

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032369.D
 Acq On : 16 Aug 2018 3:13
 Operator : SY/AP
 Sample : J4457-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS09-MIVI

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:50 PM

Quant Time: Aug 16 22:27:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 16 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1302141	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.38	114	3130492	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.33	117	3368595	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	2814819	10.95	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.21	50	1694231	23.60	ppbv	100
7) Chloroethane	3.65	64	2443279	101.82	ppbv	96
9) Propene	3.06	41	21335894m	413.29	ppbv	
10) Heptane	8.36	43	25785343	165.83	ppbv	90
11) Trichlorofluoromethane	4.06	101	195030	1.34	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	724671	7.39	ppbv	97
13) Ethanol	3.70	45	3904257	294.46	ppbv	96
15) Acetone	3.95	43	18402627	148.75	ppbv #	57
17) tert-Butyl alcohol	4.43	59	8787419m	423.31	ppbv	
19) Isopropyl Alcohol	4.08	45	3826363	45.93	ppbv #	78
26) Hexane	5.87	57	26047722	220.38	ppbv #	41
27) Carbon Disulfide	4.68	76	8346058	75.65	ppbv	96
29) Chloroform	5.92	83	2777785	16.04	ppbv	96
30) Cyclohexane	7.34	84	8623950	95.78	ppbv #	53
34) 2-Butanone	5.39	43	13141045	61.68	ppbv	97
35) Carbon Tetrachloride	7.22	117	36820m	0.20	ppbv	
36) Benzene	7.09	78	15164523	57.14	ppbv	94
38) Trichloroethene	8.09	130	39771759m	427.25	ppbv	
41) Tetrahydrofuran	6.22	42	4766578	41.67	ppbv #	81
51) 2-Hexanone	10.35	43	9199143	42.57	ppbv #	61
52) Tetrachloroethene	11.47	164	2343500	29.94	ppbv	96
53) Toluene	10.04	91	14523776	49.92	ppbv	96
58) Ethyl Benzene	12.95	91	3195557	7.88	ppbv	100
59) m/p-Xylene	13.21	91	6157728	17.89	ppbv	99
60) o-Xylene	13.94	91	2584239	7.64	ppbv	97
61) Styrene	13.77	104	1114805	4.71	ppbv	98
62) Isopropylbenzene	14.91	105	487788	1.01	ppbv	98
64) n-propylbenzene	15.81	120	263160	2.11	ppbv #	52
67) sec-Butylbenzene	17.54	105	494762	0.81	ppbv	99
69) p-Isopropyltoluene	17.90	119	455560m	0.97	ppbv	
70) n-Butylbenzene	18.80	91	825679	1.61	ppbv #	52
72) 4-Ethyltoluene	16.09	105	1160524	3.07	ppbv	99
73) 1,3,5-Trimethylbenzene	16.24	105	1059005	2.92	ppbv	98
74) 1,2,4-Trimethylbenzene	17.01	105	3032603	7.85	ppbv #	72
79) Naphthalene	22.50	128	734582	2.29	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	233497m	3.03	ppbv	

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

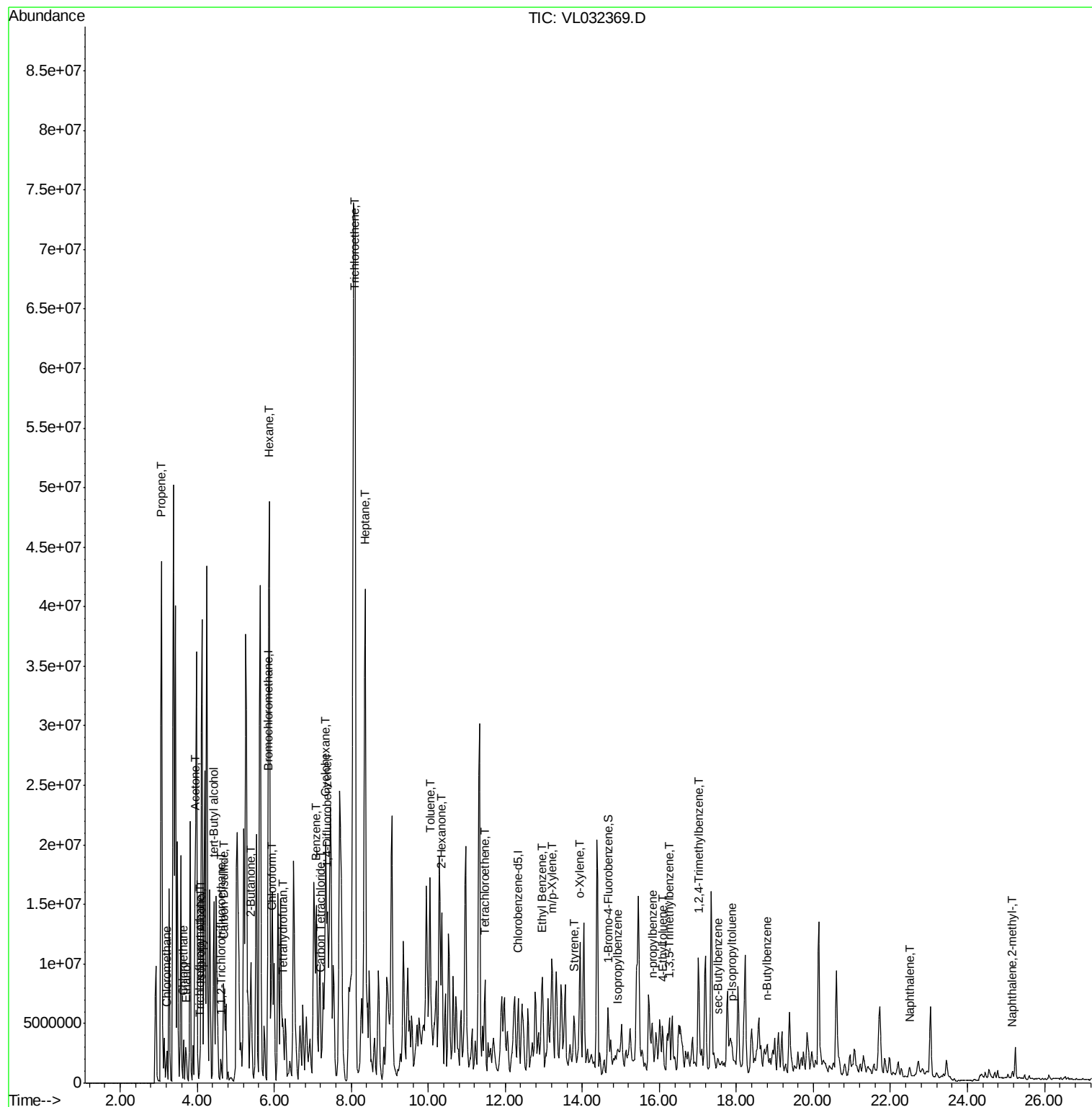
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032369.D
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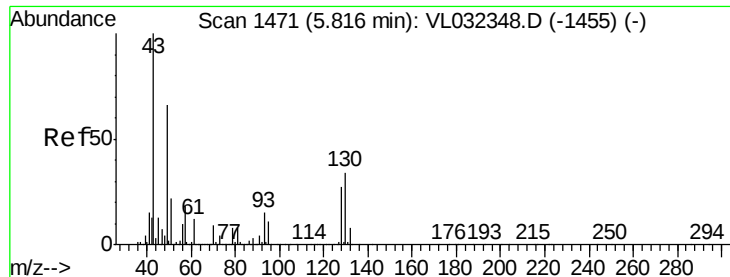
Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

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Quant Time: Aug 16 22:27:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

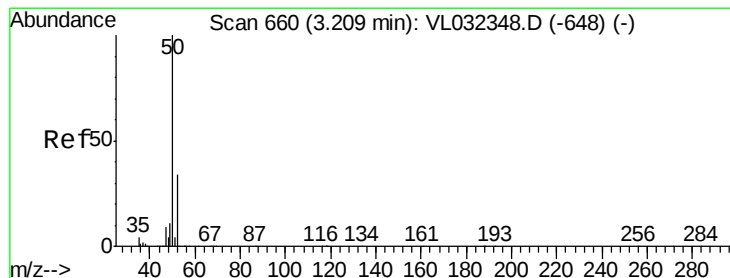
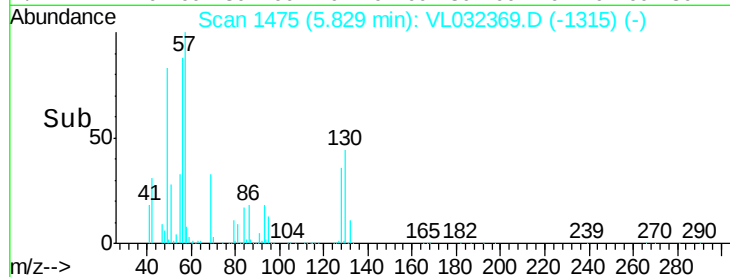
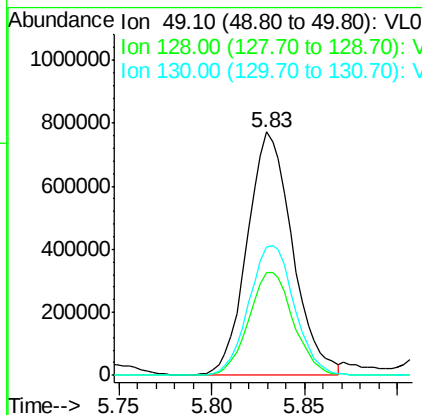
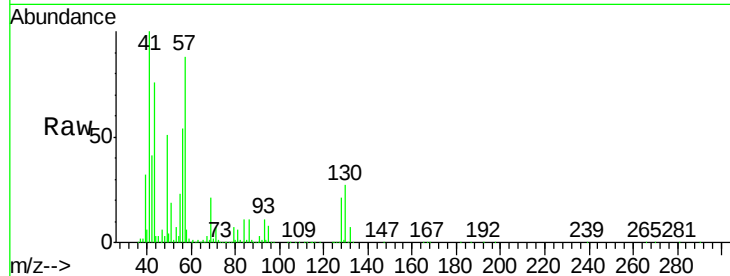
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Instrument :
 MSVOA_L
 ClientSampled :
 SS09-MIVI

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.7	20.5	61.6
130	53.8	26.2	78.5

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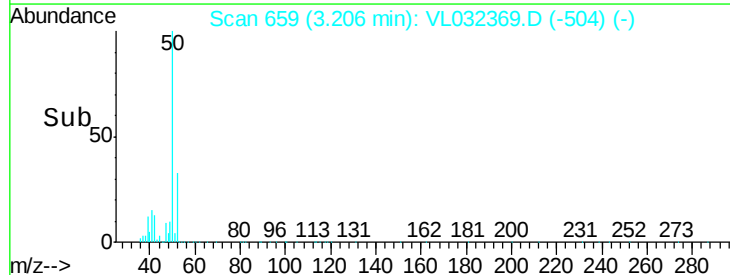
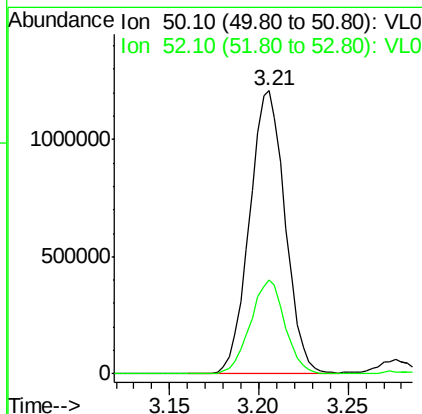
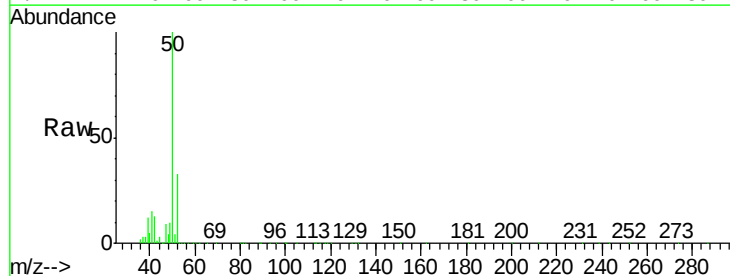
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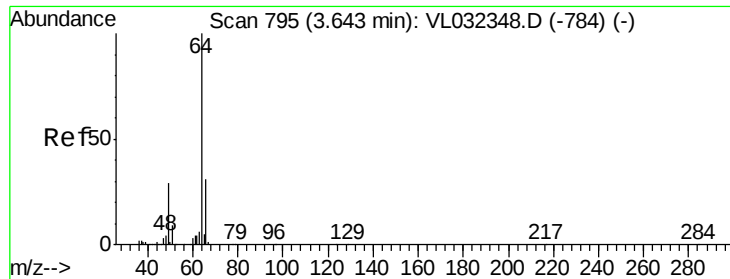


#4

Chloromethane
 Concen: 23.60 ppbv
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2





#7

Chloroethane

Concen: 101.82 ppbv

RT: 3.65 min Scan# 796

Delta R.T. 0.00 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion: 64 Resp: 2443279

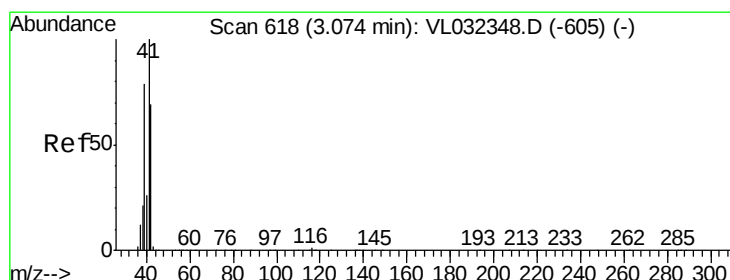
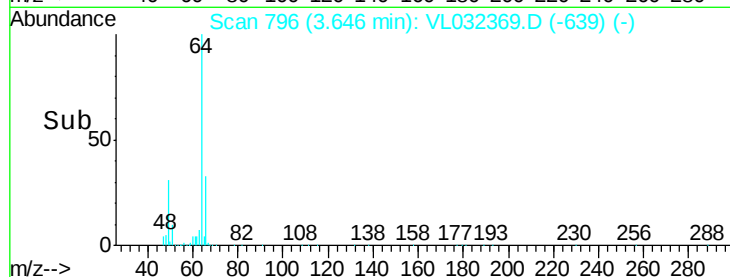
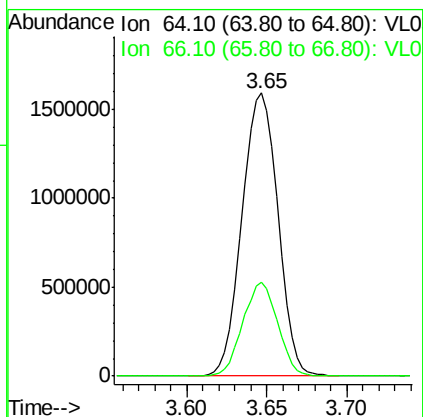
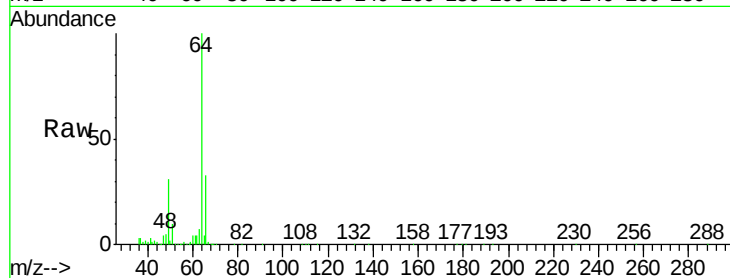
Ion Ratio Lower Upper

64 100

66 33.1 24.6 36.8

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#9

Propene

Concen: 413.29 ppbv m

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032369.D

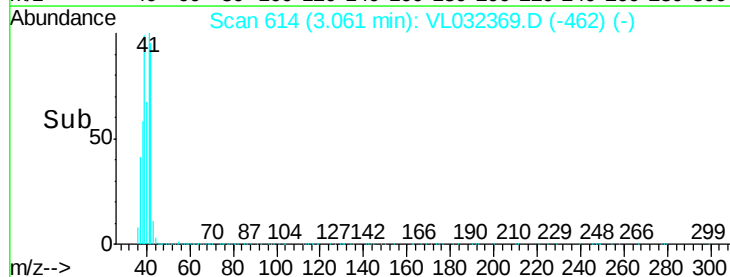
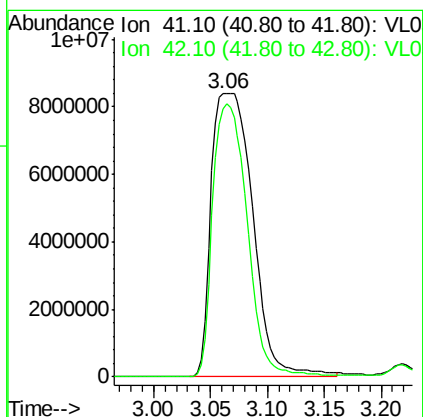
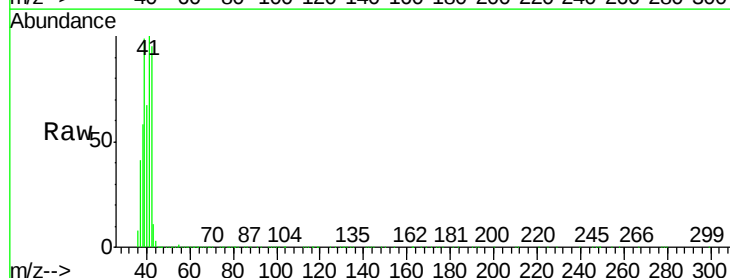
Acq: 16 Aug 2018 3:13

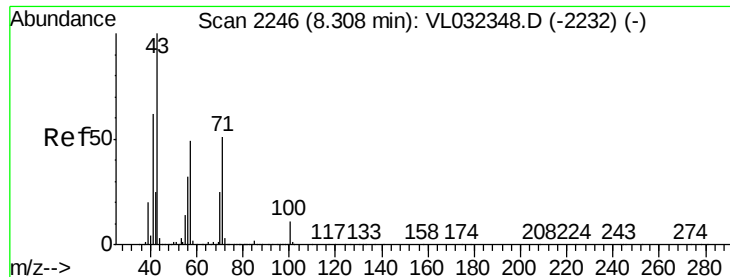
Tgt Ion: 41 Resp: 21335894

Ion Ratio Lower Upper

41 100

42 40.1 55.9 83.9#





#10

Heptane

Concen: 165.83 ppbv

RT: 8.36 min Scan# 2262

Delta R.T. 0.05 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Tot Ion: 43 Resp: 25785343

Ion Ratio Lower Upper

43 100

57 56.4 39.5 59.3

Instrument :

MSVOA_L

ClientSampleId :

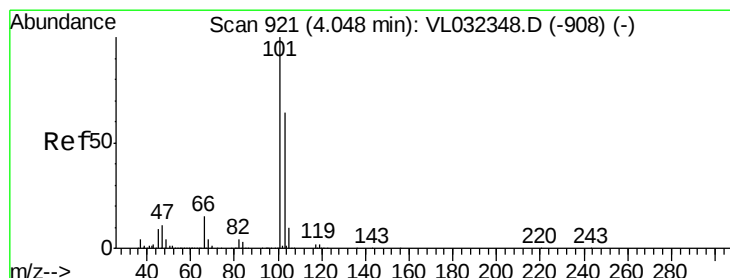
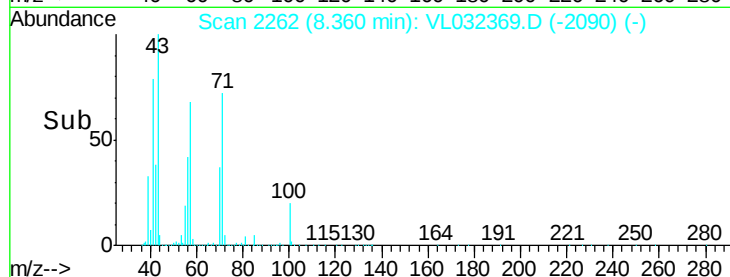
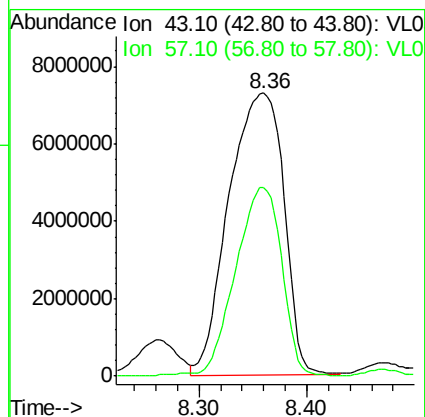
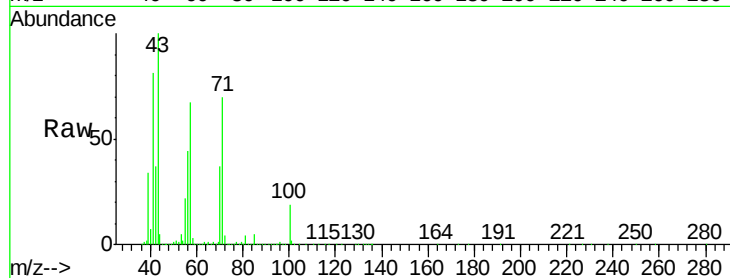
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#11

Trichlorofluoromethane

Concen: 1.34 ppbv

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL032369.D

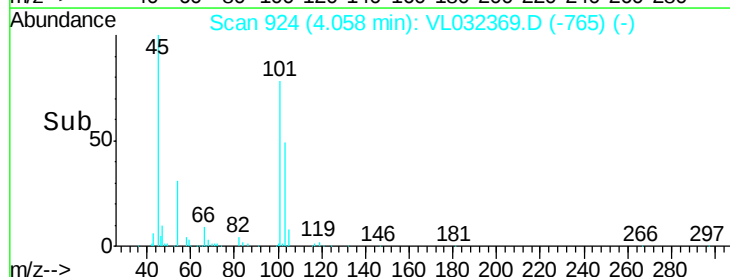
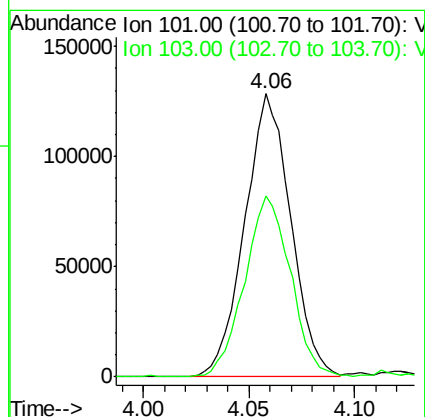
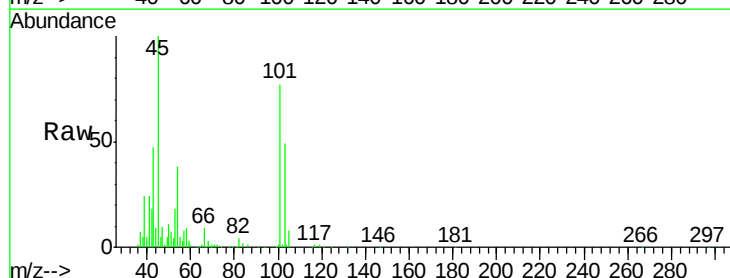
Acq: 16 Aug 2018 3:13

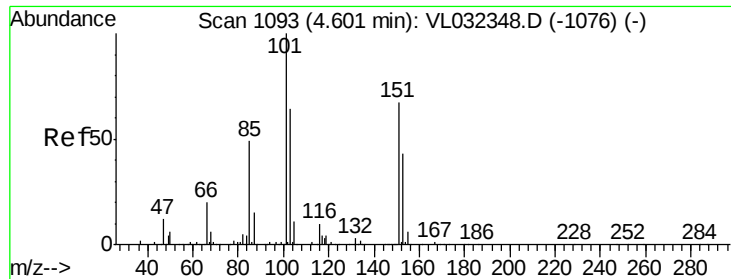
Tgt Ion: 101 Resp: 195030

Ion Ratio Lower Upper

101 100

103 63.8 51.4 77.0





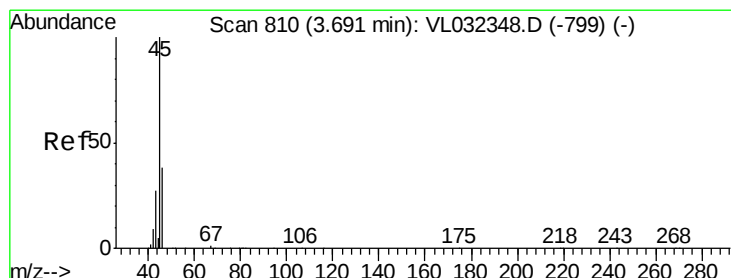
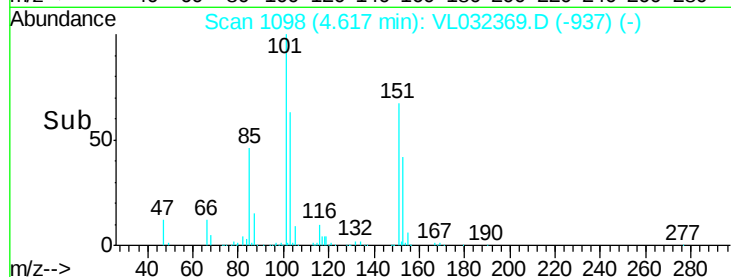
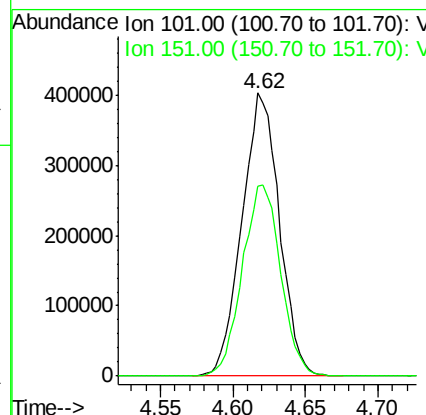
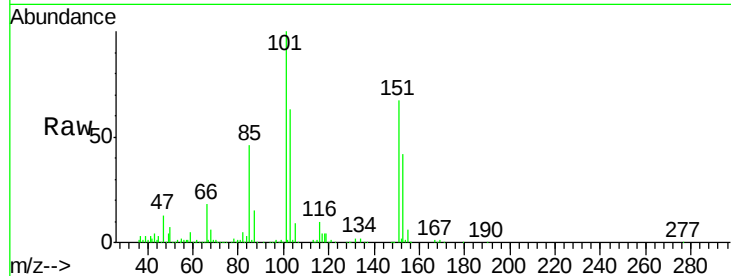
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.39 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. 0.02 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SS09-MIVI

Tot Ion	Ratio	Lower	Upper
101	100		
151	69.1	53.1	79.7

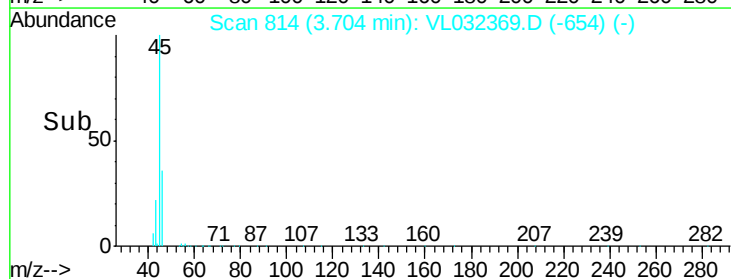
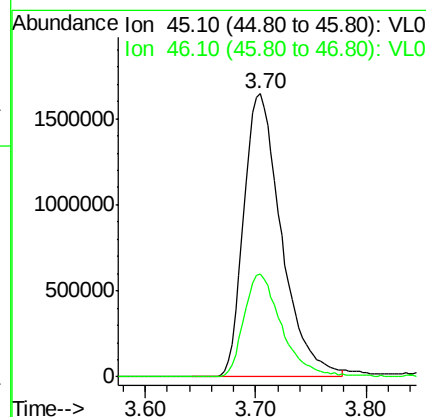
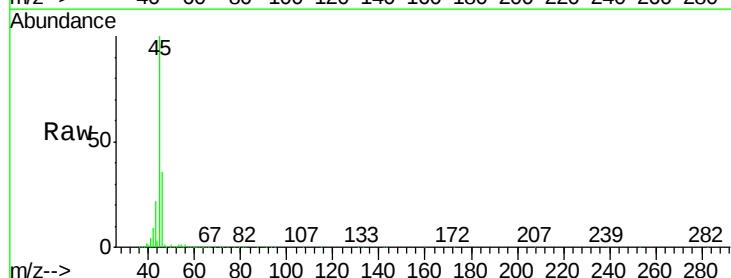
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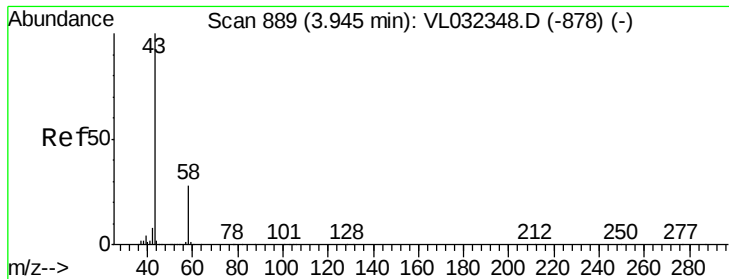
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#13
 Ethanol
 Concen: 294.46 ppbv
 RT: 3.70 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.6	62.4





#15

Acetone

Concen: 148.75 ppbv

RT: 3.95 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion: 43 Resp:18402627

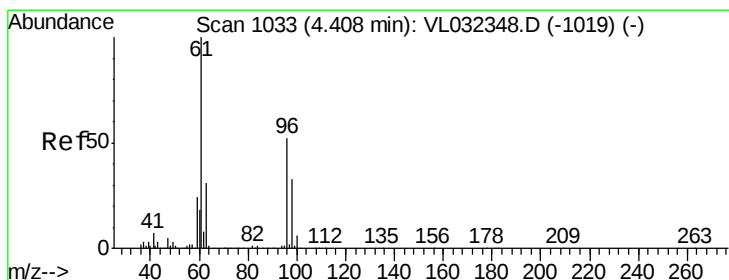
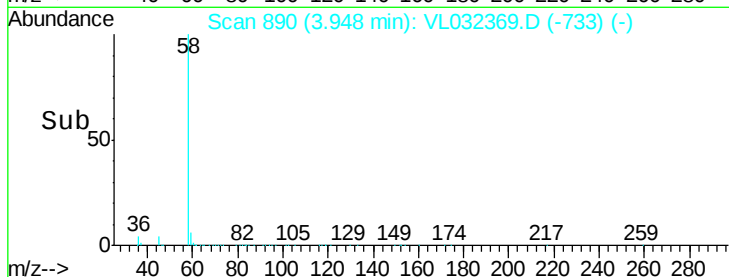
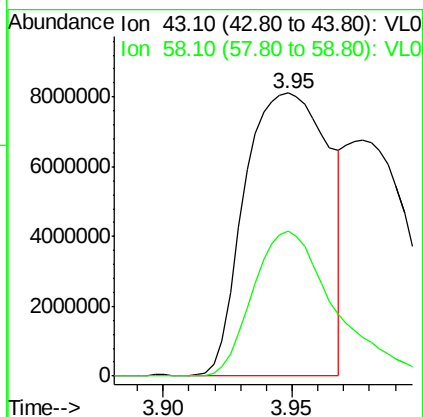
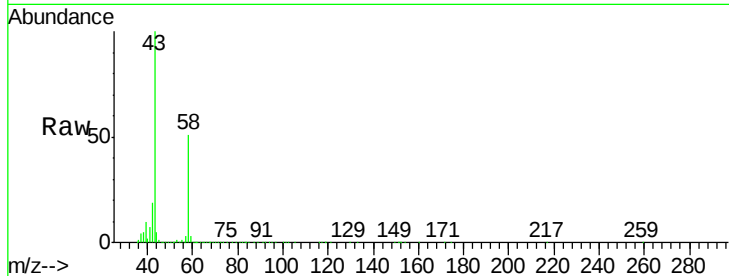
Ion Ratio Lower Upper

43 100

58 50.4 22.4 33.6#

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#17

tert-Butyl alcohol

Concen: 423.31 ppbv m

RT: 4.43 min Scan# 1039

Delta R.T. 0.02 min

Lab File: VL032369.D

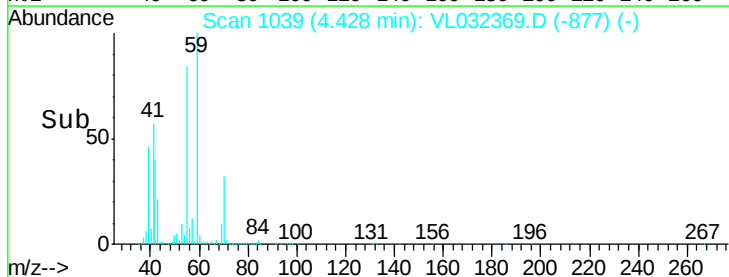
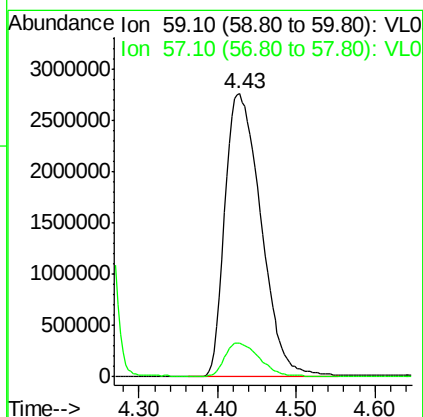
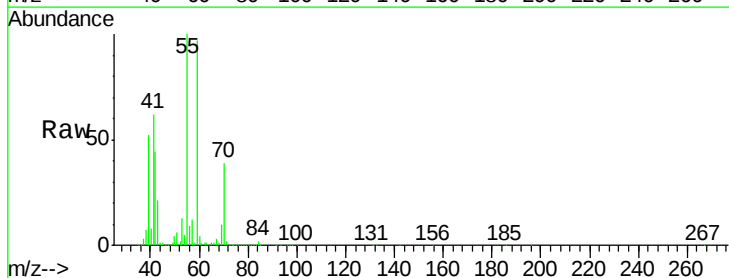
Acq: 16 Aug 2018 3:13

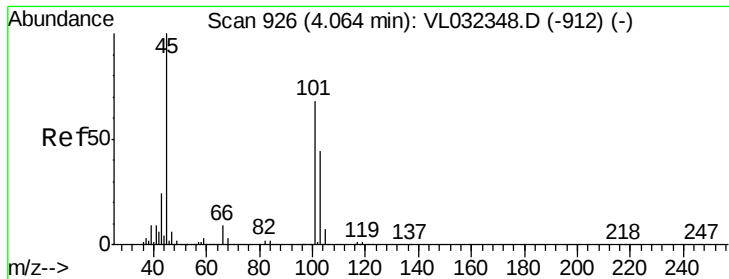
Tgt Ion: 59 Resp: 8787419

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#





#19

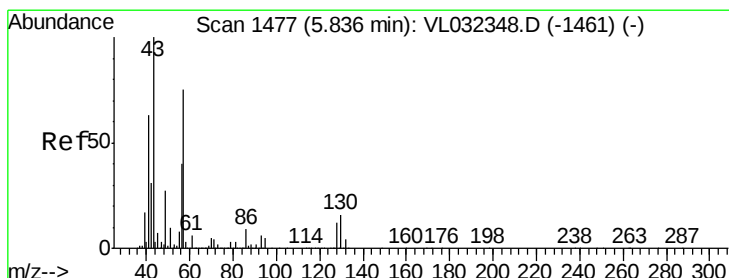
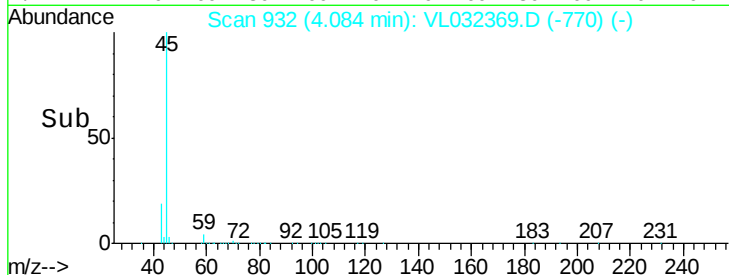
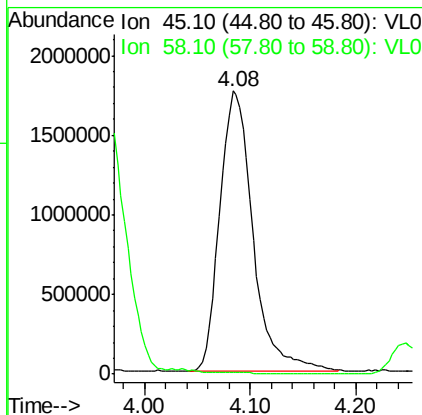
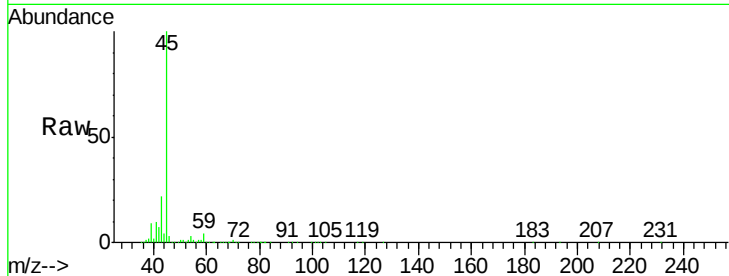
Isopropyl Alcohol
 Concen: 45.93 ppbv
 RT: 4.08 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SS09-MIVI

Tot Ion: 45 Resp: 3826363
 Ion Ratio Lower Upper
 45 100
 58 9.8 1.4 2.0#

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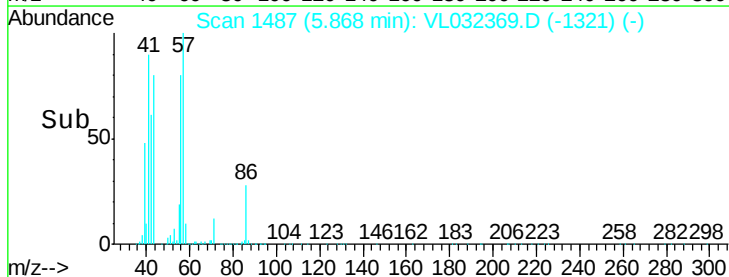
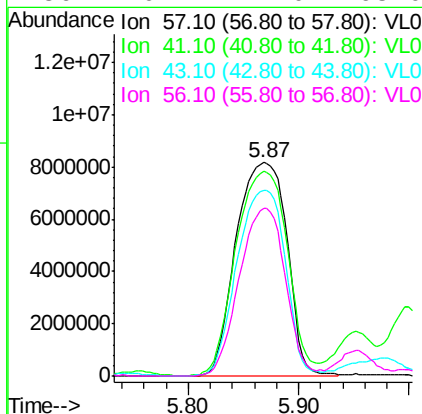
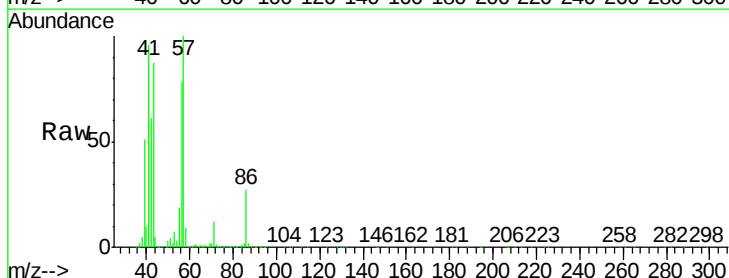
MMDadoda
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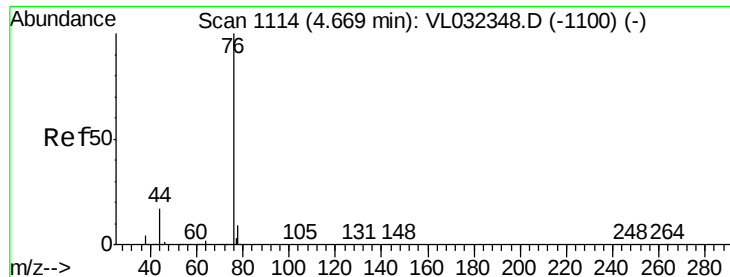


#26

Hexane
 Concen: 220.38 ppbv
 RT: 5.87 min Scan# 1487
 Delta R.T. 0.03 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Tgt Ion: 57 Resp: 26047722
 Ion Ratio Lower Upper
 57 100
 41 97.3 68.0 102.0
 43 82.4 175.3 262.9#
 56 70.7 42.0 63.0#





#27

Carbon Disulfide

Concen: 75.65 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. 0.01 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion: 76 Resp: 8346058

Ion Ratio Lower Upper

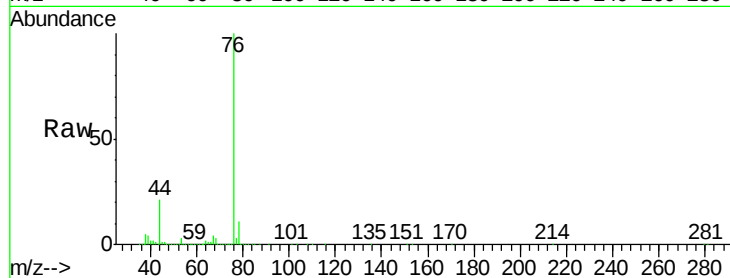
76 100

44 20.2 14.4 21.6

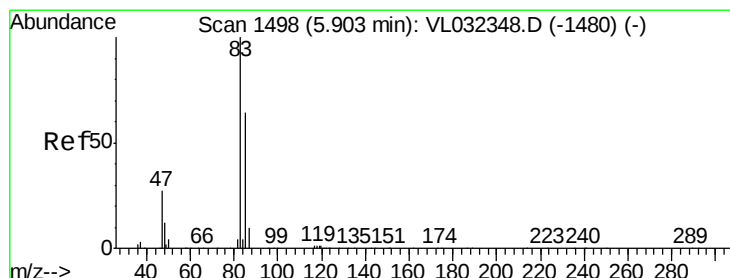
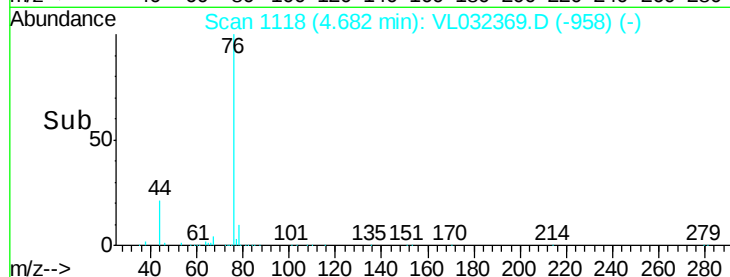
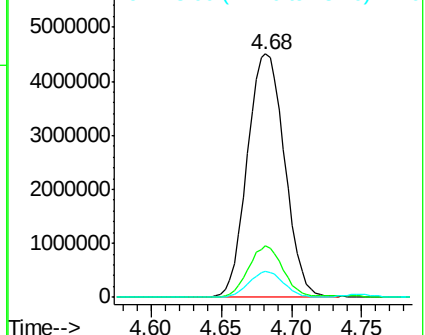
78 9.9 7.4 11.0

Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 16.04 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. 0.02 min

Lab File: VL032369.D

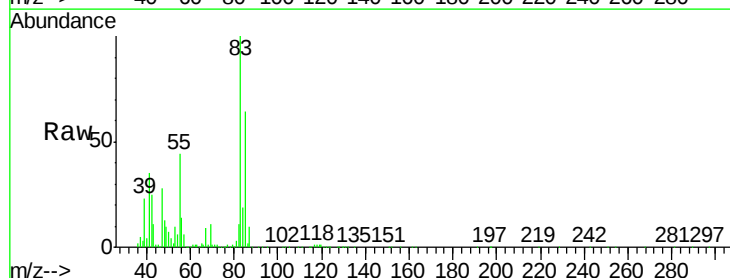
Acq: 16 Aug 2018 3:13

Tgt Ion: 83 Resp: 2777785

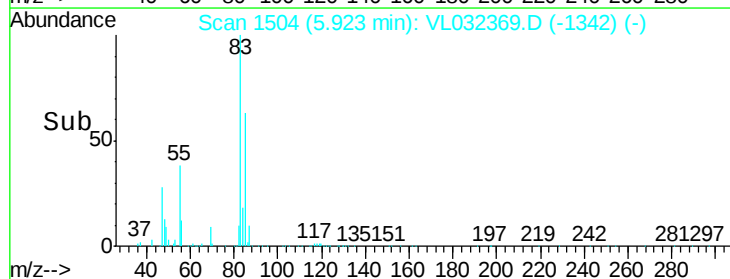
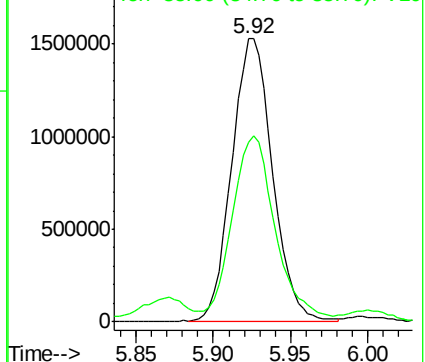
Ion Ratio Lower Upper

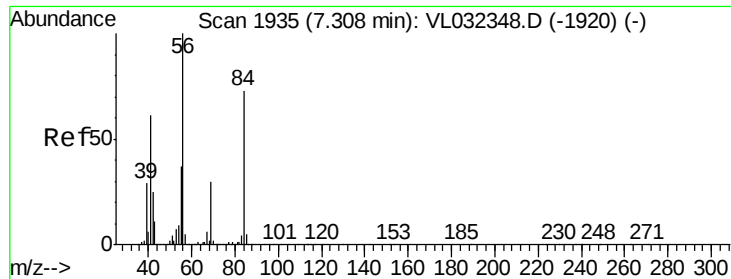
83 100

85 61.4 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





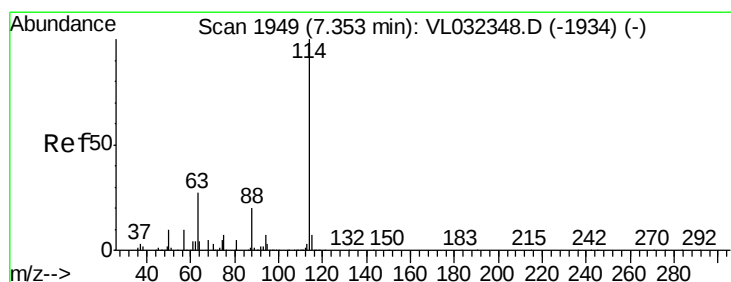
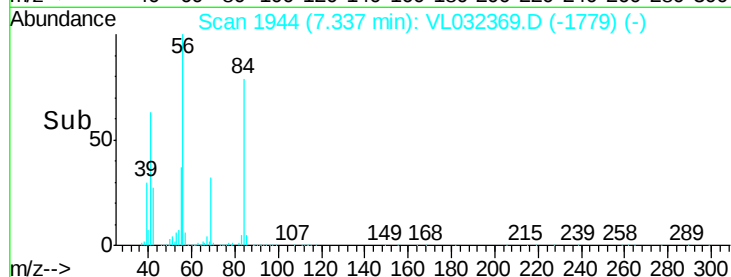
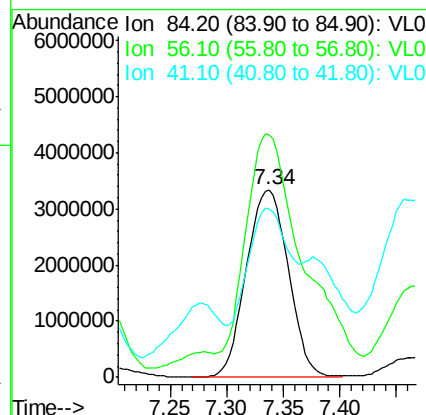
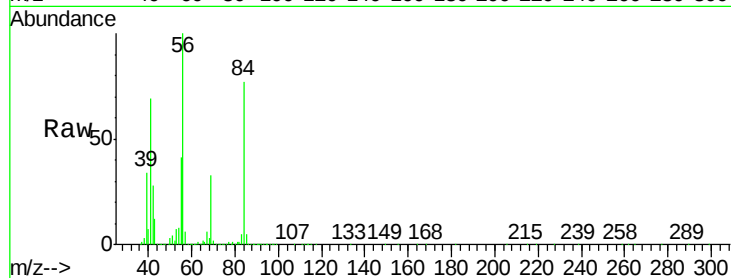
#30
Cvclohexane
Concen: 95.78 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. 0.03 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

Tot Ion	Ratio	Lower	Upper
84	100		
56	191.0	115.7	173.5#
41	143.3	67.9	101.9#

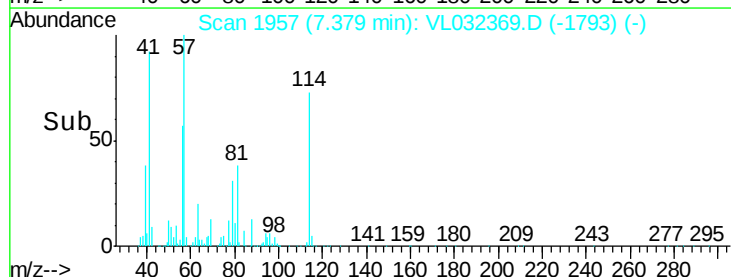
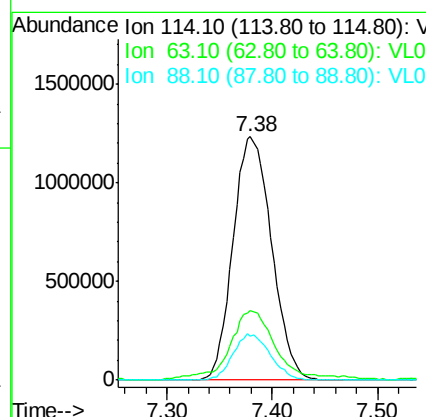
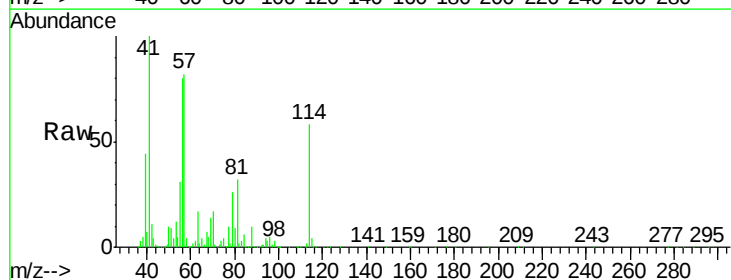
Manual Integrations
APPROVED

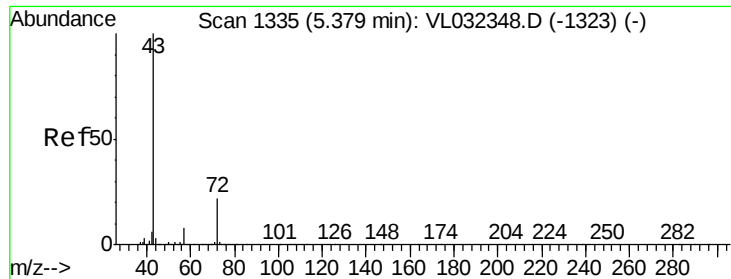
MMDadoda
8/17/2018 2:06:50 PM



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. 0.03 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.6	22.0	33.0#
88	18.2	15.3	22.9





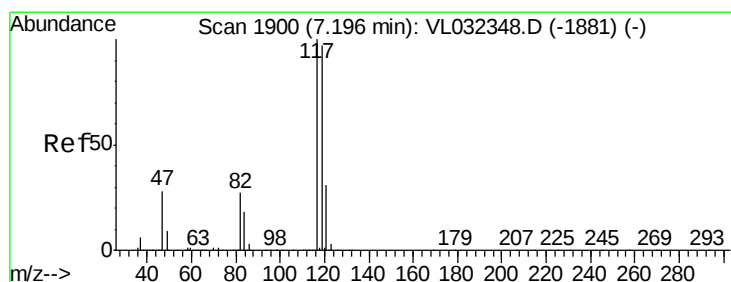
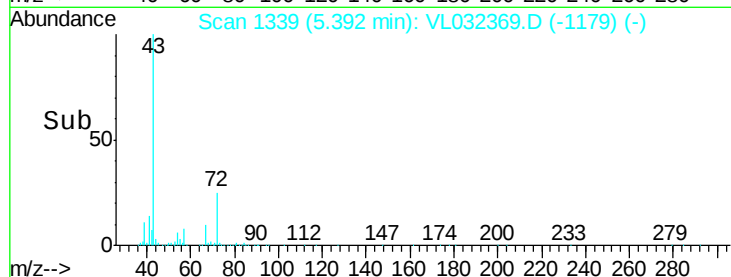
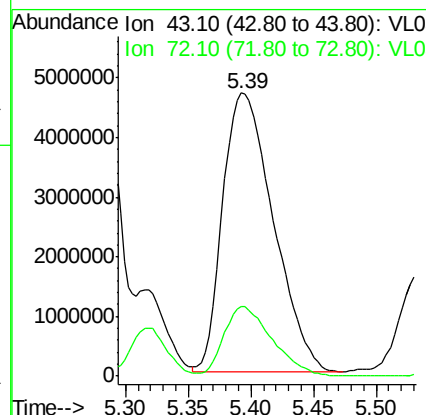
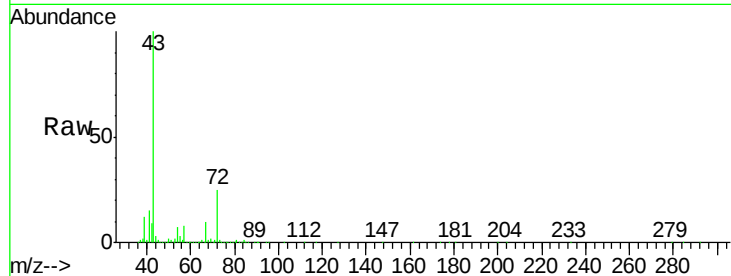
#34
2-Butanone
Concen: 61.68 ppbv
RT: 5.39 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampled :
SS09-MIVI

Tot Ion: 43 Resp: 13141045
Ion Ratio Lower Upper
43 100
72 23.7 17.9 26.9

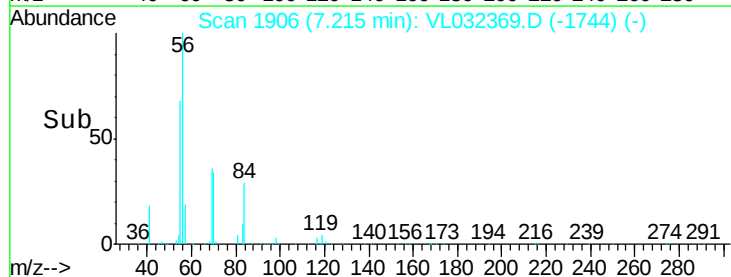
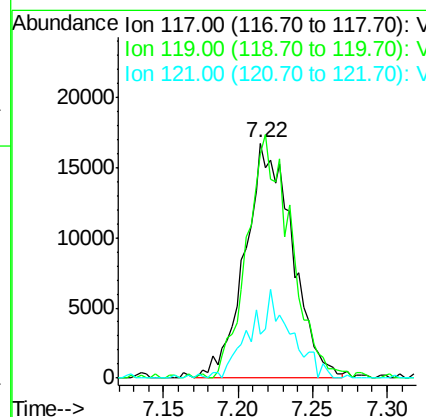
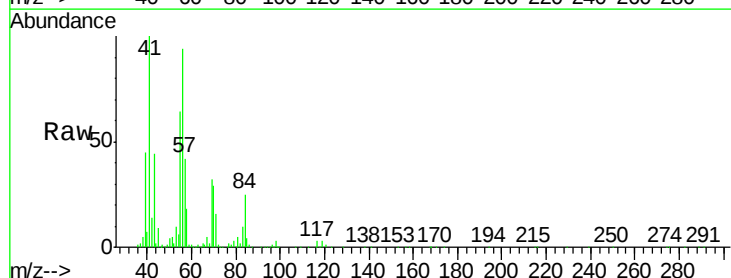
Manual Integrations
APPROVED

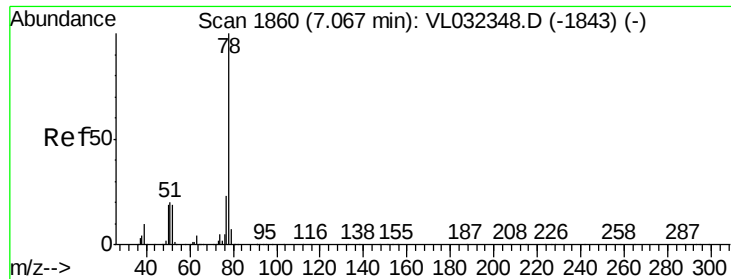
MMDadoda
8/17/2018 2:06:50 PM



#35
Carbon Tetrachloride
Concen: 0.20 ppbv m
RT: 7.22 min Scan# 1906
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion: 117 Resp: 36820
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8
121 18.9 25.1 37.7#





#36

Benzene

Concen: 57.14 ppbv

RT: 7.09 min Scan# 1867

Delta R.T. 0.02 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion: 78 Resp:15164523

Ion Ratio Lower Upper

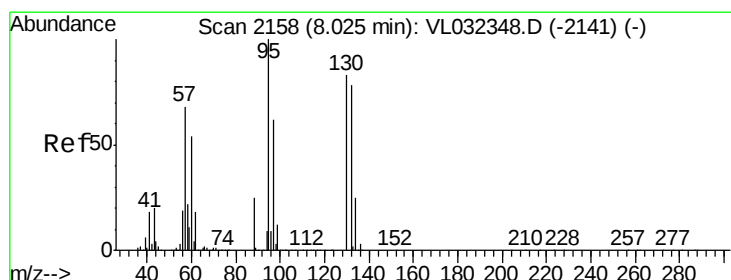
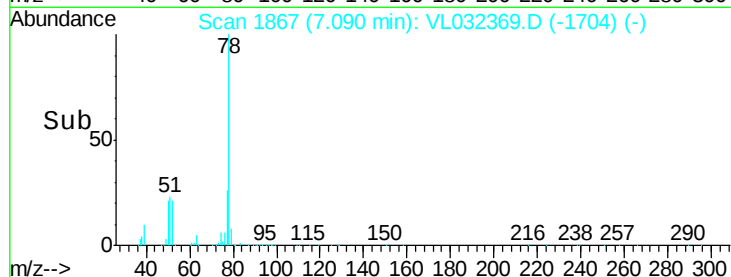
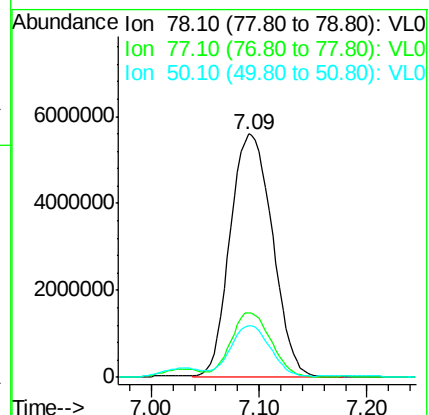
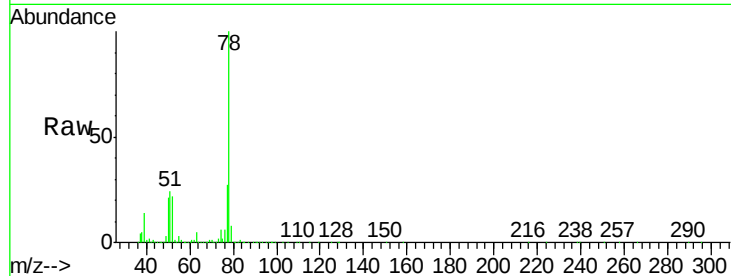
78 100

77 26.1 18.0 27.0

50 20.8 15.1 22.7

Manual Integrations
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MMDadoda
8/17/2018 2:06:50 PM



#38

Trichloroethene

Concen: 427.25 ppbv m

RT: 8.09 min Scan# 2178

Delta R.T. 0.06 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Tgt Ion:130 Resp:39771759

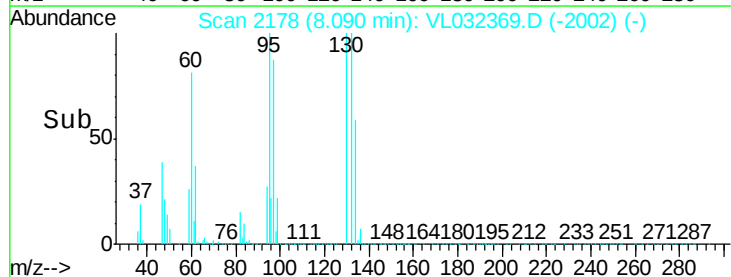
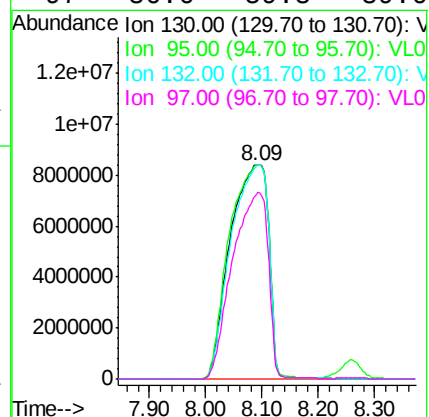
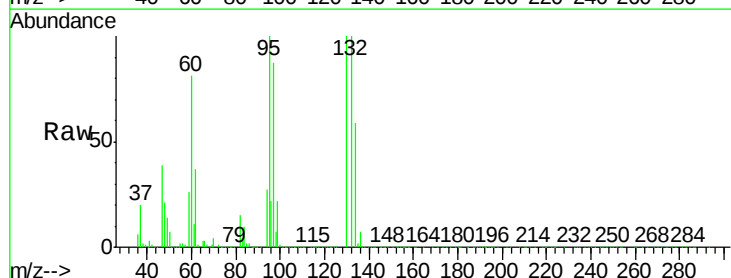
Ion Ratio Lower Upper

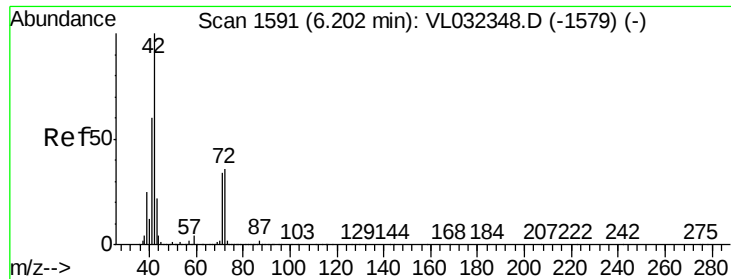
130 100

95 100.0 96.6 144.8

132 99.8 75.5 113.3

97 86.6 59.8 89.6





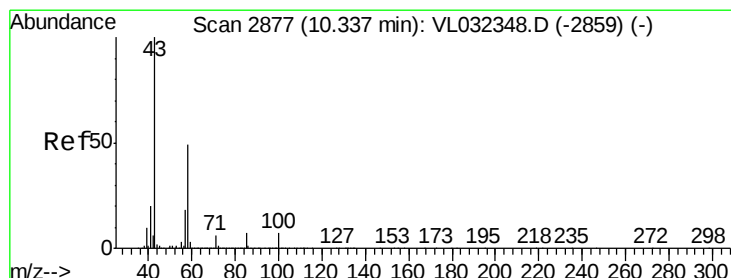
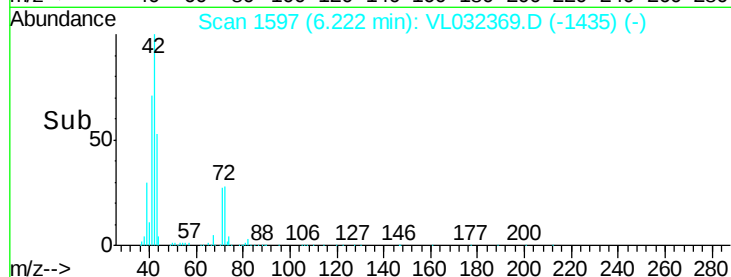
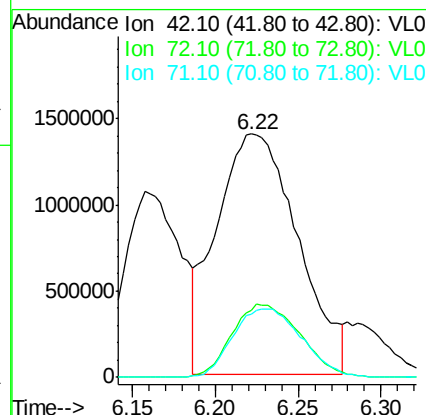
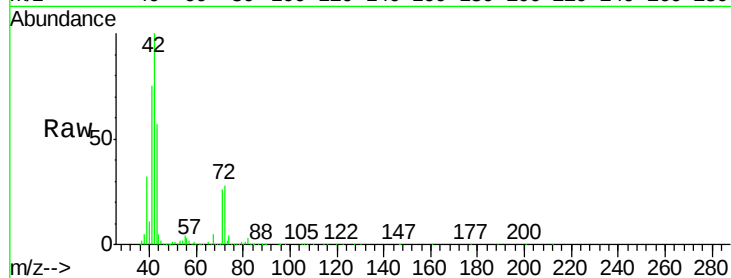
#41
Tetrahydrofuran
Concen: 41.67 ppbv
RT: 6.22 min Scan# 1597
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

Tot Ion	Ratio	Lower	Upper
42	100		
72	25.6	29.8	44.6#
71	24.2	28.2	42.2#

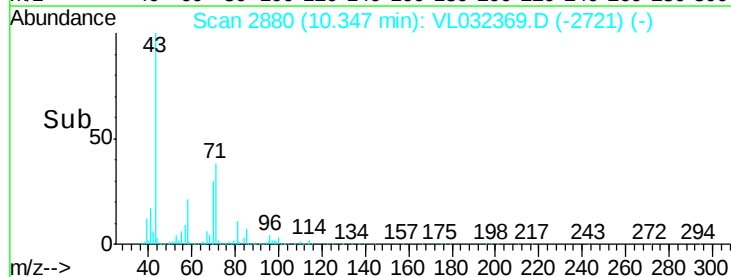
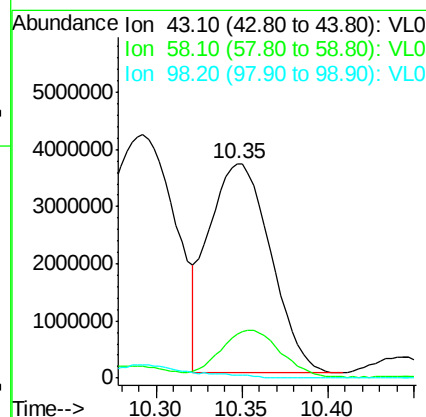
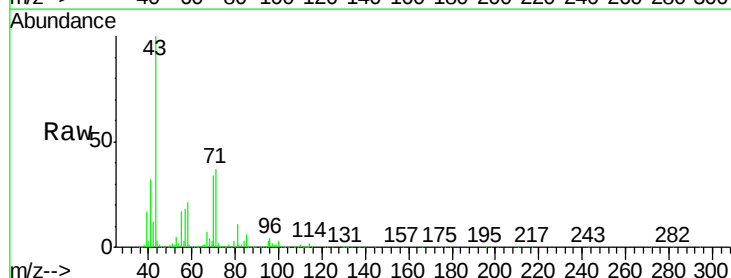
Manual Integrations
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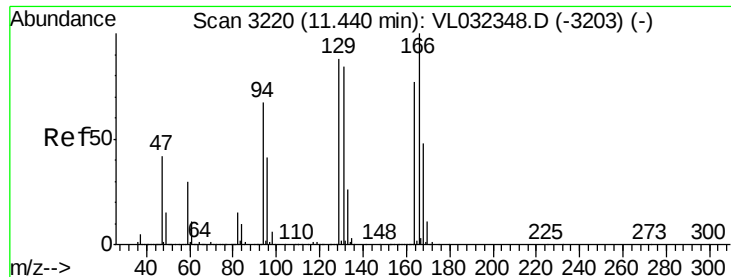
MMDadoda
8/17/2018 2:06:50 PM



#51
2-Hexanone
Concen: 42.57 ppbv
RT: 10.35 min Scan# 2880
Delta R.T. 0.01 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.6	39.5	59.3#
98	0.0	0.3	0.5#





#52

Tetrachloroethene

Concen: 29.94 ppbv

RT: 11.47 min Scan# 3230

Delta R.T. 0.03 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion:164 Resp: 2343500

Ion Ratio Lower Upper

164 100

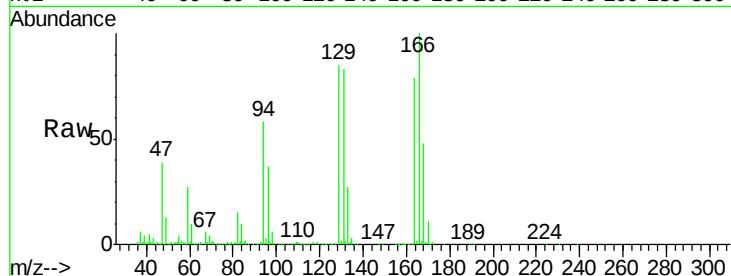
166 126.4 103.5 155.3

129 107.4 90.9 136.3

131 104.6 86.7 130.1

Manual Integrations
APPROVED

MMDadoda
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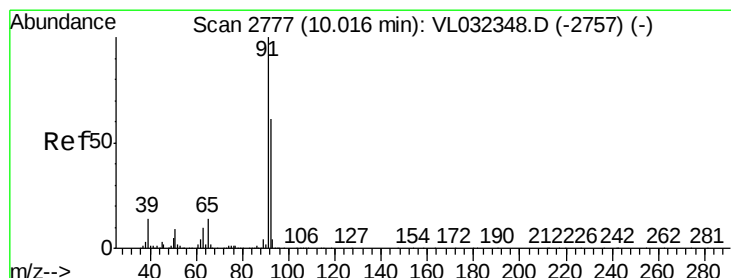
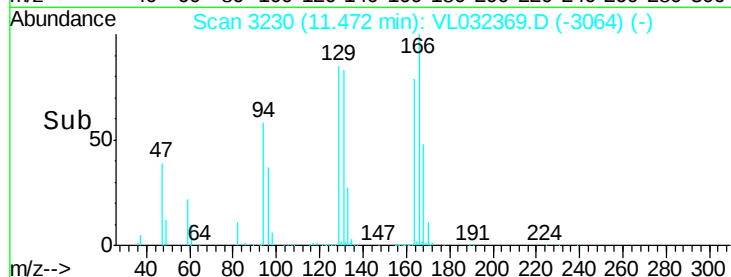
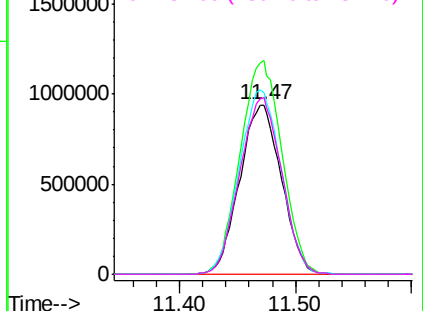


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 49.92 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. 0.03 min

Lab File: VL032369.D

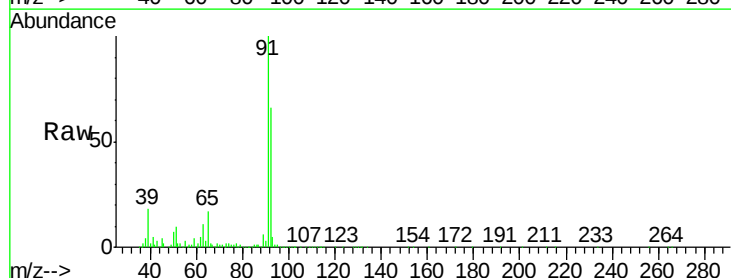
Acq: 16 Aug 2018 3:13

Tgt Ion: 91 Resp:14523776

Ion Ratio Lower Upper

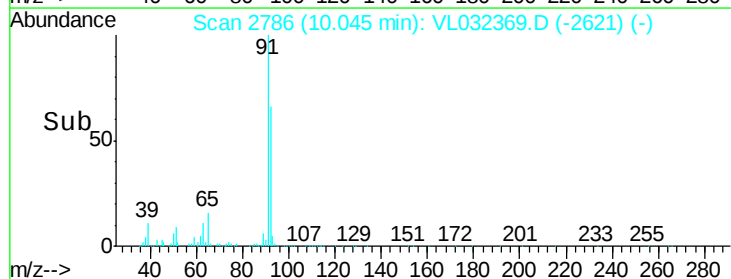
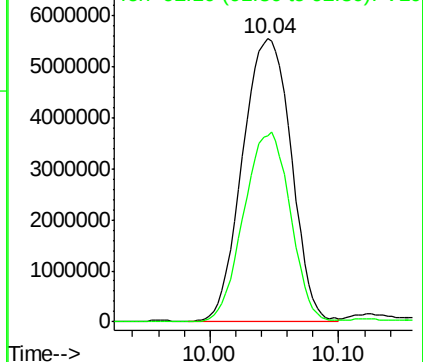
91 100

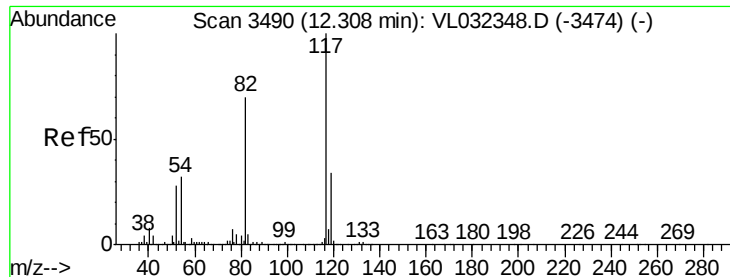
92 64.2 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





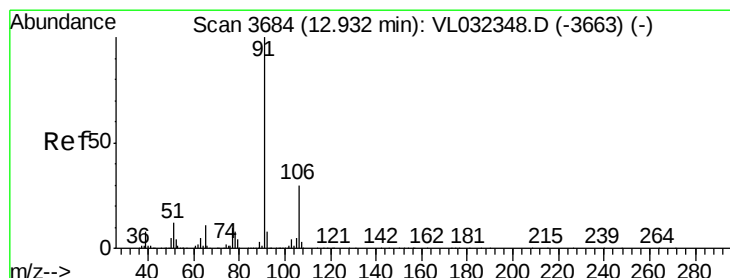
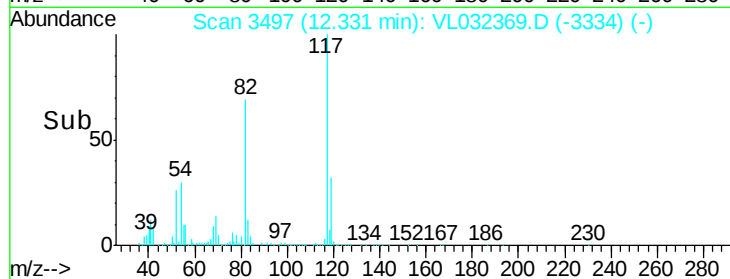
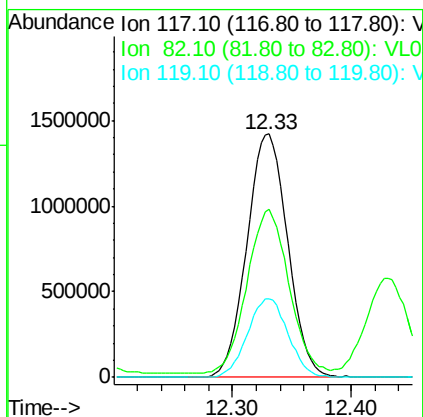
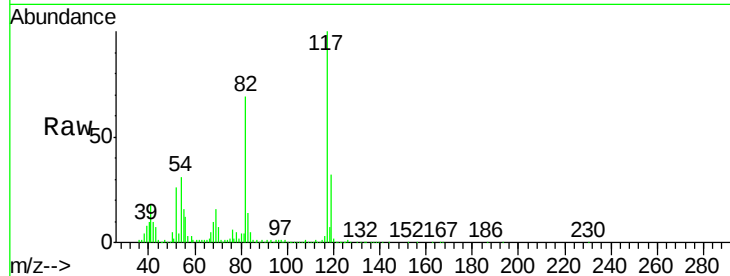
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.0	55.1	82.7
119	32.3	46.0	69.0#

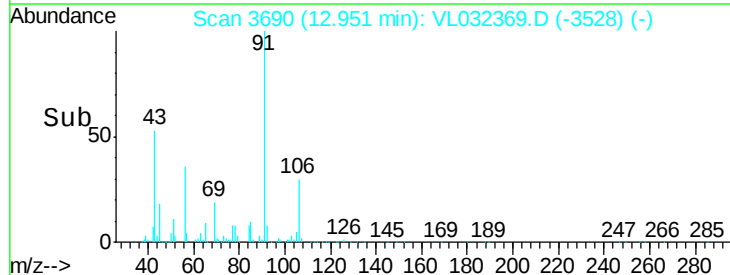
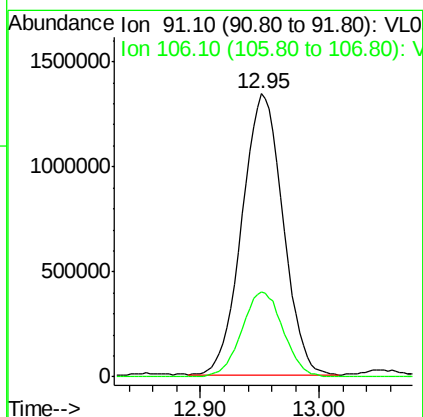
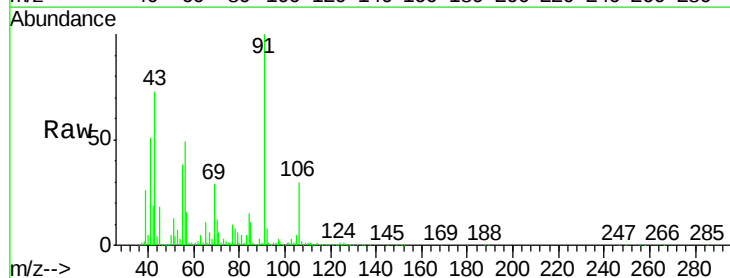
Manual Integrations
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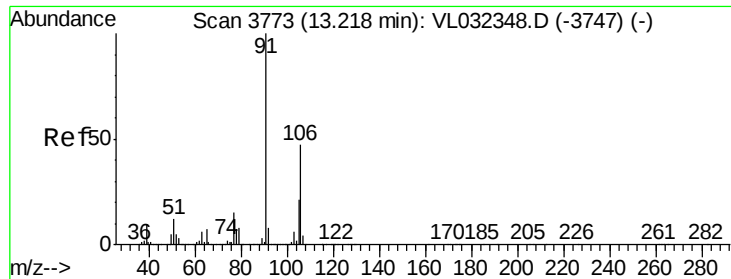
MMDadoda
8/17/2018 2:06:50 PM



#58
Ethyl Benzene
Concen: 7.88 ppbv
RT: 12.95 min Scan# 3690
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5





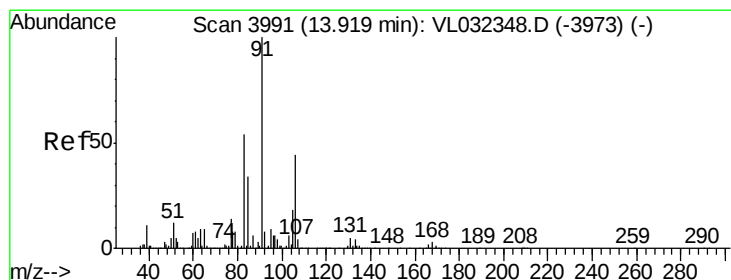
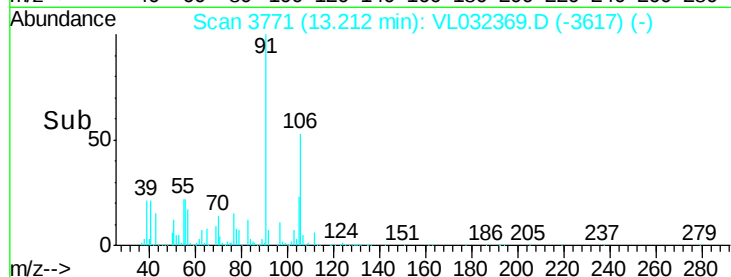
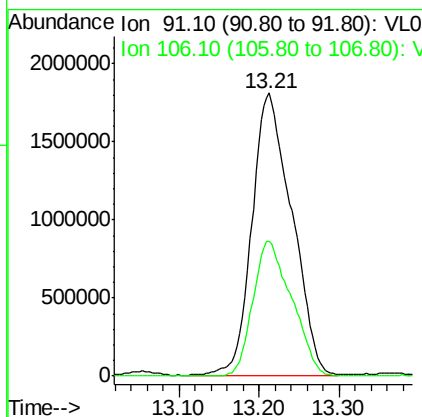
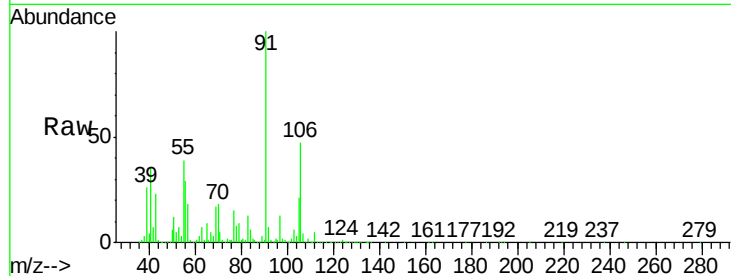
#59
m/p-Xylene
Concen: 17.89 ppbv
RT: 13.21 min Scan# 3771
Delta R.T. -0.01 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

Tot Ion: 91 Resp: 6157728
Ion Ratio Lower Upper
91 100
106 46.6 37.0 55.4

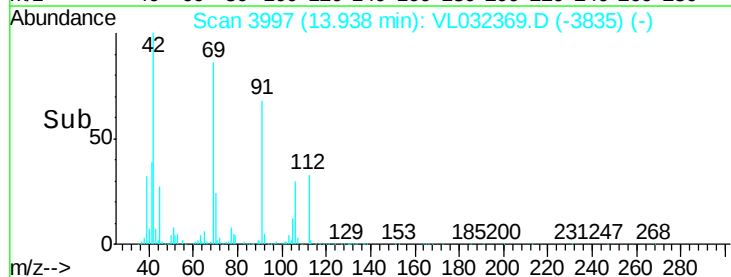
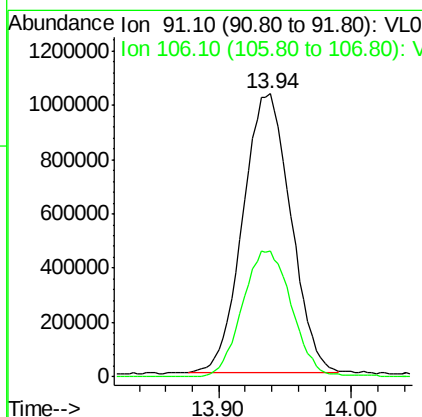
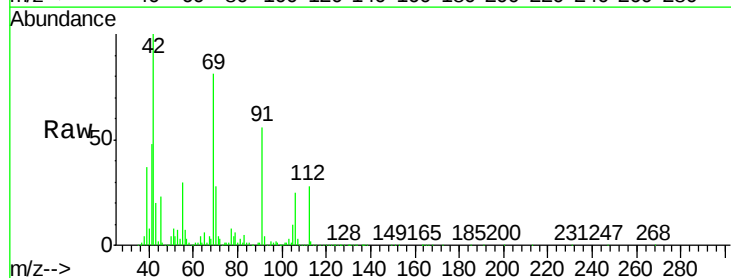
Manual Integrations
APPROVED

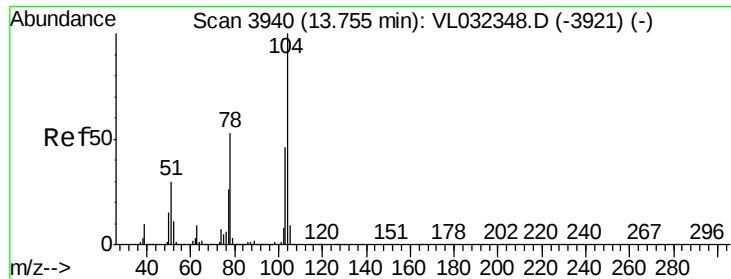
MMDadoda
8/17/2018 2:06:50 PM



#60
o-Xylene
Concen: 7.64 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion: 91 Resp: 2584239
Ion Ratio Lower Upper
91 100
106 46.8 22.3 66.8





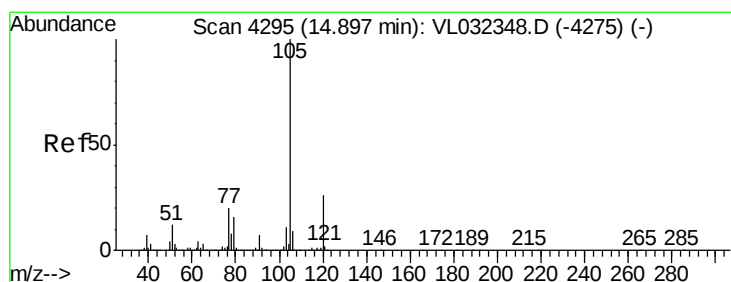
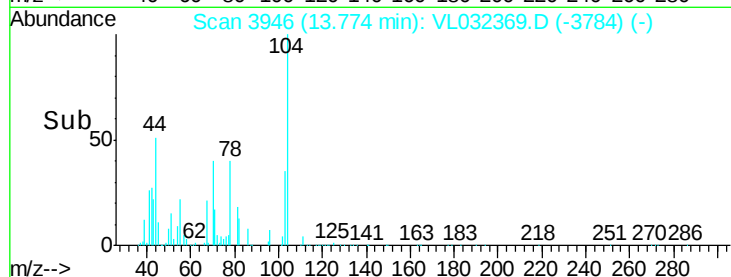
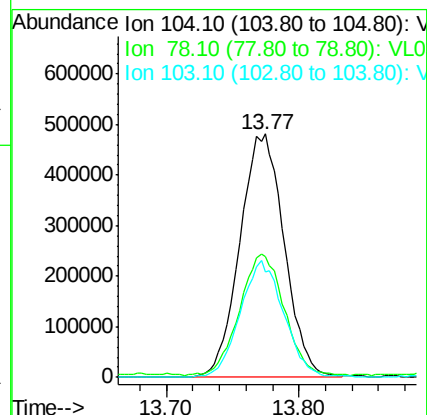
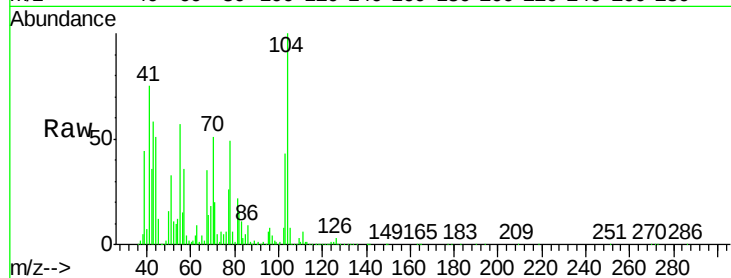
#61
Stvrene
Concen: 4.71 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampleId :
SS09-MIVI

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.6	64.0
103	47.1	38.0	57.0

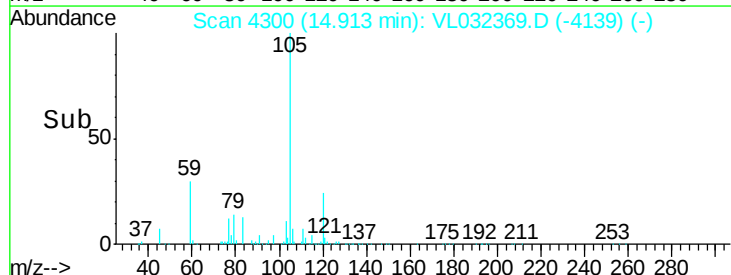
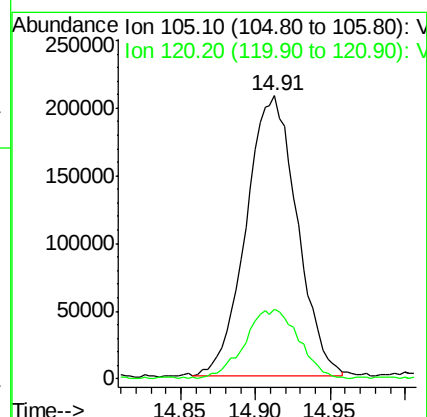
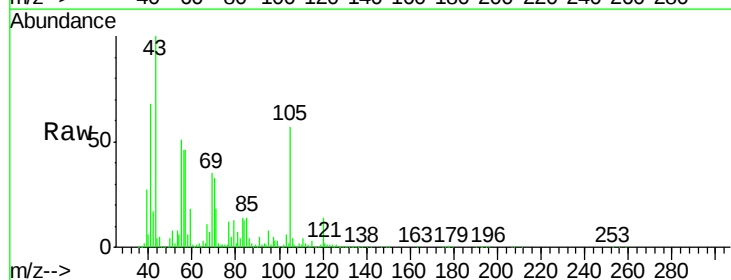
Manual Integrations
APPROVED

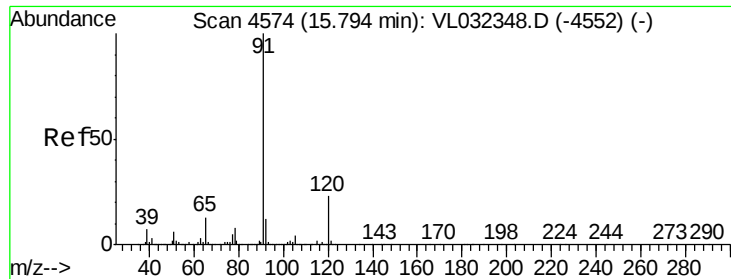
MMDadoda
8/17/2018 2:06:50 PM



#62
Isopropylbenzene
Concen: 1.01 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. 0.02 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.6	30.8





#64

n-propylbenzene

Concen: 2.11 ppbv

RT: 15.81 min Scan# 4578

Delta R.T. 0.01 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion:120 Resp: 263160

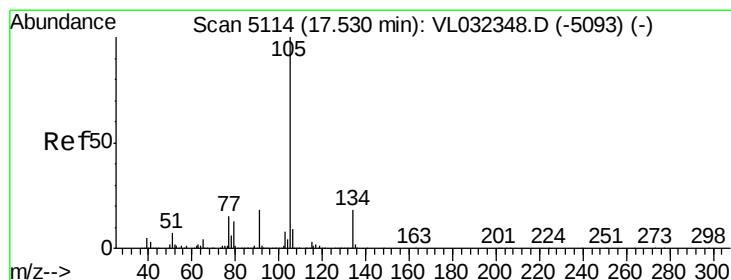
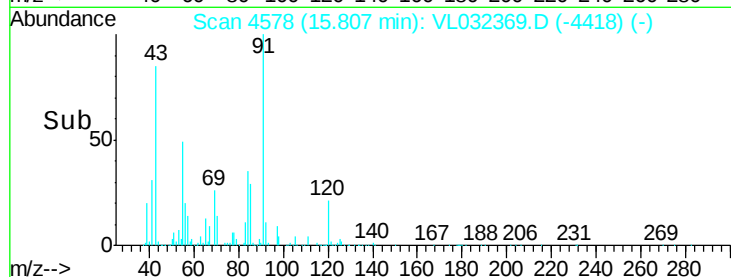
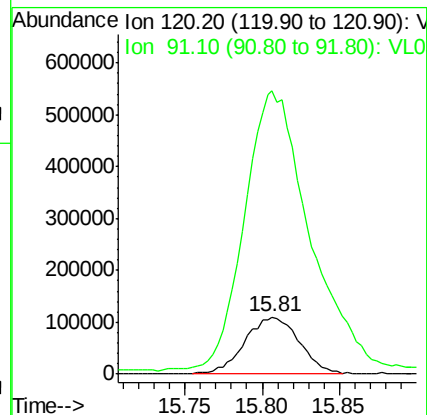
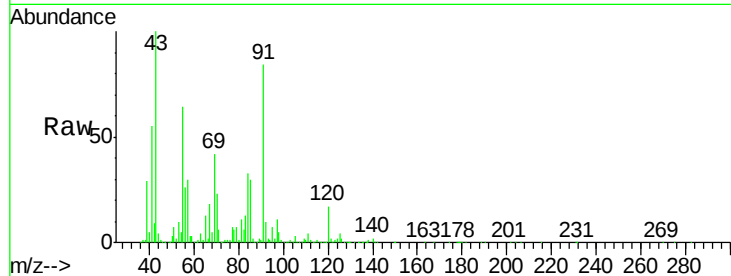
Ion Ratio Lower Upper

120 100

91 605.6 382.2 573.2#

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#67

sec-Butylbenzene

Concen: 0.81 ppbv

RT: 17.54 min Scan# 5116

Delta R.T. 0.01 min

Lab File: VL032369.D

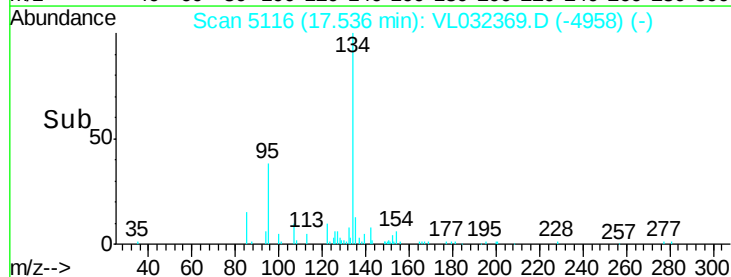
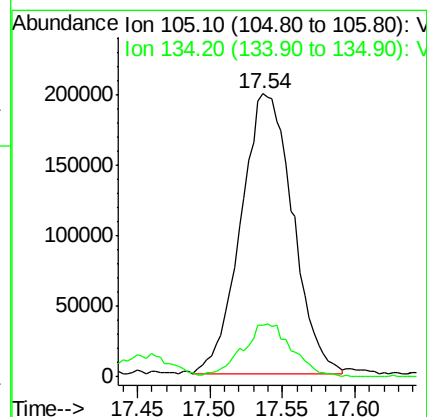
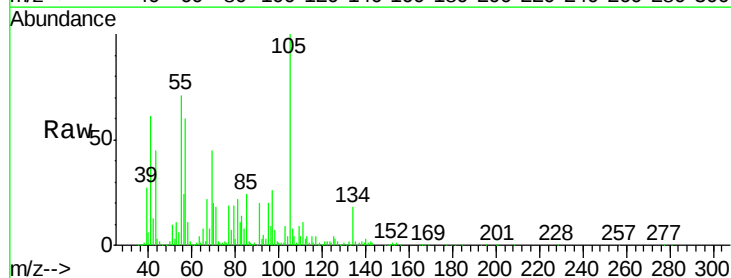
Acq: 16 Aug 2018 3:13

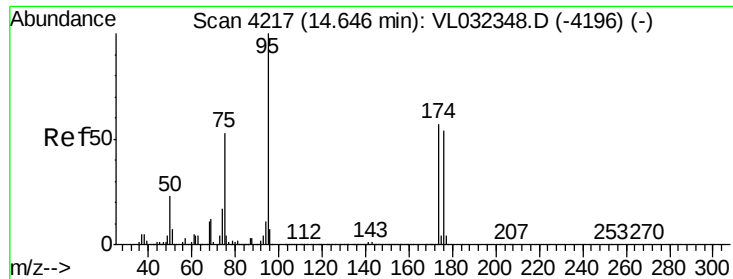
Tgt Ion:105 Resp: 494762

Ion Ratio Lower Upper

105 100

134 18.4 14.4 21.6





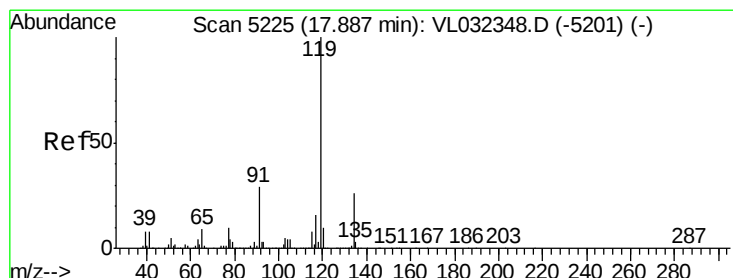
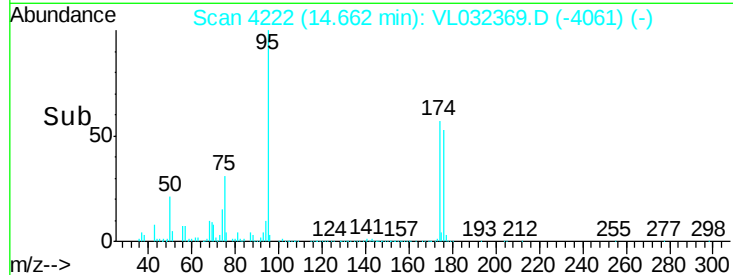
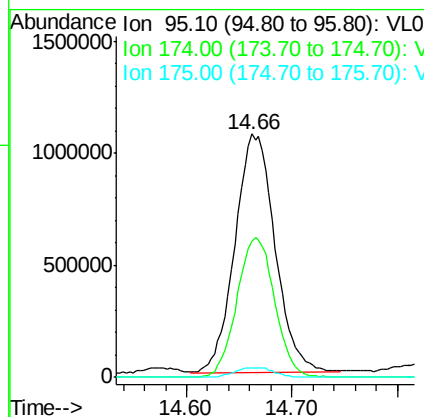
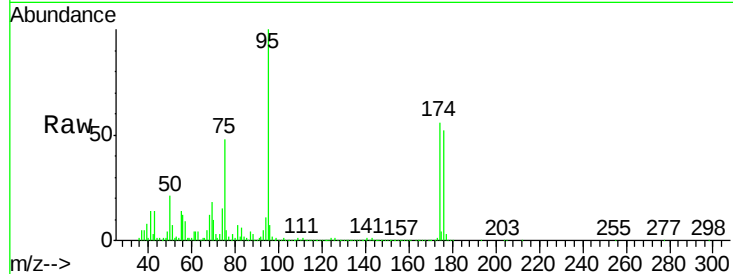
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.95 ppbv
 RT: 14.66 min Scan# 4222
 Delta R.T. 0.02 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SS09-MIVI

Tot Ion	Ratio	Lower	Upper
95	100		
174	55.2	46.2	69.4
175	4.0	3.4	5.0

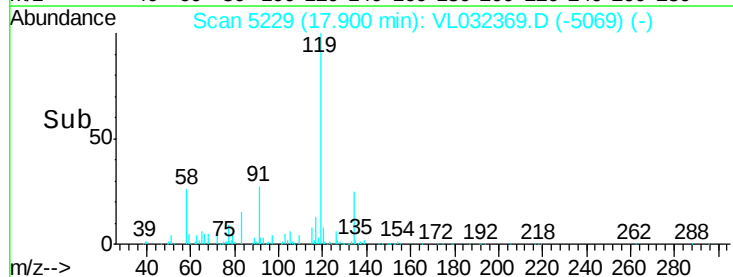
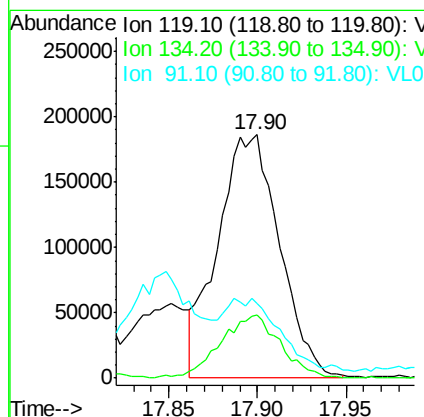
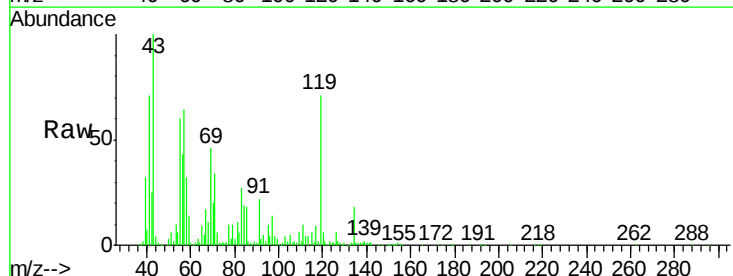
Manual Integrations
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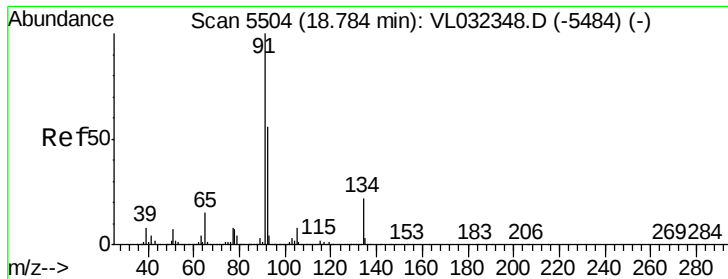
MMDadoda
 8/17/2018 2:06:50 PM



#69
 p-Isopropyltoluene
 Concen: 0.97 ppbv m
 RT: 17.90 min Scan# 5229
 Delta R.T. 0.01 min
 Lab File: VL032369.D
 Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	36.7	20.4	30.6#
91	45.5	23.6	35.4#





#70

n-Butylbenzene

Concen: 1.61 ppbv

RT: 18.80 min Scan# 5509

Delta R.T. 0.02 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

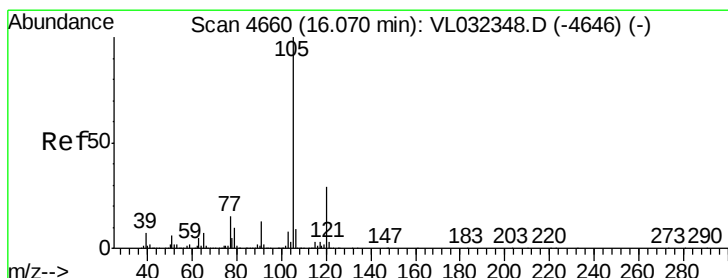
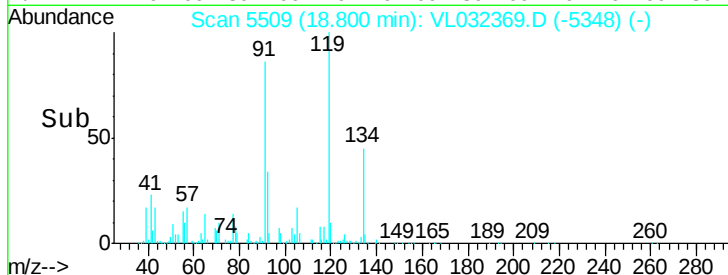
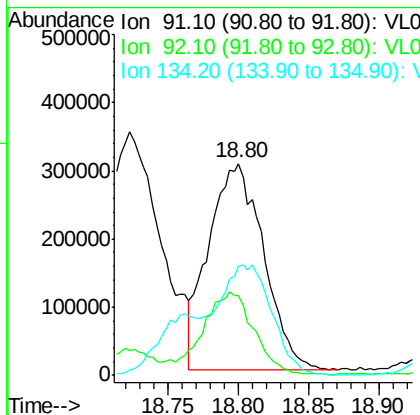
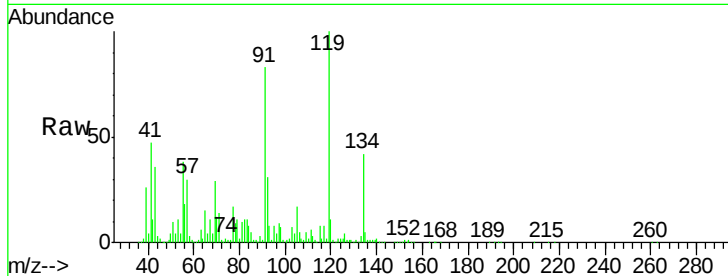
ClientSampleId :

SS09-MIVI

Tot Ion:	91	Resp:	825679
Ion Ratio	Lower	Upper	
91	100		
92	38.5	43.9	65.9#
134	75.5	17.3	25.9#

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#72

4-Ethyltoluene

Concen: 3.07 ppbv

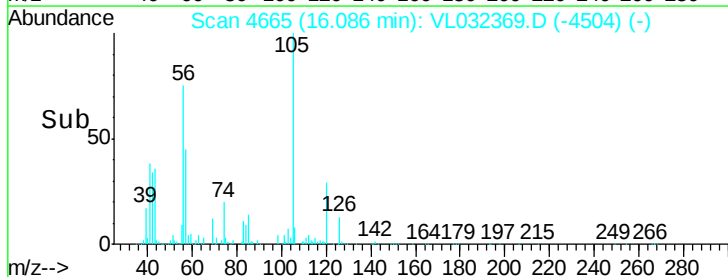
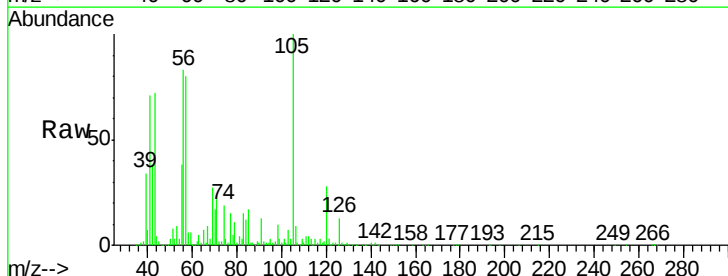
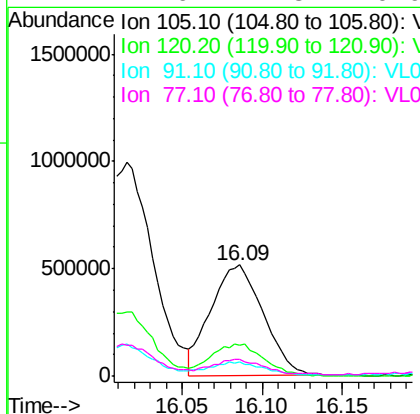
RT: 16.09 min Scan# 4665

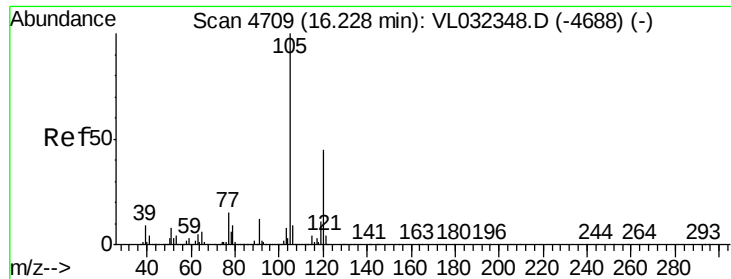
Delta R.T. 0.02 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Tgt Ion:	105	Resp:	1160524
Ion Ratio	Lower	Upper	
105	100		
120	29.9	23.4	35.0
91	12.0	10.0	15.0
77	14.6	11.3	16.9





#73

1,3,5-Trimethylbenzene

Concen: 2.92 ppbv

RT: 16.24 min Scan# 4713

Delta R.T. 0.01 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Instrument :

MSVOA_L

ClientSampleId :

SS09-MIVI

Tot Ion:105 Resp: 1059005

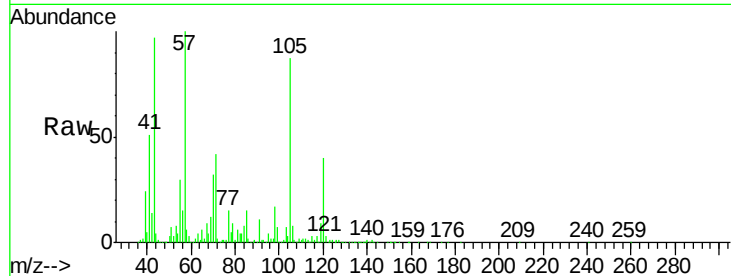
Ion Ratio Lower Upper

105 100

120 46.4 36.3 54.5

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8/17/2018 2:06:50 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.24

400000

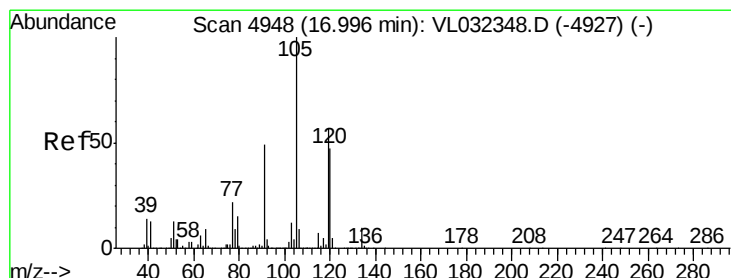
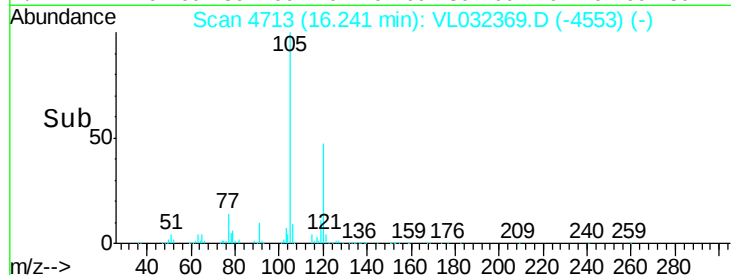
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.85 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. 0.01 min

Lab File: VL032369.D

Acq: 16 Aug 2018 3:13

Tgt Ion:105 Resp: 3032603

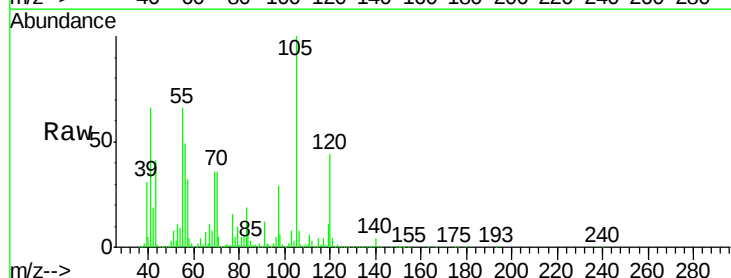
Ion Ratio Lower Upper

105 100

120 43.9 37.6 56.4

91 11.3 39.9 59.9#

77 15.4 17.8 26.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

17.01

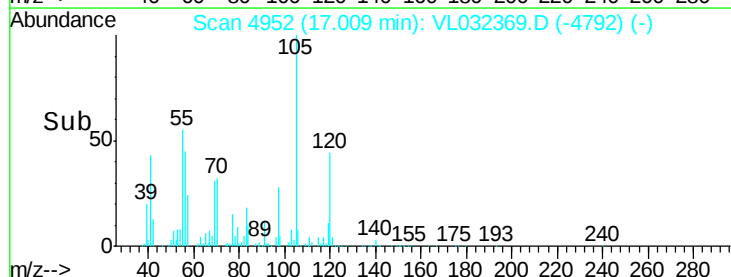
1500000

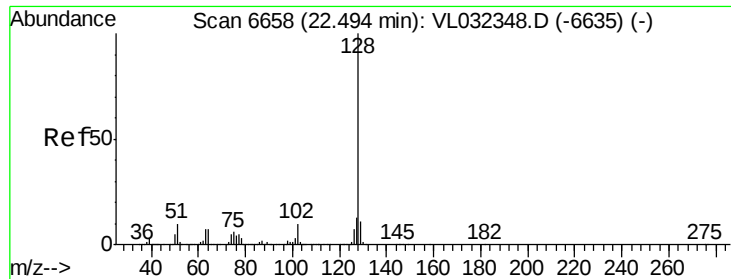
1000000

500000

0

Time-->





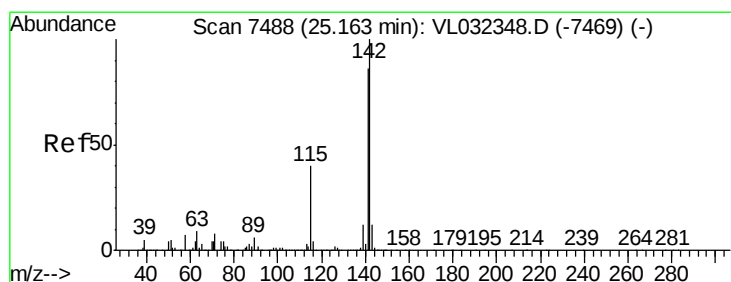
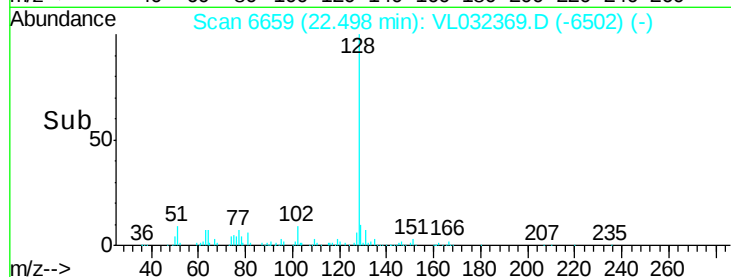
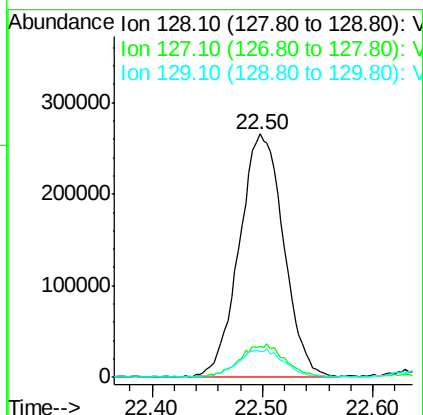
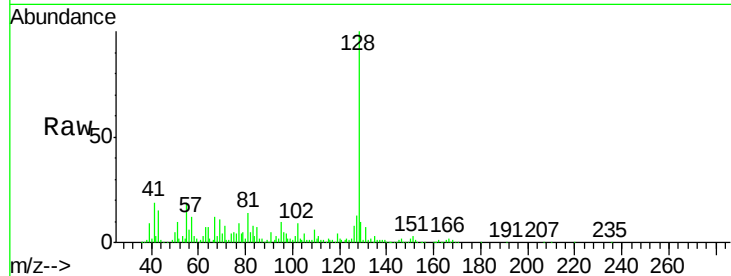
#79
Naphthalene
Concen: 2.29 ppbv
RT: 22.50 min Scan# 6659
Delta R.T. 0.00 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Instrument :
MSVOA_L
ClientSampled :
SS09-MIVI

Tot Ion	Ratio	Resp	Lower	Upper
128	100	734582		
127	12.3	10.3	15.5	
129	10.4	8.6	13.0	

Manual Integrations
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8/17/2018 2:06:50 PM



#80
Naphthalene, 2-methyl-
Concen: 3.03 ppbv m
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032369.D
Acq: 16 Aug 2018 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	233497		
141	47.6	66.7	100.1#	
115	22.5	31.0	46.6#	

