

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034147.D
 Acq On : 10 Sep 2019 17:53
 Operator : SY/AP
 Sample : K4775-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:16:58 AM

Quant Time: Sep 11 03:02:54 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	609640	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.25	114	1378449	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.18	117	1384706	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1237436	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	80767	0.803 ppbv	98
3) Chlorodifluoromethane	2.98	51	22738m	0.335 ppbv	
4) Chloromethane	3.13	50	59466	1.400 ppbv	89
5) Vinyl Chloride	3.25	62	3077	0.080 ppbv #	74
7) Chloroethane	3.56	64	9104m	0.690 ppbv	
9) Propene	3.00	41	3027294	79.620 ppbv	95
10) Heptane	8.19	43	1842129	18.669 ppbv	100
11) Trichlorofluoromethane	3.96	101	39388	0.480 ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.51	101	5933m	0.108 ppbv	
13) Ethanol	3.63	45	950864	127.659 ppbv	98
15) Acetone	3.88	43	14831944m	201.867 ppbv	
17) tert-Butyl alcohol	4.33	59	1728648	32.409 ppbv	98
19) Isopropyl Alcohol	4.00	45	2492056	50.251 ppbv #	97
20) Methylene Chloride	4.38	84	25794	1.062 ppbv #	79
26) Hexane	5.72	57	2014977	28.101 ppbv #	37
27) Carbon Disulfide	4.57	76	1201385	18.564 ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	45853	0.436 ppbv #	1
29) Chloroform	5.82	83	177025	1.830 ppbv	99
30) Cyclohexane	7.19	84	569092	10.978 ppbv	88
32) 1,1,1-Trichloroethane	6.57	97	3897498	42.654 ppbv	98
34) 2-Butanone	5.29	43	6644009	50.136 ppbv #	80
36) Benzene	6.96	78	1124318	7.136 ppbv	94
37) 1,2-Dichloroethane	6.37	62	10324	0.107 ppbv #	84
38) Trichloroethene	7.91	130	128788	2.191 ppbv	92
44) 2,2,4-Trimethylpentane	7.93	57	459387	1.581 ppbv #	17
50) 4-Methyl-2-Pentanone	8.81	43	677506	3.350 ppbv	98
51) 2-Hexanone	10.21	43	3497031	20.018 ppbv #	98
52) Tetrachloroethene	11.34	164	8282439	149.075 ppbv	90
53) Toluene	9.89	91	3261009	18.713 ppbv	99
58) Ethyl Benzene	12.80	91	1297563	5.715 ppbv	95
59) m/p-Xylene	13.06	91	3614500	19.514 ppbv	98
60) o-Xylene	13.79	91	1617056	8.765 ppbv	100
61) Styrene	13.63	104	52474m	0.380 ppbv	
62) Isopropylbenzene	14.76	105	163464	0.681 ppbv	98
64) n-propylbenzene	15.66	120	116921	1.944 ppbv	77
67) sec-Butylbenzene	17.41	105	50204m	0.169 ppbv	
70) n-Butylbenzene	18.69	91	192278m	0.709 ppbv	
72) 4-Ethyltoluene	15.94	105	682813	3.280 ppbv	97
73) 1,3,5-Trimethylbenzene	16.10	105	574060	2.838 ppbv	99
74) 1,2,4-Trimethylbenzene	16.87	105	1812850	8.702 ppbv #	74
79) Naphthalene	22.34	128	136795m	0.726 ppbv	

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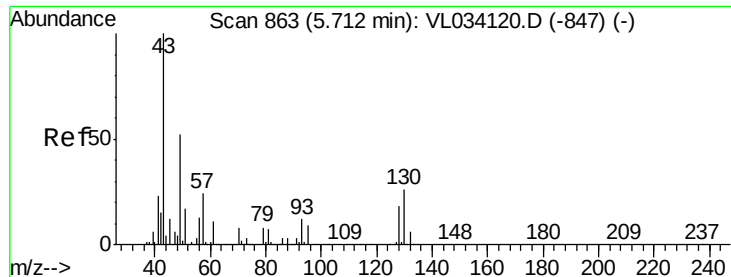
Manual Integrations
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9/12/2019 5:16:58 AM

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 915

Delta R.T. 0.02 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

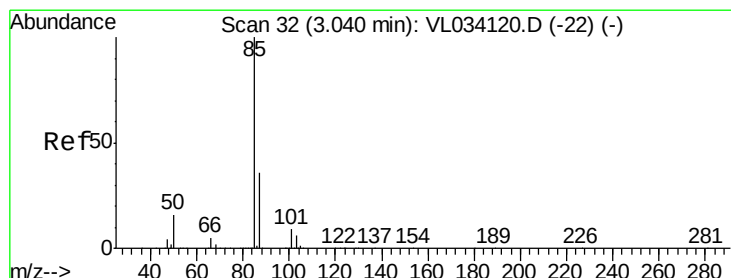
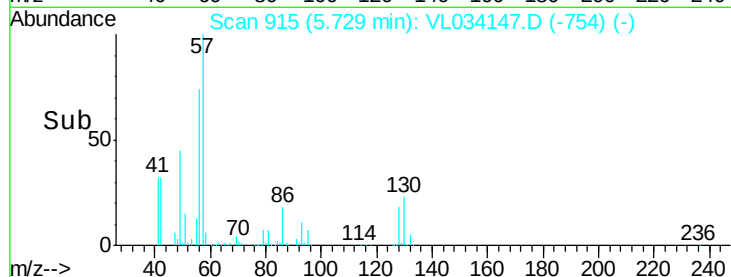
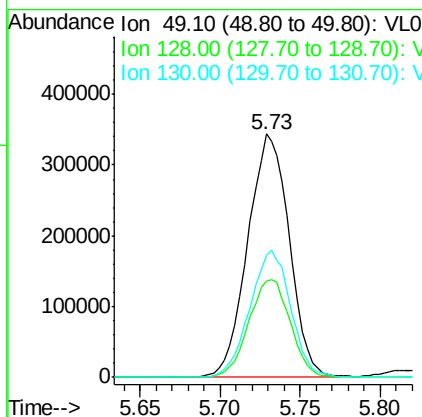
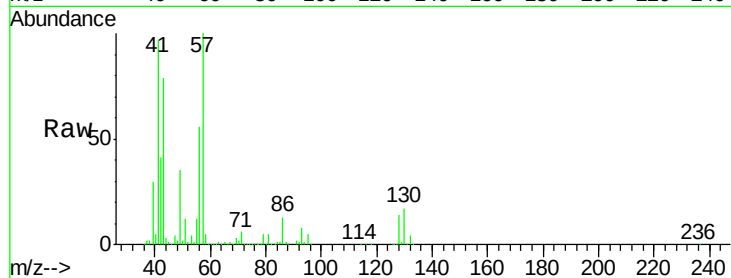
ClientSampled :

SV3

Tot Ion:	49	Resp:	609640
Ion Ratio	Lower	Upper	
49	100		
128	40.4	18.4	55.0
130	51.6	23.5	70.6

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#2

Dichlorodifluoromethane

Concen: 0.803 ppbv

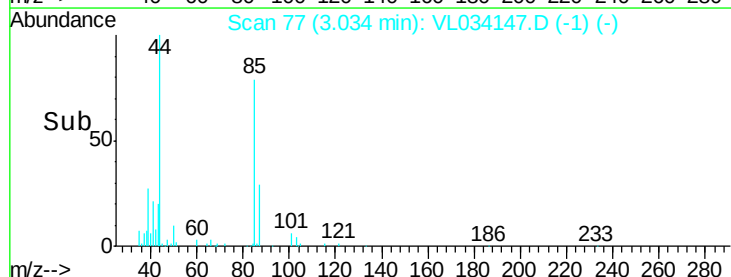
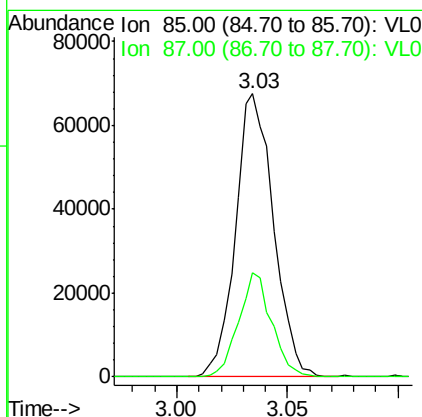
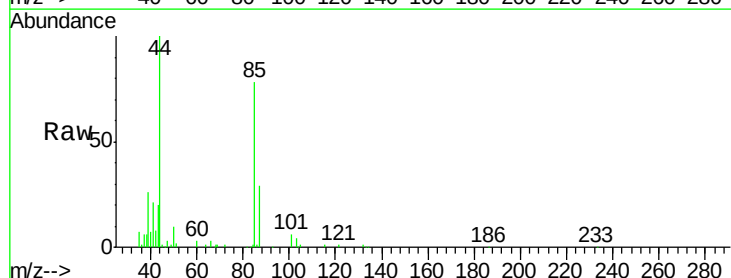
RT: 3.03 min Scan# 77

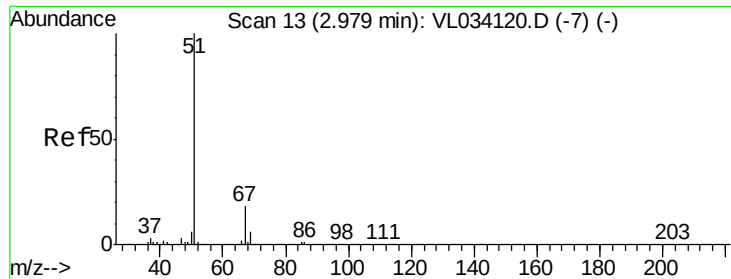
Delta R.T. -0.01 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Tgt Ion:	85	Resp:	80767
Ion Ratio	Lower	Upper	
85	100		
87	36.9	28.6	43.0





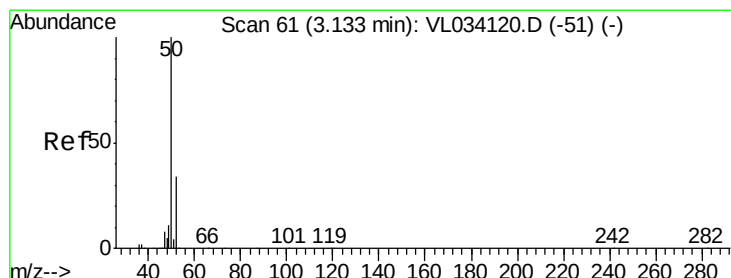
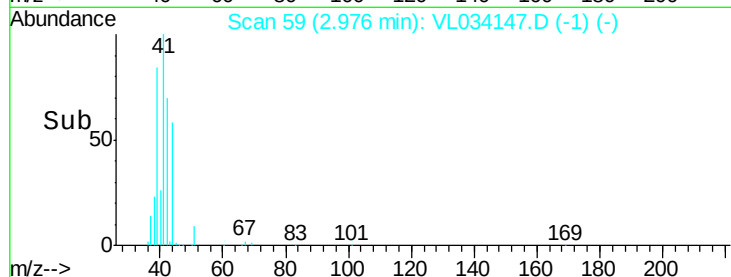
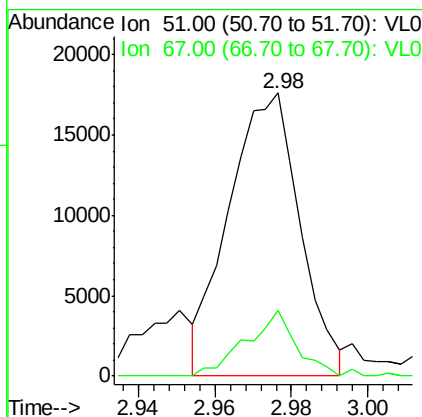
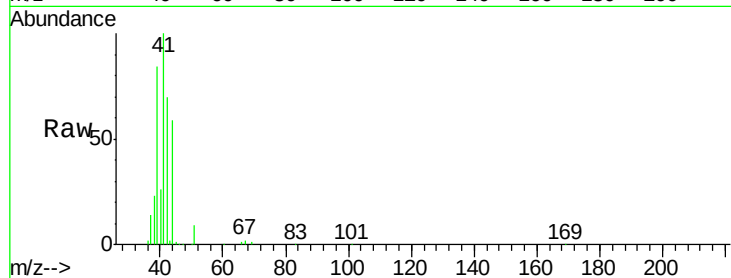
#3
Chlorodifluoromethane
Concen: 0.335 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tot Ion	Ratio	Lower	Upper
51	100		
67	16.7	14.2	21.4

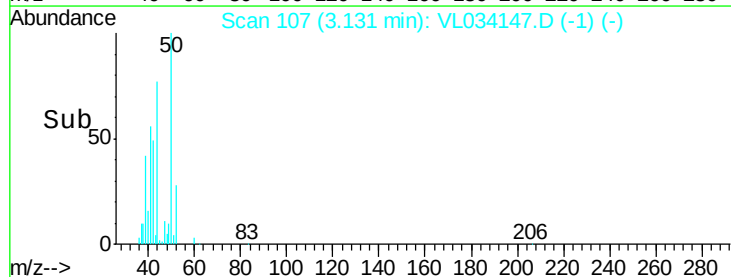
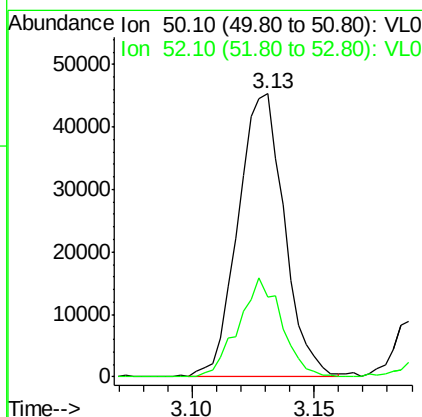
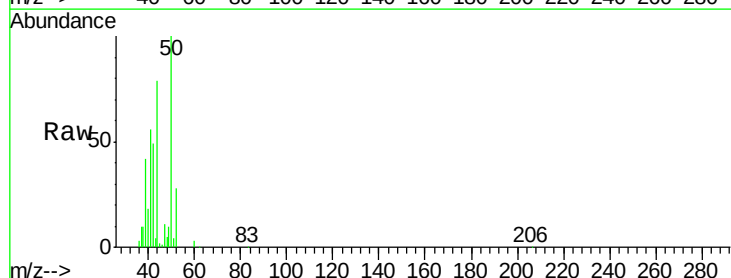
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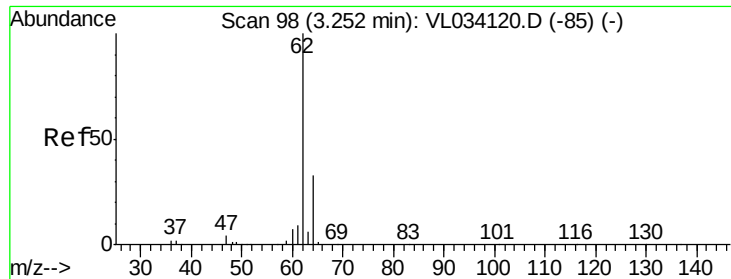
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#4
Chloromethane
Concen: 1.400 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.00 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.1	27.4	41.2





#5

Vinyl Chloride

Concen: 0.080 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 62 Resp: 3077

Ion Ratio Lower Upper

62 100

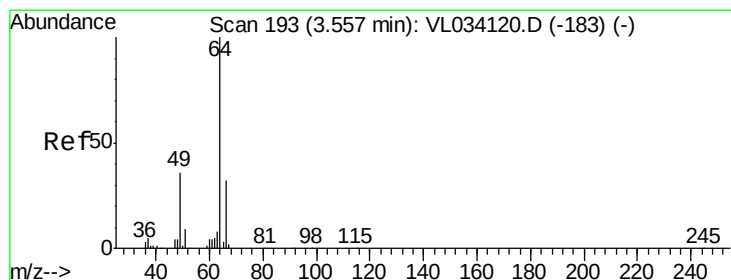
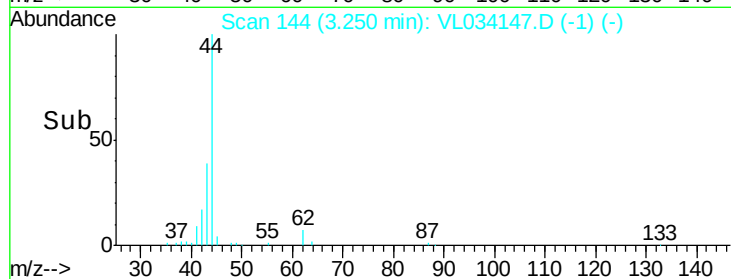
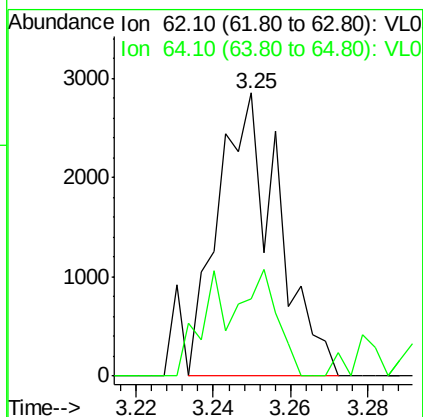
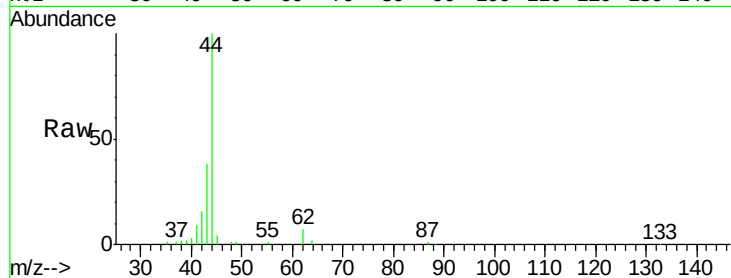
64 18.7 26.6 39.8#

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#7

Chloroethane

Concen: 0.690 ppbv m

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL034147.D

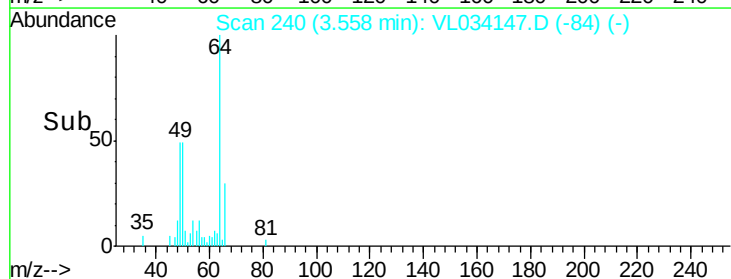
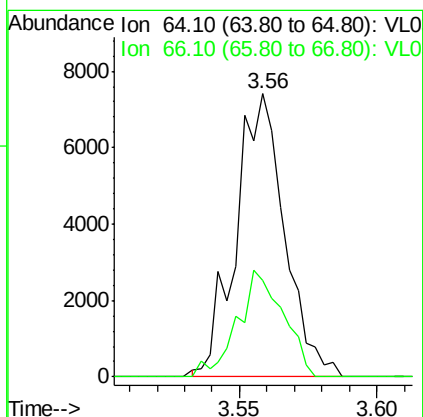
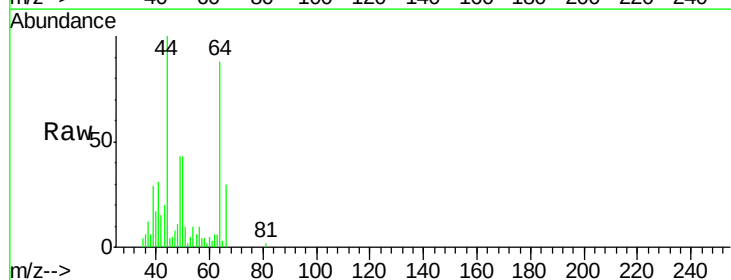
Acq: 10 Sep 2019 17:53

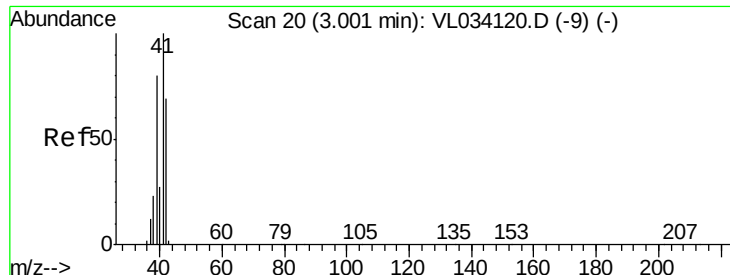
Tgt Ion: 64 Resp: 9104

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.2





#9

Propene

Concen: 79.620 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion: 41 Resp: 3027294

Ion Ratio Lower Upper

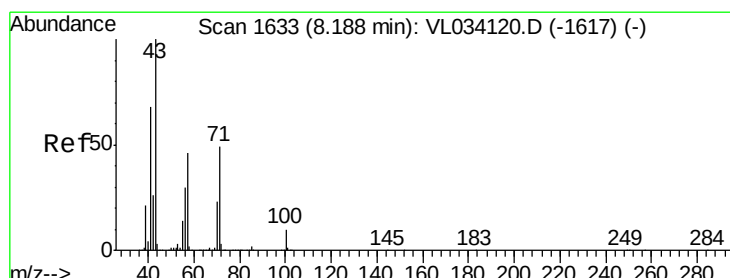
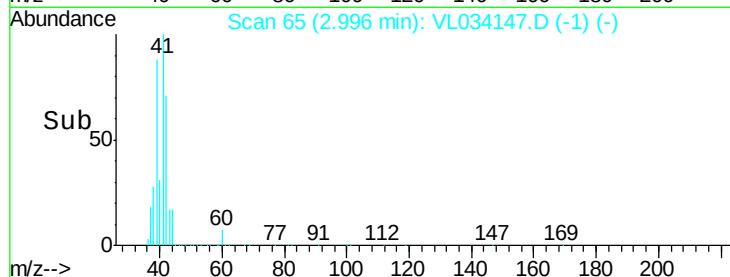
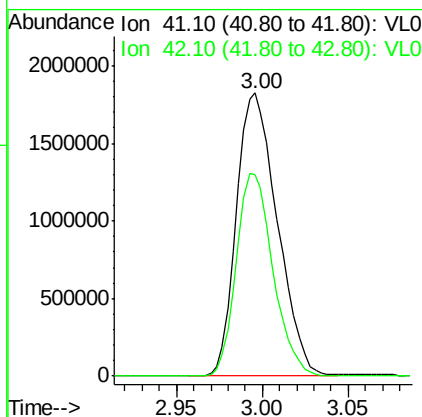
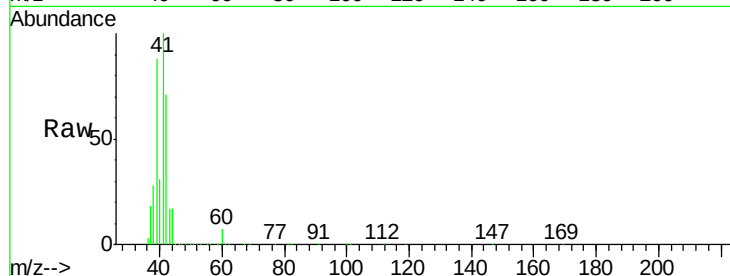
41 100

42 64.4 54.6 81.8

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#10

Heptane

Concen: 18.669 ppbv

RT: 8.19 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VL034147.D

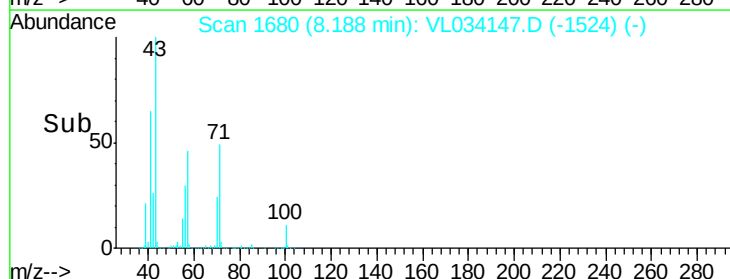
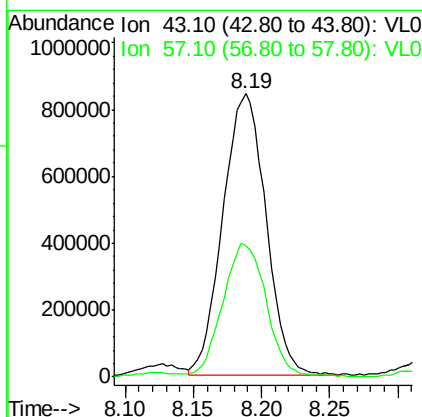
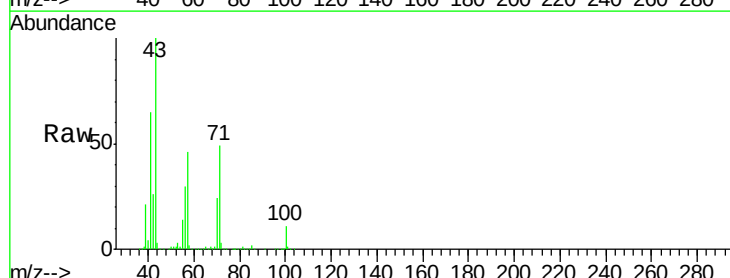
Acq: 10 Sep 2019 17:53

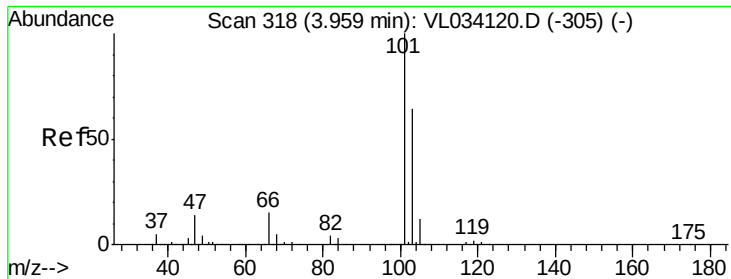
Tgt Ion: 43 Resp: 1842129

Ion Ratio Lower Upper

43 100

57 47.8 38.1 57.1





#11

Trichlorofluoromethane

Concen: 0.480 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion:101 Resp: 39388

Ion Ratio Lower Upper

101 100

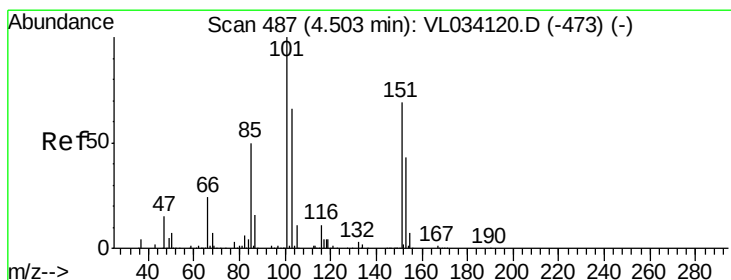
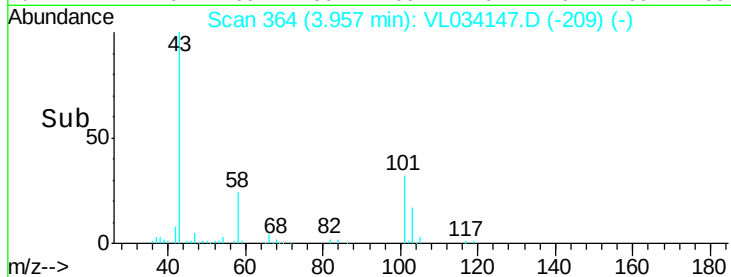
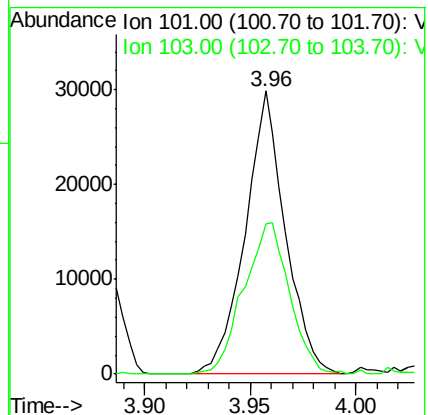
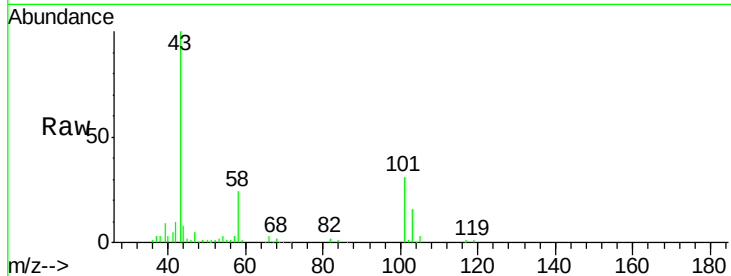
103 53.2 51.4 77.2

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.108 ppbv m

RT: 4.51 min Scan# 535

Delta R.T. 0.00 min

Lab File: VL034147.D

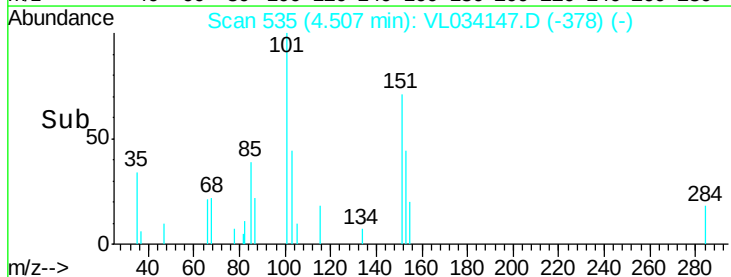
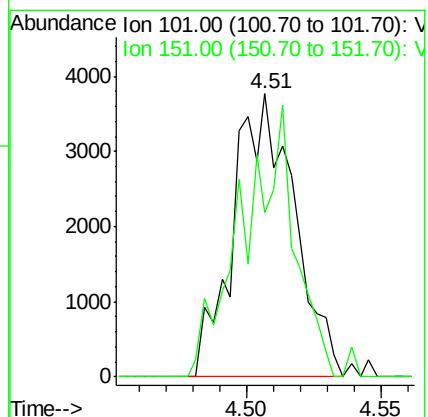
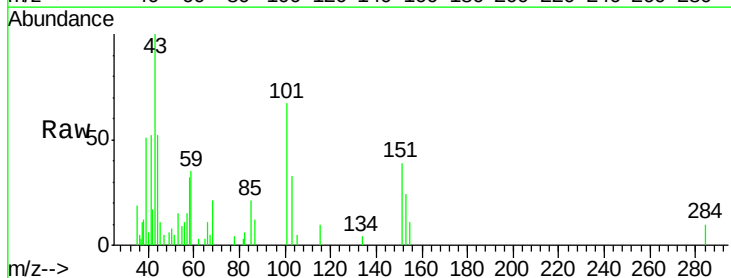
Acq: 10 Sep 2019 17:53

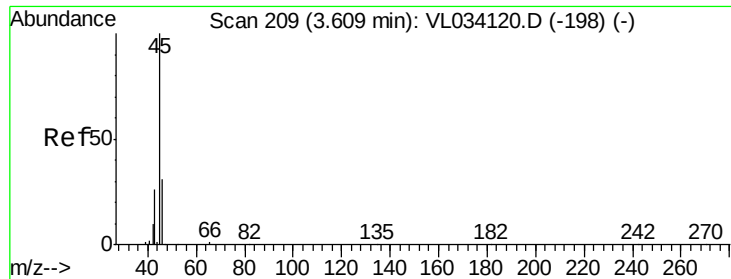
Tgt Ion:101 Resp: 5933

Ion Ratio Lower Upper

101 100

151 83.5 53.0 79.6#





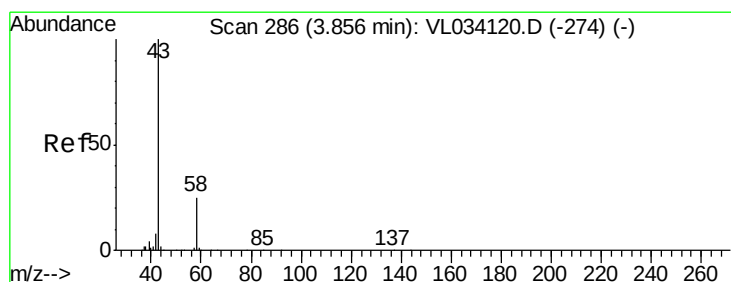
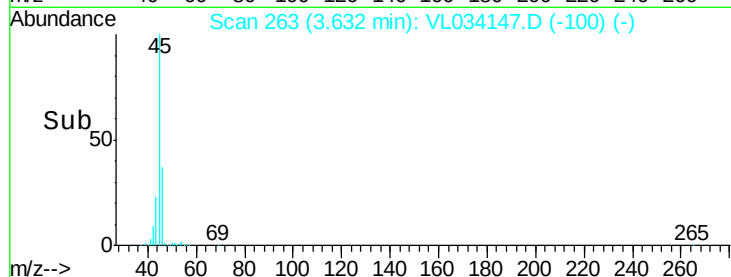
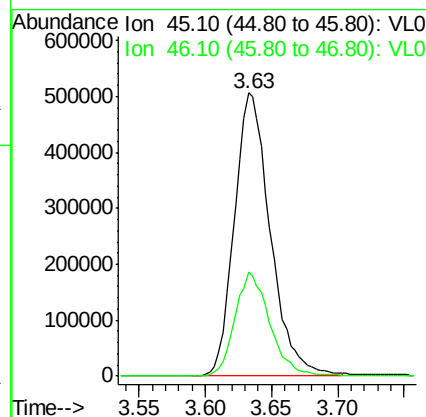
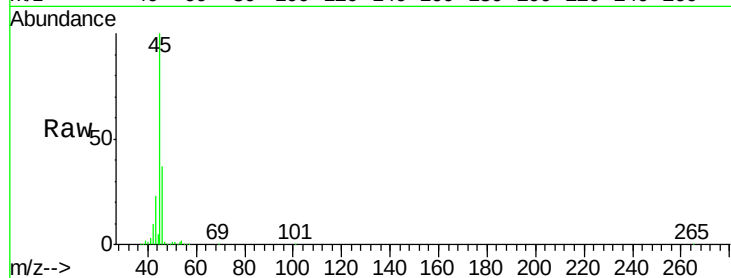
#13
Ethanol
Concen: 127.659 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.02 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 45 Resp: 950864
Ion Ratio Lower Upper
45 100
46 36.4 15.0 60.0

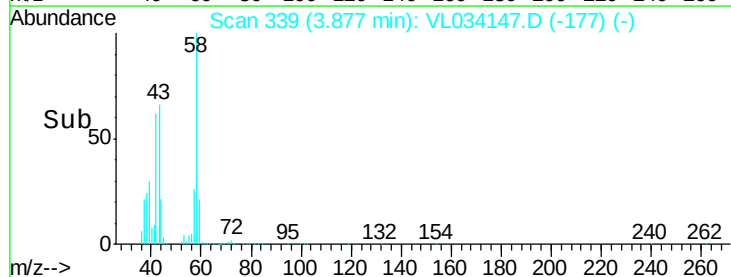
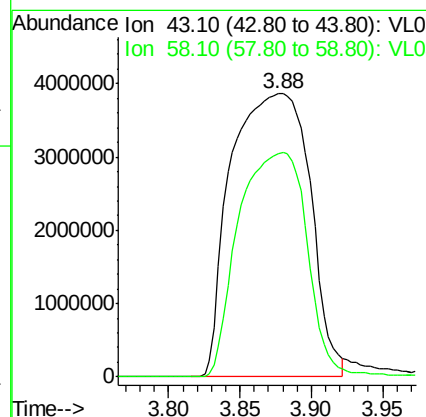
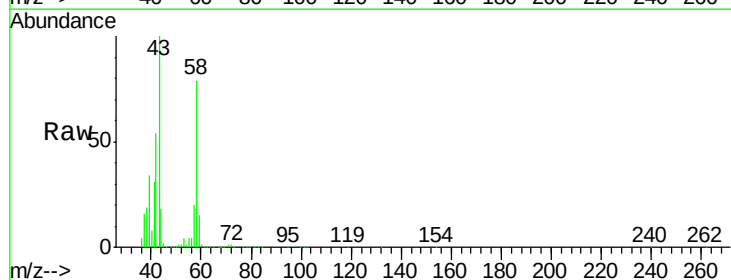
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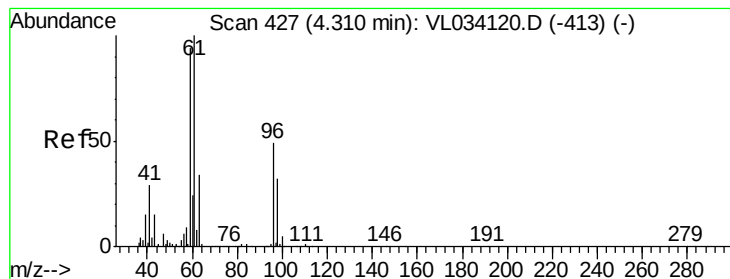
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#15
Acetone
Concen: 201.867 ppbv m
RT: 3.88 min Scan# 339
Delta R.T. 0.02 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion: 43 Resp:14831944
Ion Ratio Lower Upper
43 100
58 69.0 20.6 30.8#





#17

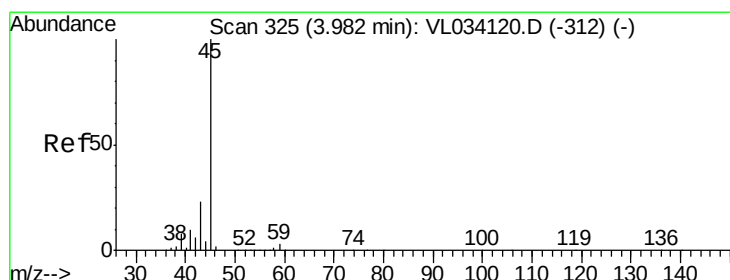
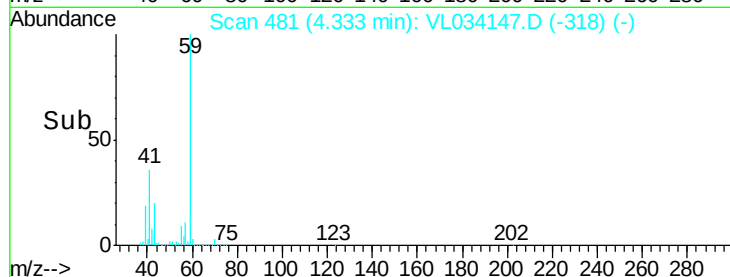
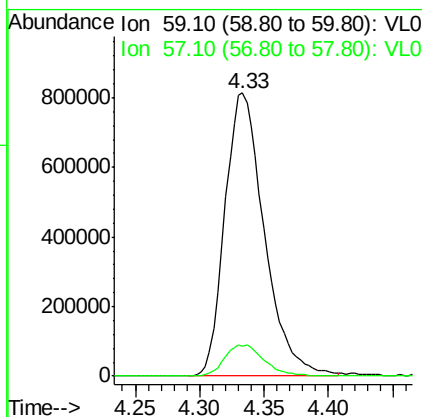
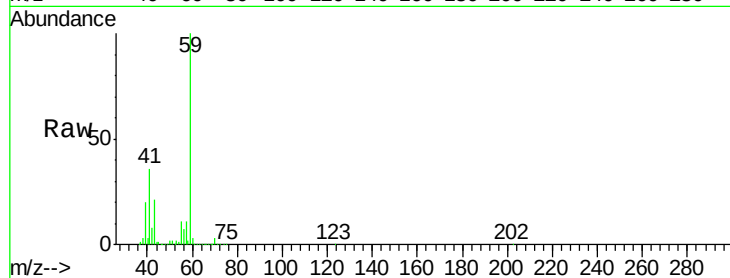
tert-Butyl alcohol
 Concen: 32.409 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.02 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Tot Ion: 59 Resp: 1728648
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.6 12.8

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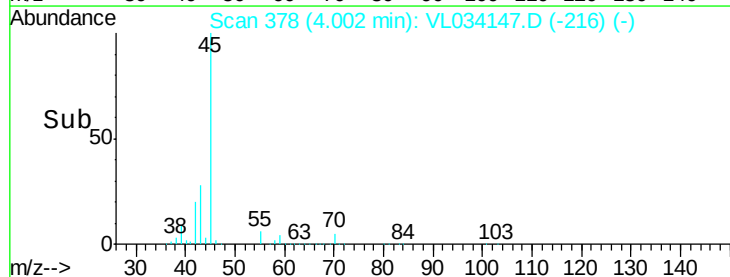
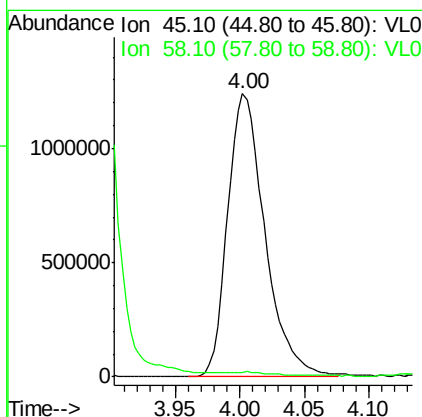
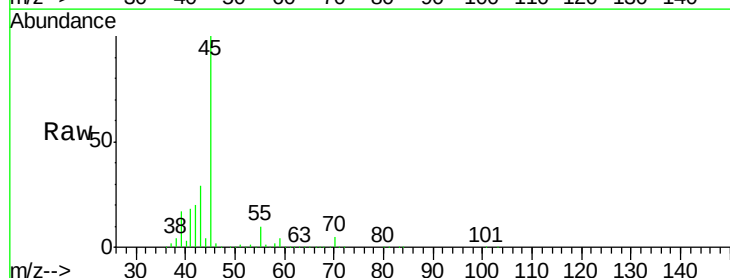
MMDadoda
 9/12/2019 5:16:58 AM

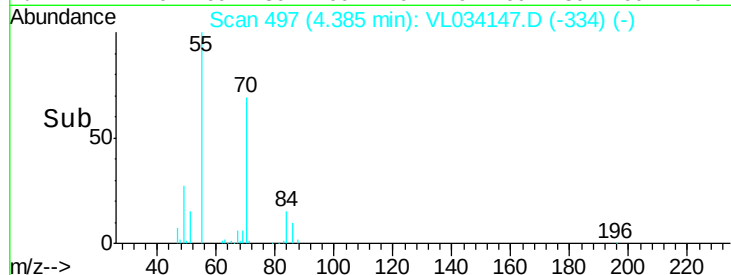
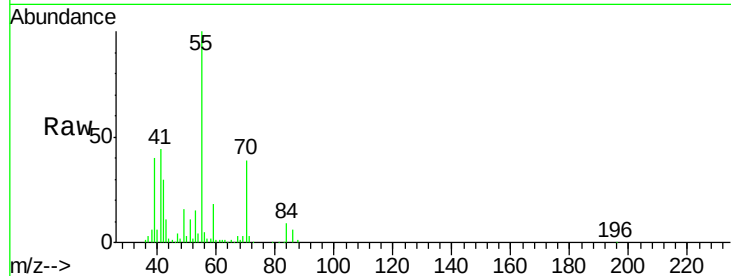
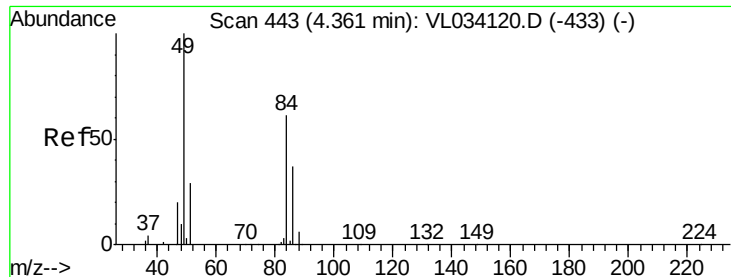


#19

Isopropyl Alcohol
 Concen: 50.251 ppbv
 RT: 4.00 min Scan# 378
 Delta R.T. 0.02 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Tgt Ion: 45 Resp: 2492056
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.0 1.6#





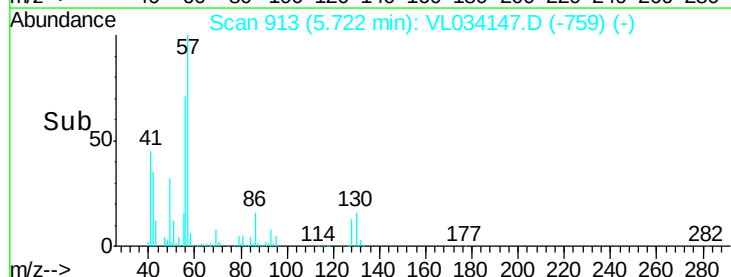
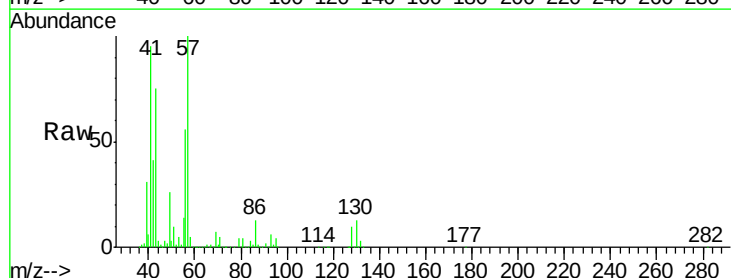
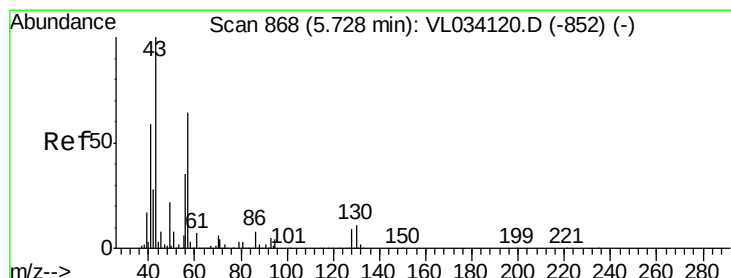
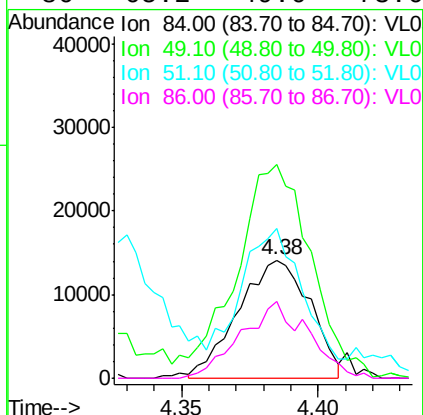
#20
Methvlene Chloride
Concen: 1.062 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.02 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tot Ion	Ratio	Lower	Upper
84	100		
49	169.7	131.0	196.6
51	113.7	38.1	57.1#
86	65.2	49.0	73.6

Instrument :
MSVOA_L
ClientSampled :
SV3

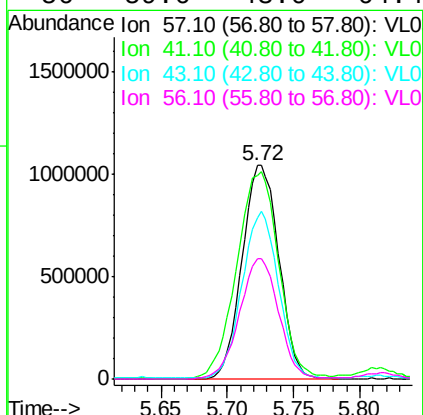
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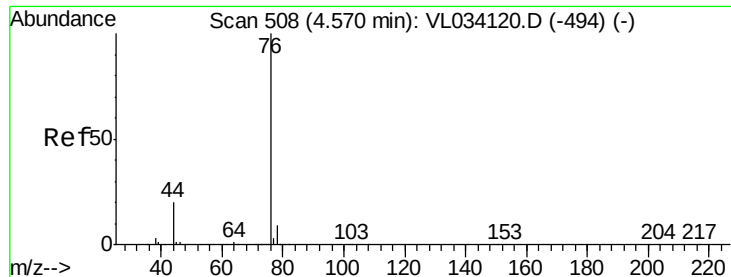
MMDadoda
9/12/2019 5:16:58 AM



#26
Hexane
Concen: 28.101 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	110.5	76.6	115.0
43	77.6	189.2	283.8#
56	59.6	43.0	64.4





#27

Carbon Disulfide

Concen: 18.564 ppbv

RT: 4.57 min Scan# 554

Delta R.T. -0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 76 Resp: 1201385

Ion Ratio Lower Upper

76 100

44 21.6 17.6 26.4

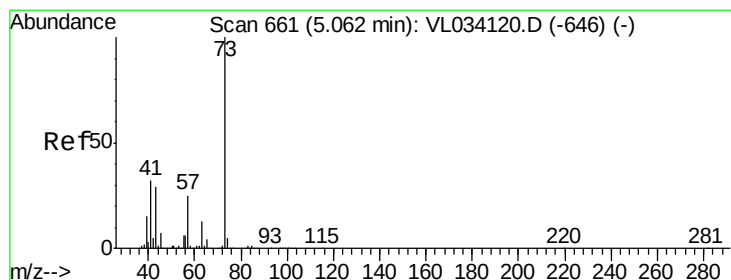
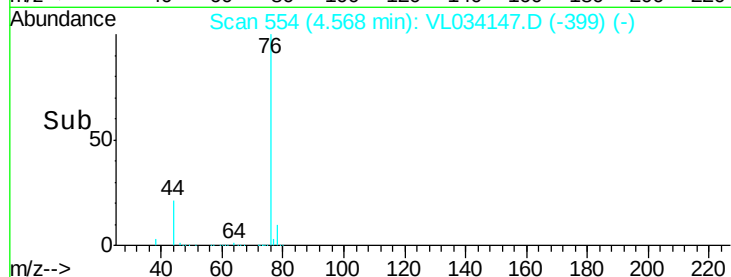
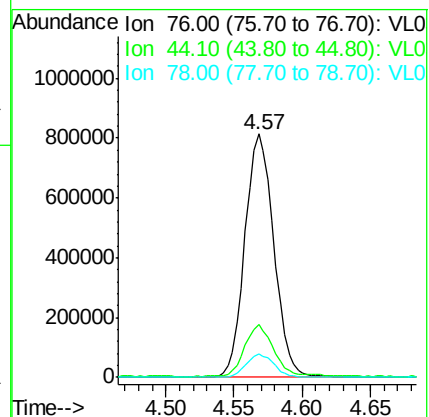
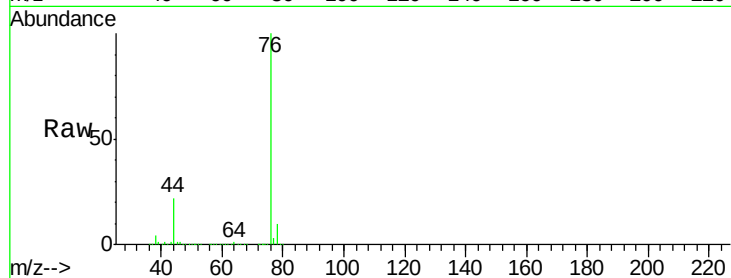
78 9.3 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 0.436 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034147.D

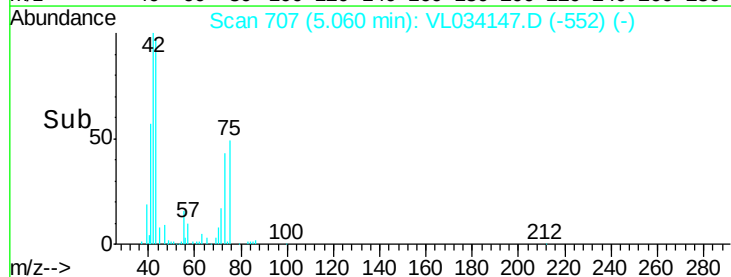
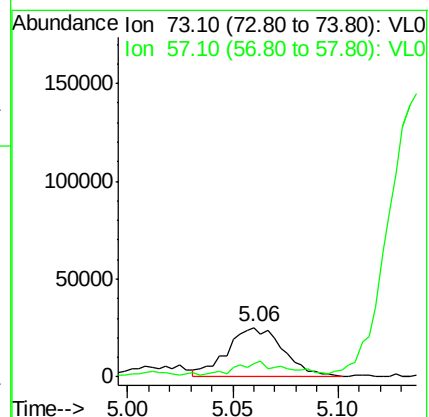
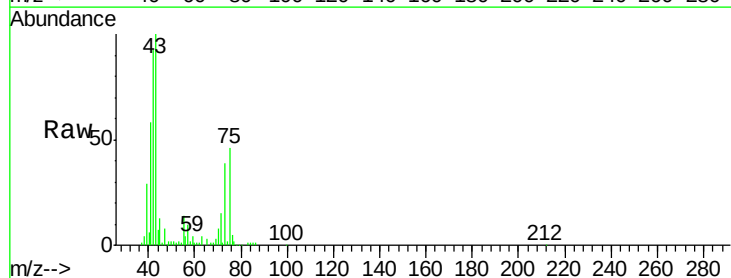
Acq: 10 Sep 2019 17:53

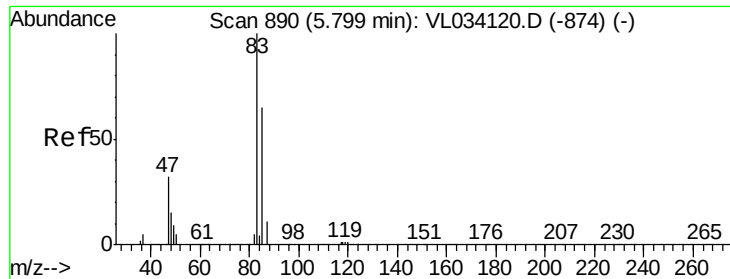
Tgt Ion: 73 Resp: 45853

Ion Ratio Lower Upper

73 100

57 567.6 19.8 29.8#





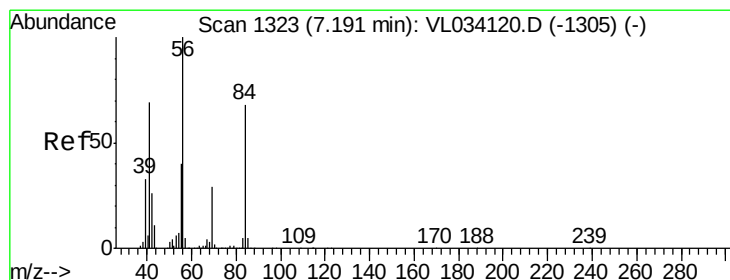
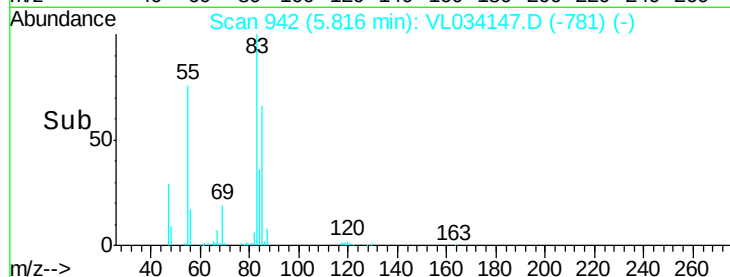
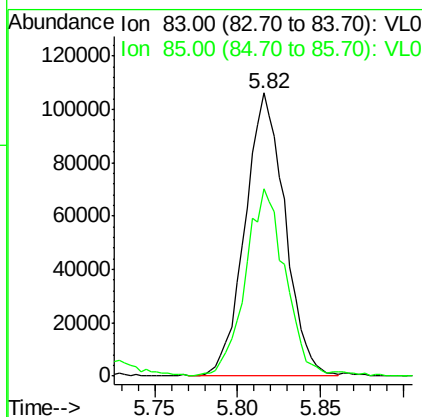
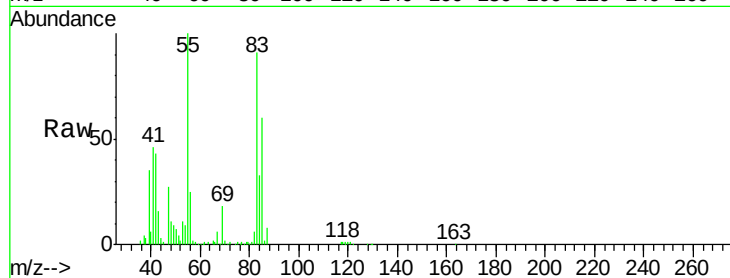
#29
Chloroform
Concen: 1.830 ppbv
RT: 5.82 min Scan# 942
Delta R.T. 0.02 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tot Ion: 83 Resp: 177025
Ion Ratio Lower Upper
83 100
85 65.8 51.8 77.6

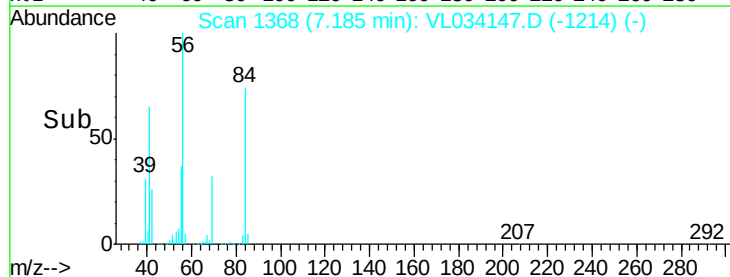
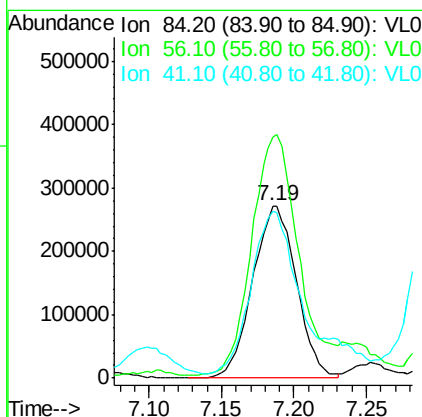
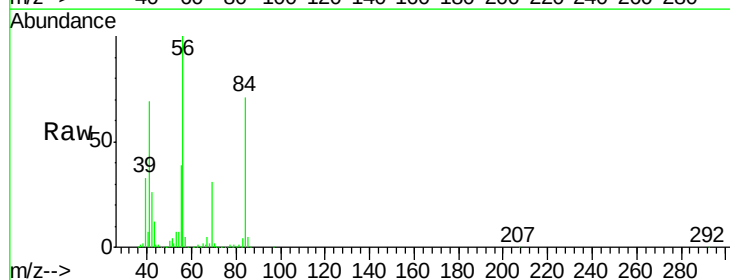
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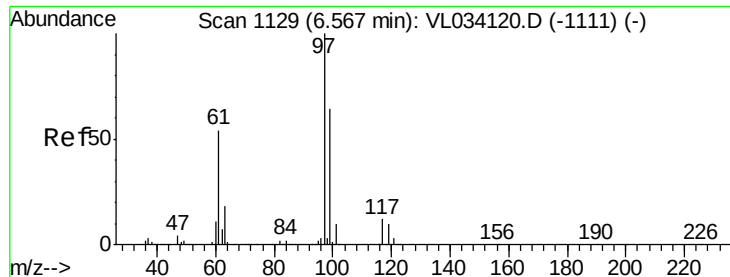
MMDadoda
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#30
Cyclohexane
Concen: 10.978 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion: 84 Resp: 569092
Ion Ratio Lower Upper
84 100
56 164.4 122.6 183.8
41 115.0 79.1 118.7





#32

1,1,1-Trichloroethane

Concen: 42.654 ppbv

RT: 6.57 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 97 Resp: 3897498

Ion Ratio Lower Upper

97 100

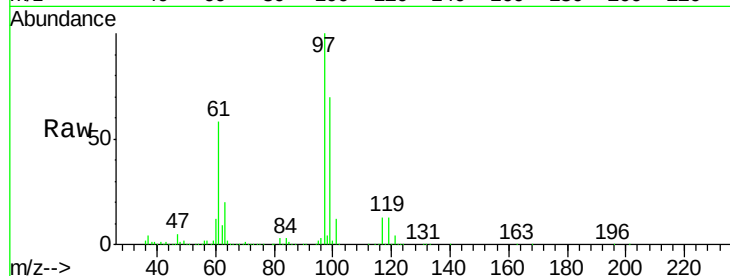
99 67.6 51.7 77.5

61 54.8 44.0 66.0

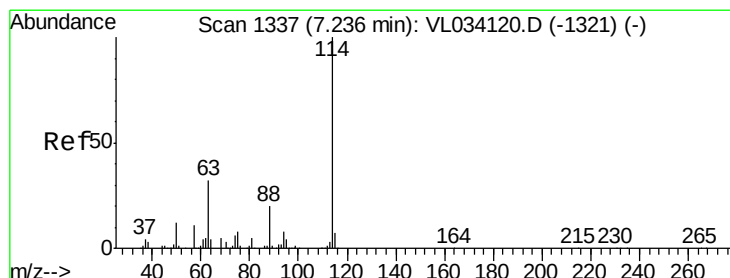
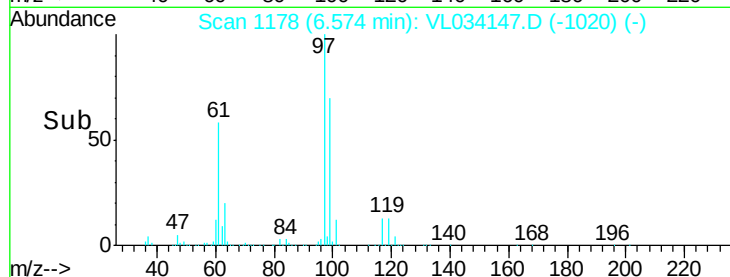
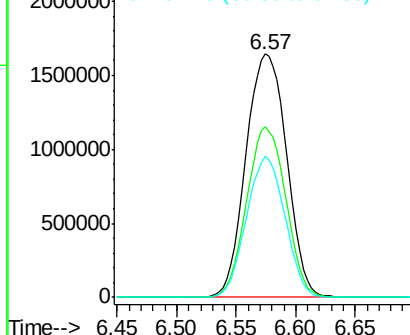
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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

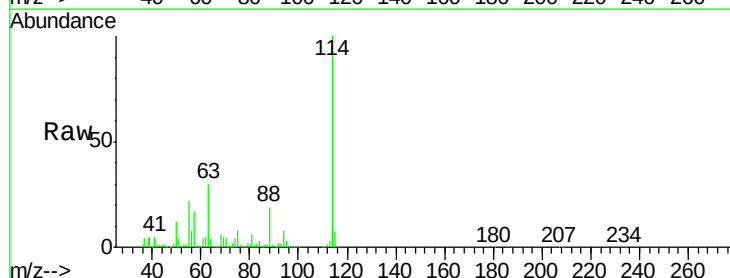
Tgt Ion: 114 Resp: 1378449

Ion Ratio Lower Upper

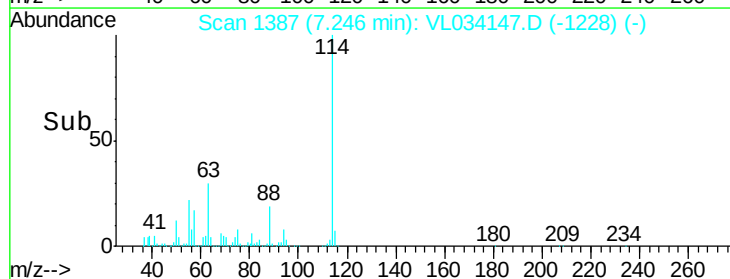
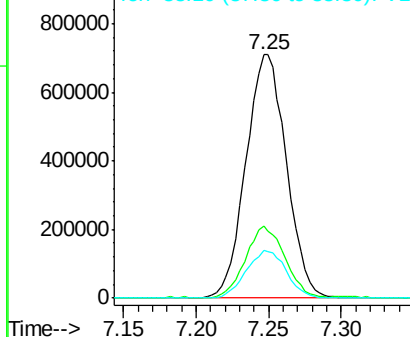
114 100

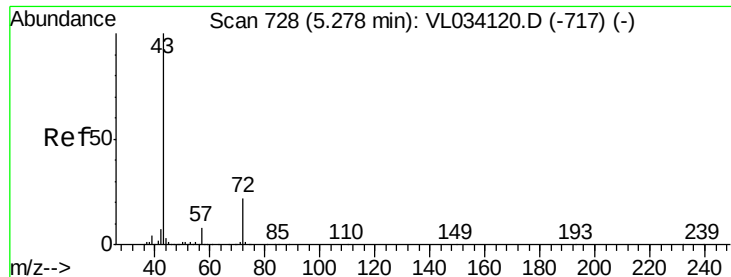
63 29.8 25.5 38.3

88 19.6 16.8 25.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





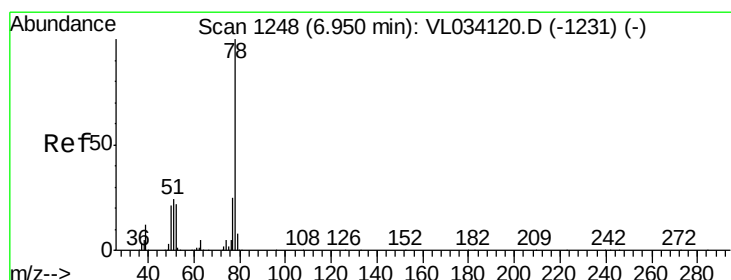
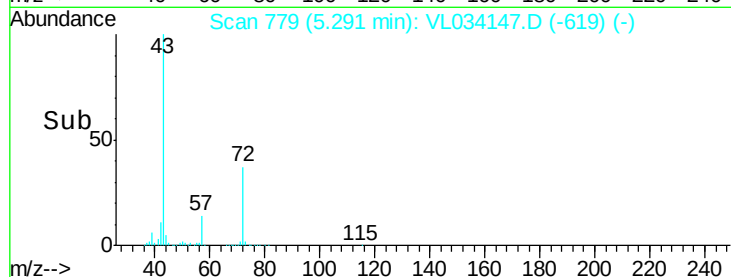
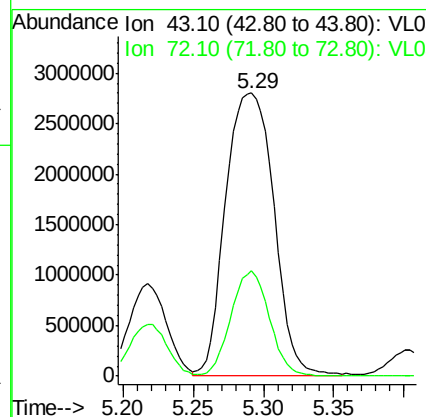
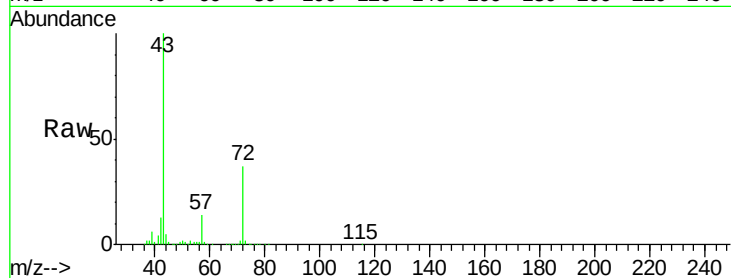
#34
2-Butanone
Concen: 50.136 ppbv
RT: 5.29 min Scan# 779
Delta R.T. 0.01 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tot Ion: 43 Resp: 6644009
Ion Ratio Lower Upper
43 100
72 29.7 16.5 24.7#

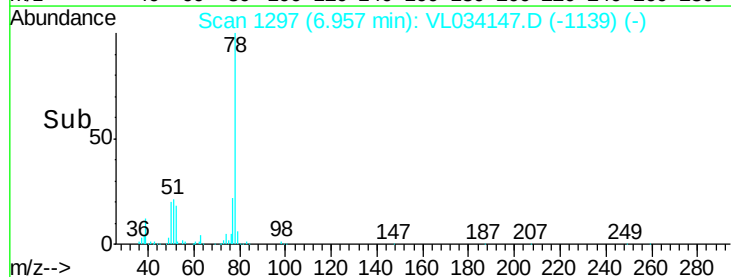
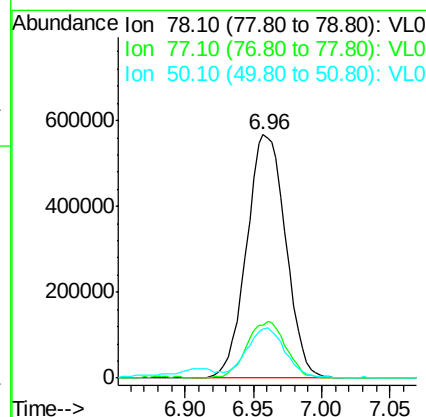
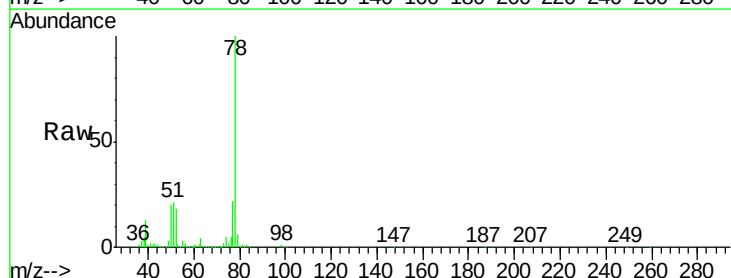
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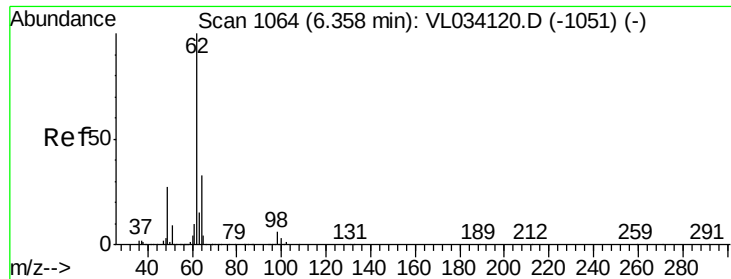
MMDadoda
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#36
Benzene
Concen: 7.136 ppbv
RT: 6.96 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion: 78 Resp: 1124318
Ion Ratio Lower Upper
78 100
77 21.7 20.3 30.5
50 19.5 16.9 25.3





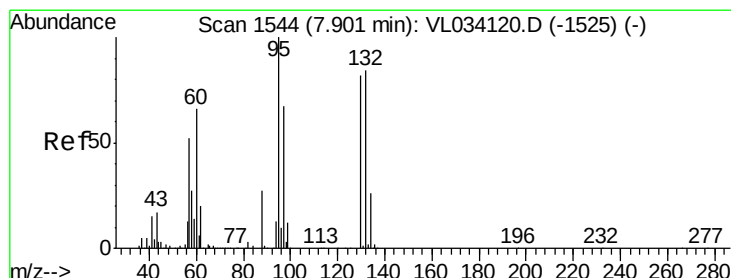
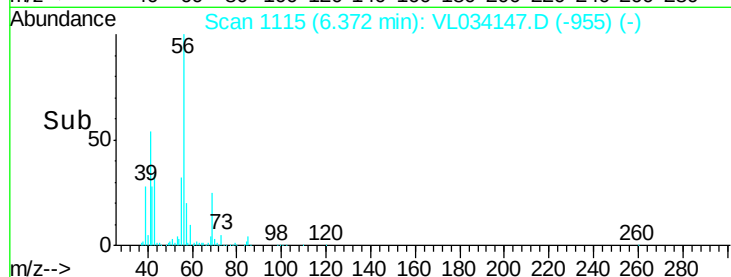
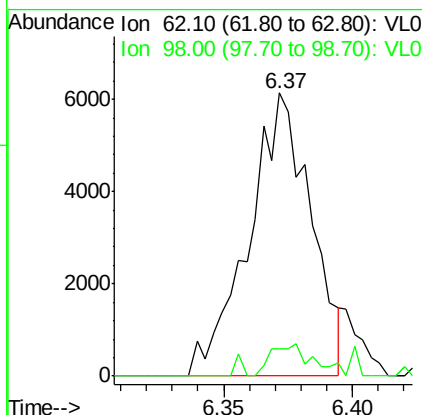
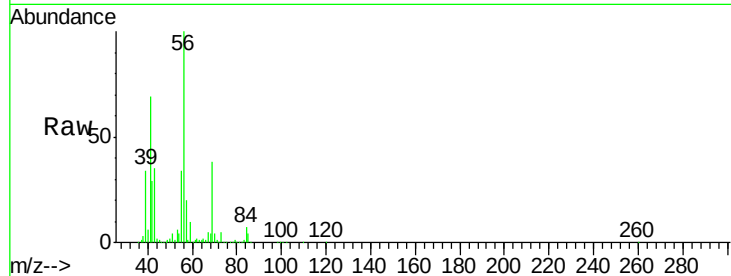
#37
 1,2-Dichloroethane
 Concen: 0.107 ppbv
 RT: 6.37 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Instrument :
 MSVOA_L
 ClientSampled :
 SV3

Tot Ion	Ratio	Resp	Lower	Upper
62	100	10324		
98	0.0	4.4	6.6#	

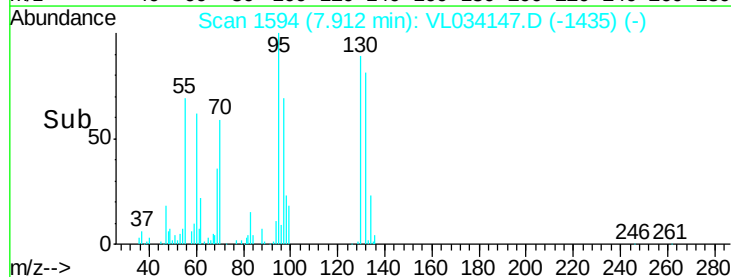
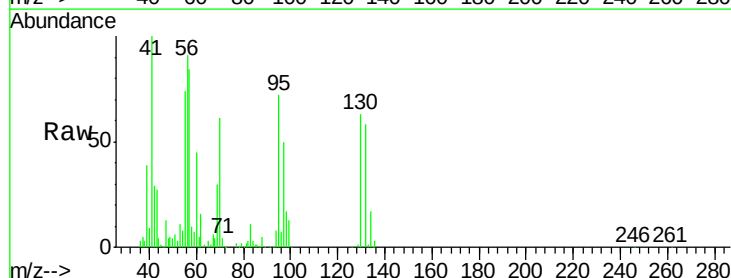
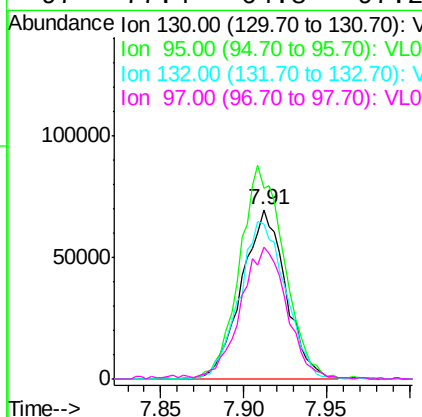
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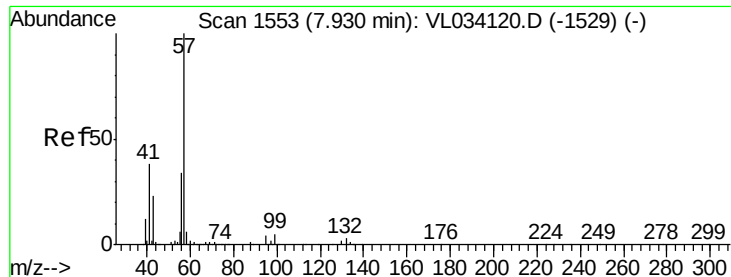
MMDadoda
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#38
 Trichloroethene
 Concen: 2.191 ppbv
 RT: 7.91 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	128788		
95	112.0	97.2	145.8	
132	91.4	81.4	122.2	
97	77.4	64.8	97.2	





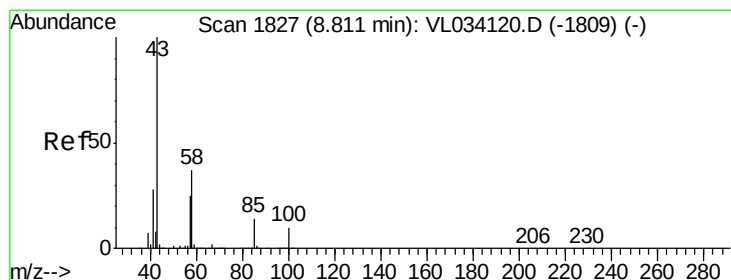
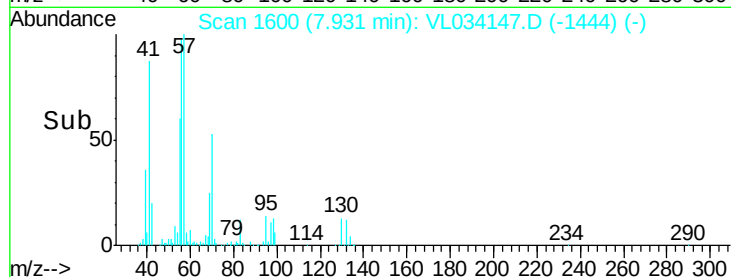
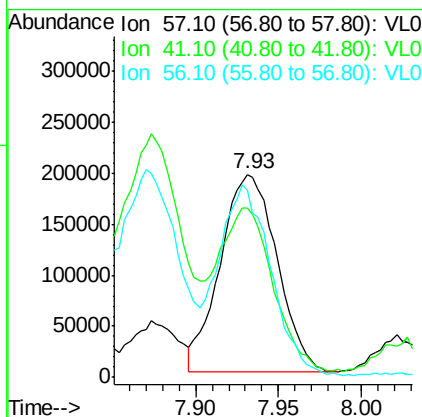
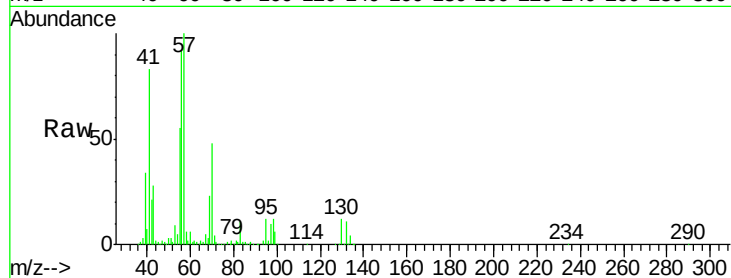
#44
 2,2,4-Trimethylpentane
 Concen: 1.581 ppbv
 RT: 7.93 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Instrument :
 MSVOA_L
 ClientSampled :
 SV3

Tot Ion	Ratio	Lower	Upper
57	100		
41	78.4	28.4	42.6#
56	85.7	26.3	39.5#

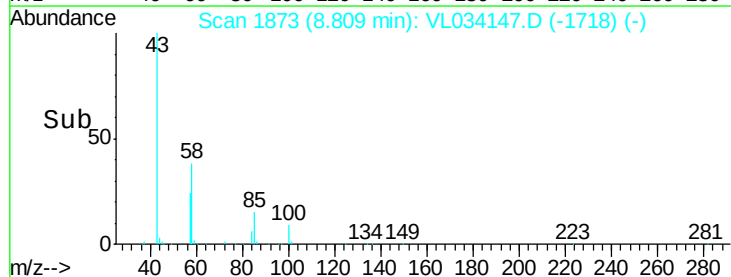
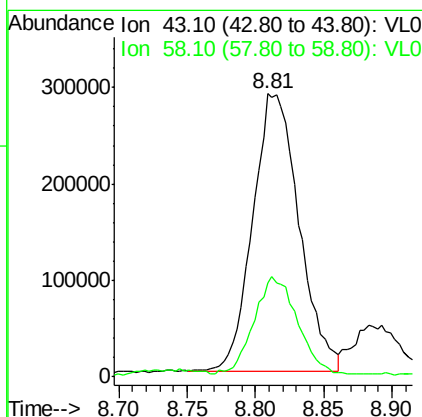
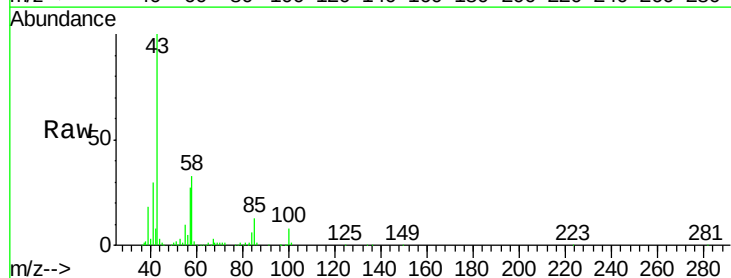
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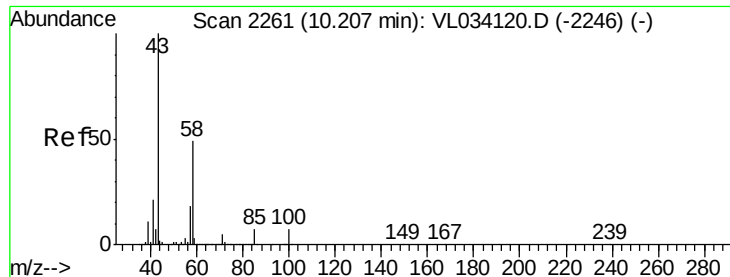
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 3.350 ppbv
 RT: 8.81 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VL034147.D
 Acq: 10 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	28.5	42.7





#51

2-Hexanone

Concen: 20.018 ppbv

RT: 10.21 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion: 43 Resp: 3497031

Ion Ratio Lower Upper

43 100

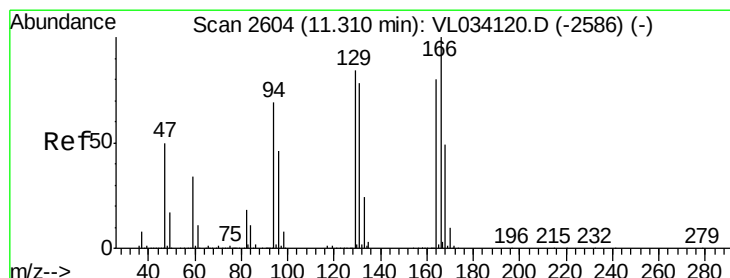
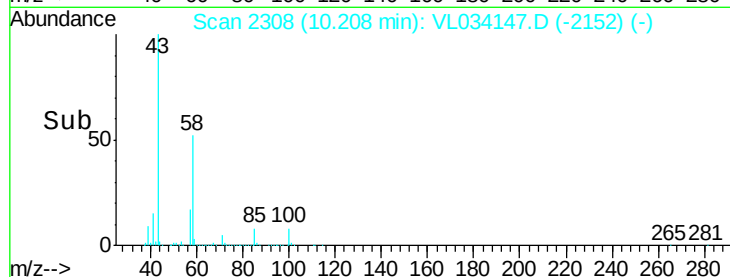
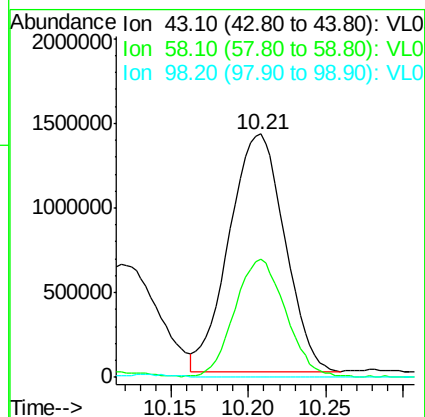
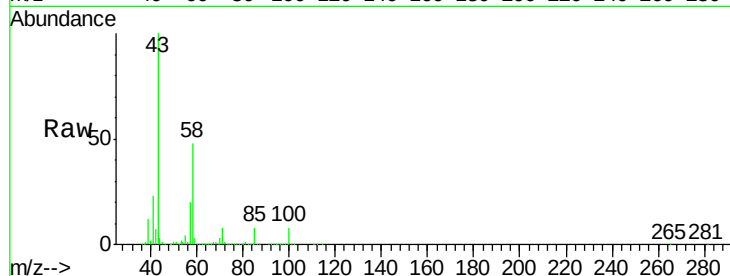
58 46.3 38.2 57.2

98 0.0 0.1 0.1#

Manual Integrations
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#52

Tetrachloroethene

Concen: 149.075 ppbv

RT: 11.34 min Scan# 2660

Delta R.T. 0.03 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Tgt Ion: 164 Resp: 8282439

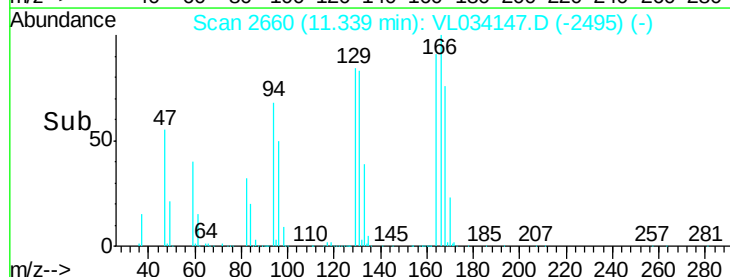
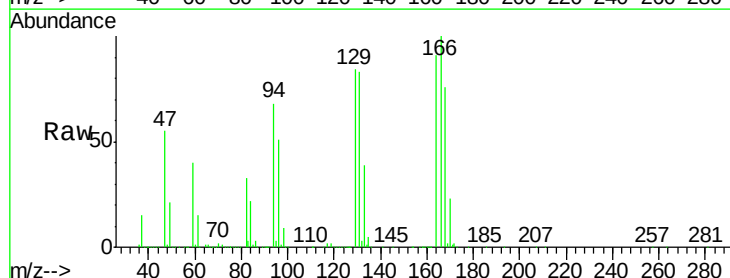
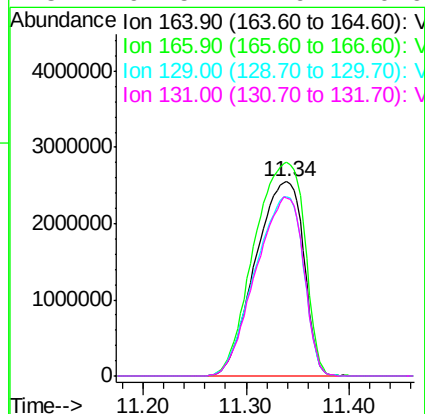
Ion Ratio Lower Upper

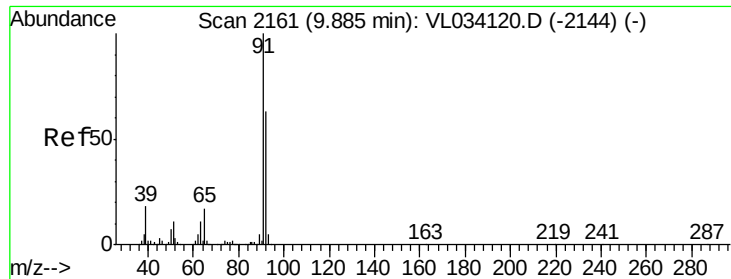
164 100

166 110.0 99.5 149.3

129 92.4 83.6 125.4

131 91.5 77.9 116.9





#53

Toluene

Concen: 18.713 ppbv

RT: 9.89 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion: 91 Resp: 3261009

Ion Ratio Lower Upper

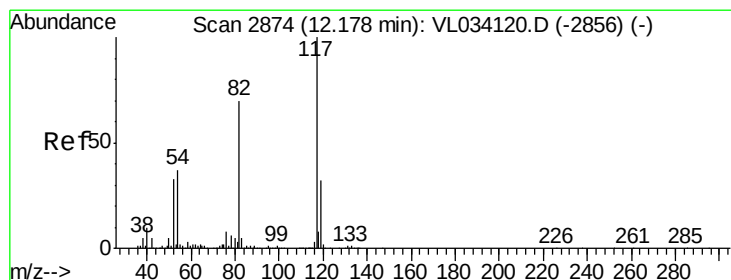
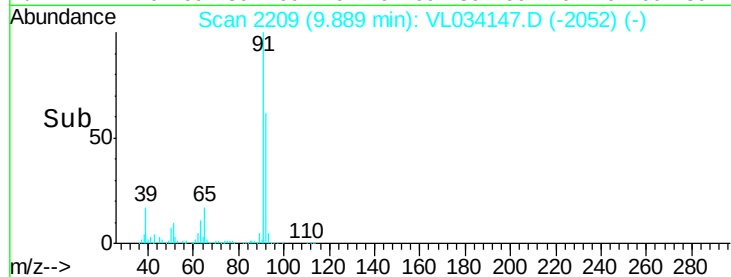
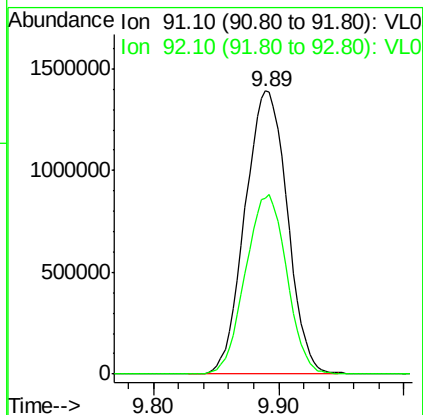
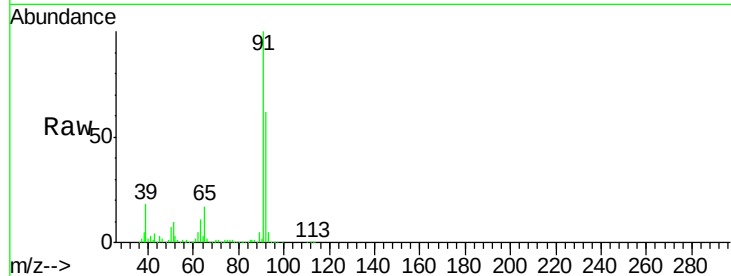
91 100

92 62.1 49.3 73.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

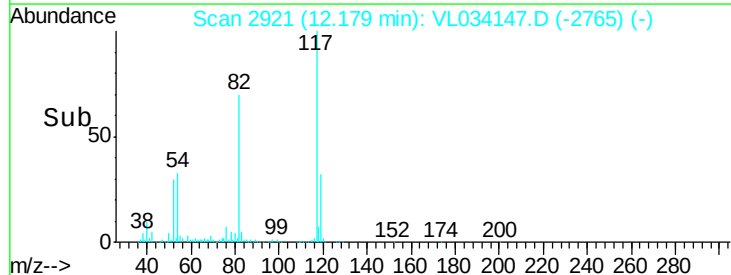
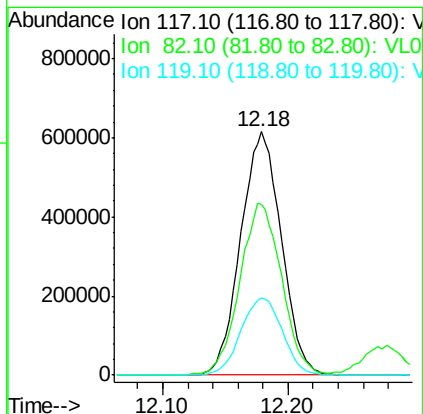
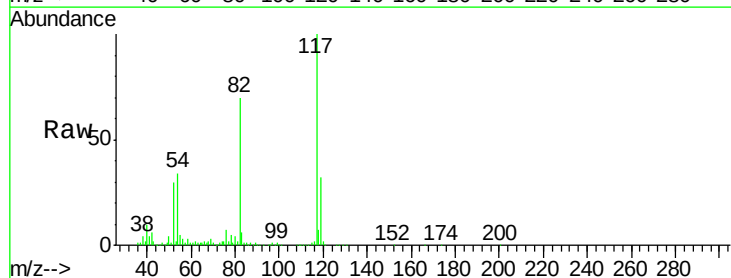
Tgt Ion: 117 Resp: 1384706

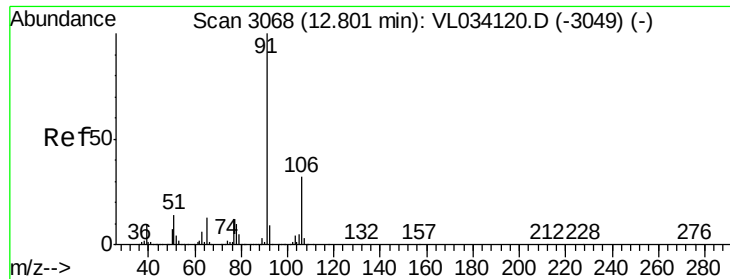
Ion Ratio Lower Upper

117 100

82 72.1 55.8 83.6

119 32.5 43.1 64.7#





#58

Ethyl Benzene

Concen: 5.715 ppbv

RT: 12.80 min Scan# 3114

Delta R.T. -0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 91 Resp: 1297563

Ion Ratio Lower Upper

91 100

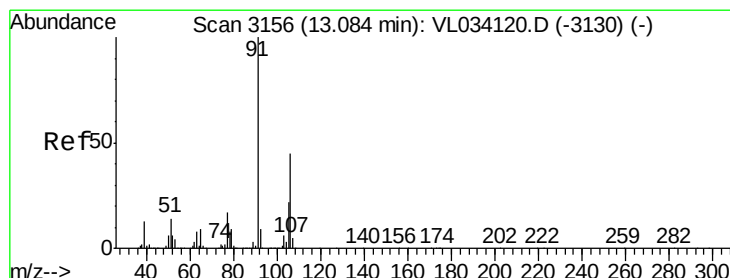
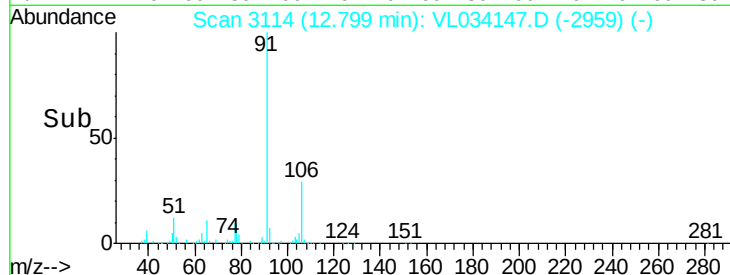
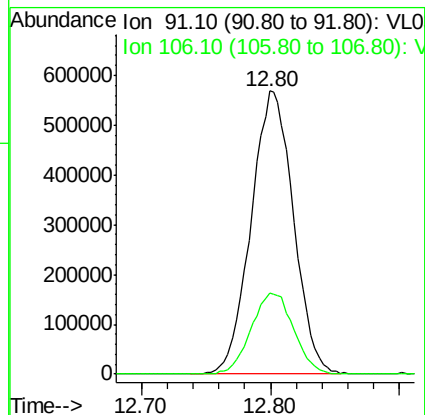
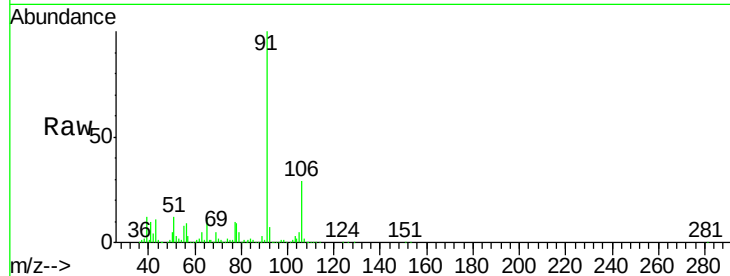
106 28.7 25.3 37.9

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#59

m/p-Xylene

Concen: 19.514 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VL034147.D

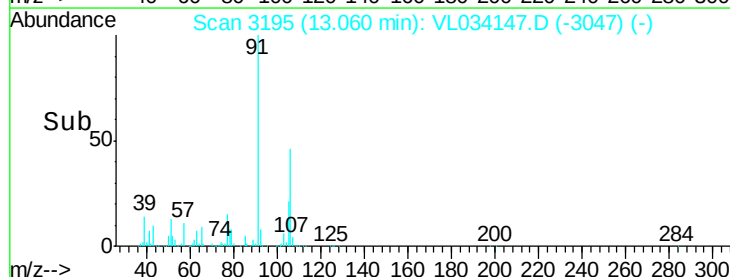
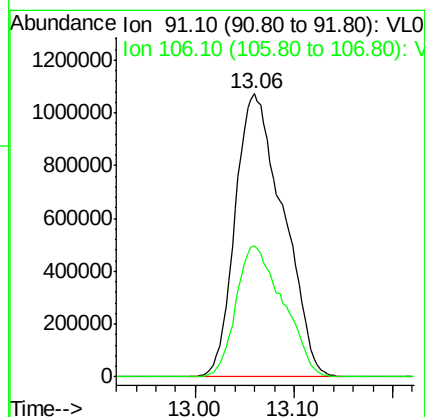
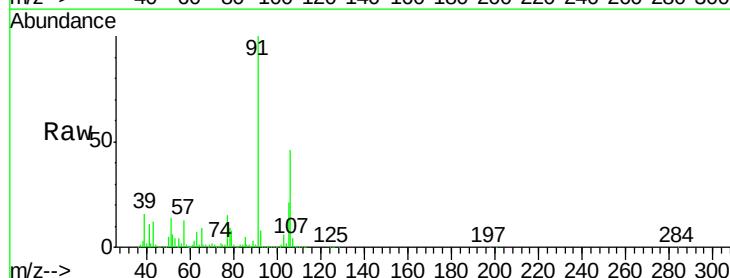
Acq: 10 Sep 2019 17:53

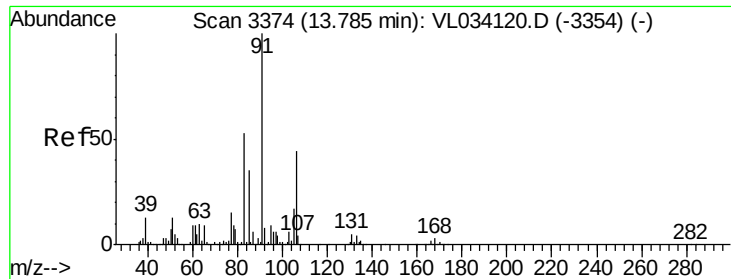
Tgt Ion: 91 Resp: 3614500

Ion Ratio Lower Upper

91 100

106 45.5 35.4 53.2





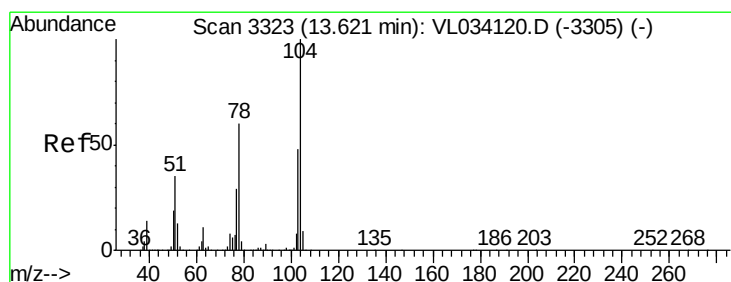
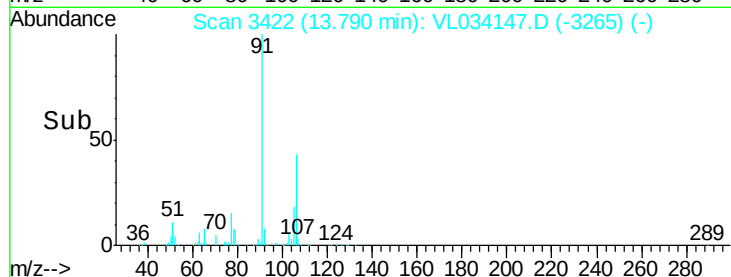
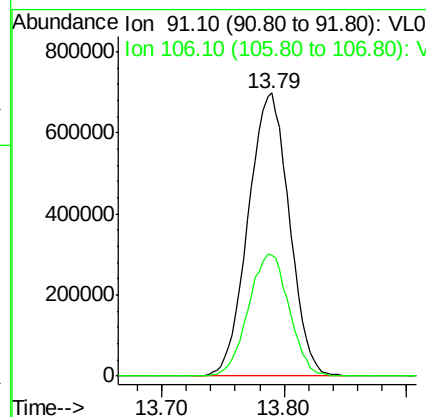
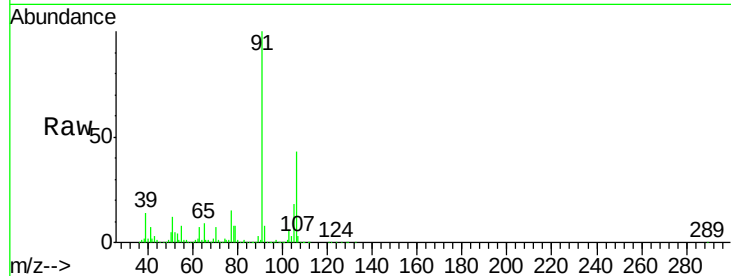
#60
o-Xylene
Concen: 8.765 ppbv
RT: 13.79 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 91 Resp: 1617056
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3

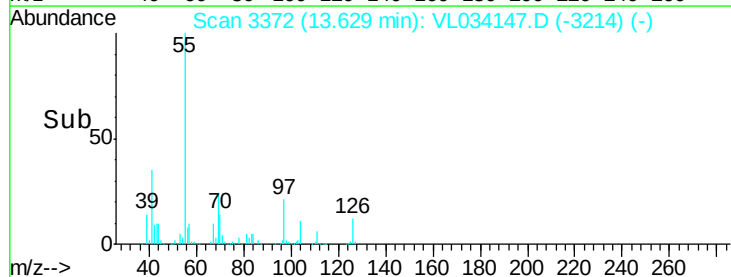
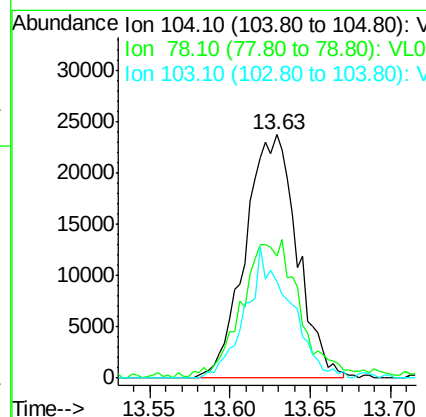
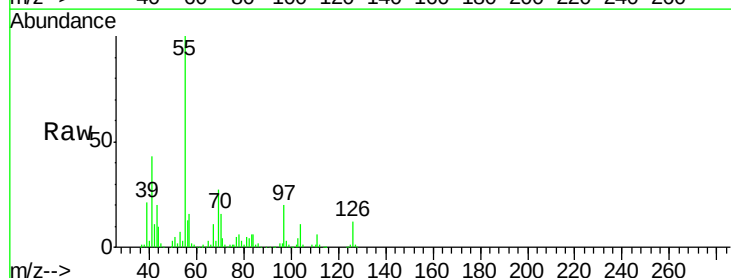
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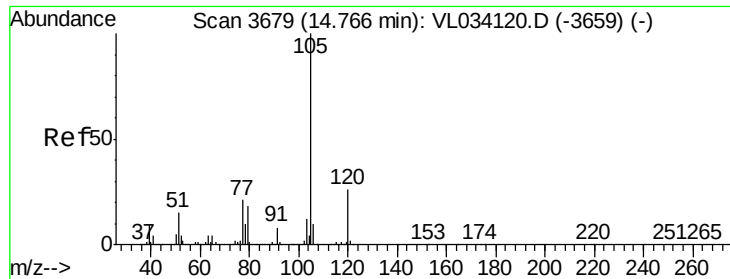
MMDadoda
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#61
Styrene
Concen: 0.380 ppbv m
RT: 13.63 min Scan# 3372
Delta R.T. 0.01 min
Lab File: VL034147.D
Acq: 10 Sep 2019 17:53

Tgt Ion: 104 Resp: 52474
Ion Ratio Lower Upper
104 100
78 0.0 47.8 71.6#
103 46.9 38.7 58.1





#62

Isopropylbenzene

Concen: 0.681 ppbv

RT: 14.76 min Scan# 3725

Delta R.T. -0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tot Ion:105 Resp: 163464

Ion Ratio Lower Upper

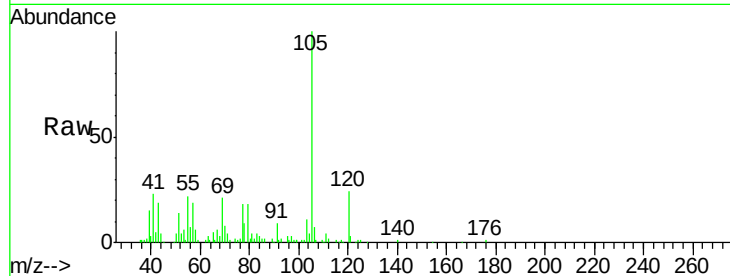
105 100

120 24.6 20.6 31.0

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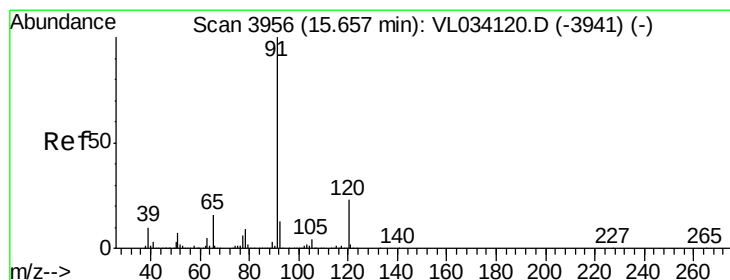
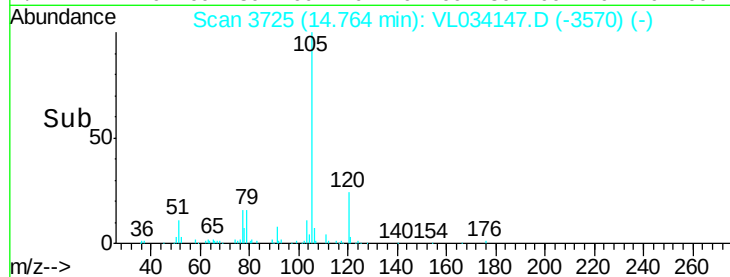
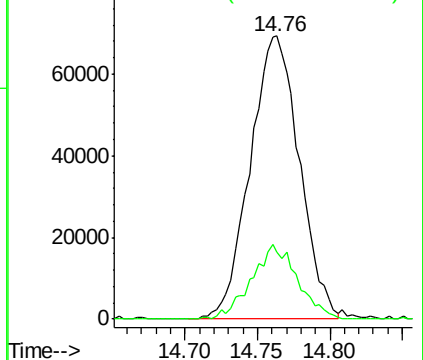
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 1.944 ppbv

RT: 15.66 min Scan# 4003

Delta R.T. 0.00 min

Lab File: VL034147.D

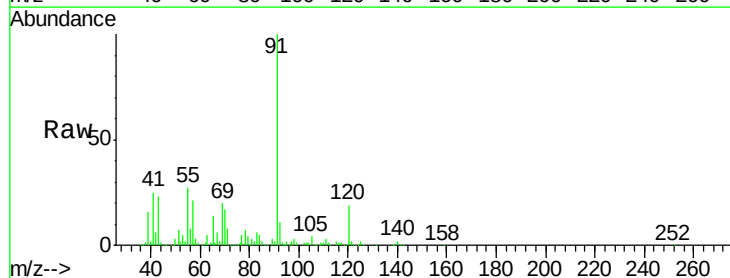
Acq: 10 Sep 2019 17:53

Tgt Ion:120 Resp: 116921

Ion Ratio Lower Upper

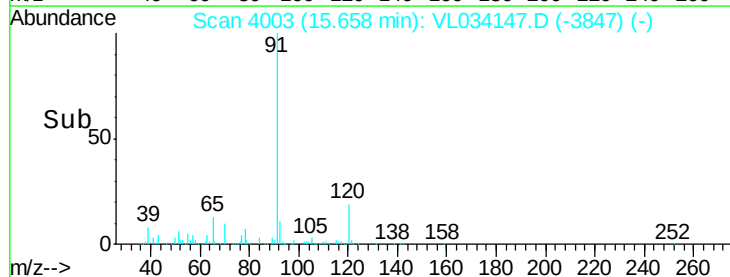
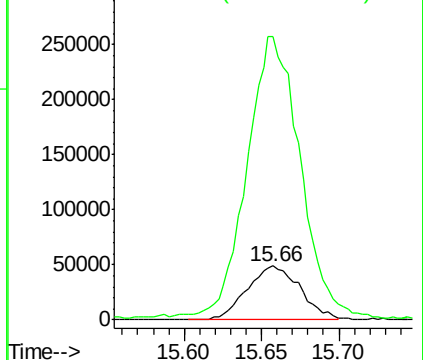
120 100

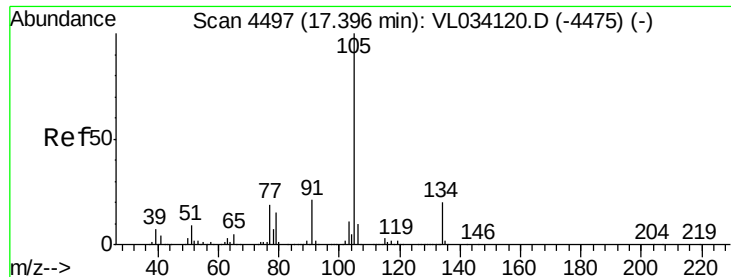
91 531.7 376.8 565.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#67

sec-Butylbenzene

Concen: 0.169 ppbv m

RT: 17.41 min Scan# 4548

Delta R.T. 0.01 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 105 Resp: 50204

Ion Ratio Lower Upper

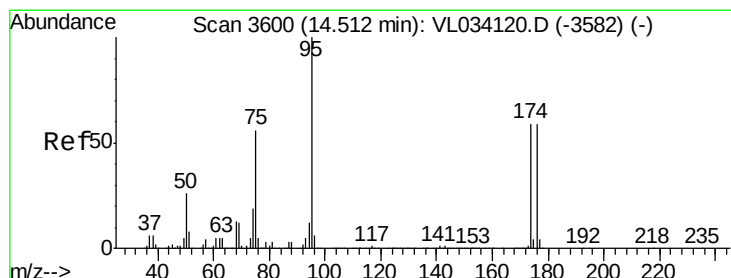
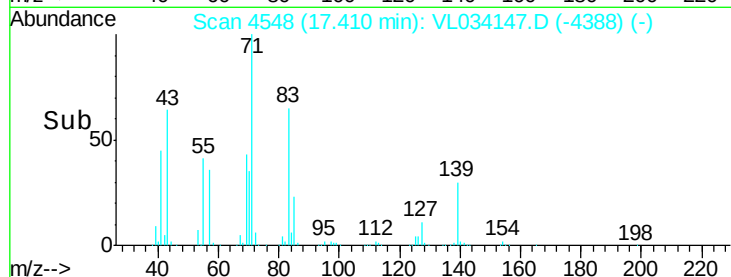
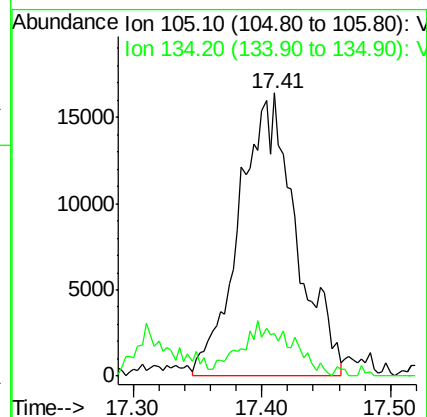
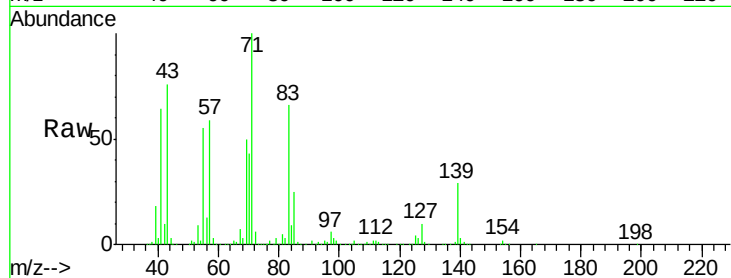
105 100

134 17.7 15.0 22.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.931 ppbv

RT: 14.51 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

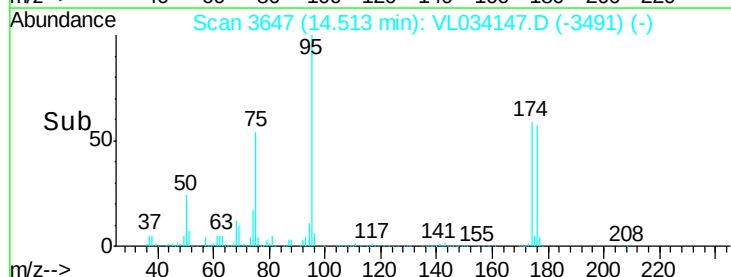
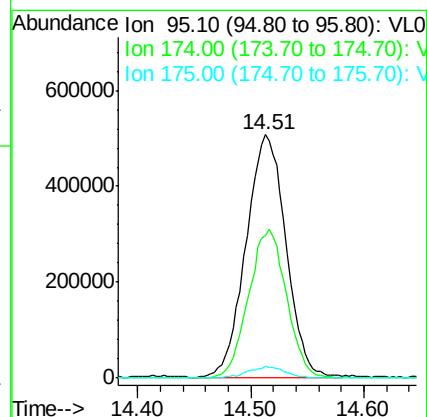
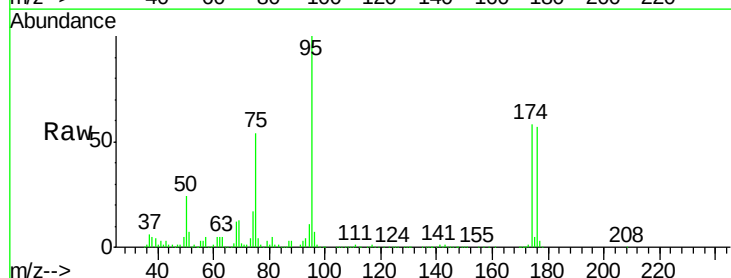
Tgt Ion: 95 Resp: 1237436

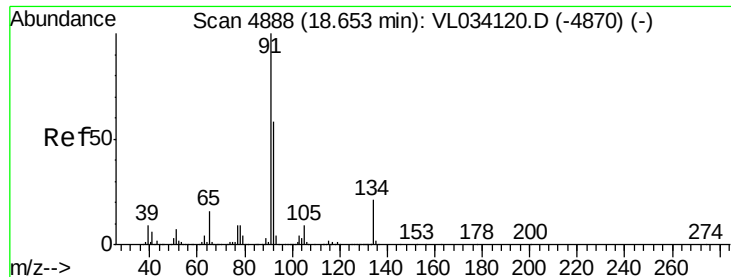
Ion Ratio Lower Upper

95 100

174 58.4 48.1 72.1

175 4.4 3.5 5.3





#70

n-Butylbenzene

Concen: 0.709 ppbv m

RT: 18.69 min Scan# 4947

Delta R.T. 0.04 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

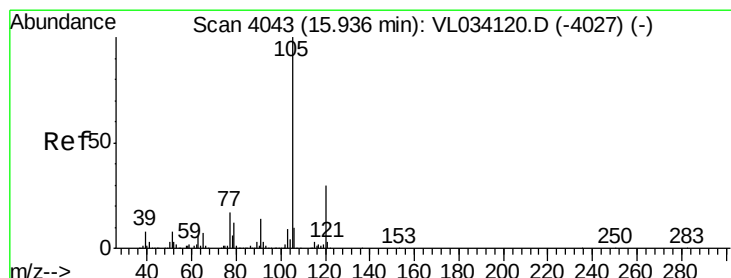
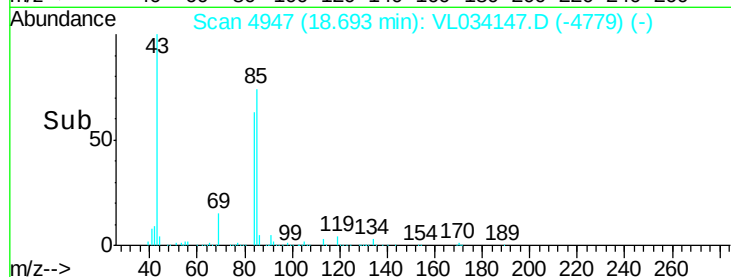
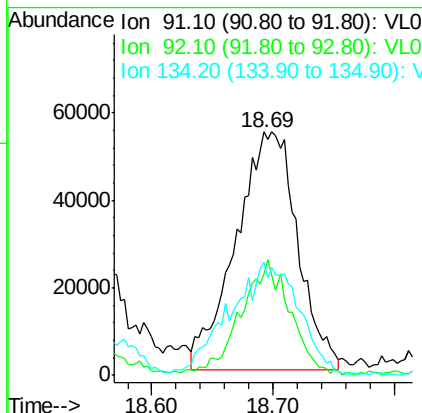
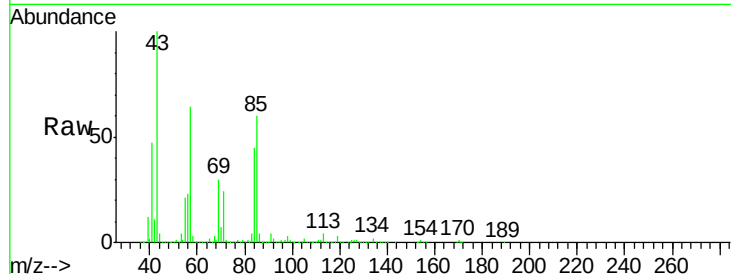
ClientSampled :

SV3

Tot Ion:	91	Resp:	192278
Ion Ratio	Lower	Upper	
91	100		
92	0.0	45.3	67.9#
134	0.0	17.4	26.0#

Manual Integrations
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#72

4-Ethyltoluene

Concen: 3.280 ppbv

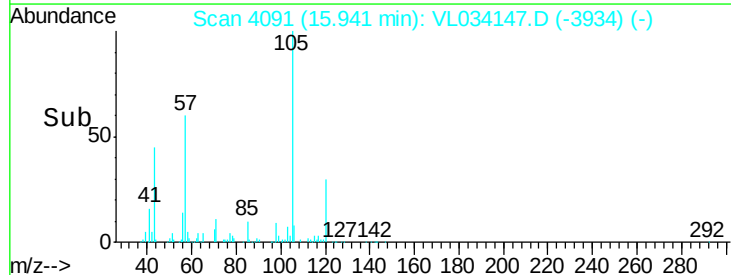
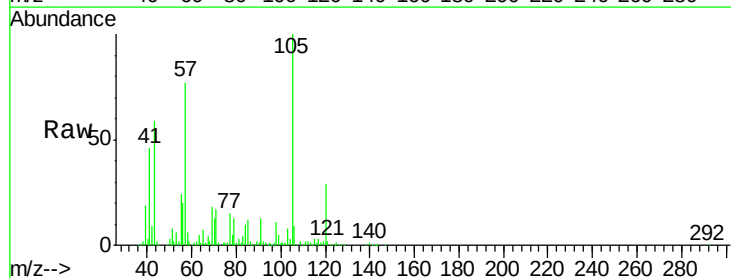
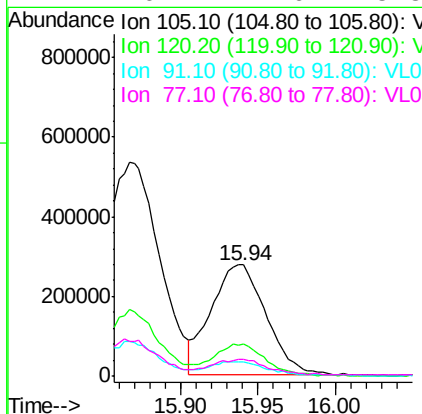
RT: 15.94 min Scan# 4091

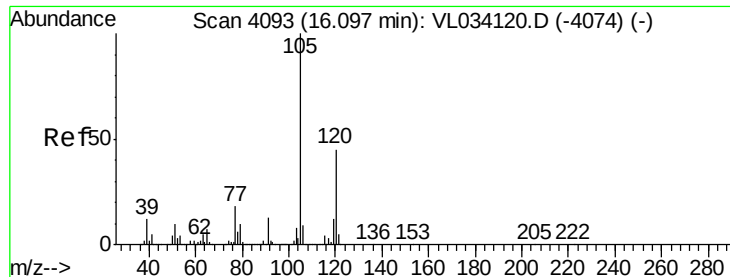
Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Tgt Ion:	105	Resp:	682813
Ion Ratio	Lower	Upper	
105	100		
120	27.4	23.8	35.6
91	12.9	11.4	17.0
77	16.4	12.6	18.8





#73

1,3,5-Trimethylbenzene

Concen: 2.838 ppbv

RT: 16.10 min Scan# 4140

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion:105 Resp: 574060

Ion Ratio Lower Upper

105 100

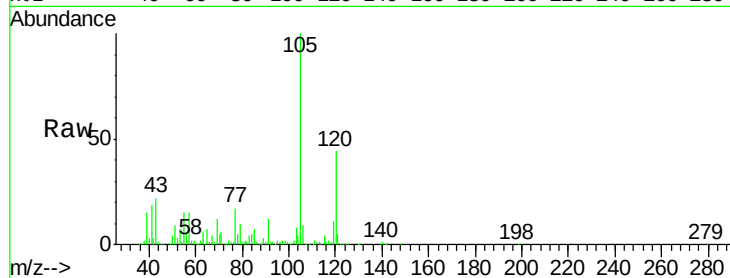
120 44.3 35.8 53.8

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.10

250000

200000

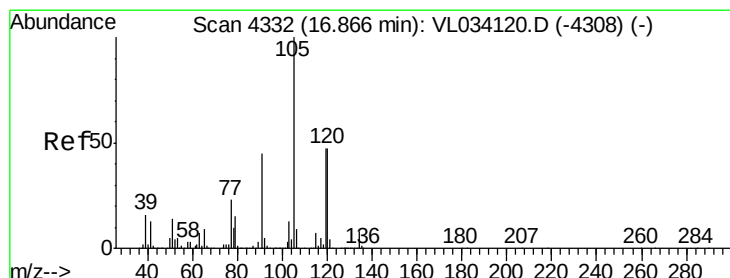
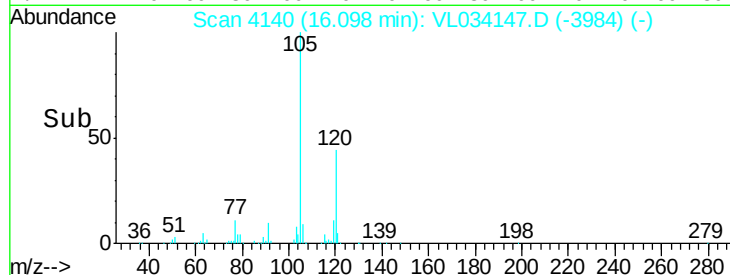
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.702 ppbv

RT: 16.87 min Scan# 4379

Delta R.T. 0.00 min

Lab File: VL034147.D

Acq: 10 Sep 2019 17:53

Tgt Ion:105 Resp: 1812850

Ion Ratio Lower Upper

105 100

120 41.9 37.7 56.5

91 13.1 36.2 54.2#

77 15.4 18.5 27.7#

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

800000

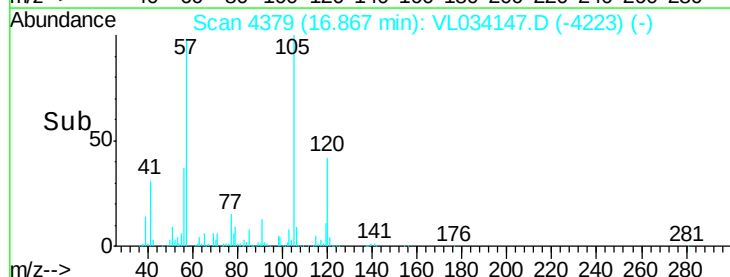
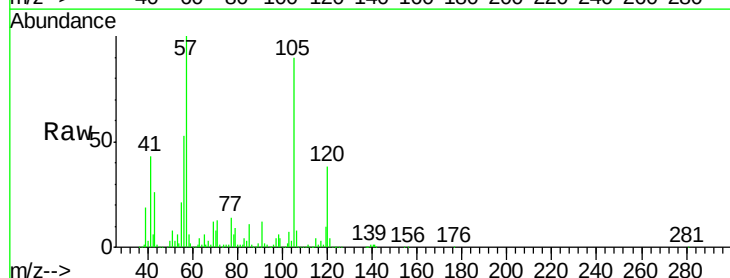
600000

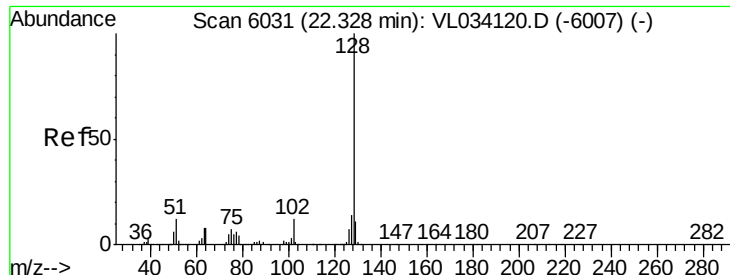
400000

200000

0

Time-->





#79

Naphthalene

Concen: 0.726 ppbv m

RT: 22.34 min Scan# 6082

Delta R.T. 0.01 min

Lab File: VL034147.D

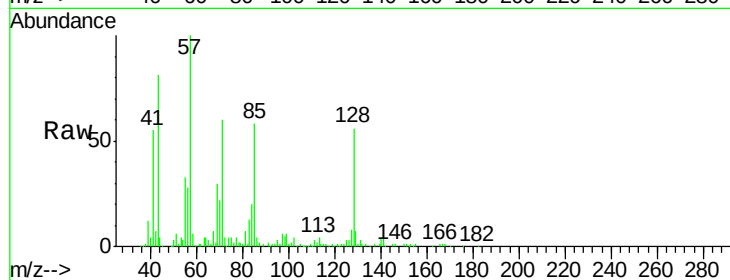
Acq: 10 Sep 2019 17:53

Instrument :

MSVOA_L

ClientSampleId :

SV3



Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	14.5	10.9	16.3	
129	13.4	8.5	12.7	

Manual Integrations
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