

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034141.D
 Acq On : 10 Sep 2019 13:59
 Operator : SY/AP
 Sample : K4775-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:52 AM

Quant Time: Sep 11 02:12:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	883871	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.25	114	1674737	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.17	117	1631017	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1443258	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	34528	0.237	ppbv	89
3) Chlorodifluoromethane	2.97	51	51478m	0.522	ppbv	
4) Chloromethane	3.12	50	45236	0.734	ppbv	94
5) Vinyl Chloride	3.25	62	4029m	0.072	ppbv	
7) Chloroethane	3.56	64	5012	0.262	ppbv	94
9) Propene	3.00	41	2629524	47.701	ppbv	100
10) Heptane	8.18	43	850223m	5.943	ppbv	
11) Trichlorofluoromethane	3.95	101	34336	0.289	ppbv	97
13) Ethanol	3.63	45	757310	70.128	ppbv	98
15) Acetone	3.87	43	15588675m	146.339	ppbv	
17) tert-Butyl alcohol	4.32	59	1810298	23.410	ppbv	98
19) Isopropyl Alcohol	3.99	45	2851284	39.656	ppbv #	97
20) Methylene Chloride	4.38	84	66940	1.901	ppbv #	79
26) Hexane	5.72	57	1101233	10.593	ppbv #	31
27) Carbon Disulfide	4.56	76	1071922	11.425	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	153105	1.005	ppbv	97
29) Chloroform	5.81	83	306753	2.188	ppbv	98
30) Cyclohexane	7.19	84	239756	3.190	ppbv #	83
31) cis-1,2-Dichloroethene	5.60	61	26983m	0.271	ppbv	
32) 1,1,1-Trichloroethane	6.57	97	10068m	0.076	ppbv	
34) 2-Butanone	5.28	43	7045361	43.759	ppbv #	76
35) Carbon Tetrachloride	7.08	117	5312m	0.041	ppbv	
36) Benzene	6.95	78	1042491	5.446	ppbv	94
38) Trichloroethene	7.90	130	15606m	0.218	ppbv	
44) 2,2,4-Trimethylpentane	7.93	57	3851902	10.914	ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	1026951	4.180	ppbv	99
51) 2-Hexanone	10.20	43	3577094	16.854	ppbv #	98
52) Tetrachloroethene	11.31	164	1325980	19.644	ppbv	97
53) Toluene	9.88	91	3345978	15.804	ppbv	100
58) Ethyl Benzene	12.79	91	1198698	4.482	ppbv	96
59) m/p-Xylene	13.05	91	3437457	15.756	ppbv	99
60) o-Xylene	13.78	91	1342307	6.177	ppbv	99
61) Styrene	13.61	104	68932m	0.424	ppbv	
62) Isopropylbenzene	14.76	105	104196	0.369	ppbv	99
64) n-propylbenzene	15.65	120	112687	1.591	ppbv	68
70) n-Butylbenzene	18.71	91	339271m	1.062	ppbv	
72) 4-Ethyltoluene	15.93	105	677083	2.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	474270	1.990	ppbv	92
74) 1,2,4-Trimethylbenzene	16.87	105	1658772	6.760	ppbv #	74
79) Naphthalene	22.34	128	81898m	0.369	ppbv	

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
QLast Update : Thu Sep 05 10:21:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

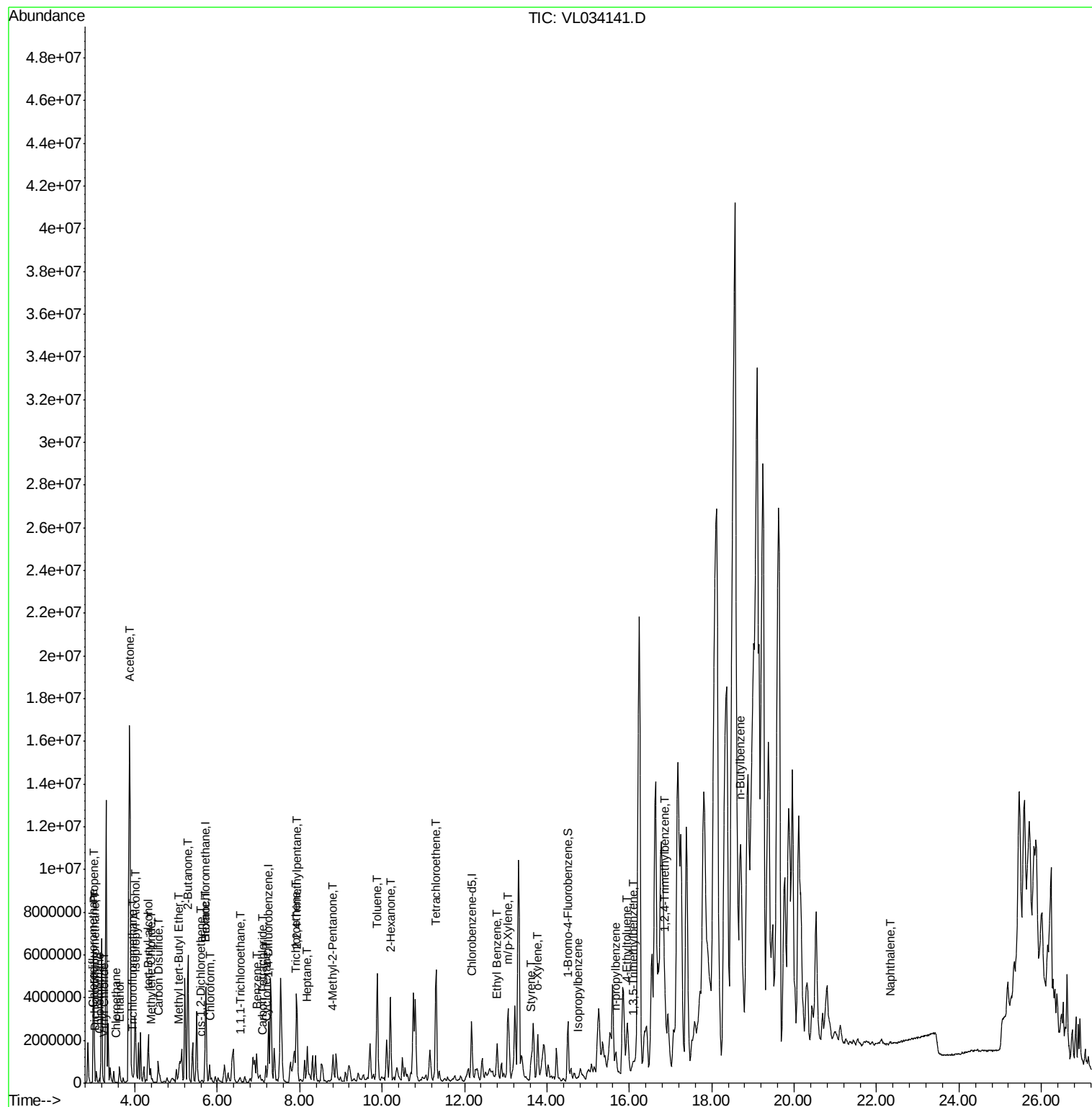
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
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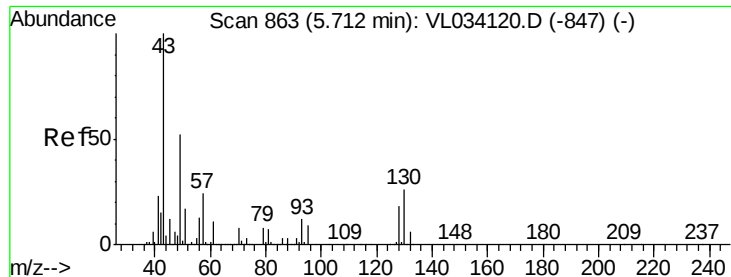
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 914

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

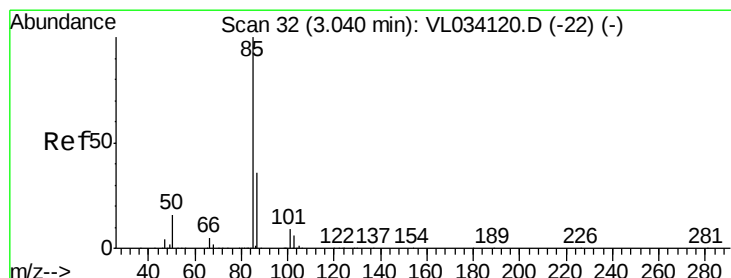
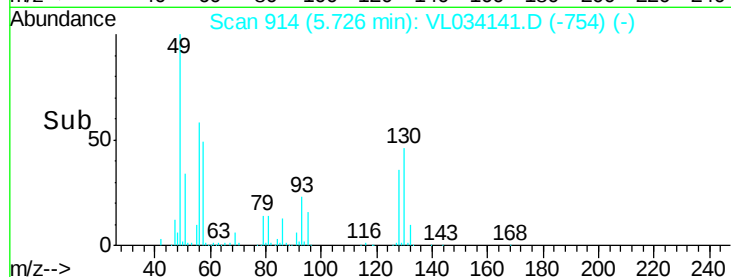
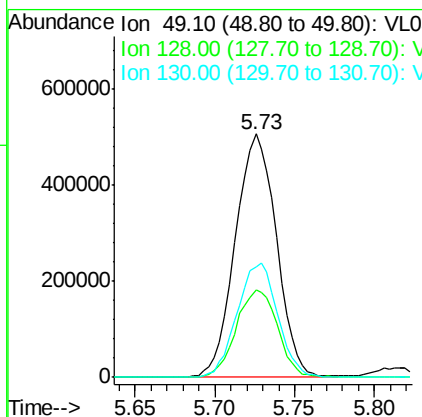
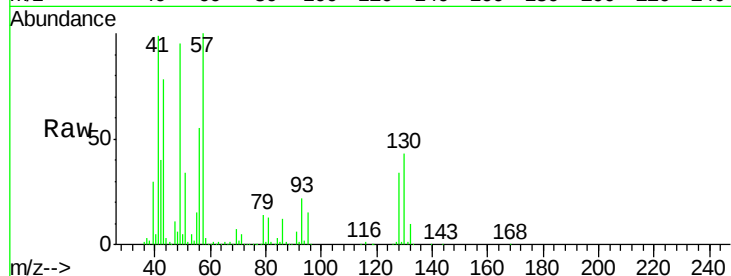
ClientSampleId :

SV5

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.3	18.4	55.0
130	46.5	23.5	70.6

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.237 ppbv

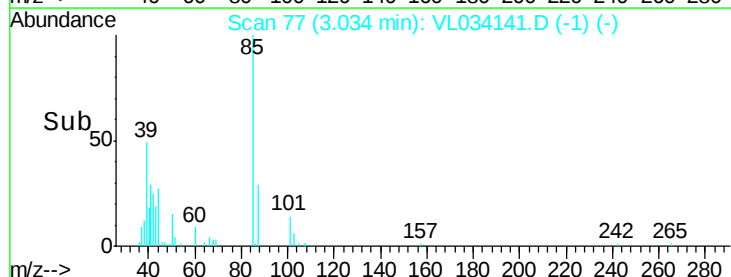
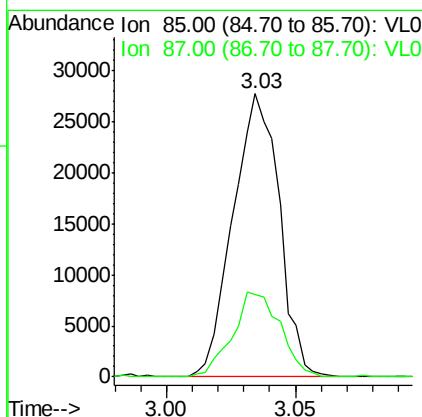
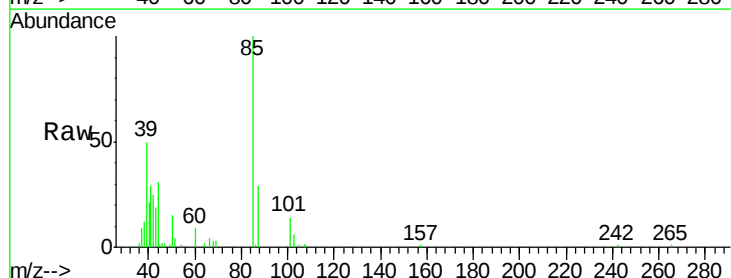
RT: 3.03 min Scan# 77

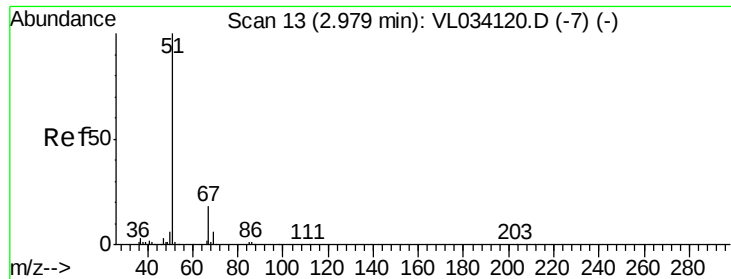
Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.1	28.6	43.0





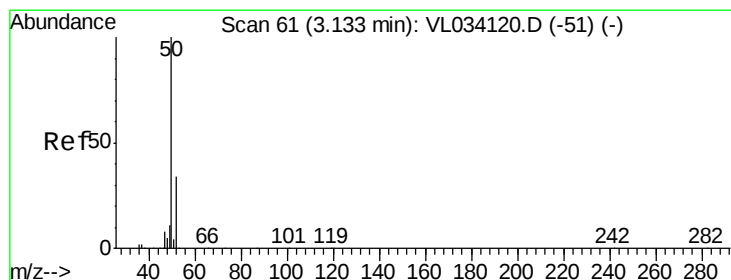
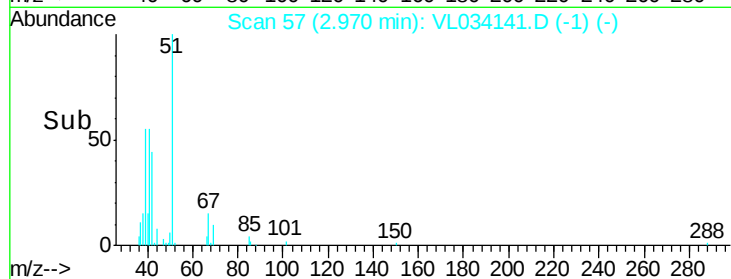
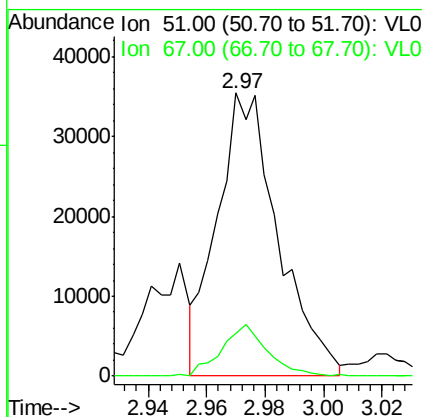
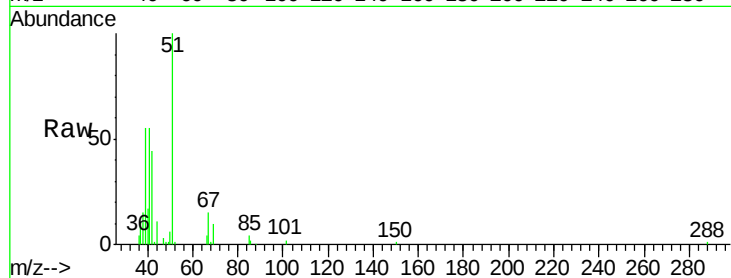
#3
Chlorodifluoromethane
Concen: 0.522 ppbv m
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tot Ion	Ratio	Lower	Upper
51	100		
67	13.8	14.2	21.4#

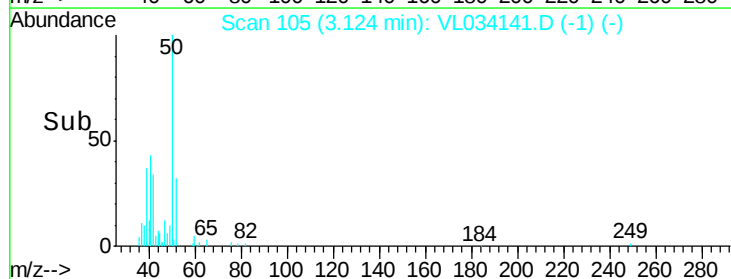
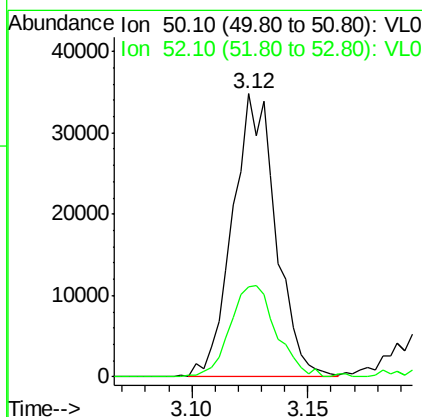
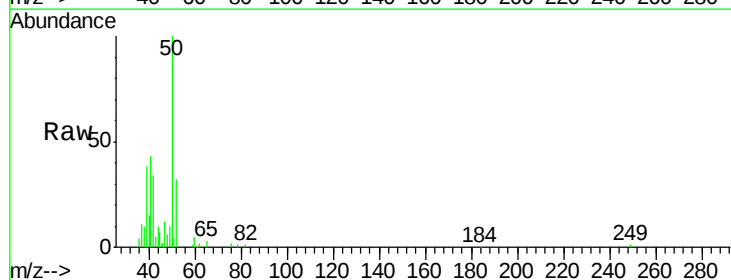
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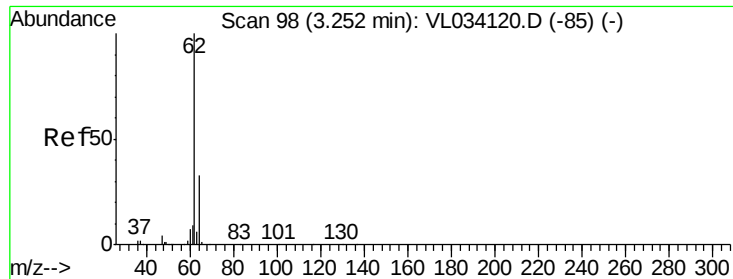
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#4
Chloromethane
Concen: 0.734 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.4	41.2





#5

Vinyl Chloride

Concen: 0.072 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion: 62 Resp: 4029

Ion Ratio Lower Upper

62 100

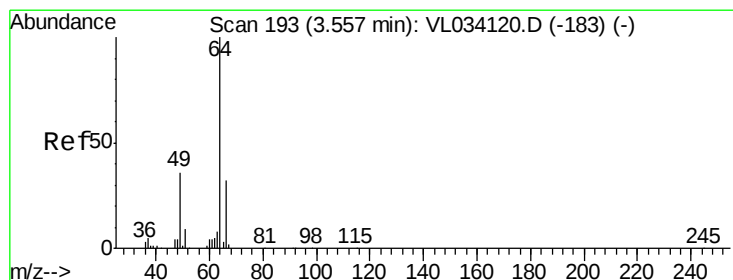
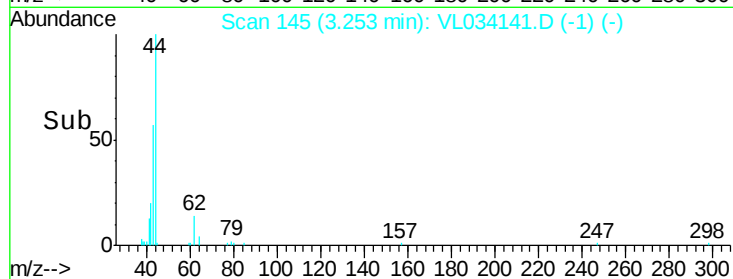
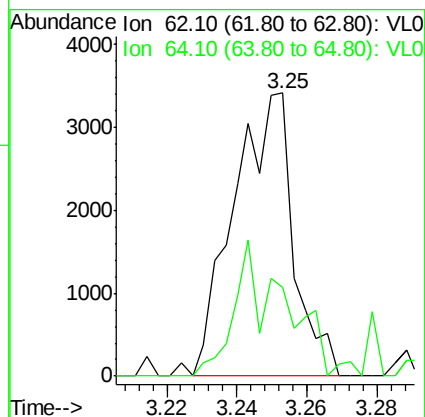
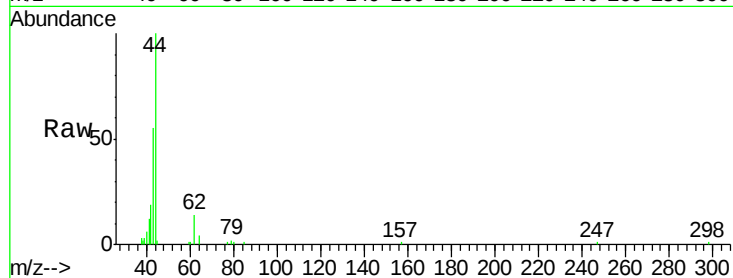
64 31.5 26.6 39.8

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#7

Chloroethane

Concen: 0.262 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL034141.D

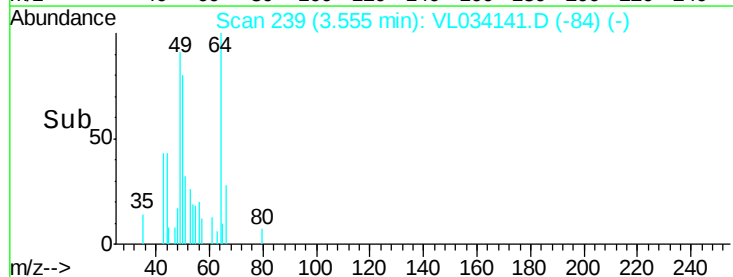
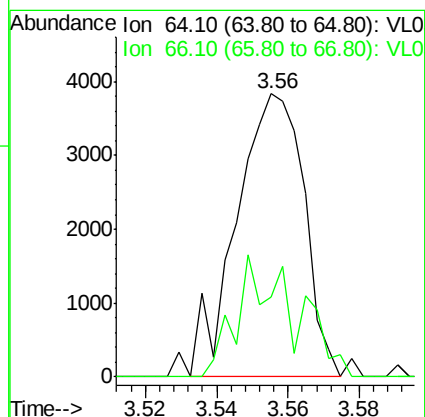
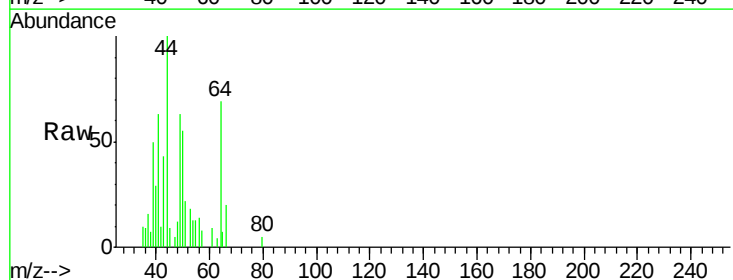
Acq: 10 Sep 2019 13:59

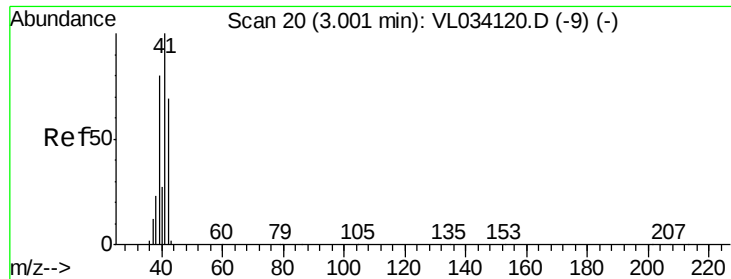
Tgt Ion: 64 Resp: 5012

Ion Ratio Lower Upper

64 100

66 28.4 25.4 38.2





#9

Propene

Concen: 47.701 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion: 41 Resp: 2629524

Ion Ratio Lower Upper

41 100

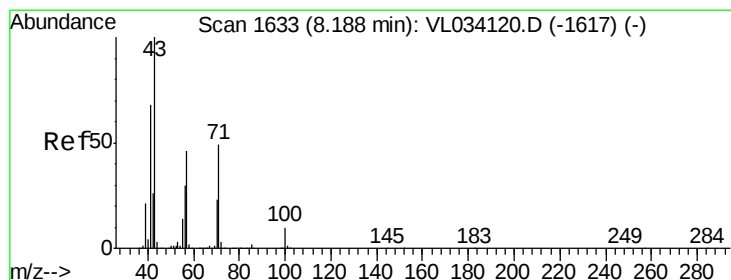
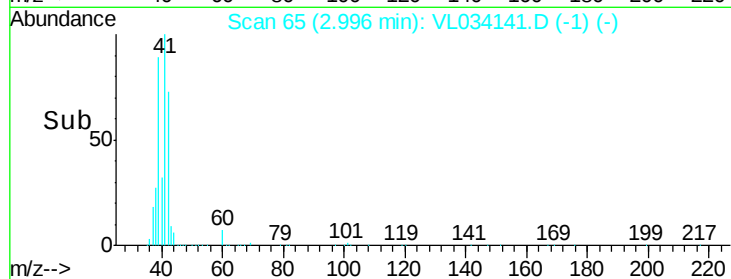
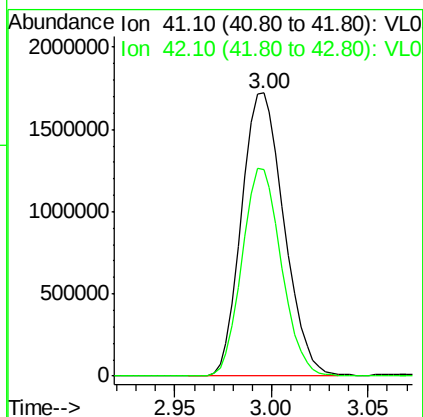
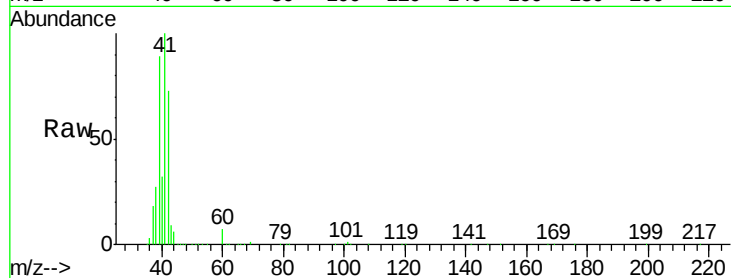
42 68.5 54.6 81.8

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#10

Heptane

Concen: 5.943 ppbv m

RT: 8.18 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VL034141.D

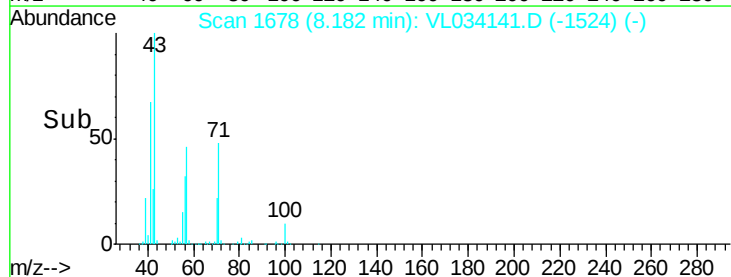
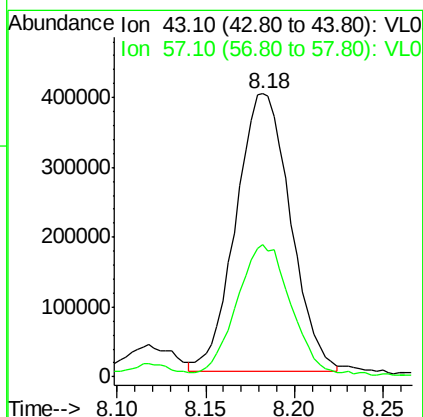
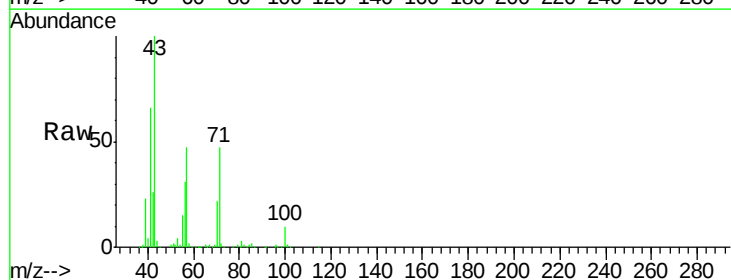
Acq: 10 Sep 2019 13:59

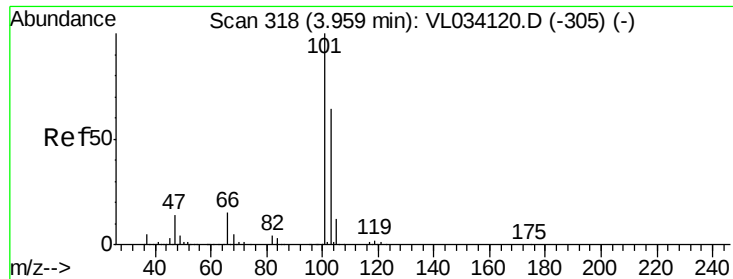
Tgt Ion: 43 Resp: 850223

Ion Ratio Lower Upper

43 100

57 0.0 38.1 57.1#





#11

Trichlorofluoromethane

Concen: 0.289 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion:101 Resp: 34336

Ion Ratio Lower Upper

101 100

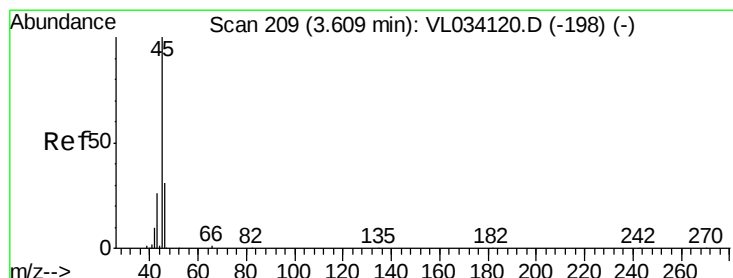
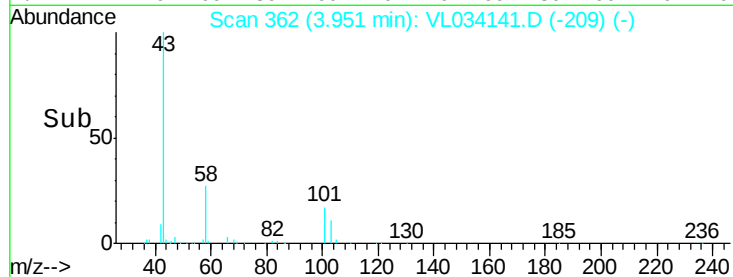
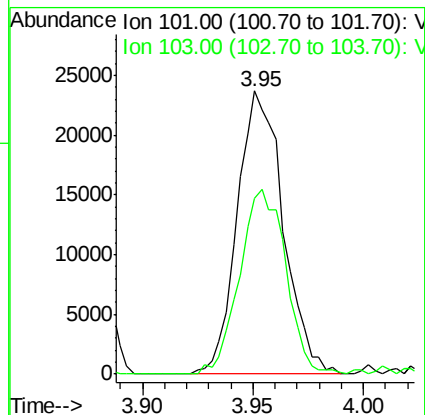
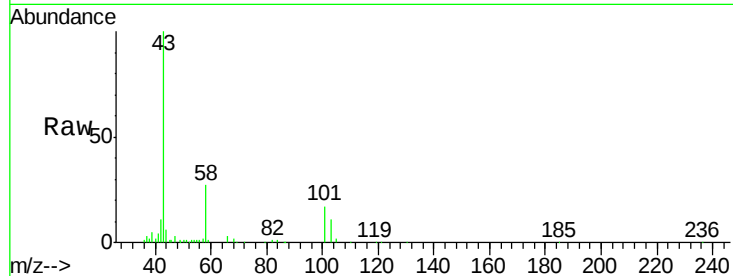
103 62.0 51.4 77.2

Manual Integrations

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#13

Ethanol

Concen: 70.128 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL034141.D

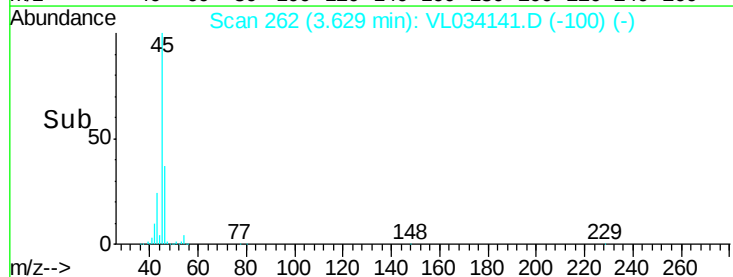
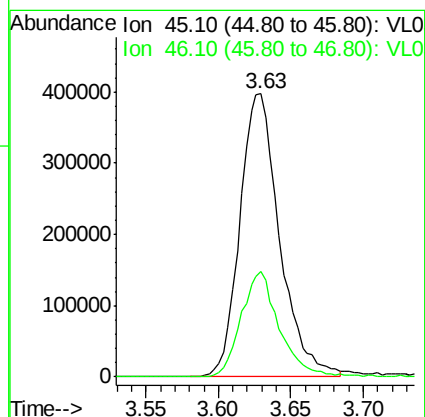
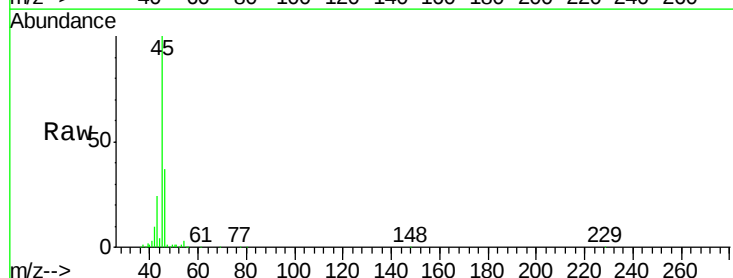
Acq: 10 Sep 2019 13:59

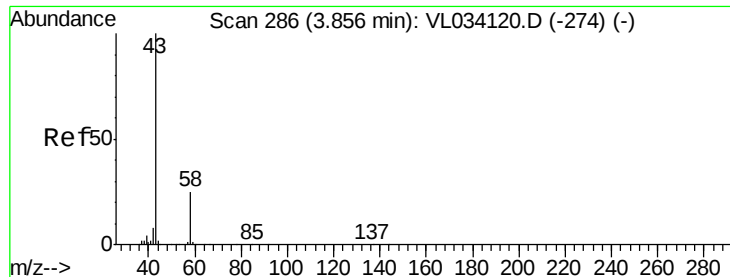
Tgt Ion: 45 Resp: 757310

Ion Ratio Lower Upper

45 100

46 36.3 15.0 60.0





#15

Acetone

Concen: 146.339 ppbv m

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tot Ion: 43 Resp:15588675

Ion Ratio Lower Upper

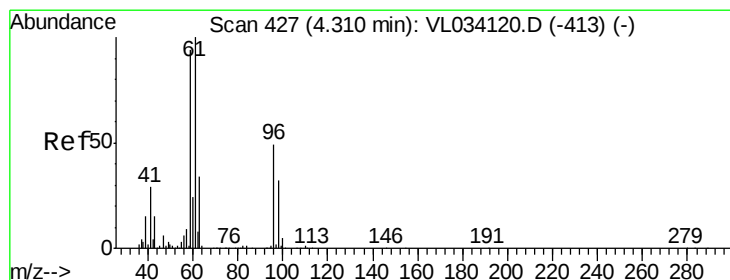
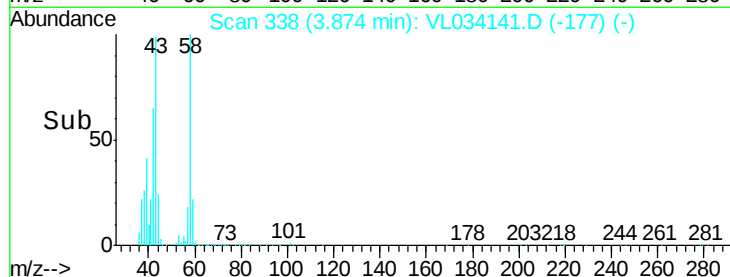
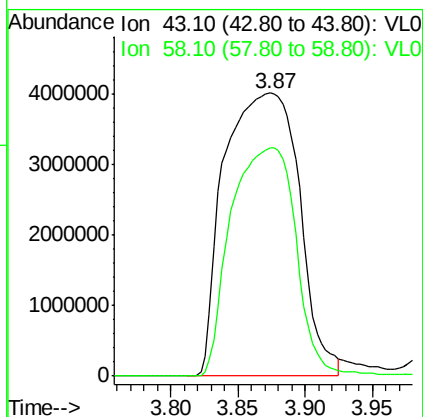
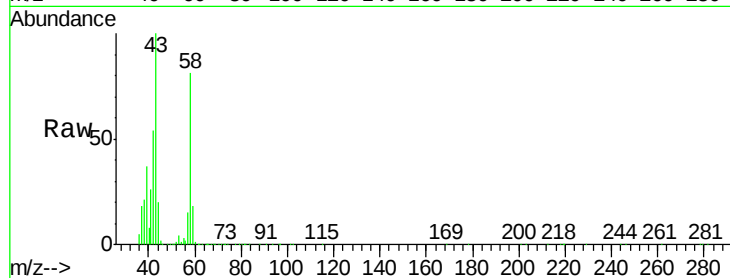
43 100

58 70.0 20.6 30.8#

Manual Integrations
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#17

tert-Butyl alcohol

Concen: 23.410 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL034141.D

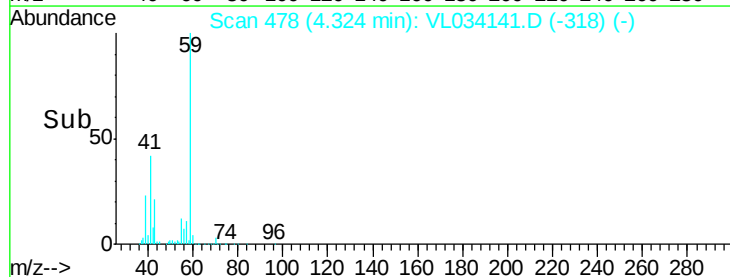
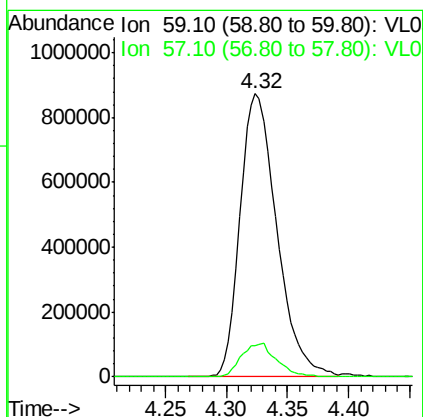
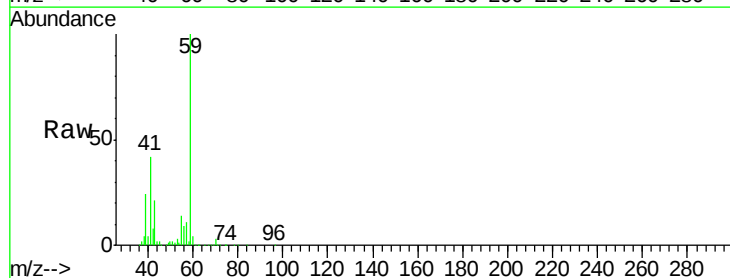
Acq: 10 Sep 2019 13:59

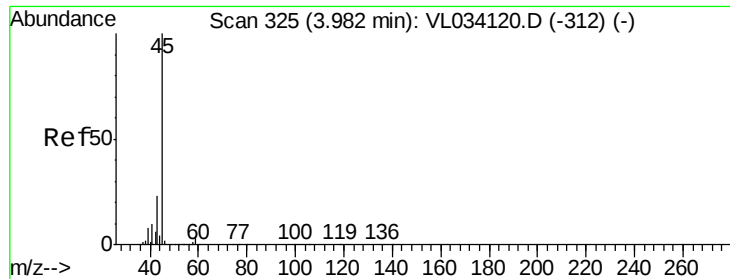
Tgt Ion: 59 Resp: 1810298

Ion Ratio Lower Upper

59 100

57 11.6 8.6 12.8





#19

Isopropyl Alcohol

Concen: 39.656 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion: 45 Resp: 2851284

Ion Ratio Lower Upper

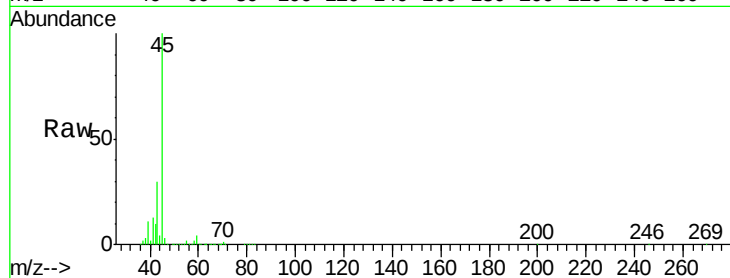
45 100

58 0.0 1.0 1.6#

Manual Integrations
APPROVED

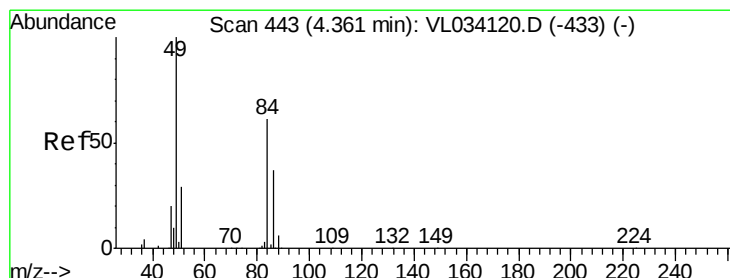
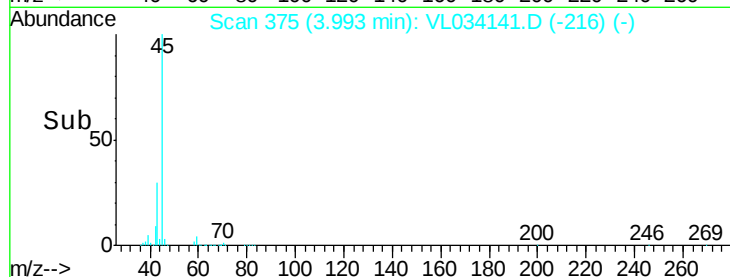
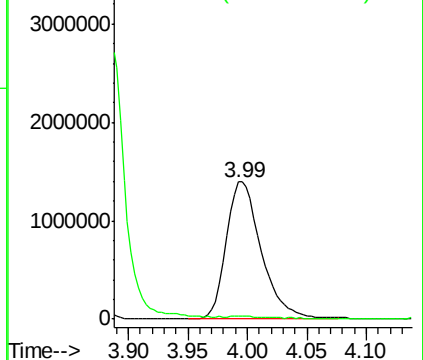
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.901 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.02 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion: 84 Resp: 66940

Ion Ratio Lower Upper

84 100

49 130.2 131.0 196.6#

51 68.2 38.1 57.1#

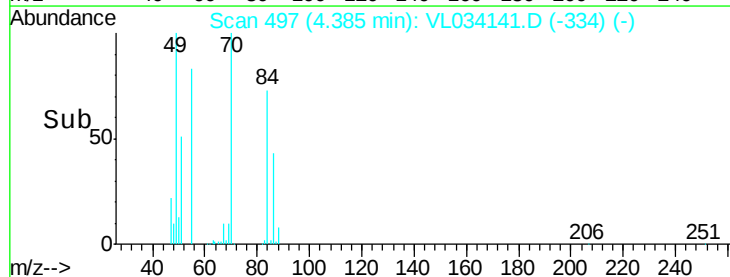
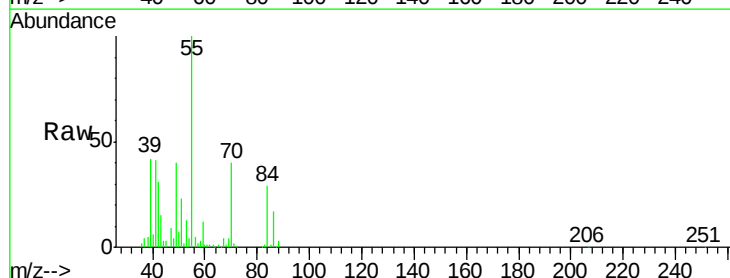
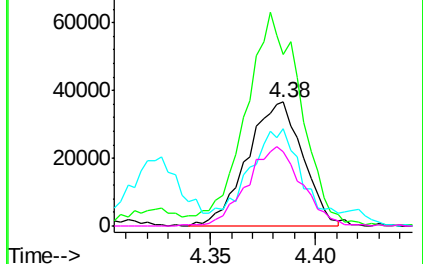
86 58.9 49.0 73.6

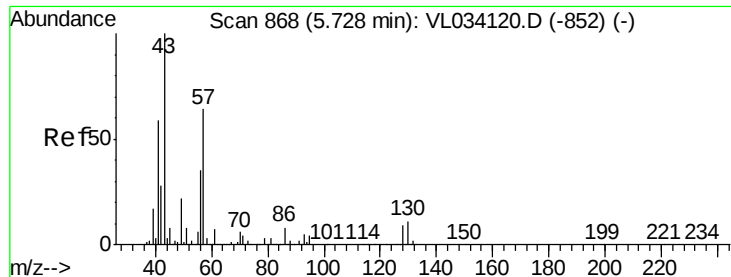
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





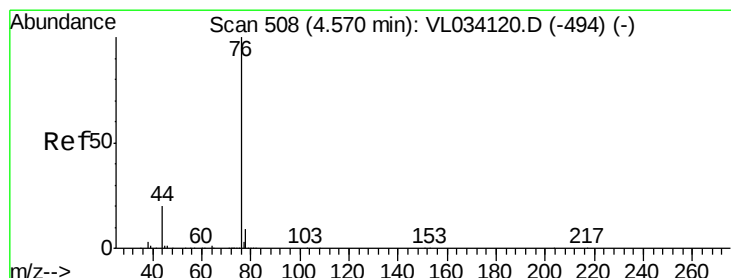
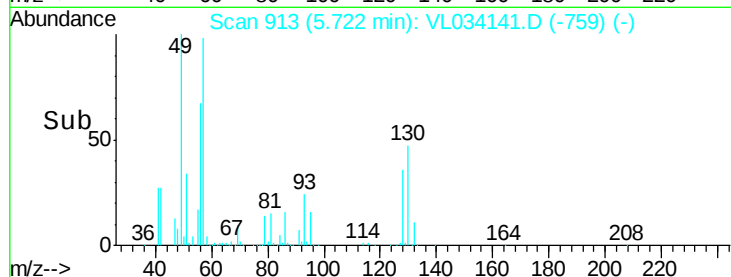
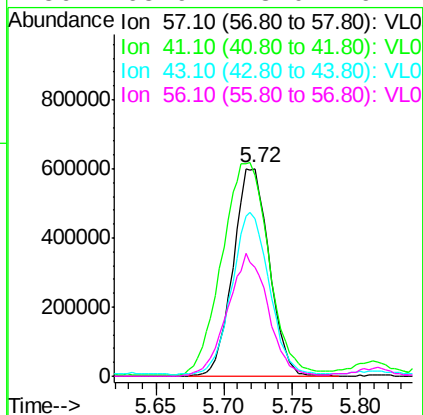
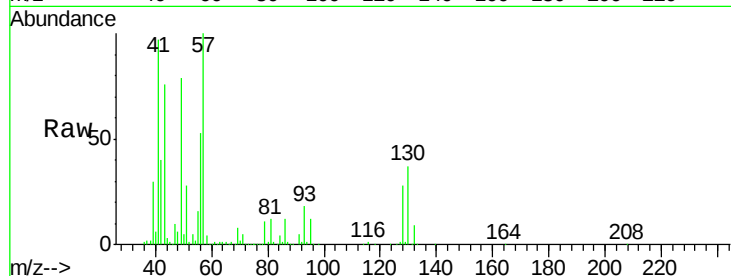
#26
Hexane
Concen: 10.593 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tot Ion: 57 Resp: 1101233
Ion Ratio Lower Upper
57 100
41 133.4 76.6 115.0#
43 80.8 189.2 283.8#
56 65.9 43.0 64.4#

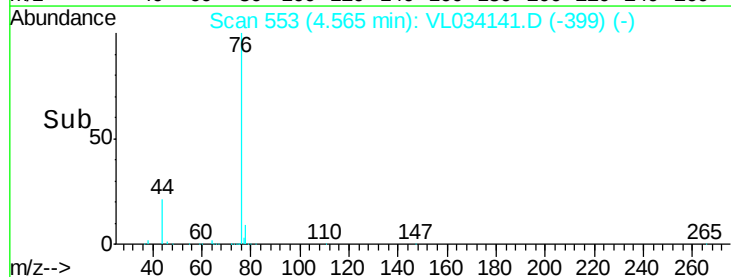
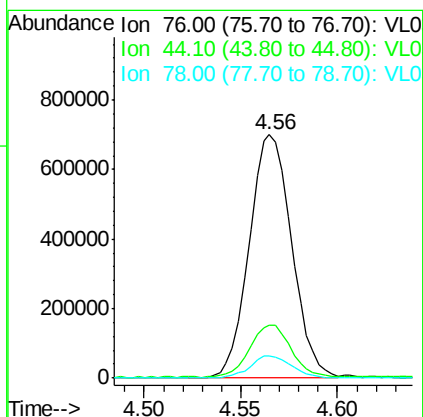
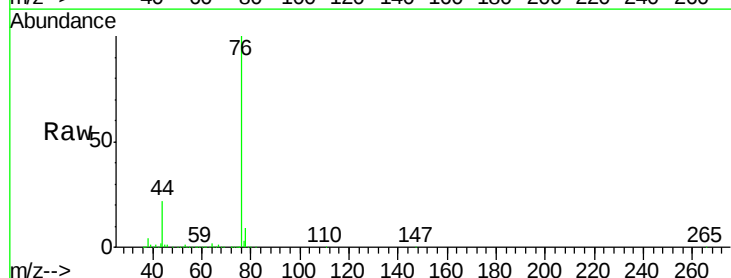
Manual Integrations
APPROVED

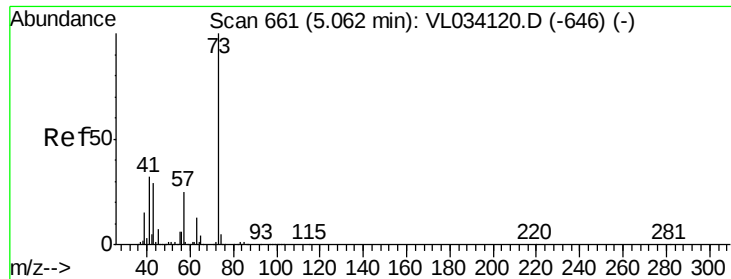
MMDadoda
9/12/2019 5:17:52 AM



#27
Carbon Disulfide
Concen: 11.425 ppbv
RT: 4.56 min Scan# 553
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 76 Resp: 1071922
Ion Ratio Lower Upper
76 100
44 22.4 17.6 26.4
78 9.0 7.3 10.9





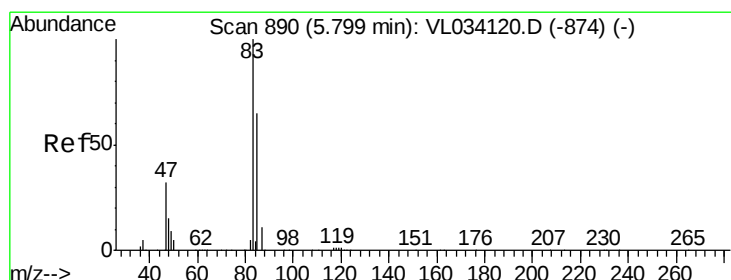
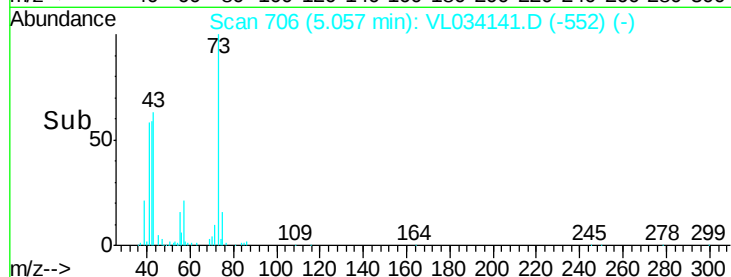
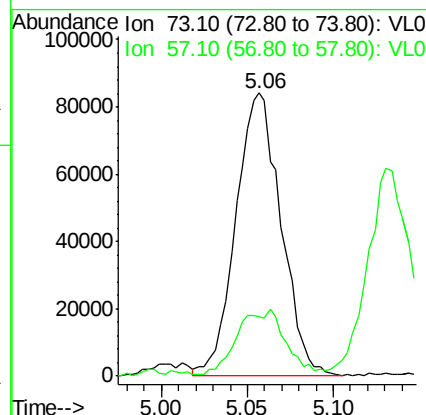
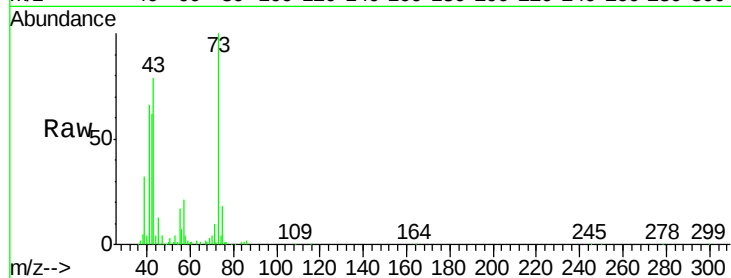
#28
Methvl tert-Butvl Ether
Concen: 1.005 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.8	29.8

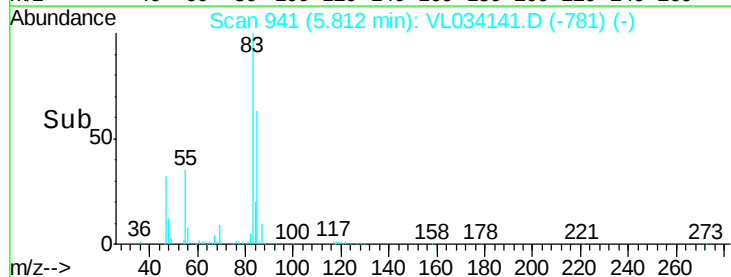
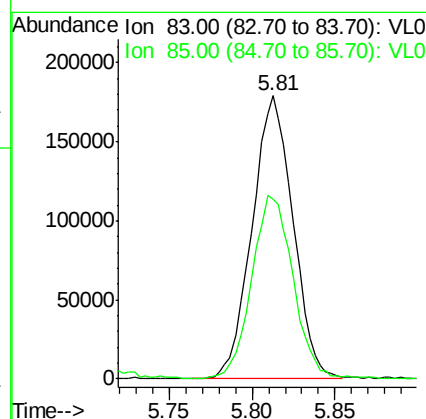
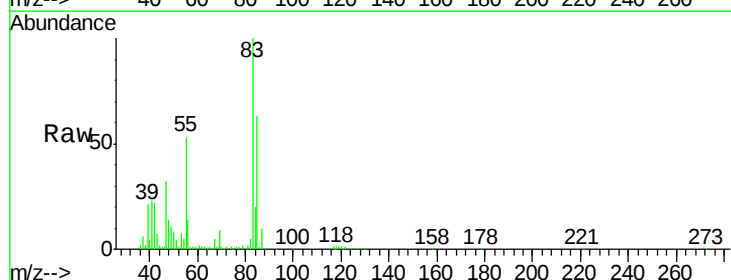
Manual Integrations
APPROVED

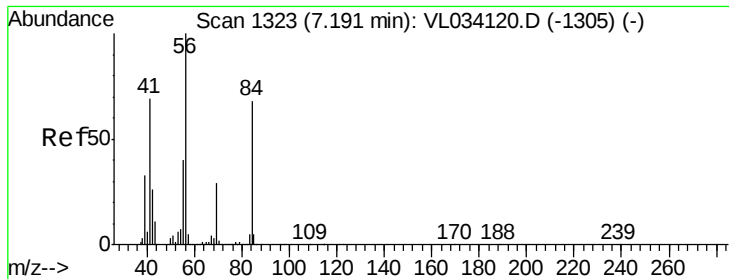
MMDadoda
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#29
Chloroform
Concen: 2.188 ppbv
RT: 5.81 min Scan# 941
Delta R.T. 0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6





#30

Cvclohexane

Concen: 3.190 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

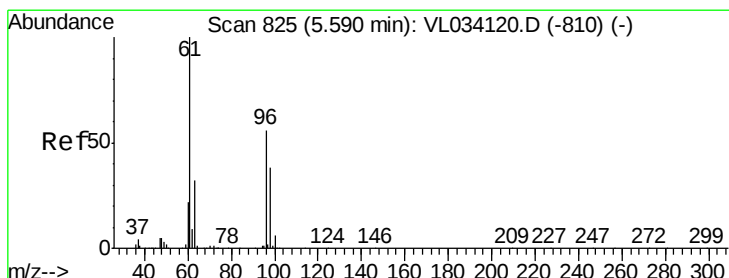
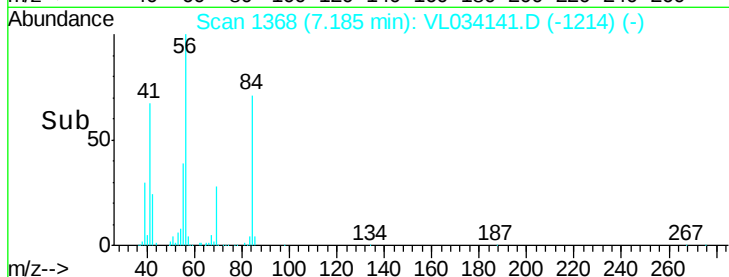
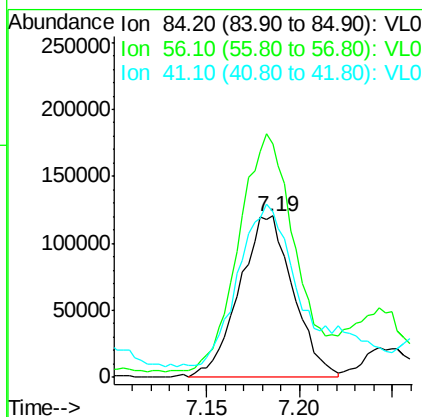
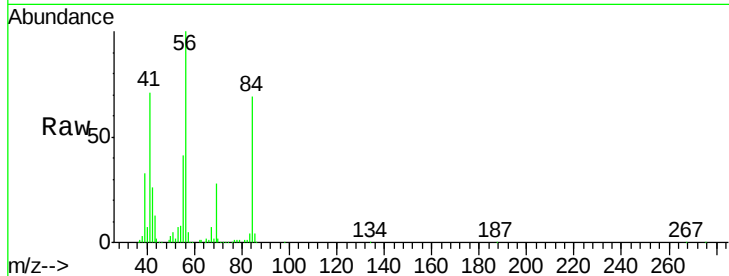
ClientSampled :

SV5

Tot Ion:	84	Resp:	239756
Ion	Ratio	Lower	Upper
84	100		
56	154.7	122.6	183.8
41	140.0	79.1	118.7#

Manual Integrations
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MMDadoda
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#31

cis-1,2-Dichloroethene

Concen: 0.271 ppbv m

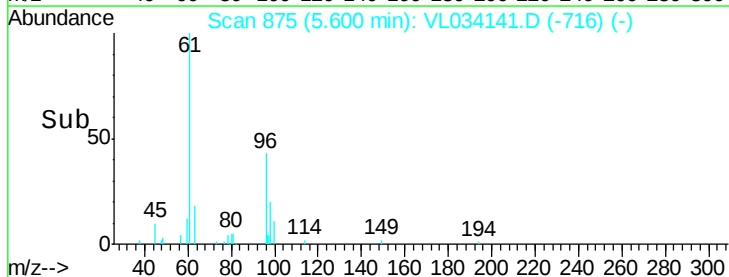
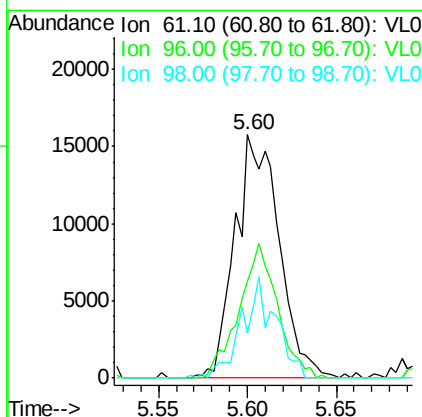
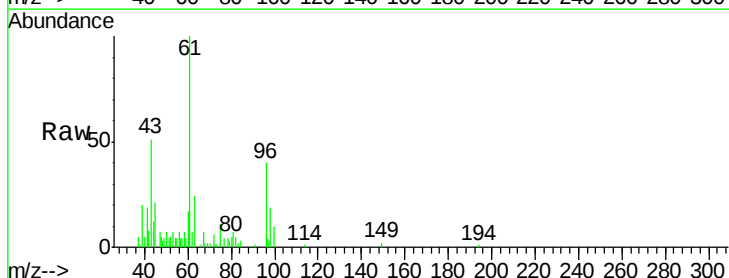
RT: 5.60 min Scan# 875

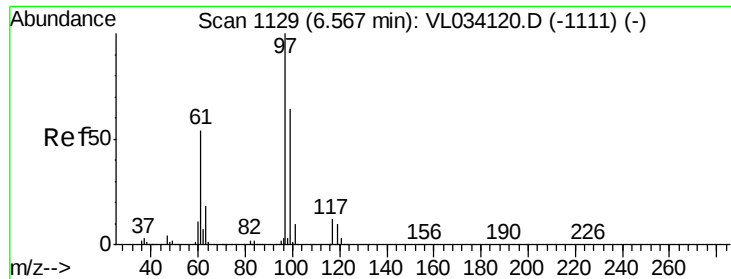
Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion:	61	Resp:	26983
Ion	Ratio	Lower	Upper
61	100		
96	39.7	44.4	66.6#
98	18.6	30.0	45.0#





#32

1,1,1-Trichloroethane

Concen: 0.076 ppbv m

RT: 6.57 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

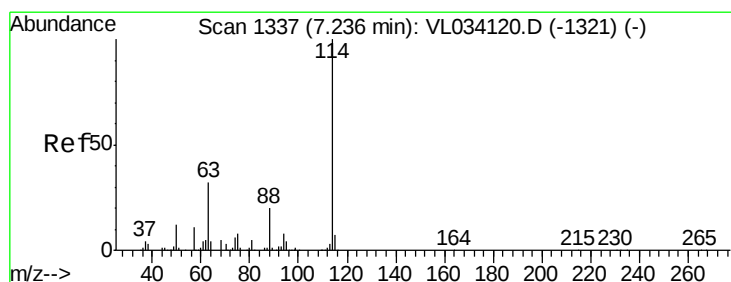
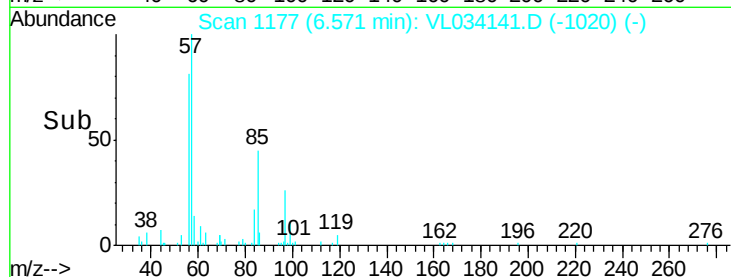
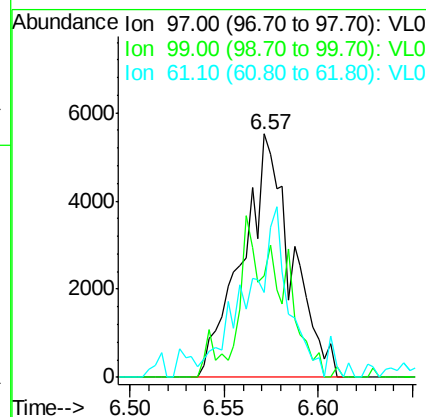
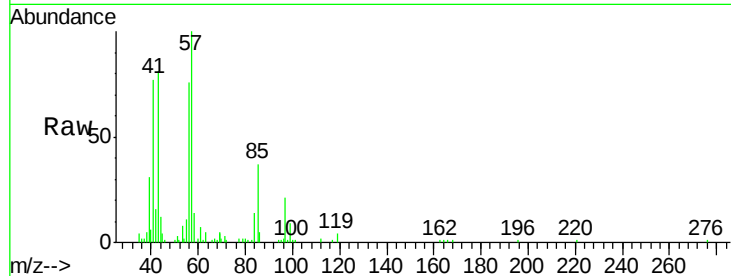
ClientSampled :

SV5

Tot Ion:	97	Resp:	10068
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.7	77.5#
61	0.0	44.0	66.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

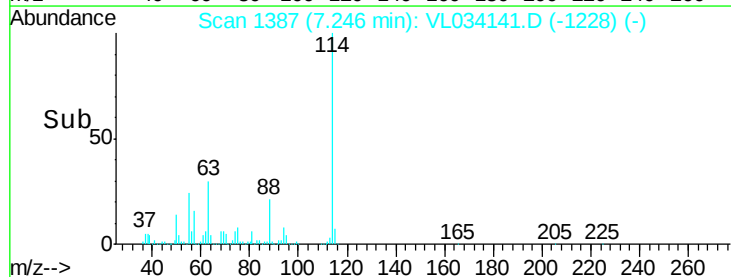
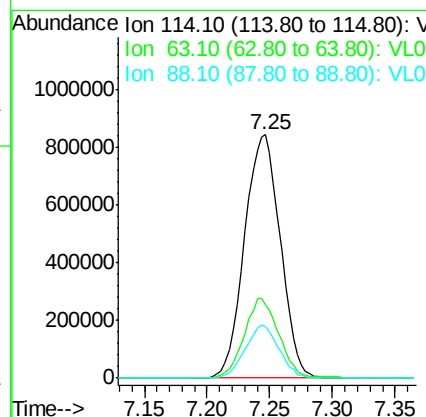
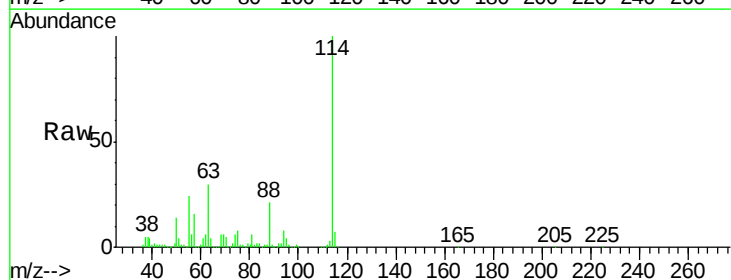
RT: 7.25 min Scan# 1387

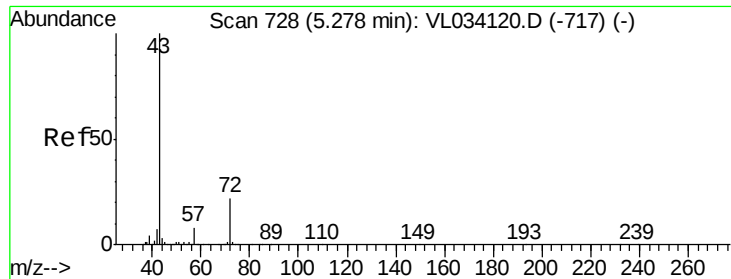
Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion:	114	Resp:	1674737
Ion Ratio	Lower	Upper	
114	100		
63	32.2	25.5	38.3
88	20.7	16.8	25.2





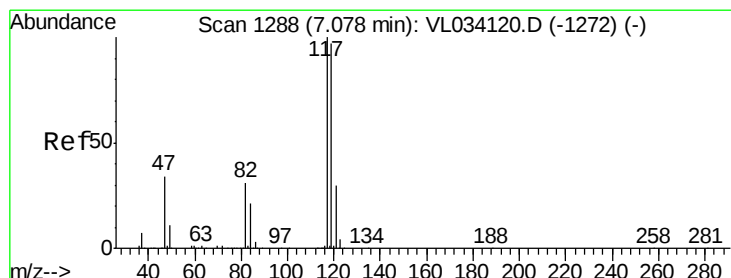
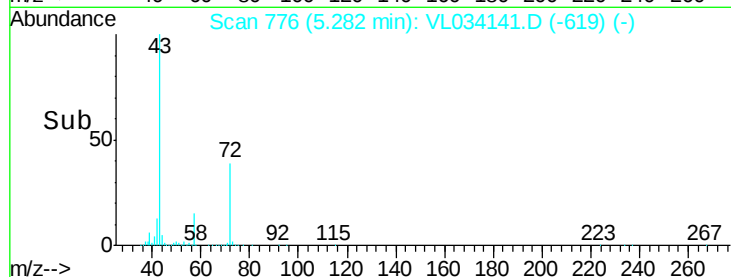
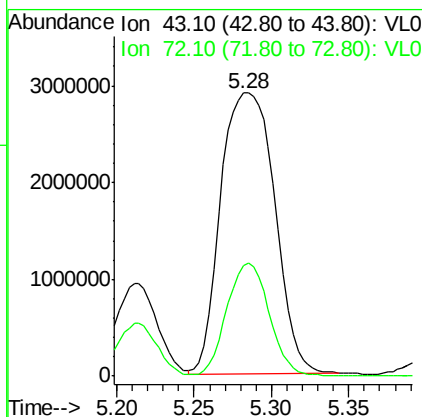
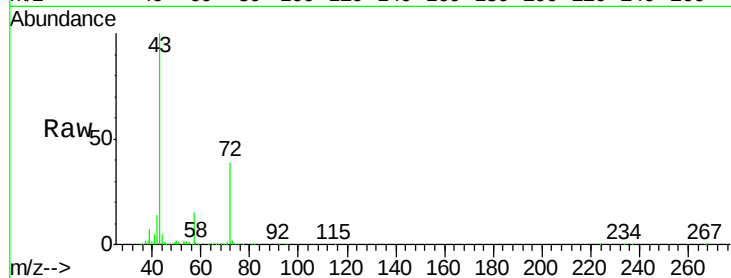
#34
2-Butanone
Concen: 43.759 ppbv
RT: 5.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampleId :
SV5

Tot Ion: 43 Resp: 7045361
Ion Ratio Lower Upper
43 100
72 31.7 16.5 24.7#

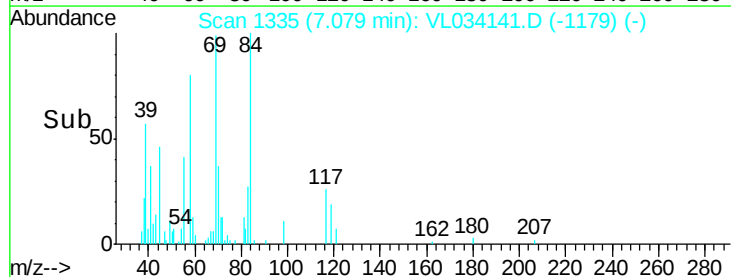
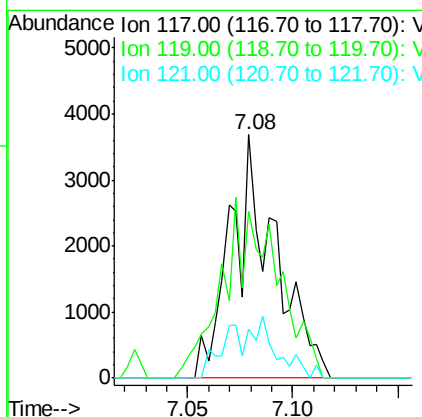
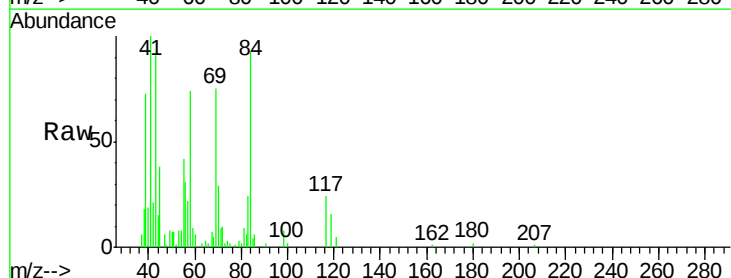
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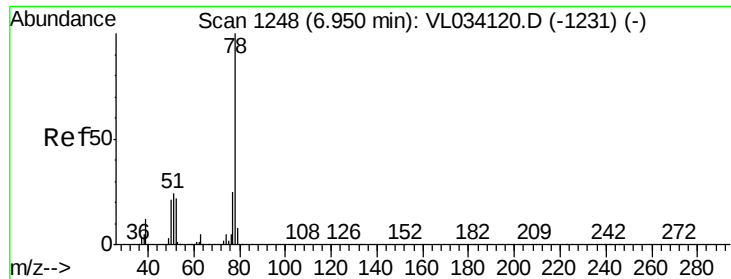
MMDadoda
9/12/2019 5:17:52 AM



#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 7.08 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 117 Resp: 5312
Ion Ratio Lower Upper
117 100
119 68.7 77.2 115.8#
121 20.3 24.2 36.4#





#36

Benzene

Concen: 5.446 ppbv

RT: 6.95 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tot Ion: 78 Resp: 1042491

Ion Ratio Lower Upper

78 100

77 21.0 20.3 30.5

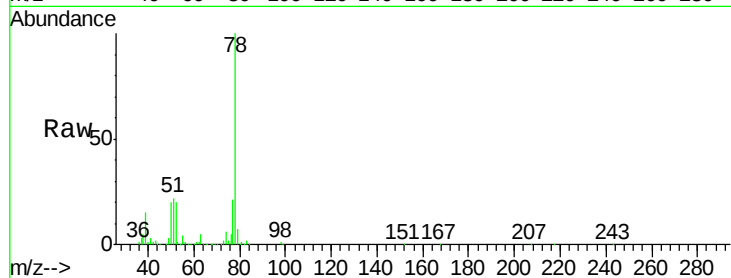
50 19.7 16.9 25.3

Manual Integrations

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MMDadoda

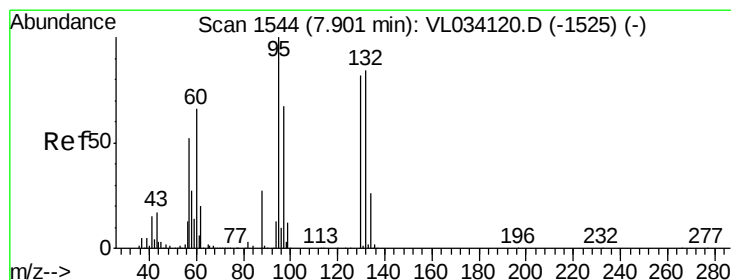
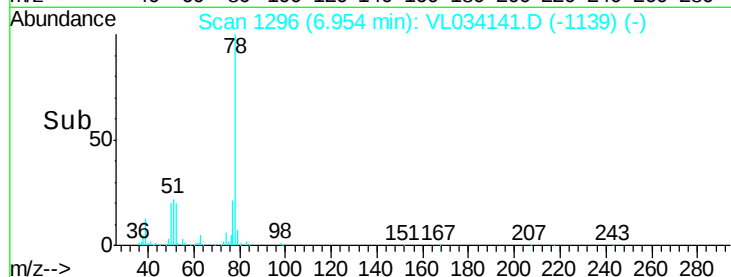
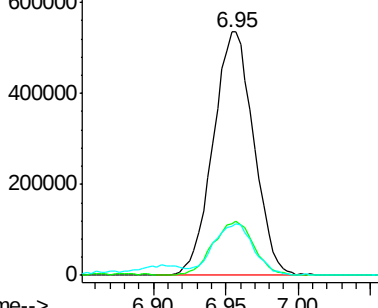
9/12/2019 5:17:52 AM



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#38

Trichloroethene

Concen: 0.218 ppbv m

RT: 7.90 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion:130 Resp: 15606

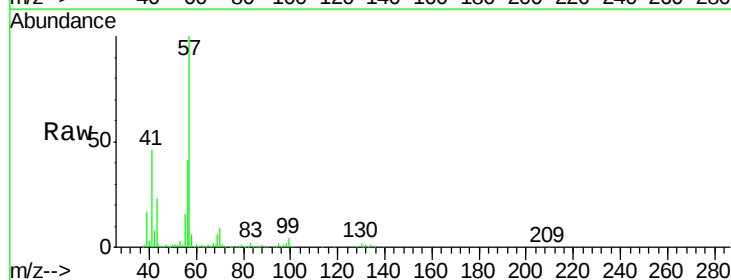
Ion Ratio Lower Upper

130 100

95 111.9 97.2 145.8

132 76.9 81.4 122.2#

97 76.9 64.8 97.2

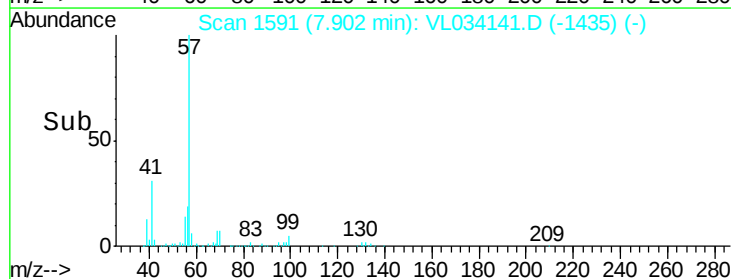
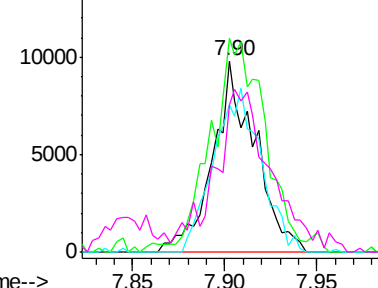


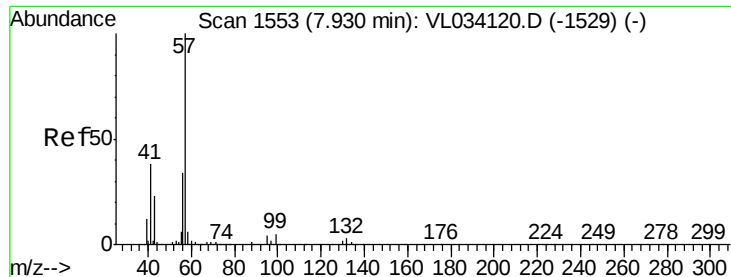
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





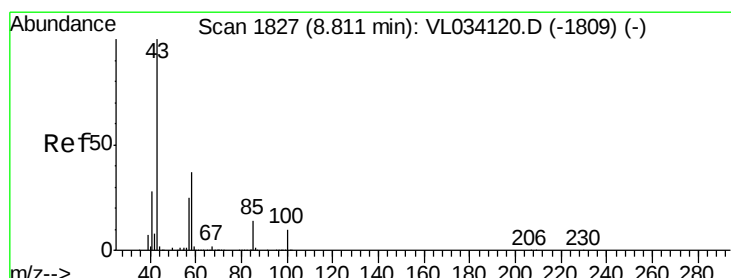
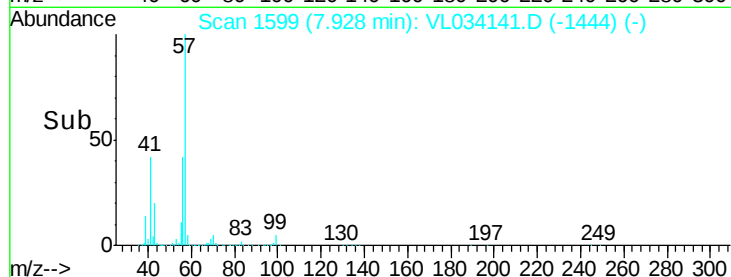
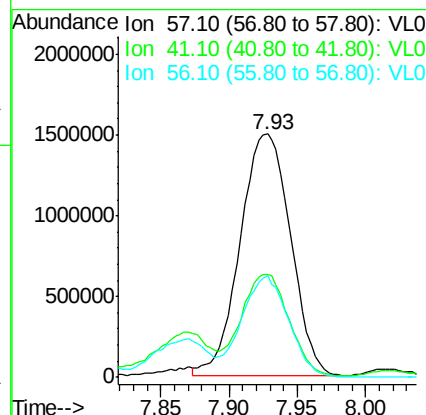
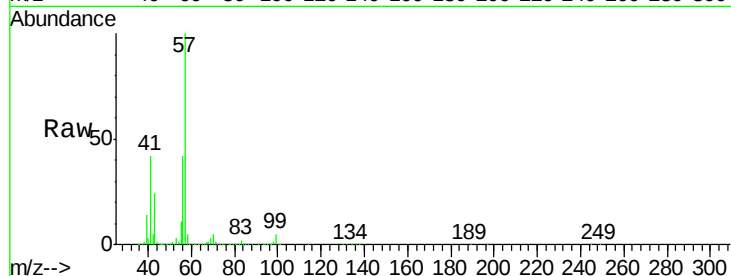
#44
 2,2,4-Trimethylpentane
 Concen: 10.914 ppbv
 RT: 7.93 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Instrument :
 MSVOA_L
 ClientSampled :
 SV5

Tot Ion	Ratio	Lower	Upper
57	100		
41	39.3	28.4	42.6
56	38.0	26.3	39.5

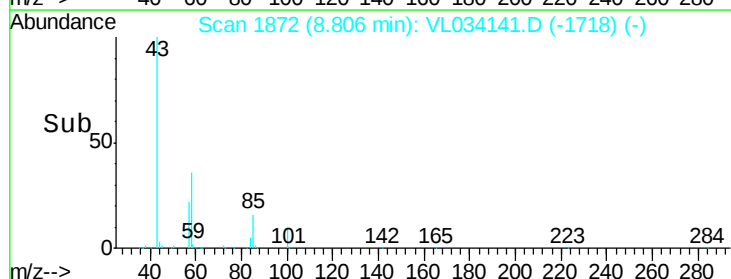
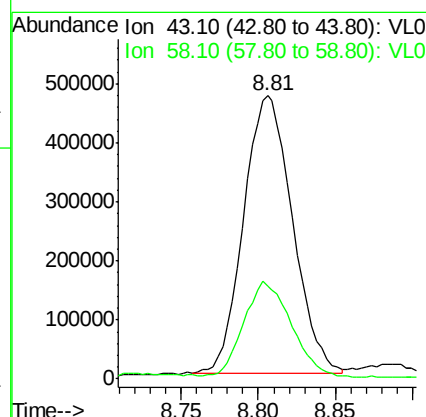
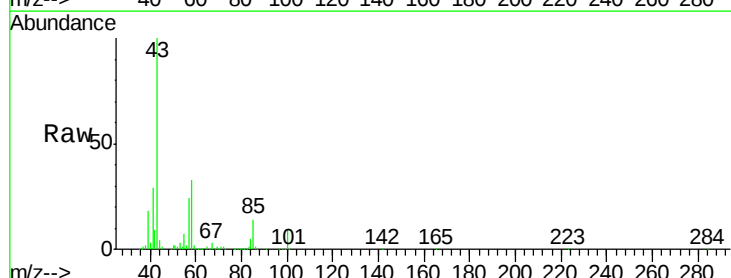
Manual Integrations
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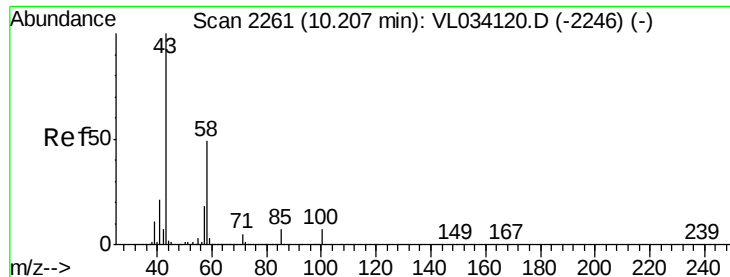
MMDadoda
 9/12/2019 5:17:52 AM



#50
 4-Methyl-2-Pentanone
 Concen: 4.180 ppbv
 RT: 8.81 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.5	42.7





#51

2-Hexanone

Concen: 16.854 ppbv

RT: 10.20 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tot Ion: 43 Resp: 3577094

Ion Ratio Lower Upper

43 100

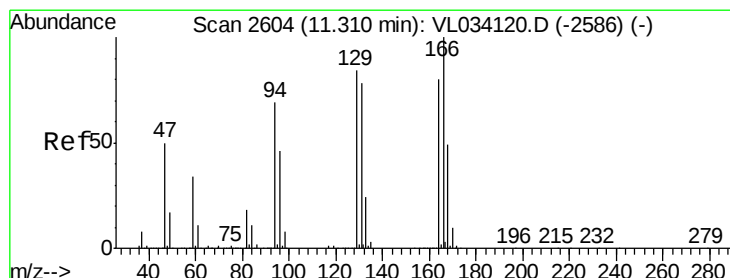
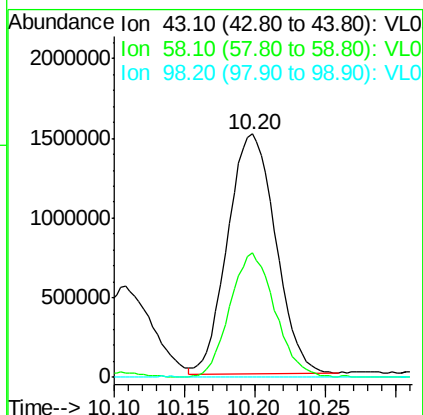
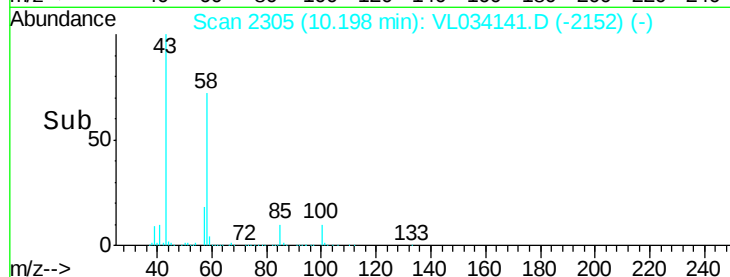
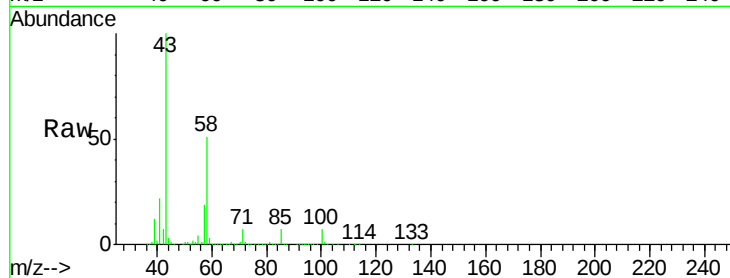
58 48.7 38.2 57.2

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 19.644 ppbv

RT: 11.31 min Scan# 2651

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion: 164 Resp: 1325980

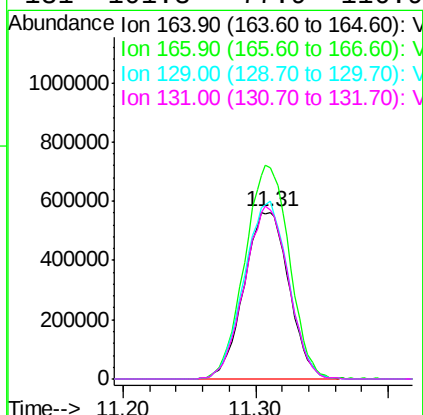
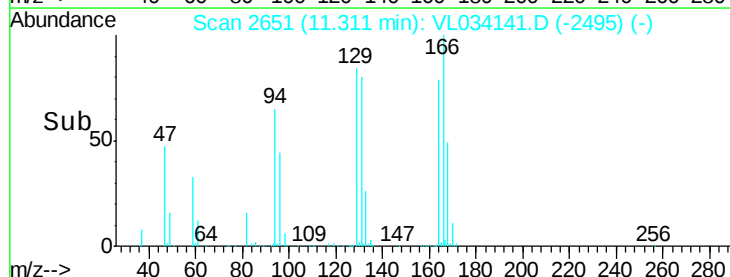
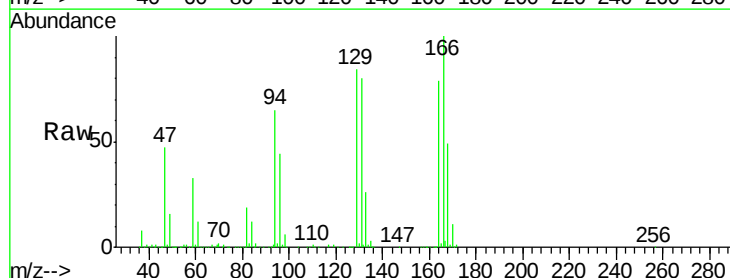
Ion Ratio Lower Upper

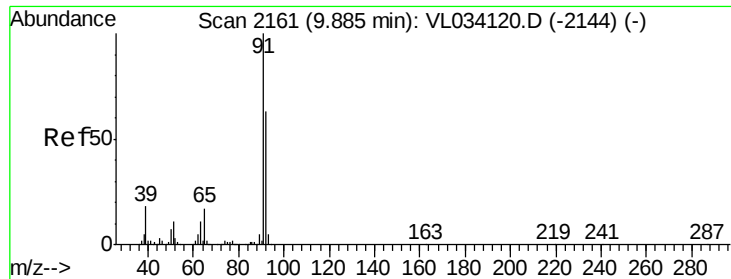
164 100

166 126.5 99.5 149.3

129 106.6 83.6 125.4

131 101.3 77.9 116.9





#53

Toluene

Concen: 15.804 ppbv

RT: 9.88 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tot Ion: 91 Resp: 3345978

Ion Ratio Lower Upper

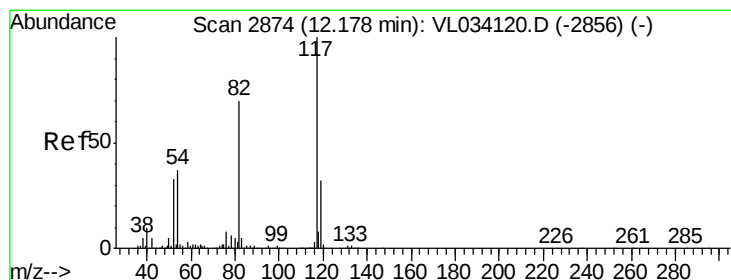
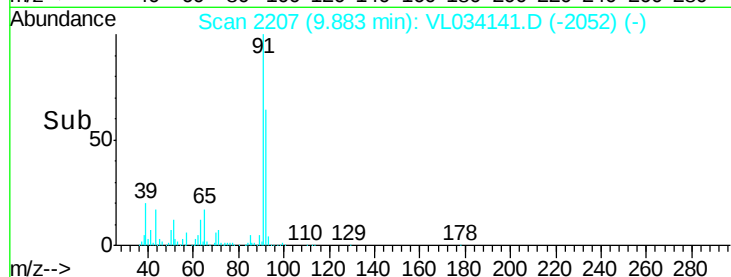
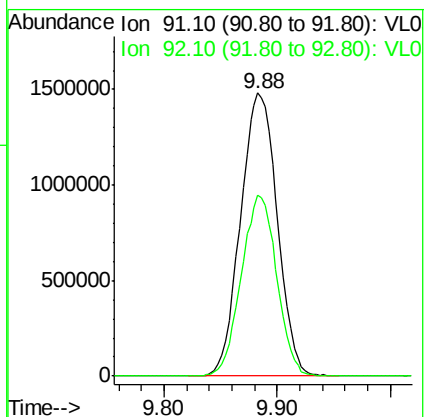
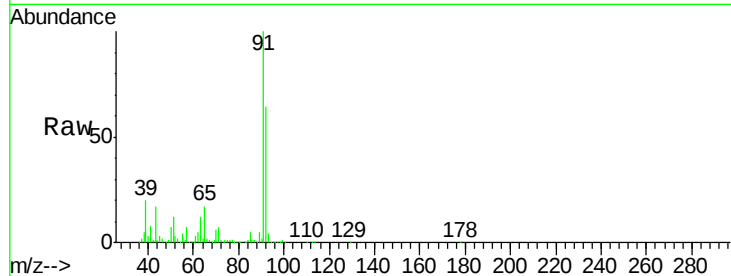
91 100

92 61.6 49.3 73.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

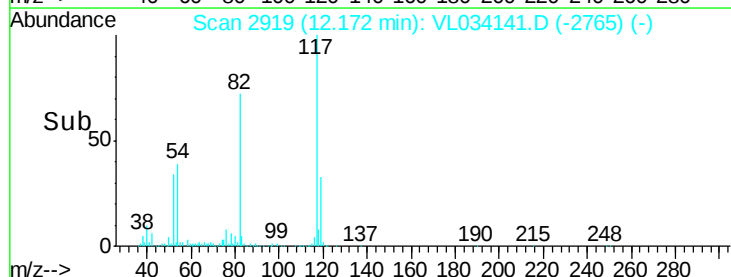
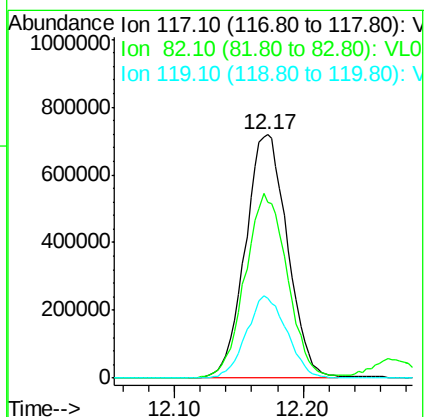
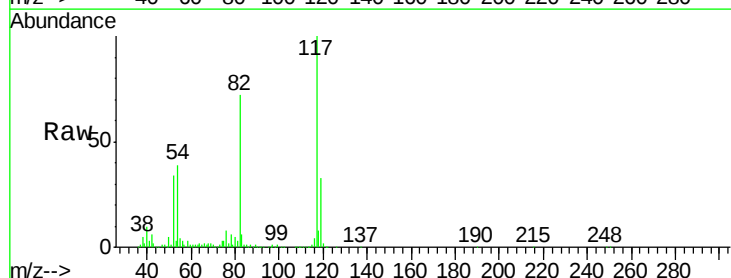
Tgt Ion: 117 Resp: 1631017

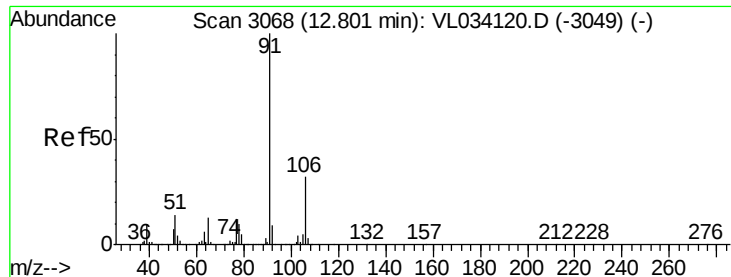
Ion Ratio Lower Upper

117 100

82 76.2 55.8 83.6

119 32.8 43.1 64.7#





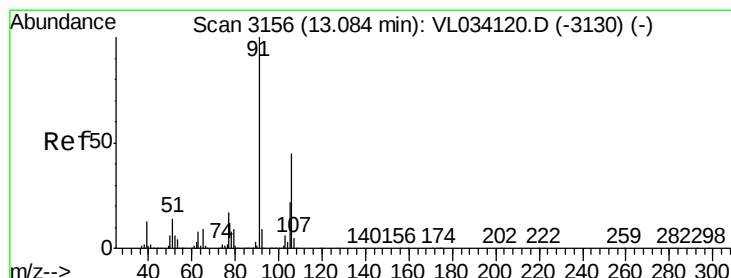
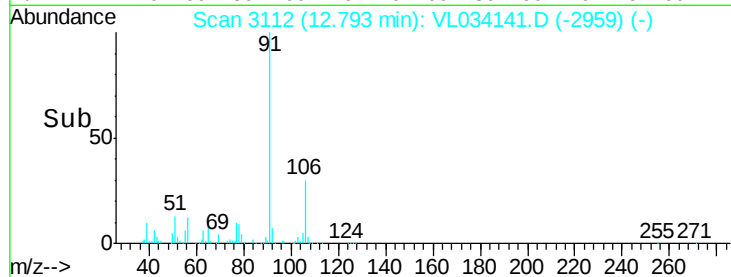
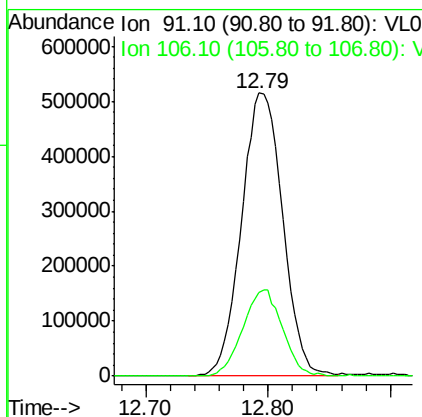
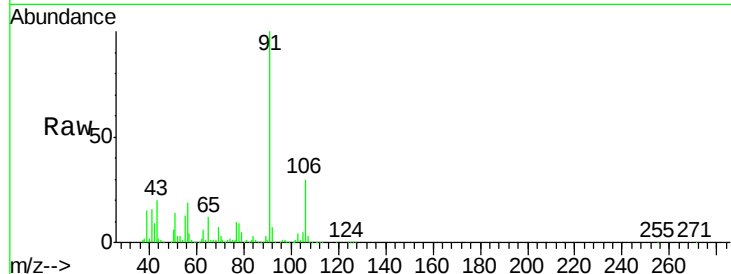
#58
Ethyl Benzene
Concen: 4.482 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampled :
SV5

Tot Ion: 91 Resp: 1198698
Ion Ratio Lower Upper
91 100
106 29.5 25.3 37.9

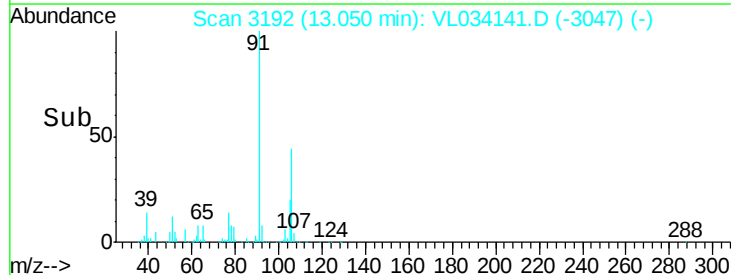
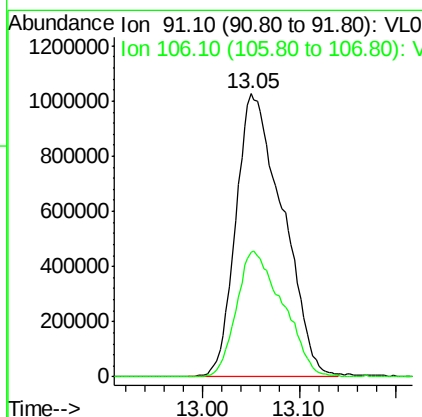
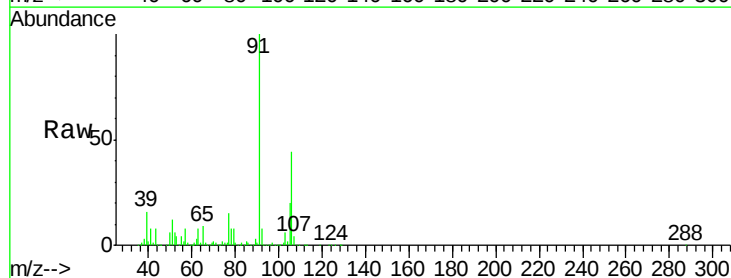
Manual Integrations
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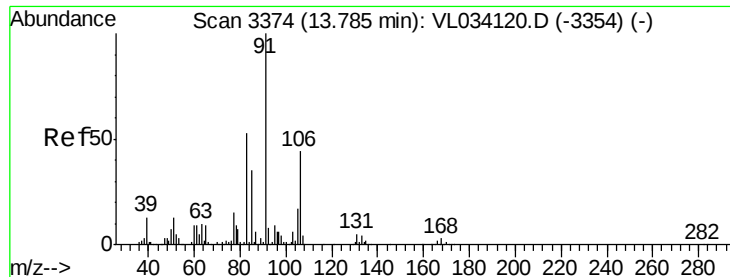
MMDadoda
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#59
m/p-Xylene
Concen: 15.756 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 91 Resp: 3437457
Ion Ratio Lower Upper
91 100
106 44.6 35.4 53.2





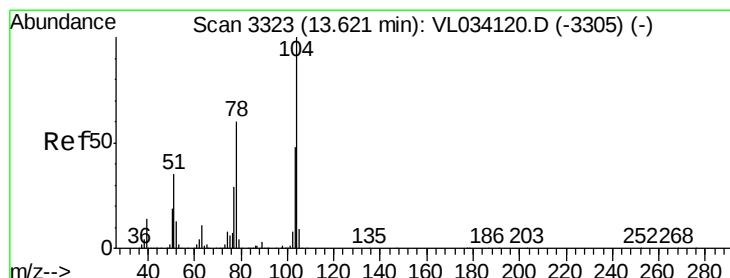
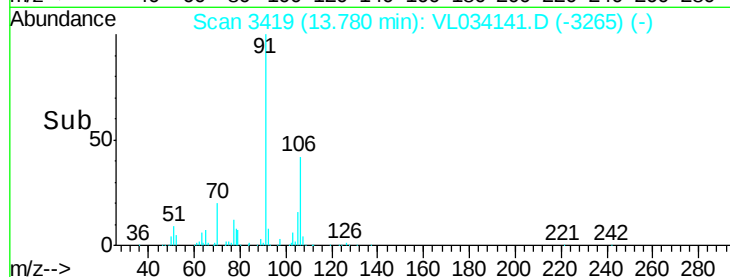
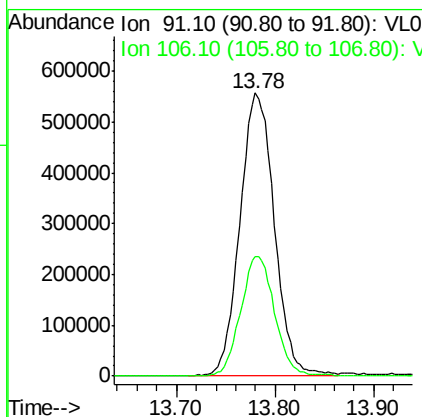
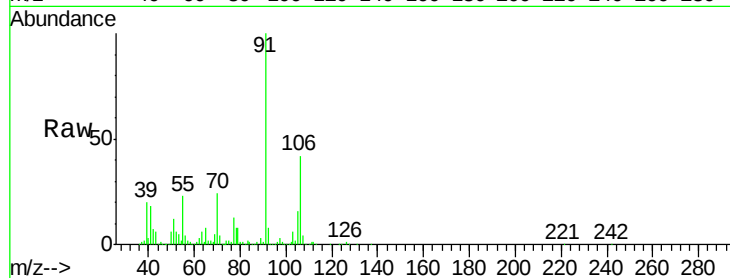
#60
o-Xylene
Concen: 6.177 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampled :
SV5

Tot Ion: 91 Resp: 1342307
Ion Ratio Lower Upper
91 100
106 42.1 21.4 64.3

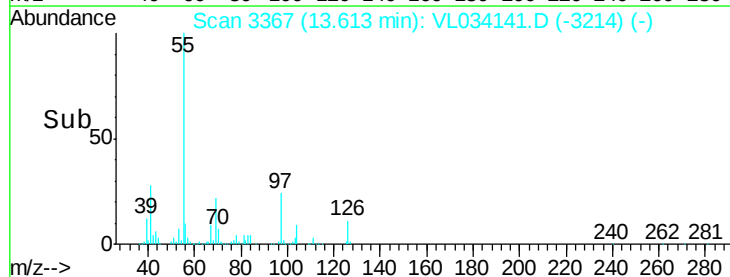
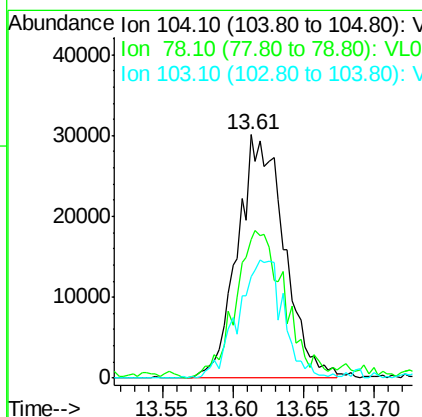
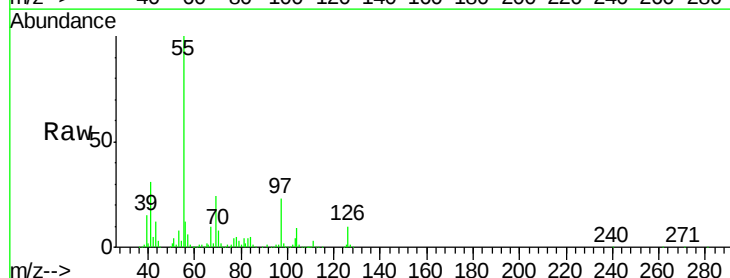
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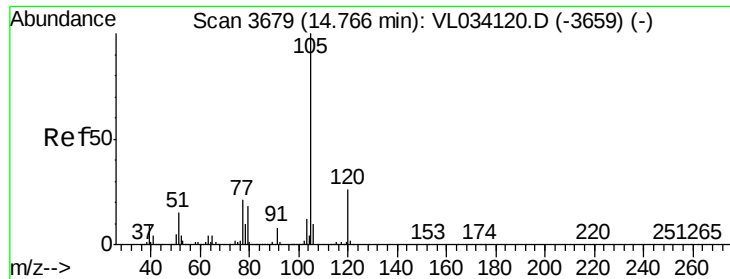
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#61
Styrene
Concen: 0.424 ppbv m
RT: 13.61 min Scan# 3367
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 104 Resp: 68932
Ion Ratio Lower Upper
104 100
78 64.0 47.8 71.6
103 48.7 38.7 58.1





#62

Isopropylbenzene

Concen: 0.369 ppbv

RT: 14.76 min Scan# 3723

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion:105 Resp: 104196

Ion Ratio Lower Upper

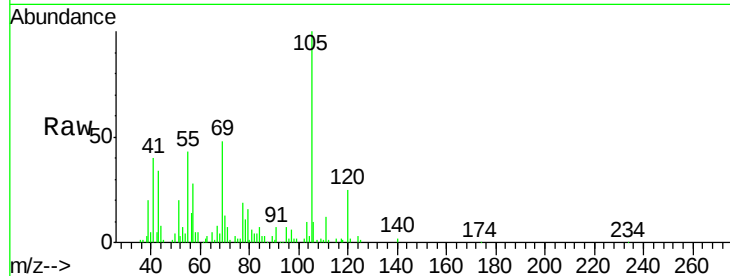
105 100

120 25.3 20.6 31.0

Manual Integrations
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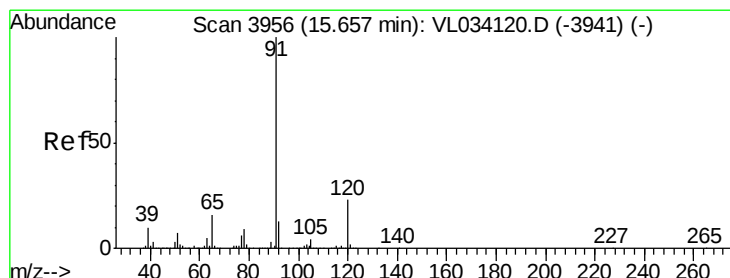
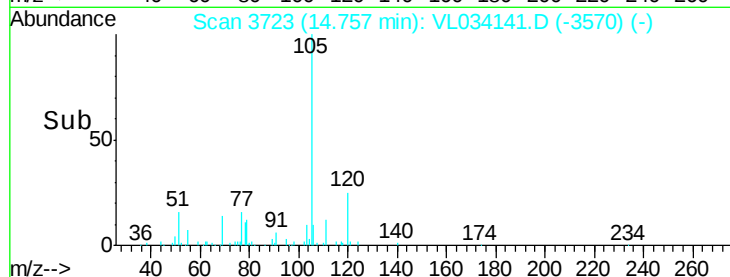
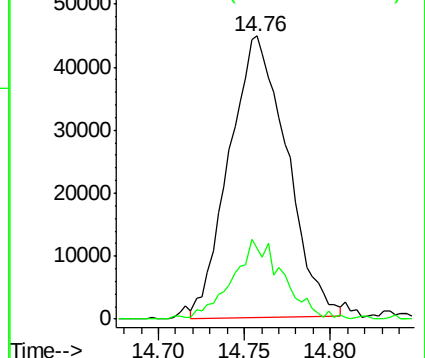
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 1.591 ppbv

RT: 15.65 min Scan# 4001

Delta R.T. -0.01 min

Lab File: VL034141.D

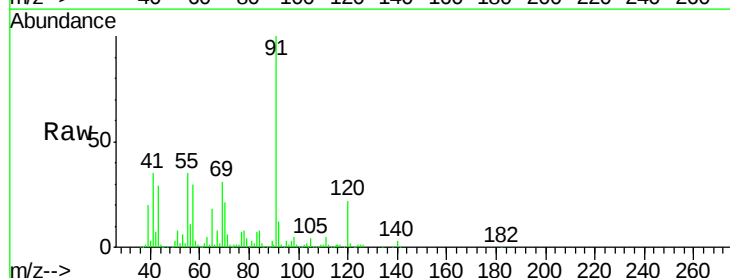
Acq: 10 Sep 2019 13:59

Tgt Ion:120 Resp: 112687

Ion Ratio Lower Upper

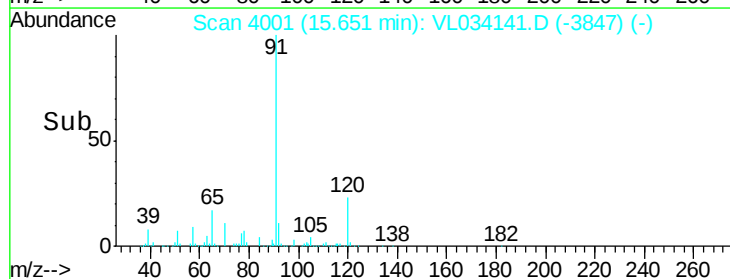
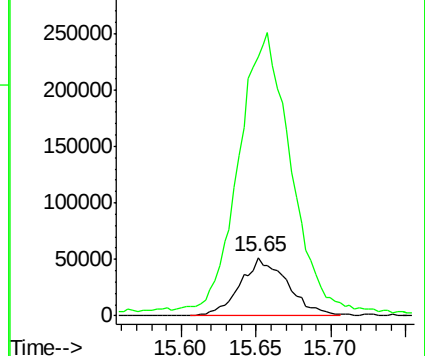
120 100

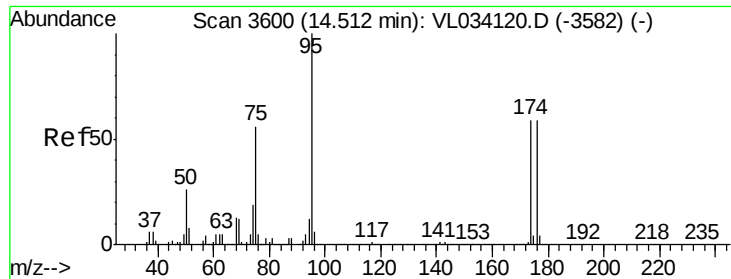
91 555.9 376.8 565.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.824 ppbv

RT: 14.51 min Scan# 3645

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

Tot Ion: 95 Resp: 1443258

Ion Ratio Lower Upper

95 100

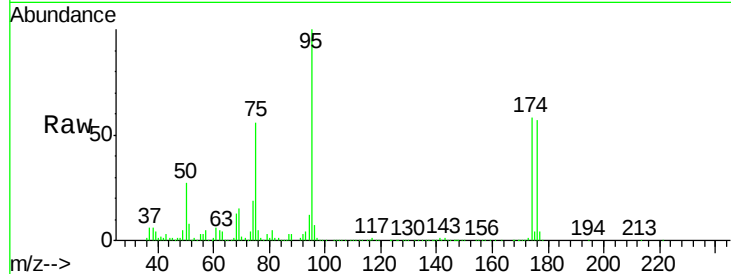
174 59.7 48.1 72.1

175 4.2 3.5 5.3

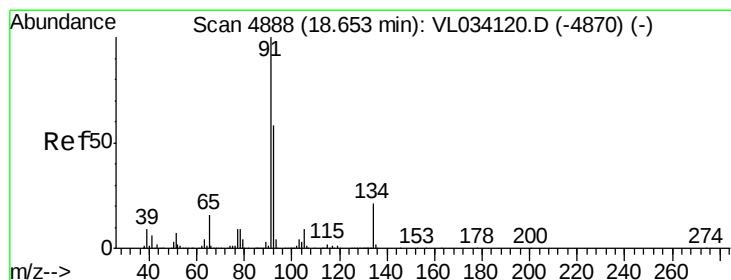
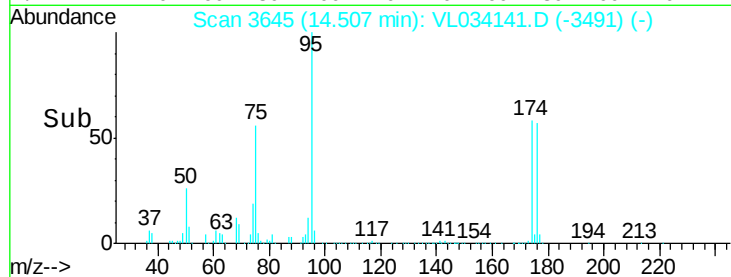
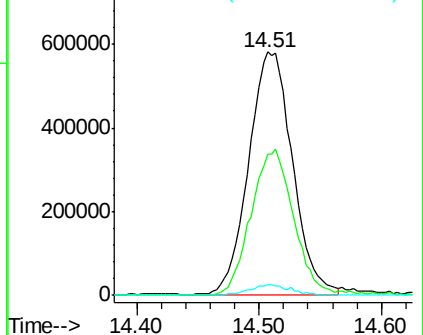
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Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V



#70

n-Butylbenzene

Concen: 1.062 ppbv m

RT: 18.71 min Scan# 4951

Delta R.T. 0.05 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

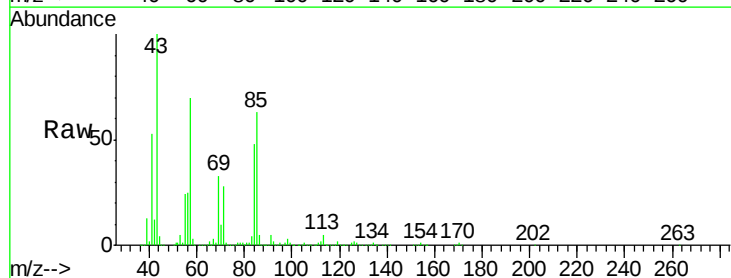
Tgt Ion: 91 Resp: 339271

Ion Ratio Lower Upper

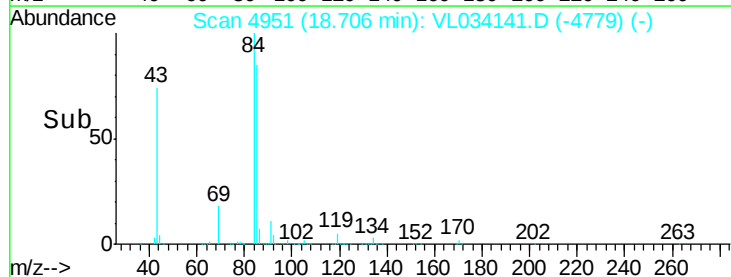
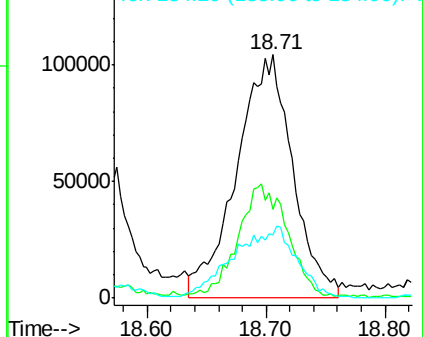
91 100

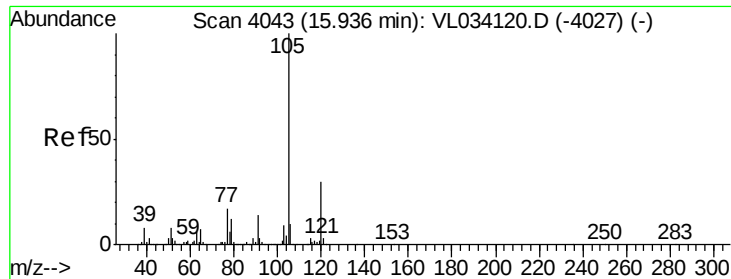
92 41.4 45.3 67.9#

134 0.0 17.4 26.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#72

4-Ethyltoluene

Concen: 2.762 ppbv

RT: 15.93 min Scan# 4088

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

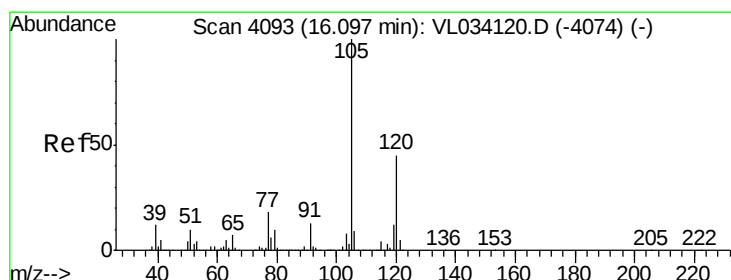
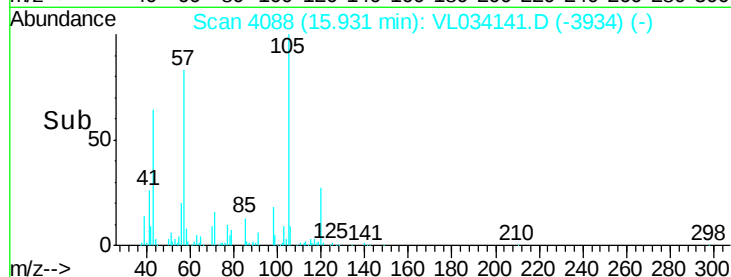
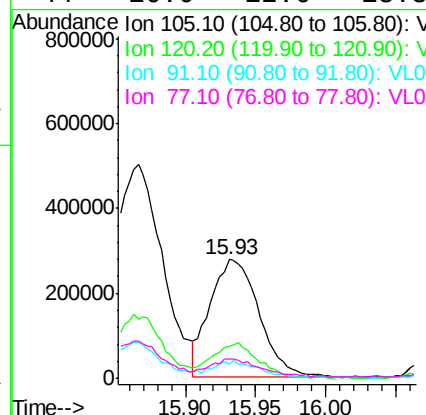
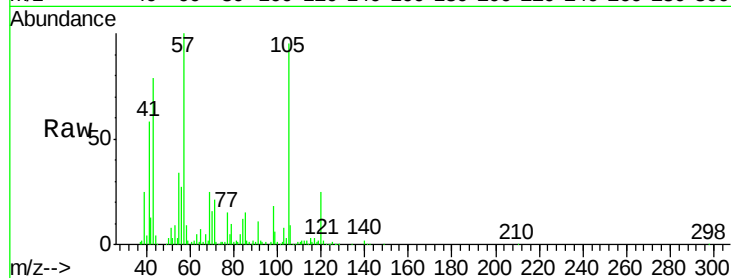
ClientSampled :

SV5

Tot Ion:	105	Resp:	677083
Ion Ratio	Lower	Upper	
105	100		
120	29.4	23.8	35.6
91	13.3	11.4	17.0
77	16.0	12.6	18.8

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#73

1,3,5-Trimethylbenzene

Concen: 1.990 ppbv

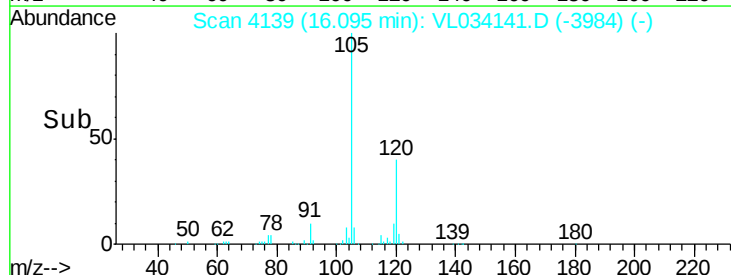
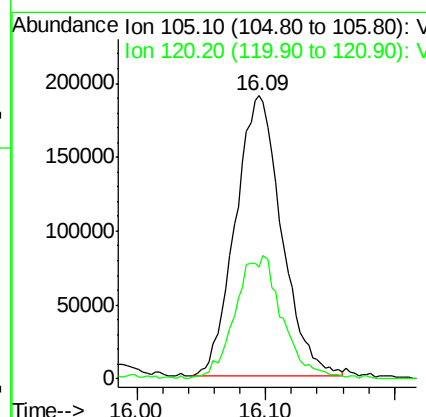
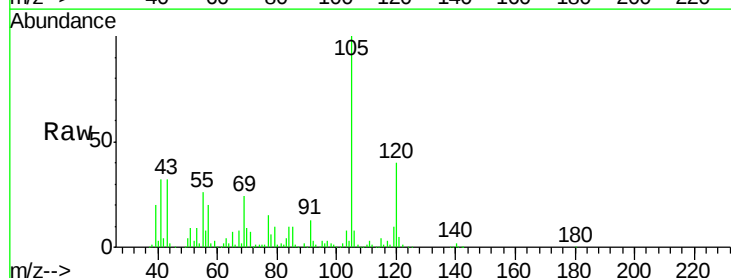
RT: 16.09 min Scan# 4139

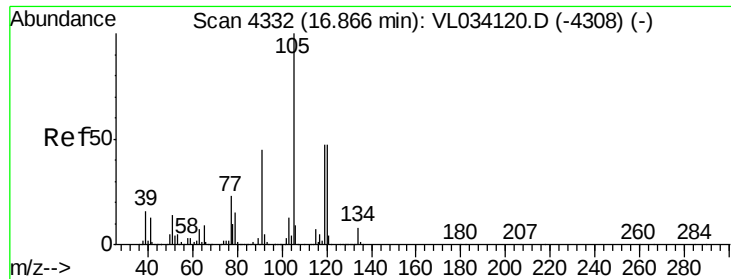
Delta R.T. -0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion:	105	Resp:	474270
Ion Ratio	Lower	Upper	
105	100		
120	39.4	35.8	53.8





#74

1,2,4-Trimethylbenzene

Concen: 6.760 ppbv

RT: 16.87 min Scan# 4379

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

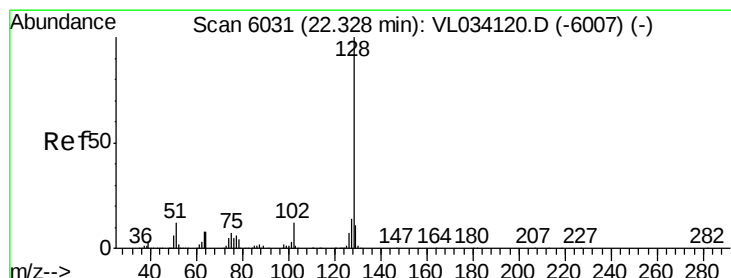
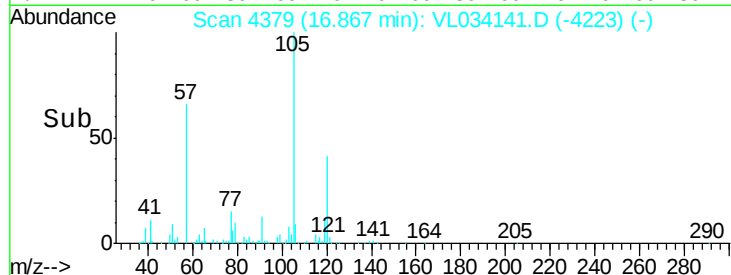
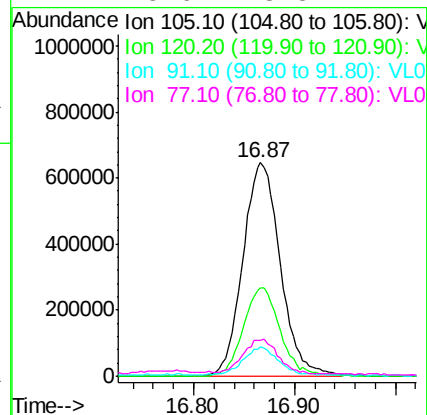
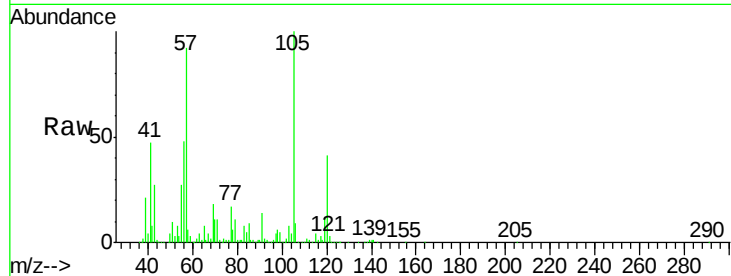
ClientSampled :

SV5

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.4	37.7	56.5
91	13.1	36.2	54.2#
77	15.6	18.5	27.7#

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#79

Naphthalene

Concen: 0.369 ppbv m

RT: 22.34 min Scan# 6081

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	49.0	10.9	16.3#
129	10.1	8.5	12.7

