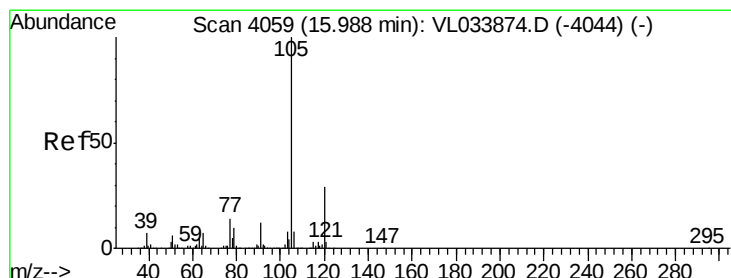
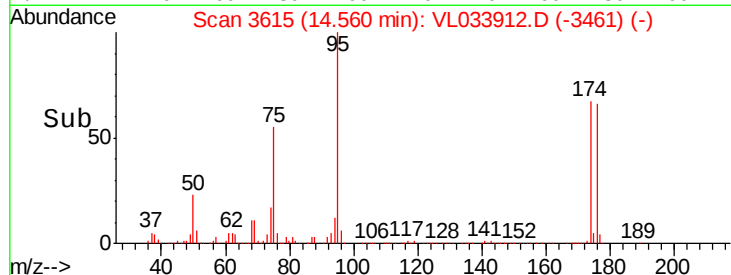
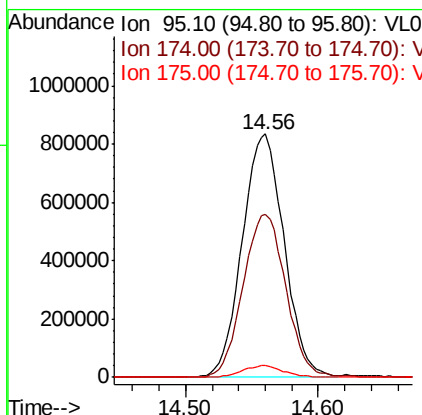
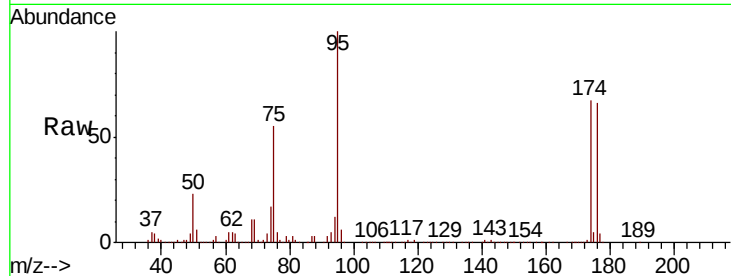
#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.806 ppbv
 RT: 14.56 min Scan# 3615
 Delta R.T. -0.00 min
 Lab File: VL033912.D
 Acq: 14 Jun 2019 00:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1DL

Tot Ion: 95 Resp: 1828395
 Ion Ratio Lower Upper
 95 100
 174 69.1 54.0 81.0
 175 4.8 3.8 5.8

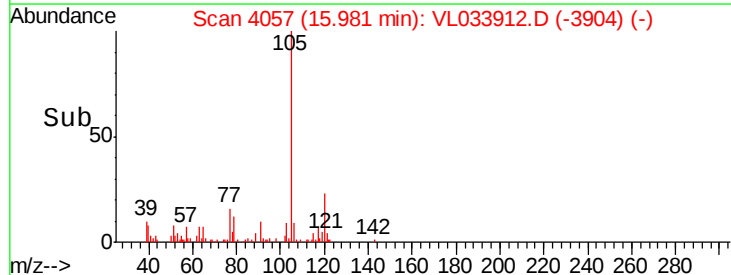
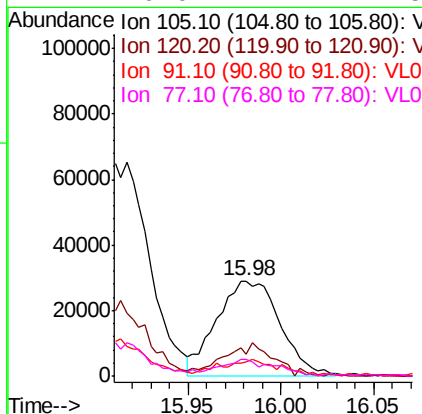
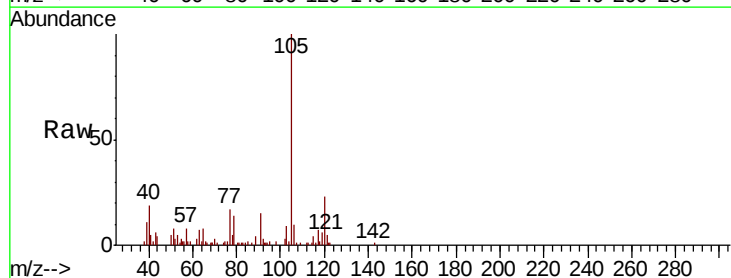
Manual Integrations
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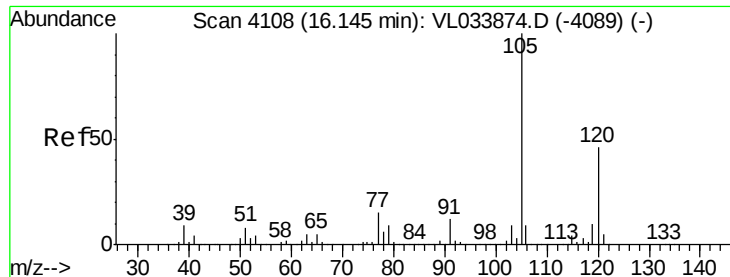
MMDadoda
 6/17/2019 12:37:20 AM



#72
 4-Ethyltoluene
 Concen: 0.227 ppbv m
 RT: 15.98 min Scan# 4057
 Delta R.T. -0.01 min
 Lab File: VL033912.D
 Acq: 14 Jun 2019 00:50

Tgt Ion: 105 Resp: 69221
 Ion Ratio Lower Upper
 105 100
 120 28.5 23.5 35.3
 91 15.4 10.4 15.6
 77 0.0 11.7 17.5#





#73

1,3,5-Trimethylbenzene

Concen: 0.150 ppbv

RT: 16.14 min Scan# 4107

Delta R.T. -0.00 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612-1DL

Tot Ion:105 Resp: 44955

Ion Ratio Lower Upper

105 100

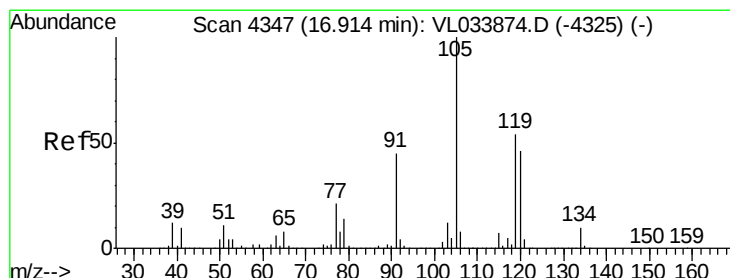
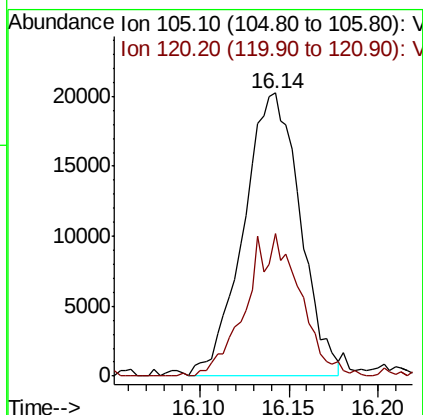
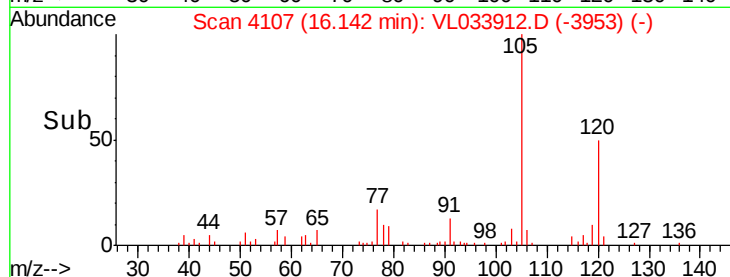
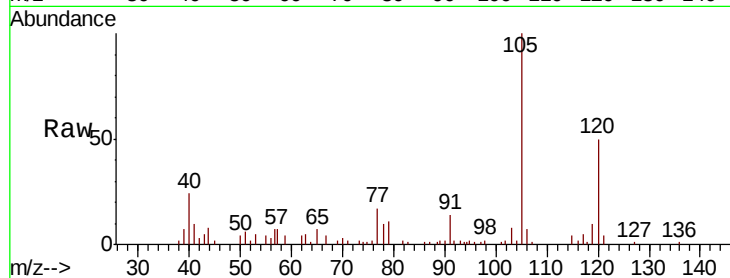
120 50.5 37.1 55.7

Manual Integrations

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MMDadoda

6/17/2019 12:37:20 AM



#74

1,2,4-Trimethylbenzene

Concen: 0.327 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033912.D

Acq: 14 Jun 2019 00:50

Tgt Ion:105 Resp: 112933

Ion Ratio Lower Upper

105 100

120 39.0 36.7 55.1

91 12.1 35.8 53.8#

77 14.4 16.9 25.3#

