

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034131.D
 Acq On : 5 Sep 2019 11:32
 Operator : SY/AP
 Sample : K4612-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:08 AM

Quant Time: Sep 06 04:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 06 04:29:55 2019
 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	5.71	49	901453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1737974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	1683683	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1498399	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	84405	0.568	ppbv	91
3) Chlorodifluoromethane	2.98	51	65673	0.654	ppbv	96
4) Chloromethane	3.14	50	27780	0.442	ppbv	89
9) Propene	3.01	41	103600m	1.843	ppbv	
10) Heptane	8.18	43	150790	1.033	ppbv	97
11) Trichlorofluoromethane	3.96	101	30485m	0.251	ppbv	
13) Ethanol	3.62	45	1727965	156.891	ppbv	99
15) Acetone	3.85	43	3208738m	29.535	ppbv	
17) tert-Butyl alcohol	4.33	59	30969m	0.393	ppbv	
20) Methylene Chloride	4.36	84	142962	3.980	ppbv	96
25) Ethyl Acetate	5.71	43	3647846	15.296	ppbv #	88
29) Chloroform	5.80	83	93536	0.654	ppbv	95
30) Cyclohexane	7.18	84	15744m	0.205	ppbv	
34) 2-Butanone	5.27	43	4055462	24.272	ppbv	96
35) Carbon Tetrachloride	7.07	117	10607m	0.078	ppbv	
36) Benzene	6.94	78	62400	0.314	ppbv	93
43) Methyl Methacrylate	8.08	69	16197m	0.198	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	222914m	0.609	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	8140873	31.929	ppbv #	83
52) Tetrachloroethene	11.31	164	6073m	0.087	ppbv	
53) Toluene	9.88	91	1771587	8.063	ppbv	99
58) Ethyl Benzene	12.80	91	809851	2.933	ppbv	93
59) m/p-Xylene	13.06	91	1611347m	7.155	ppbv	
60) o-Xylene	13.78	91	842999	3.758	ppbv	99
61) Styrene	13.61	104	245821	1.465	ppbv	98
62) Isopropylbenzene	14.76	105	143115m	0.490	ppbv	
64) n-propylbenzene	15.65	120	117621m	1.609	ppbv	
65) tert-Butylbenzene	16.86	119	322470	1.280	ppbv #	62
67) sec-Butylbenzene	17.39	105	262827	0.726	ppbv	95
69) p-Isopropyltoluene	17.75	119	229970	0.794	ppbv	93
70) n-Butylbenzene	18.65	91	398185	1.208	ppbv #	63
72) 4-Ethyltoluene	15.93	105	804878	3.180	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	747585	3.039	ppbv	96
74) 1,2,4-Trimethylbenzene	16.86	105	2909668	11.487	ppbv #	77
76) 1,4-Dichlorobenzene	17.24	146	17002m	0.121	ppbv	
79) Naphthalene	22.33	128	47862m	0.209	ppbv	
80) Naphthalene,2-methyl-	25.06	142	20979	0.264	ppbv	95

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

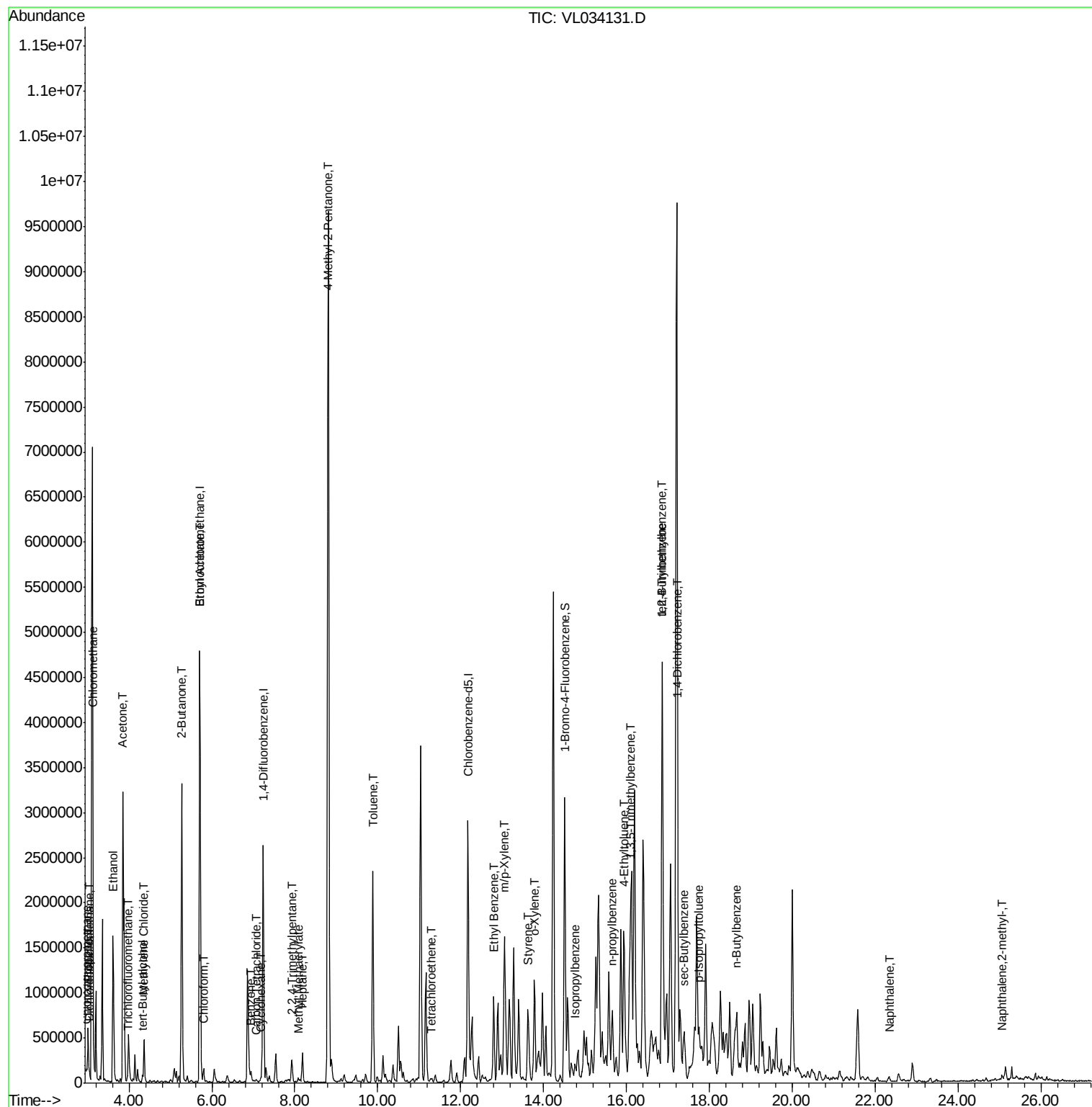
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
Data File : VL034131.D
Acq On : 5 Sep 2019 11:32
Operator : SY/AP
Sample : K4612-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

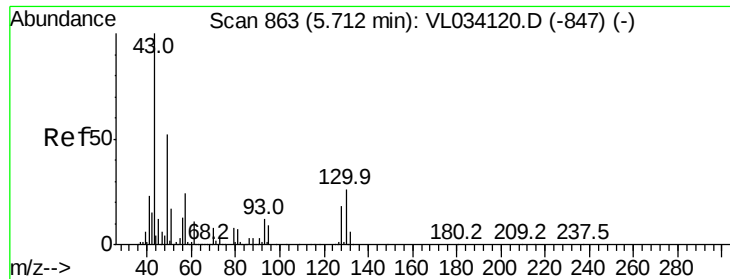
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

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Quant Time: Sep 06 04:29:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

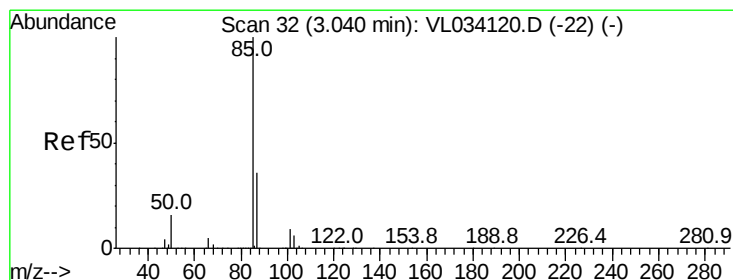
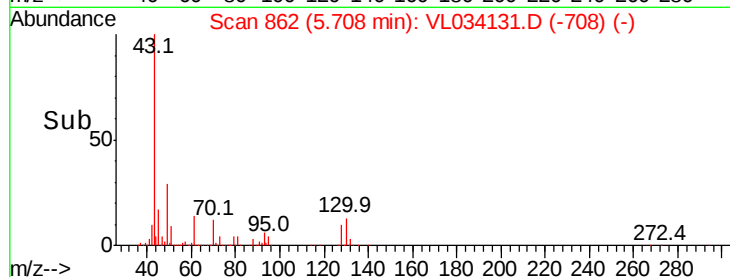
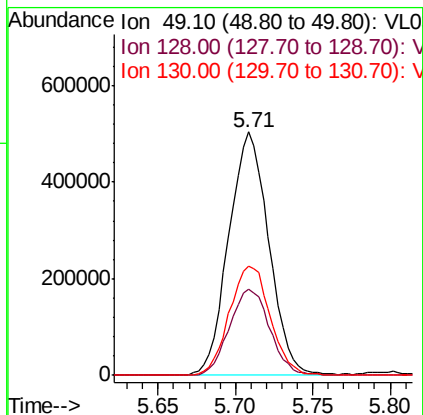
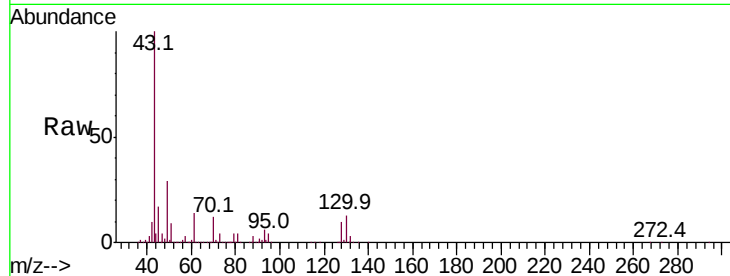
ClientSampleId :

AMBIENT

Tot Ion	Ratio	Lower	Upper
49	100		
128	36.0	18.4	55.0
130	46.0	23.5	70.6

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#2

Dichlorodifluoromethane

Concen: 0.568 ppbv

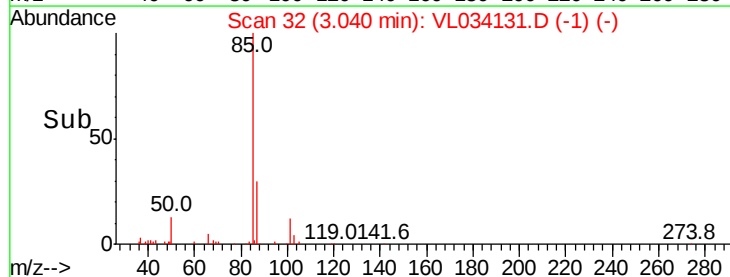
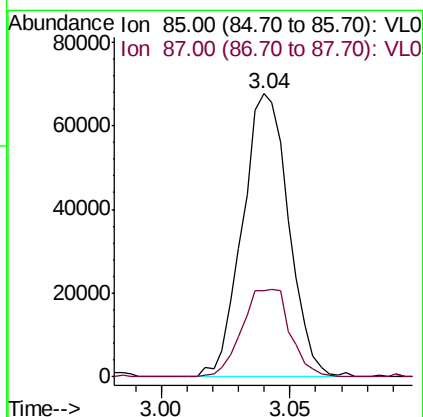
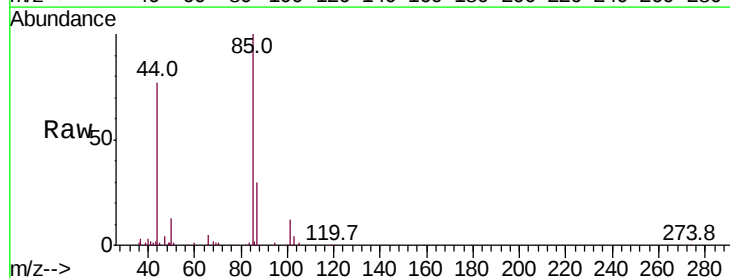
RT: 3.04 min Scan# 32

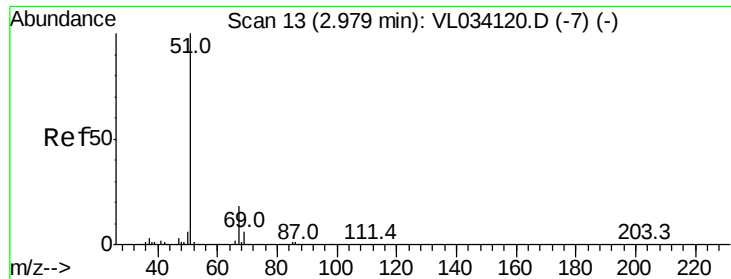
Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.4	28.6	43.0





#3

Chlorodifluoromethane

Concen: 0.654 ppbv

RT: 2.98 min Scan# 13

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 51 Resp: 65673

Ion Ratio Lower Upper

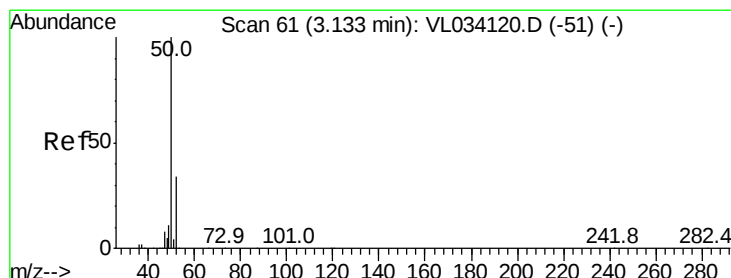
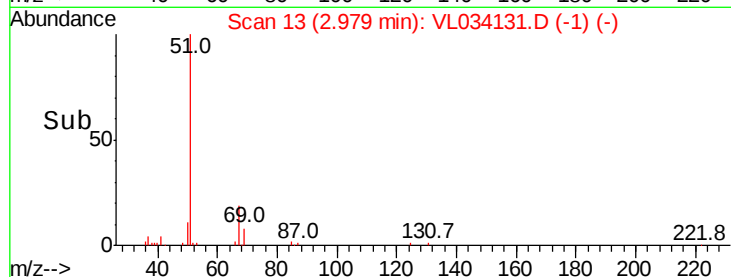
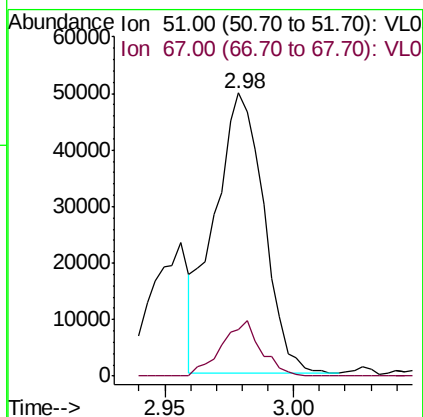
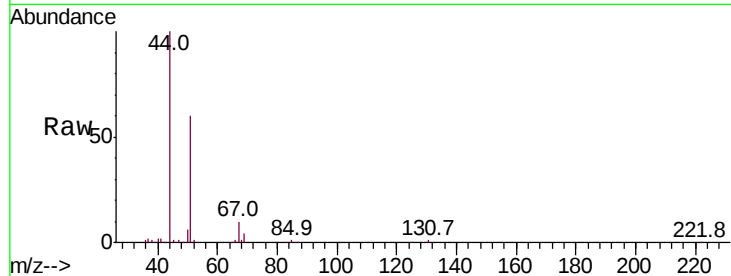
51 100

67 15.9 14.2 21.4

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#4

Chloromethane

Concen: 0.442 ppbv

RT: 3.14 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034131.D

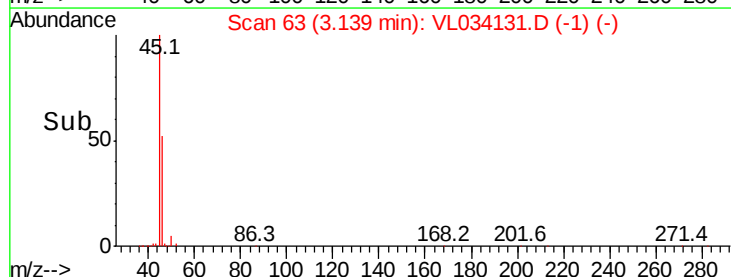
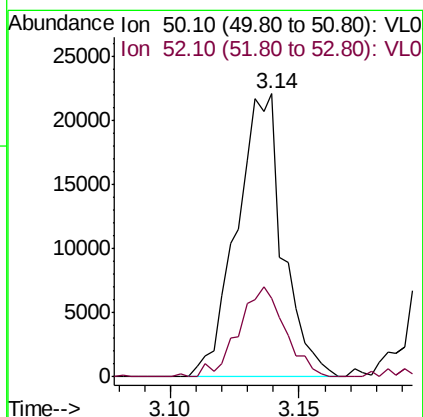
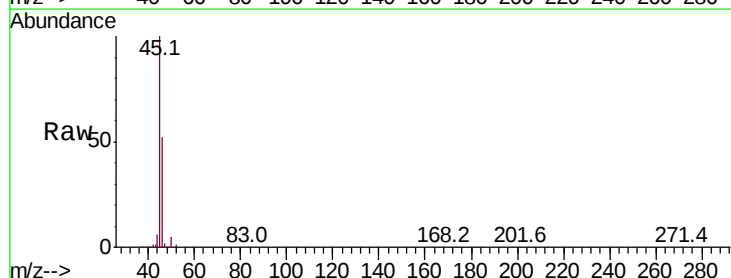
Acq: 5 Sep 2019 11:32

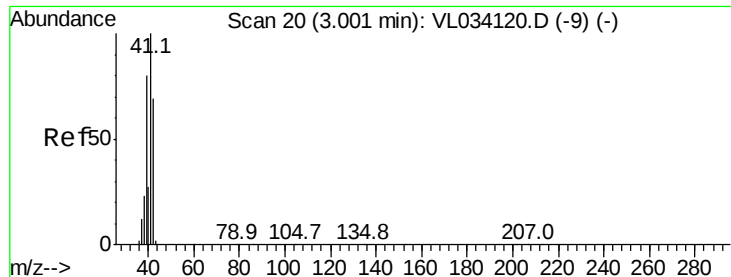
Tgt Ion: 50 Resp: 27780

Ion Ratio Lower Upper

50 100

52 27.7 27.4 41.2





#9

Propene

Concen: 1.843 ppbv m

RT: 3.01 min Scan# 24

Delta R.T. 0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 41 Resp: 103600

Ion Ratio Lower Upper

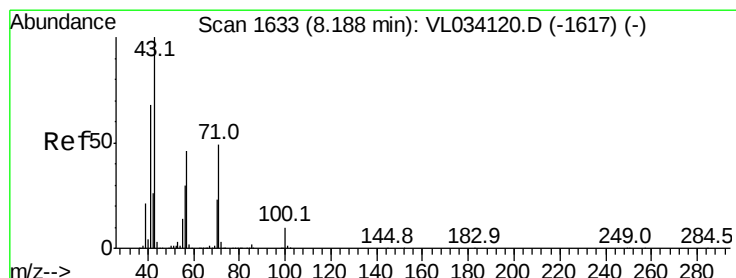
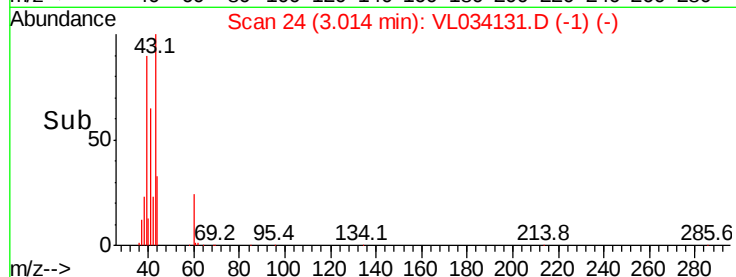
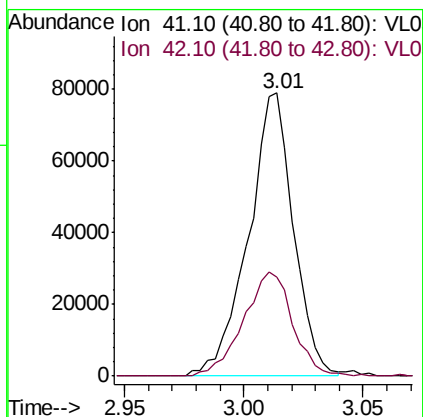
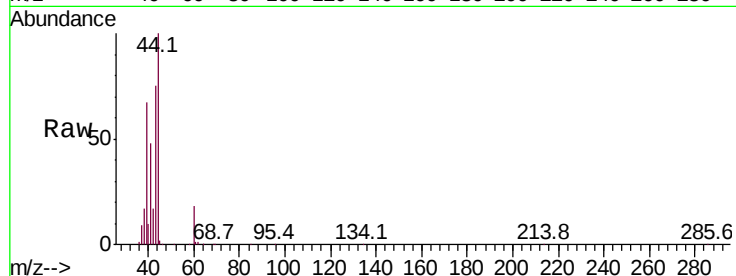
41 100

42 163.8 54.6 81.8#

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#10

Heptane

Concen: 1.033 ppbv

RT: 8.18 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VL034131.D

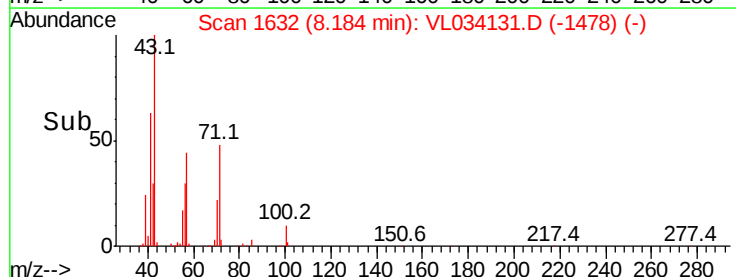
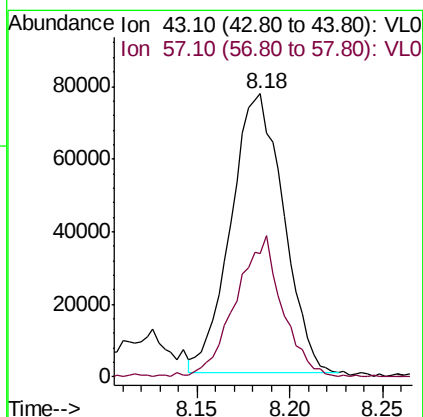
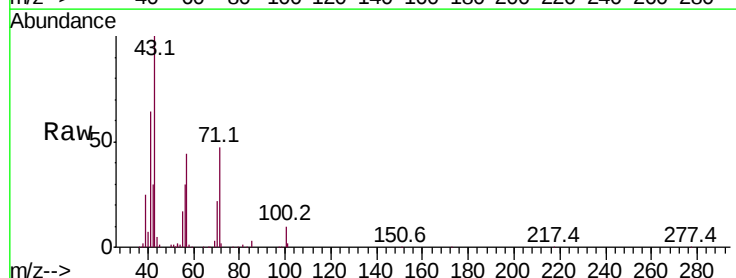
Acq: 5 Sep 2019 11:32

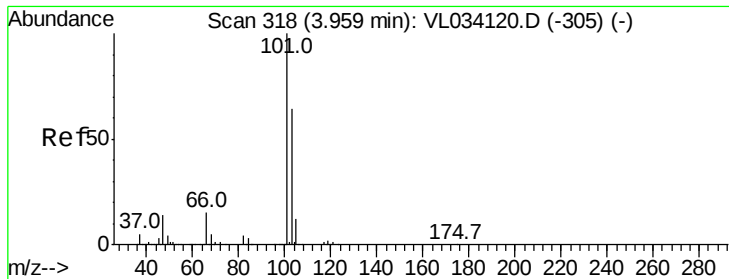
Tgt Ion: 43 Resp: 150790

Ion Ratio Lower Upper

43 100

57 45.3 38.1 57.1





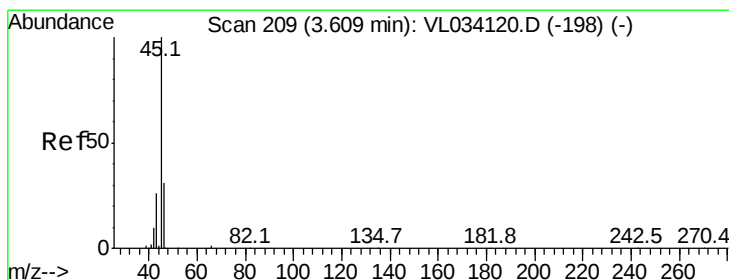
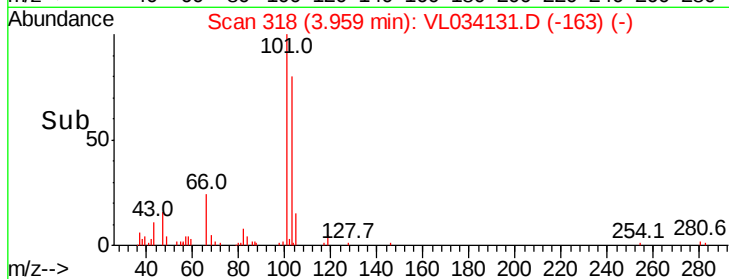
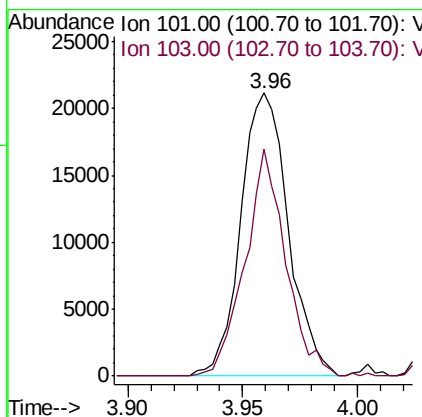
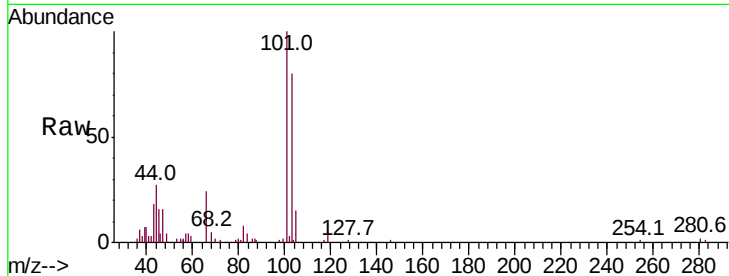
#11
 Trichlorofluoromethane
 Concen: 0.251 ppbv m
 RT: 3.96 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Tot Ion:101 Resp: 30485
 Ion Ratio Lower Upper
 101 100
 103 80.1 51.4 77.2#

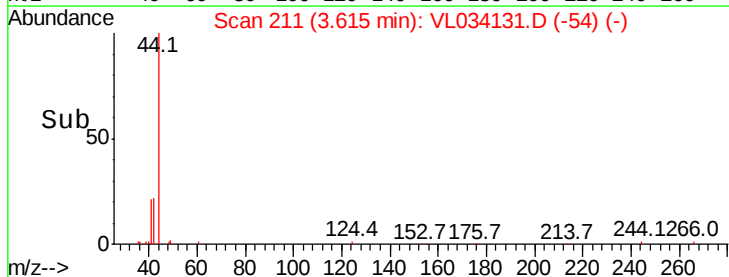
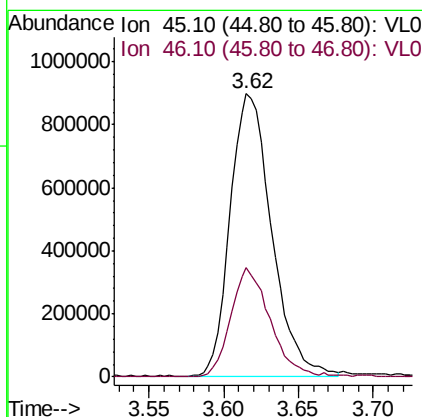
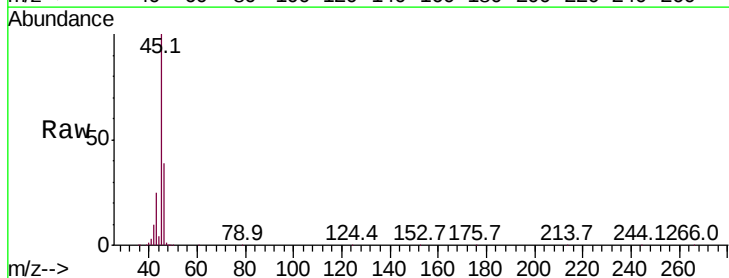
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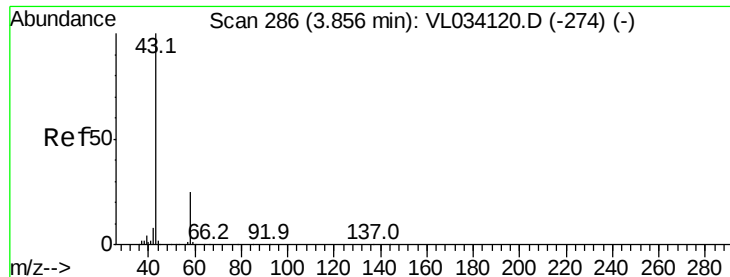
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#13
 Ethanol
 Concen: 156.891 ppbv
 RT: 3.62 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Tgt Ion: 45 Resp: 1727965
 Ion Ratio Lower Upper
 45 100
 46 36.7 15.0 60.0





#15

Acetone

Concen: 29.535 ppbv m

RT: 3.85 min Scan# 284

Delta R.T. -0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 43 Resp: 3208738

Ion Ratio Lower Upper

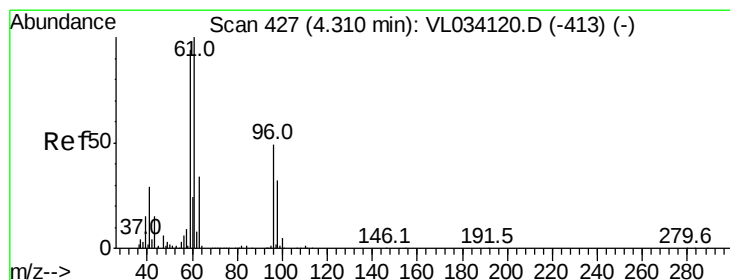
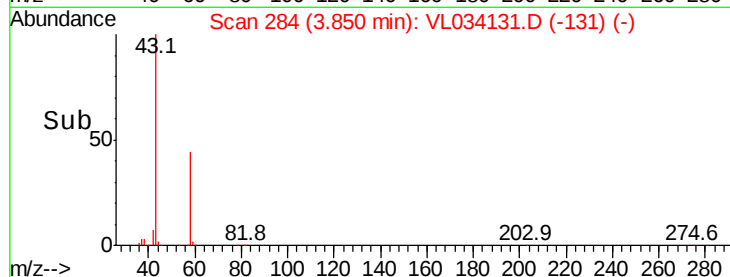
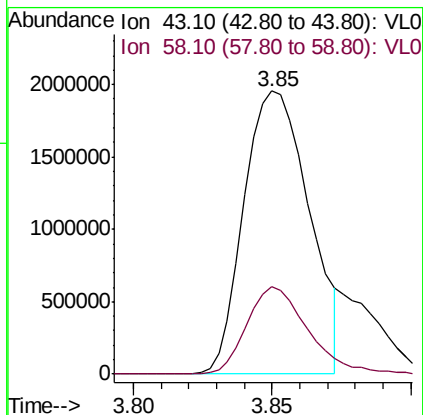
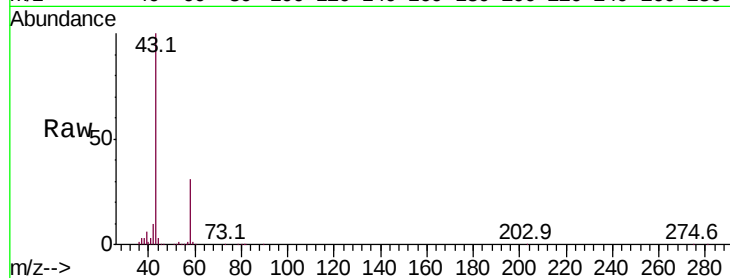
43 100

58 29.1 20.6 30.8

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#17

tert-Butyl alcohol

Concen: 0.393 ppbv m

RT: 4.33 min Scan# 432

Delta R.T. 0.02 min

Lab File: VL034131.D

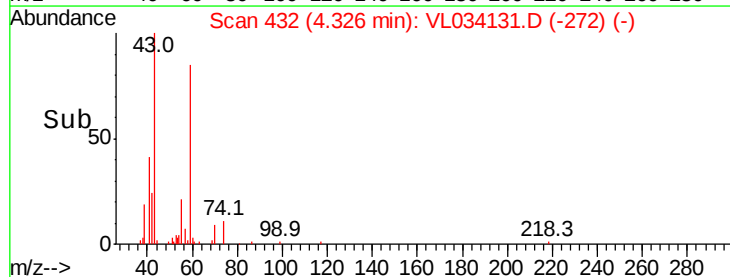
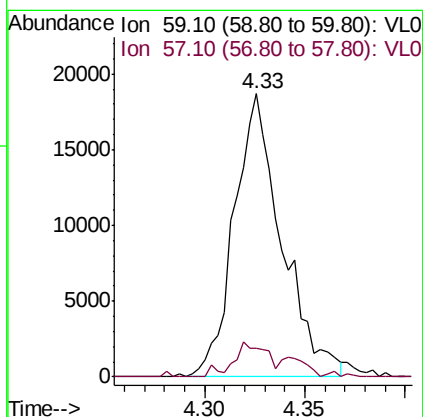
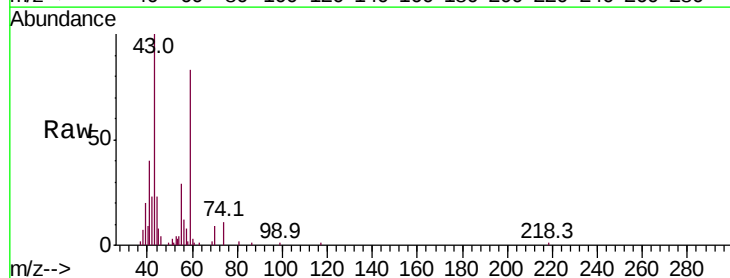
Acq: 5 Sep 2019 11:32

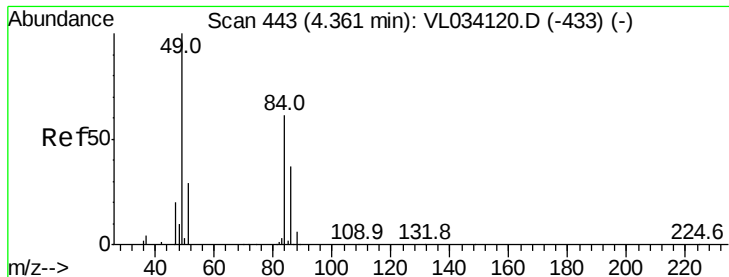
Tgt Ion: 59 Resp: 30969

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





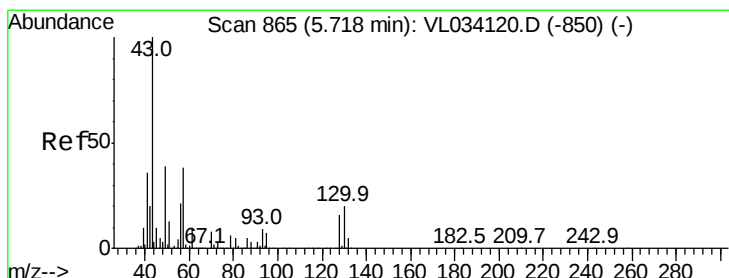
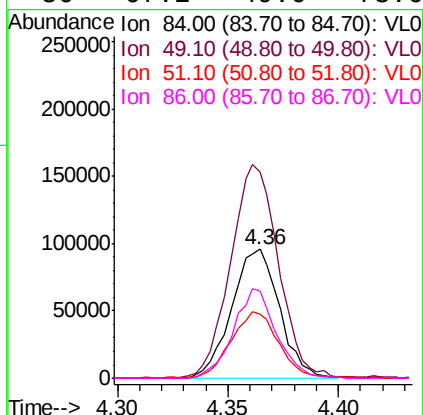
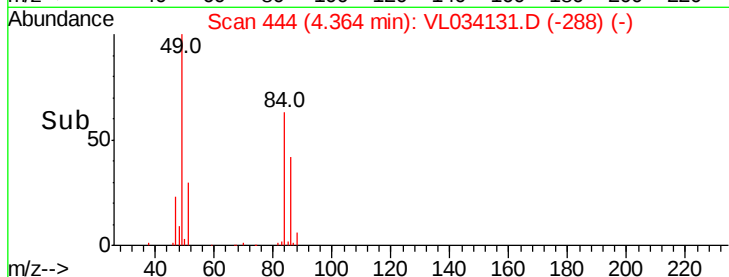
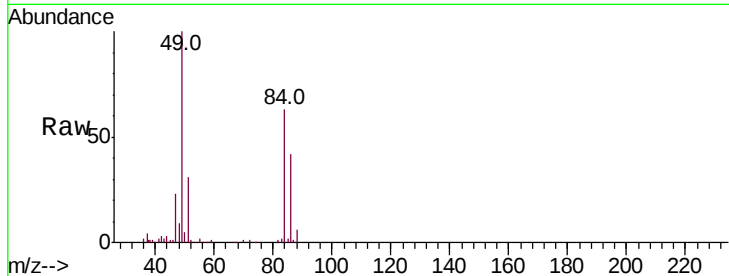
#20
Methvlene Chloride
Concen: 3.980 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Tot Ion:	84	Resp:	142962
Ion	Ratio	Lower	Upper
84	100		
49	158.9	131.0	196.6
51	48.8	38.1	57.1
86	67.2	49.0	73.6

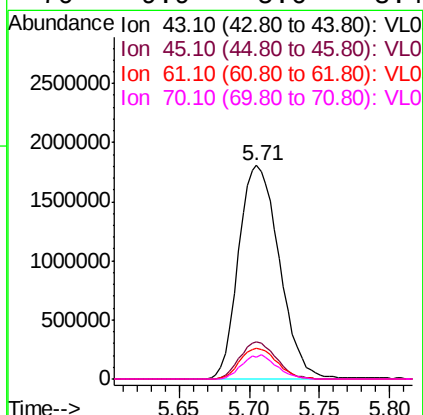
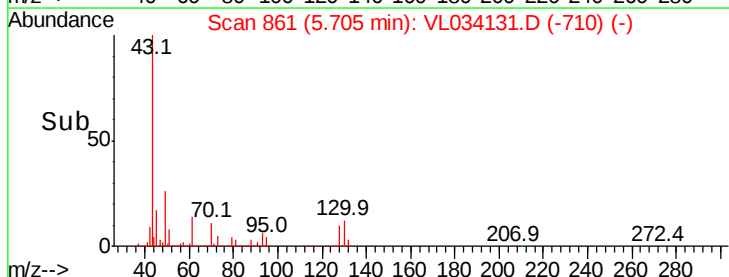
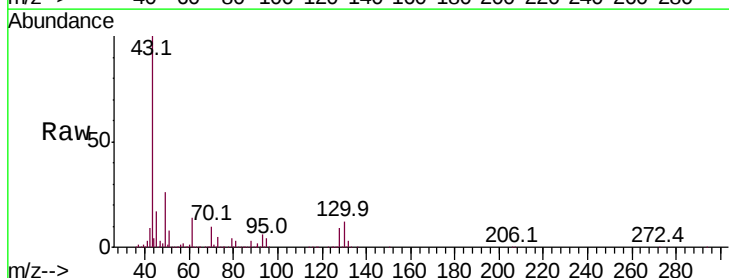
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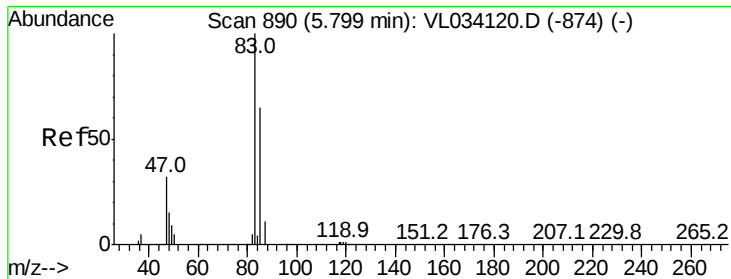
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#25
Ethyl Acetate
Concen: 15.296 ppbv
RT: 5.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Tgt Ion:	43	Resp:	3647846
Ion	Ratio	Lower	Upper
43	100		
45	15.9	8.2	12.4#
61	13.2	7.4	11.2#
70	9.9	5.6	8.4#





#29

Chloroform

Concen: 0.654 ppbv

RT: 5.80 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 83 Resp: 93536

Ion Ratio Lower Upper

83 100

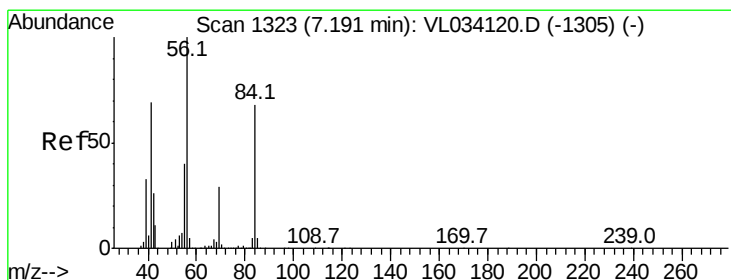
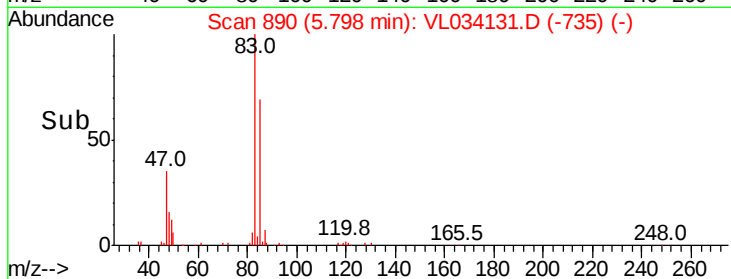
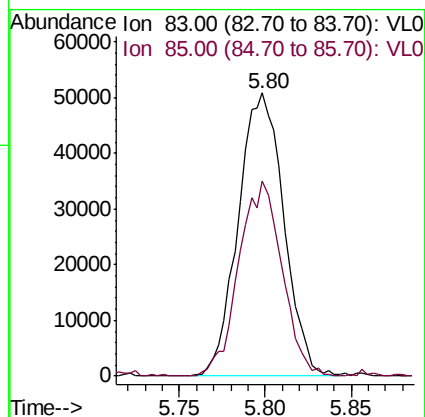
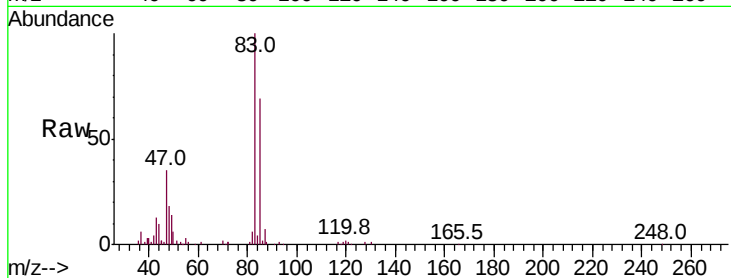
85 68.9 51.8 77.6

Manual Integrations

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#30

Cyclohexane

Concen: 0.205 ppbv m

RT: 7.18 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

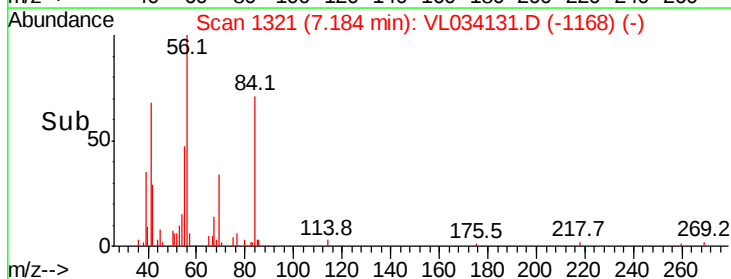
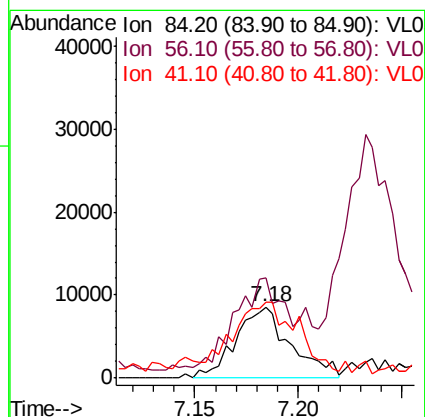
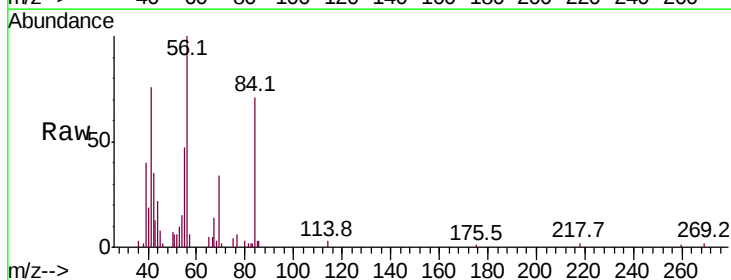
Tgt Ion: 84 Resp: 15744

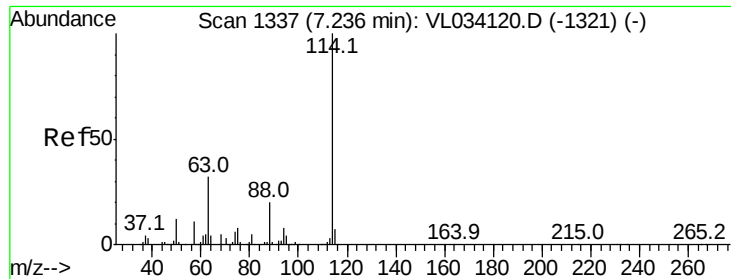
Ion Ratio Lower Upper

84 100

56 0.0 122.6 183.8#

41 0.0 79.1 118.7#





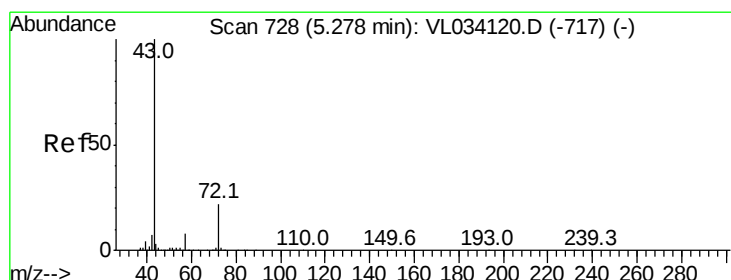
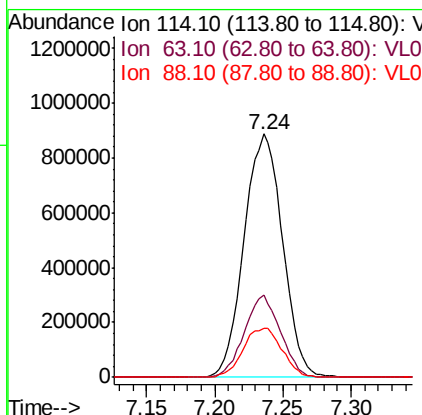
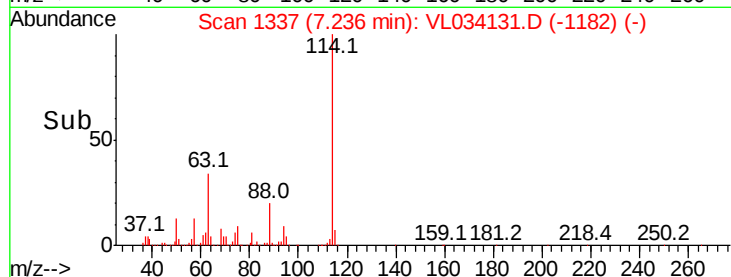
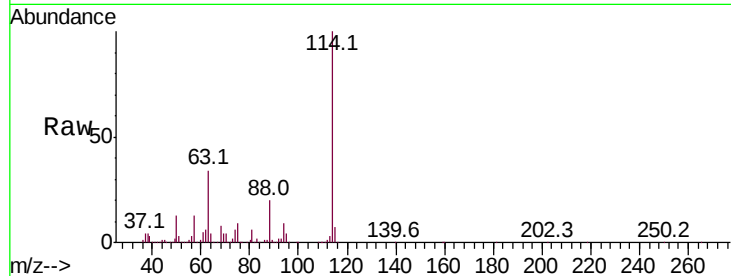
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.7	25.5	38.3
88	20.4	16.8	25.2

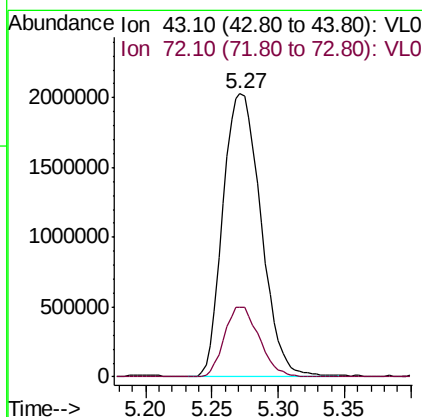
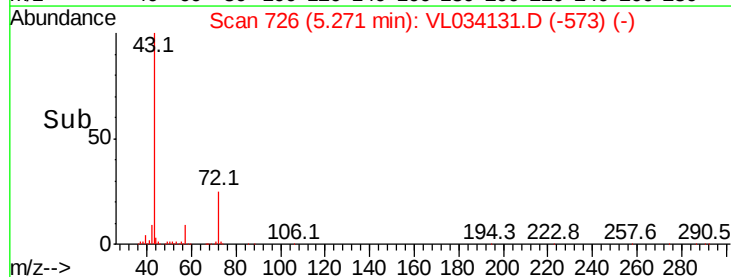
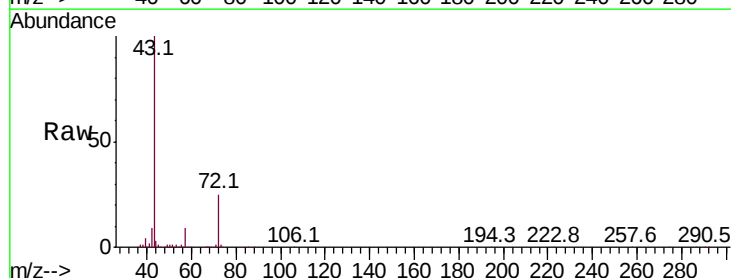
Manual Integrations
 APPROVED

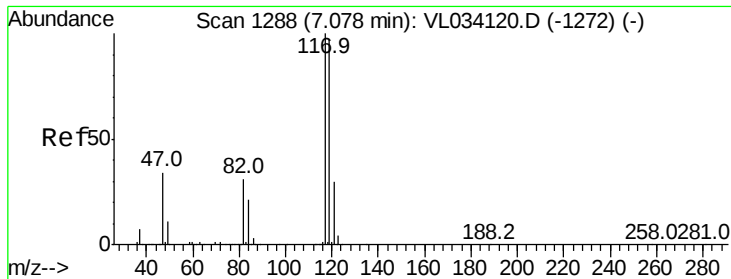
MMDadoda
 9/12/2019 5:15:08 AM



#34
 2-Butanone
 Concen: 24.272 ppbv
 RT: 5.27 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	16.5	24.7





#35

Carbon Tetrachloride

Concen: 0.078 ppbv m

RT: 7.07 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

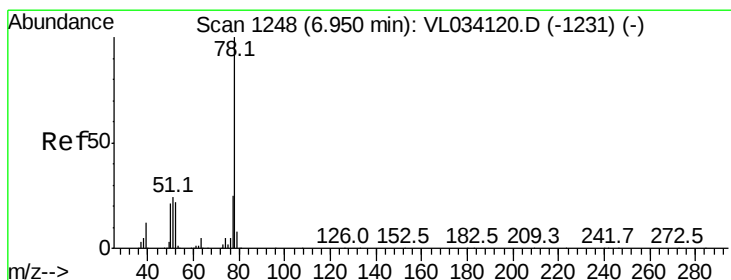
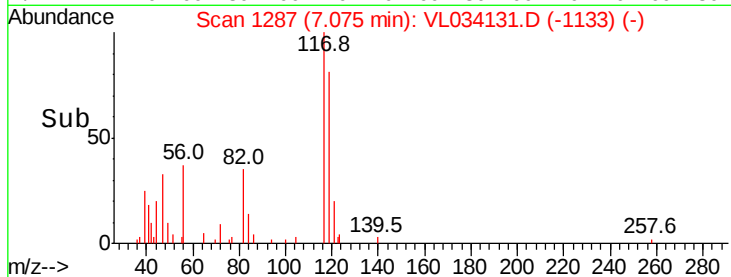
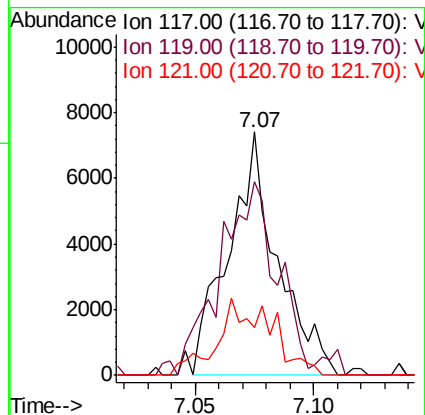
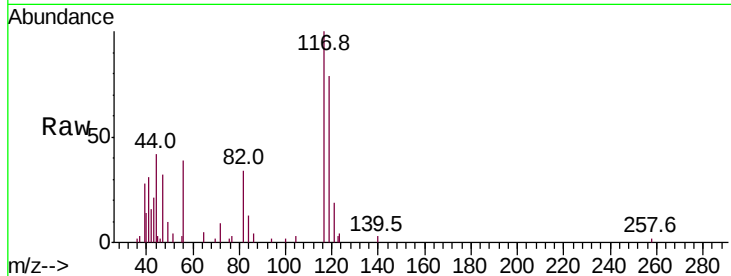
ClientSampled :

AMBIENT

Tot Ion	Ratio	Lower	Upper
117	100		
119	79.4	77.2	115.8
121	19.5	24.2	36.4#

Manual Integrations
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#36

Benzene

Concen: 0.314 ppbv

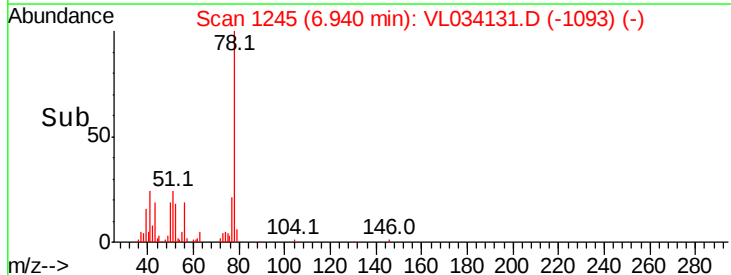
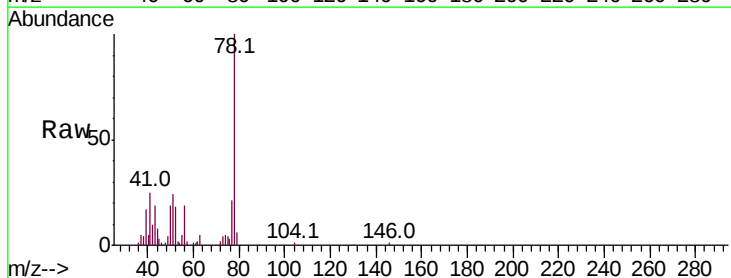
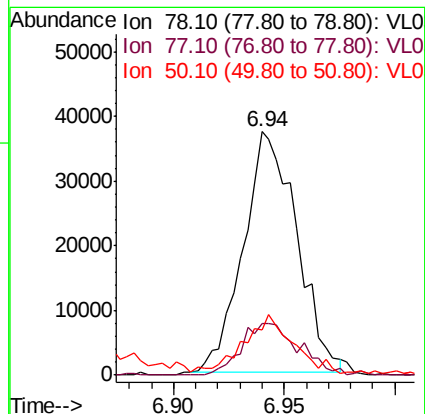
RT: 6.94 min Scan# 1245

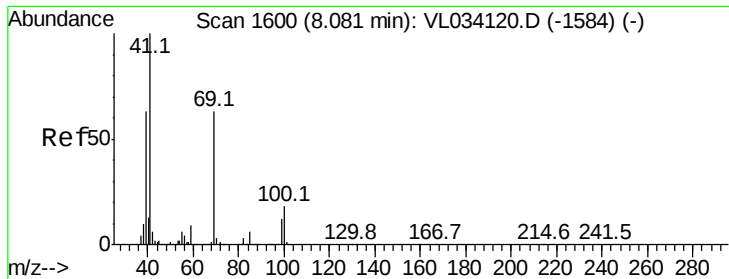
Delta R.T. -0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	20.3	30.5
50	18.4	16.9	25.3





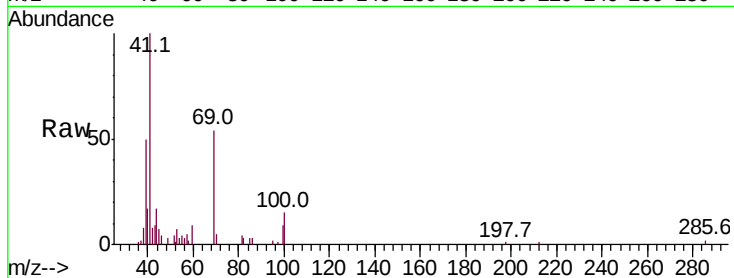
#43
Methvl Methacrylate
Concen: 0.198 ppbv m
RT: 8.08 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Tot Ion	Ratio	Lower	Upper
69	100		
41	170.4	131.0	196.6
100	23.9	22.6	33.8

Manual Integrations
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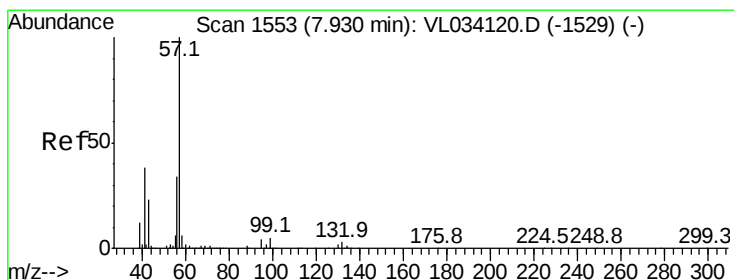
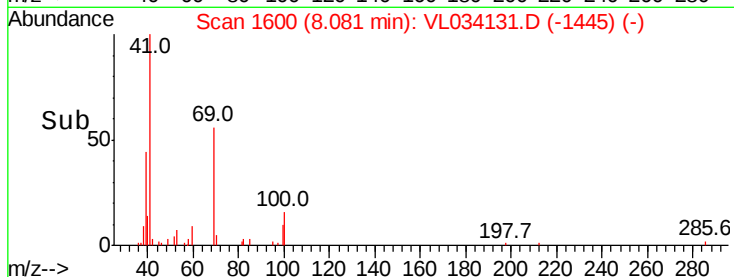
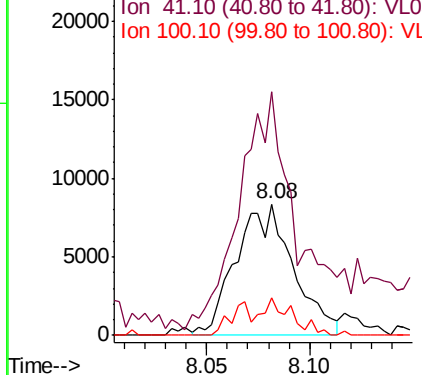


Abundance

Ion 69.10 (68.80 to 69.80): VL0

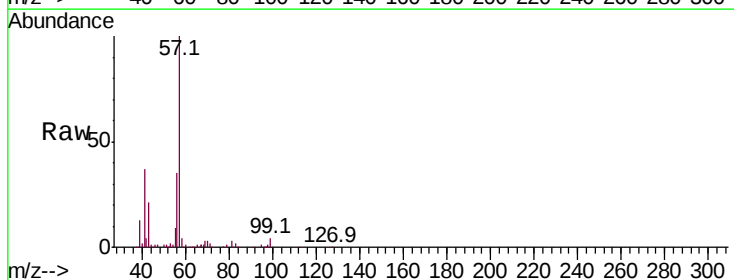
Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44
2,2,4-Trimethylpentane
Concen: 0.609 ppbv m
RT: 7.92 min Scan# 1551
Delta R.T. -0.01 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.8	28.4	42.6
56	35.2	26.3	39.5

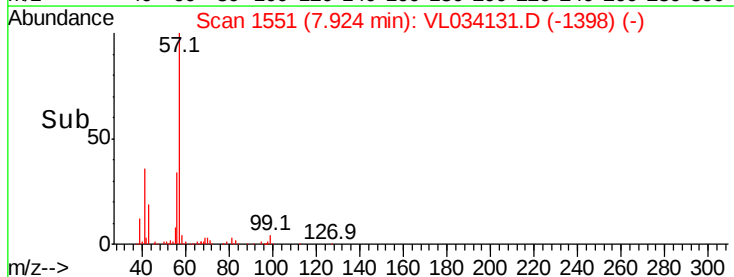
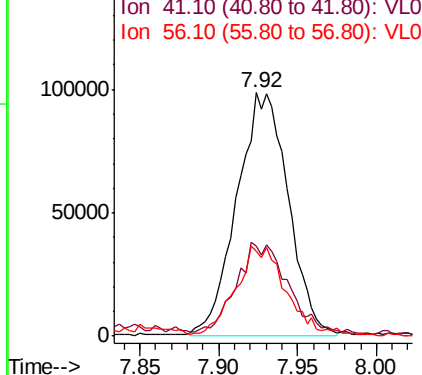


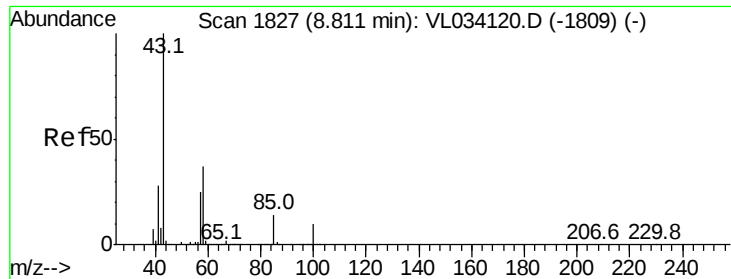
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





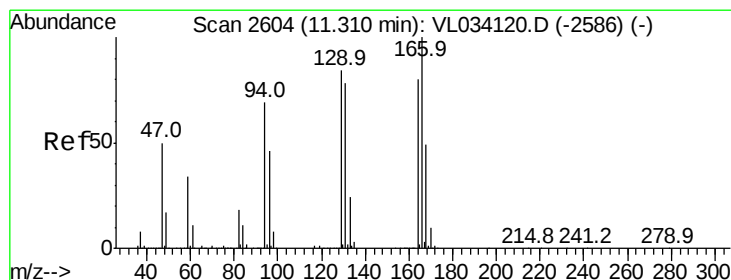
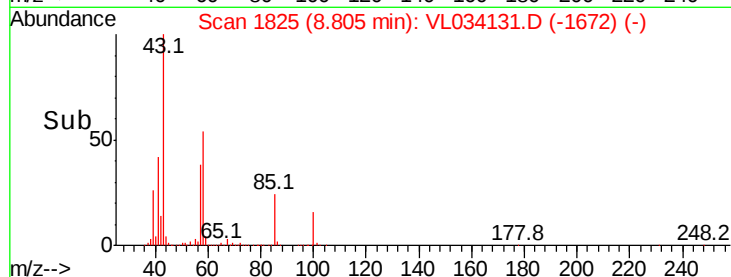
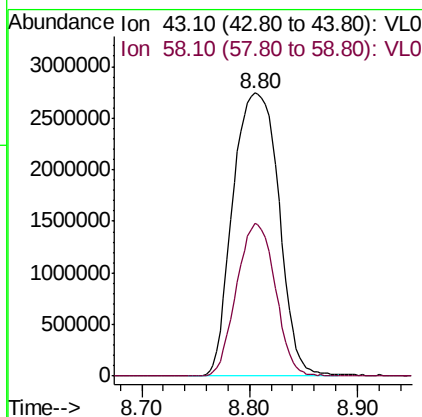
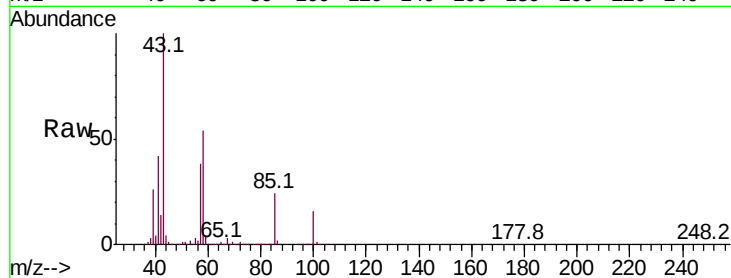
#50
4-Methyl-2-Pentanone
Concen: 31.929 ppbv
RT: 8.80 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Tot Ion: 43 Resp: 8140873
Ion Ratio Lower Upper
43 100
58 45.6 28.5 42.7#

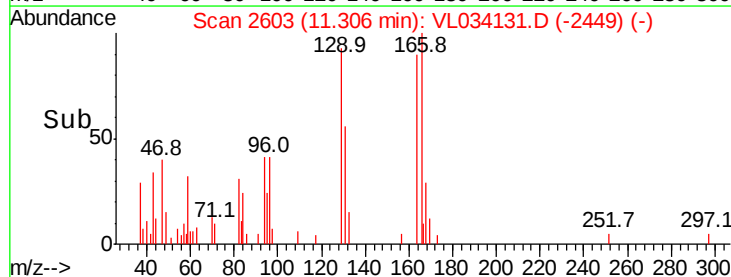
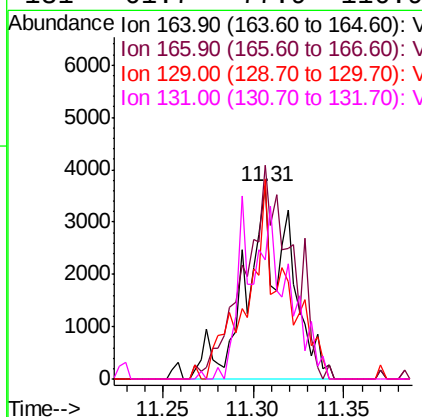
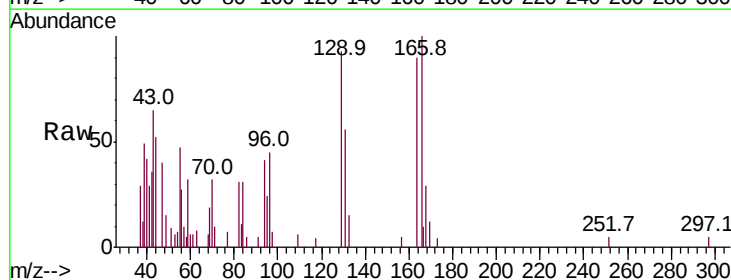
Manual Integrations
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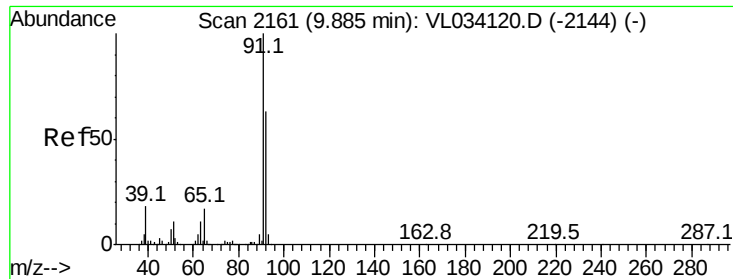
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#52
Tetrachloroethene
Concen: 0.087 ppbv m
RT: 11.31 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Tgt Ion: 164 Resp: 6073
Ion Ratio Lower Upper
164 100
166 110.8 99.5 149.3
129 103.5 83.6 125.4
131 61.7 77.9 116.9#





#53

Toluene

Concen: 8.063 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 91 Resp: 1771587

Ion Ratio Lower Upper

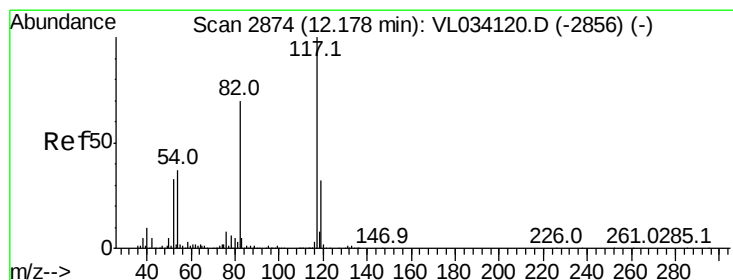
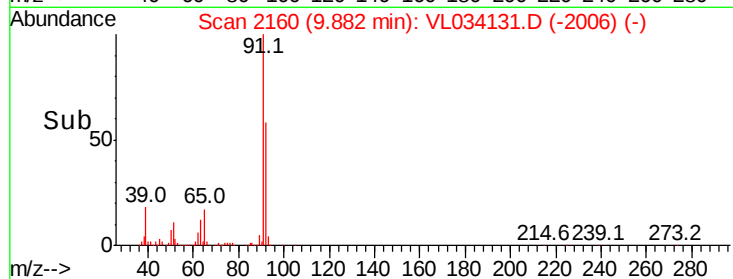
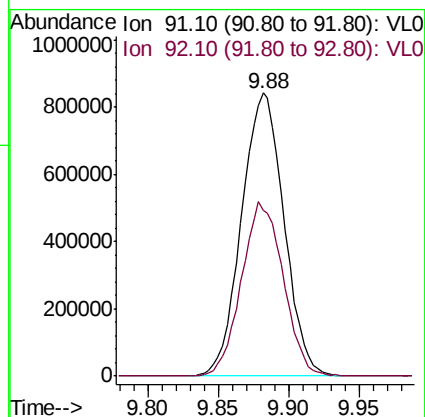
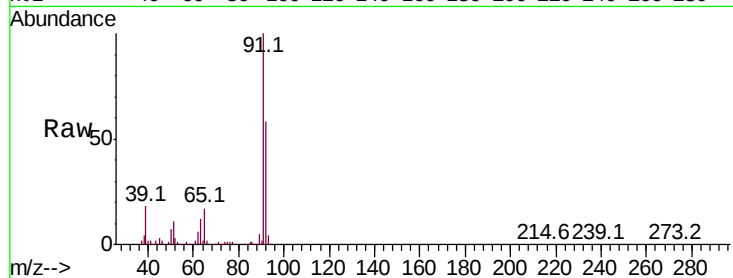
91 100

92 60.6 49.3 73.9

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

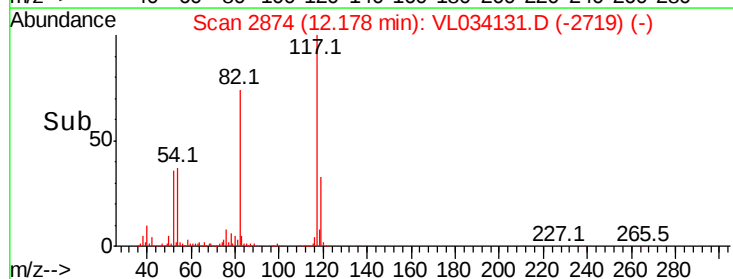
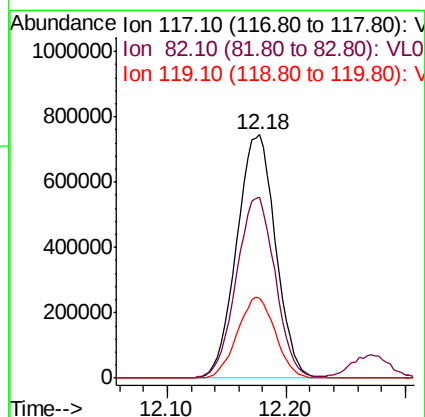
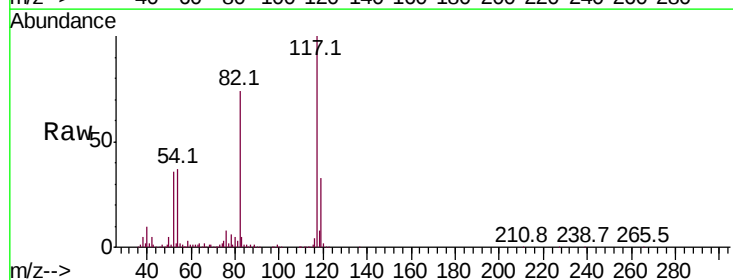
Tgt Ion: 117 Resp: 1683683

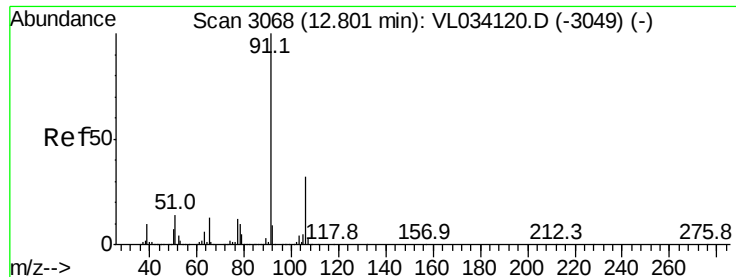
Ion Ratio Lower Upper

117 100

82 74.2 55.8 83.6

119 32.5 43.1 64.7#





#58

Ethyl Benzene

Concen: 2.933 ppbv

RT: 12.80 min Scan# 3067

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion: 91 Resp: 809851

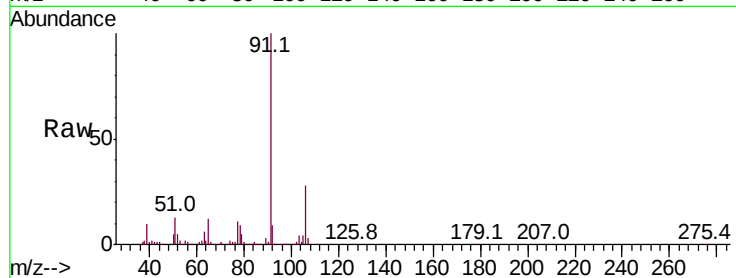
Ion Ratio Lower Upper

91 100

106 27.8 25.3 37.9

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.80

400000

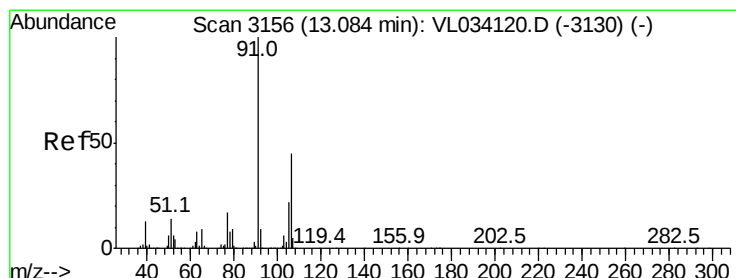
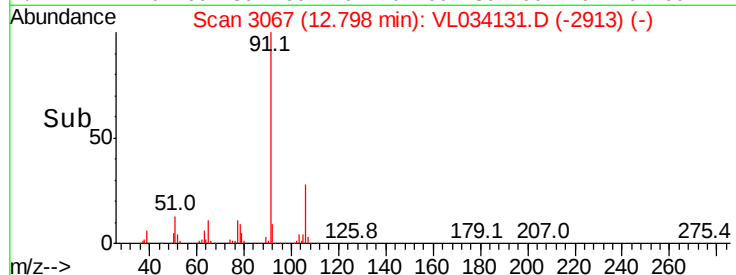
300000

200000

100000

0

Time--> 12.70 12.75 12.80 12.85



#59

m/p-Xylene

Concen: 7.155 ppbv m

RT: 13.06 min Scan# 3147

Delta R.T. -0.03 min

Lab File: VL034131.D

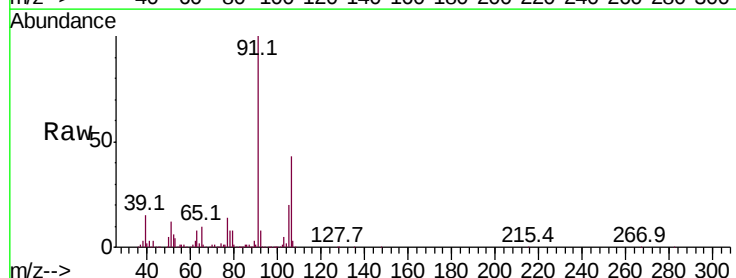
Acq: 5 Sep 2019 11:32

Tgt Ion: 91 Resp: 1611347

Ion Ratio Lower Upper

91 100

106 45.1 35.4 53.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.06

600000

500000

400000

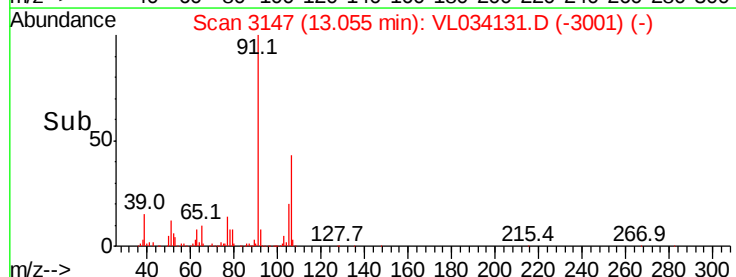
300000

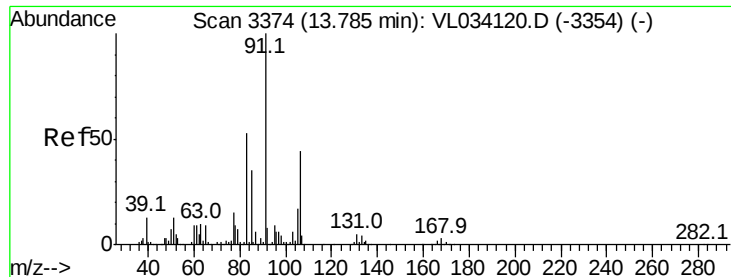
200000

100000

0

Time--> 13.00 13.10





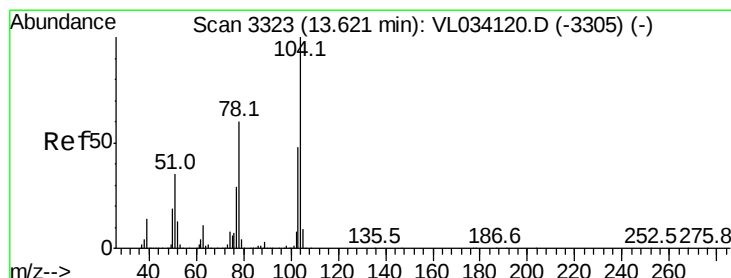
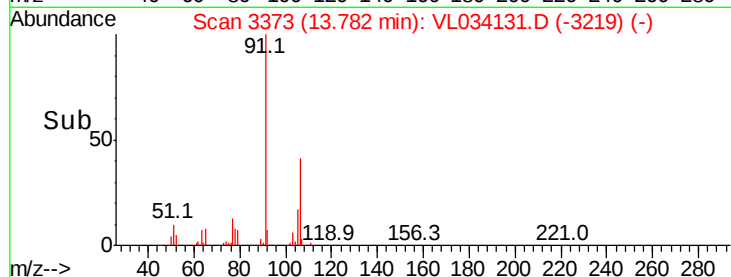
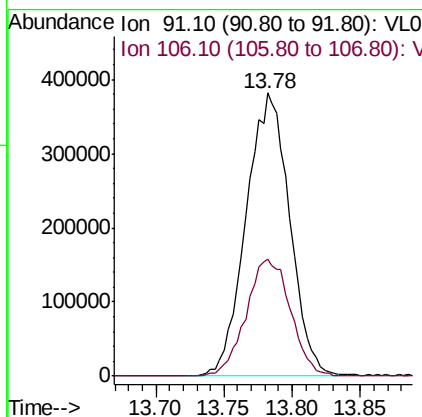
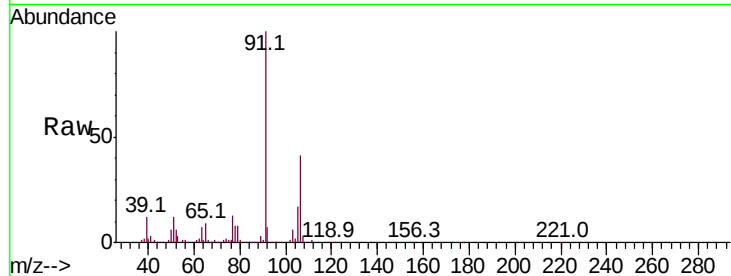
#60
o-Xylene
Concen: 3.758 ppbv
RT: 13.78 min Scan# 3373
Delta R.T. -0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT

Tot Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.4	64.3

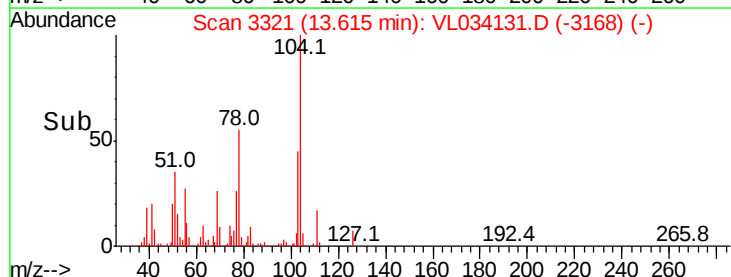
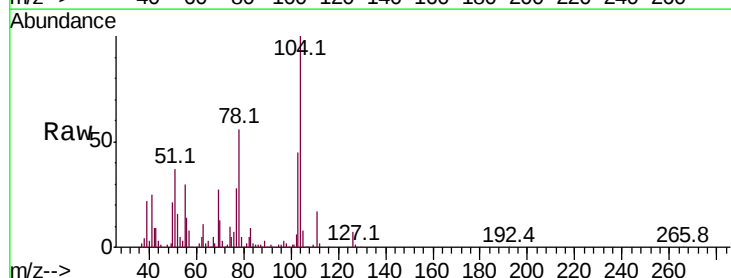
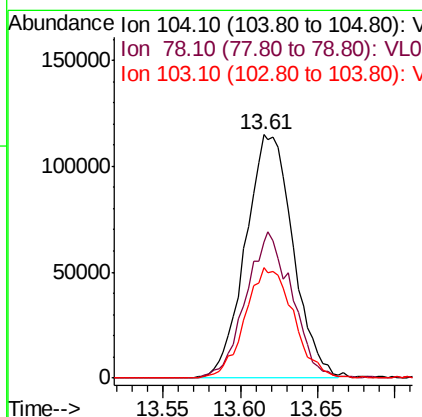
Manual Integrations
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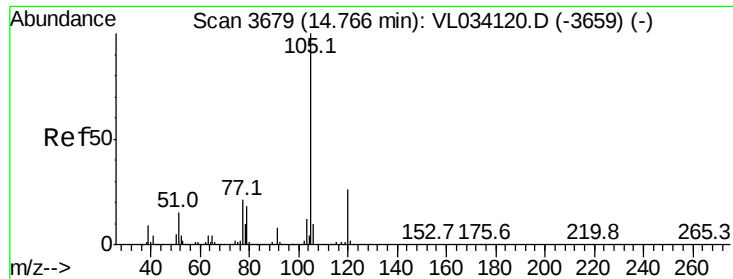
MMDadoda
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#61
Styrene
Concen: 1.465 ppbv
RT: 13.61 min Scan# 3321
Delta R.T. -0.01 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.8	47.8	71.6
103	46.2	38.7	58.1





#62

Isopropylbenzene

Concen: 0.490 ppbv m

RT: 14.76 min Scan# 3677

Delta R.T. -0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion:105 Resp: 143115

Ion Ratio Lower Upper

105 100

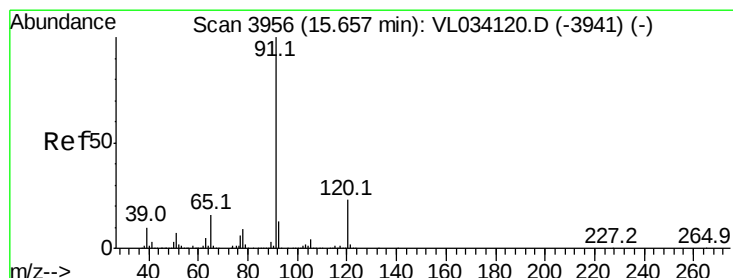
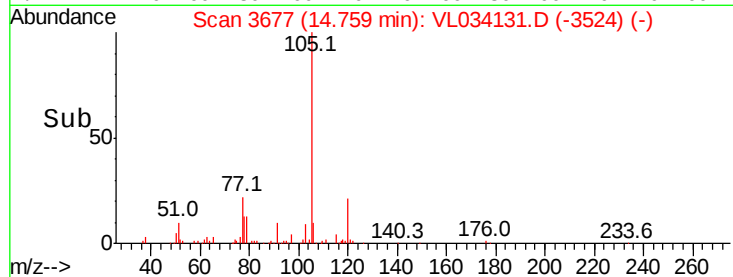
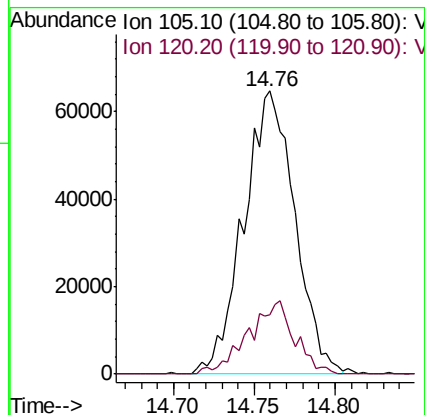
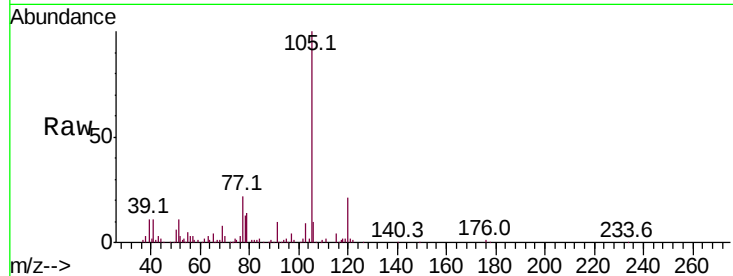
120 23.6 20.6 31.0

Manual Integrations

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#64

n-propylbenzene

Concen: 1.609 ppbv m

RT: 15.65 min Scan# 3955

Delta R.T. -0.00 min

Lab File: VL034131.D

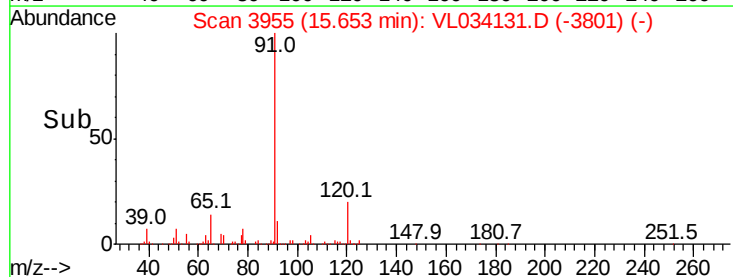
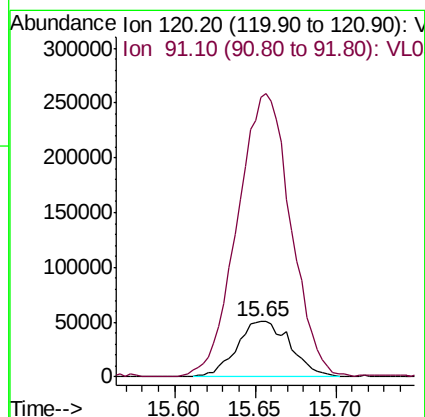
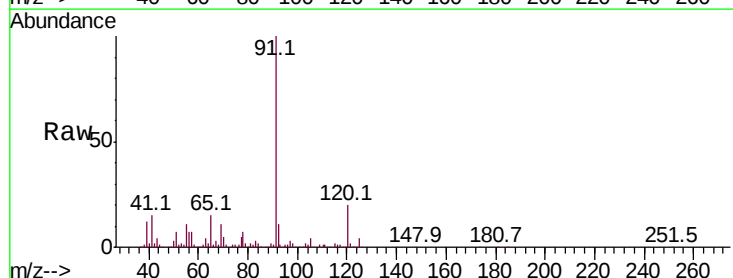
Acq: 5 Sep 2019 11:32

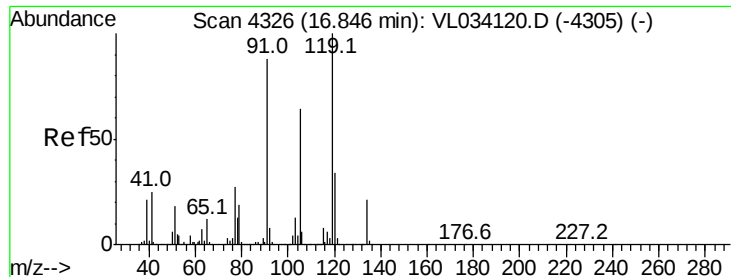
Tgt Ion:120 Resp: 117621

Ion Ratio Lower Upper

120 100

91 507.6 376.8 565.2





#65

tert-Butylbenzene

Concen: 1.280 ppbv

RT: 16.86 min Scan# 4329

Delta R.T. 0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

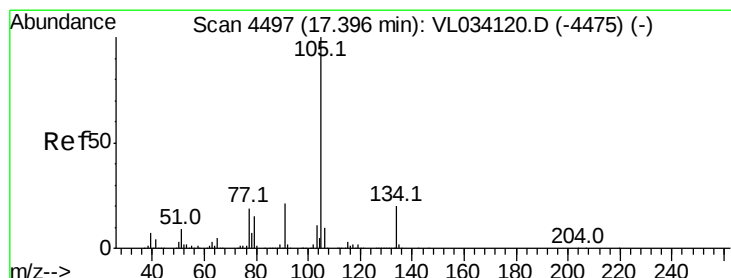
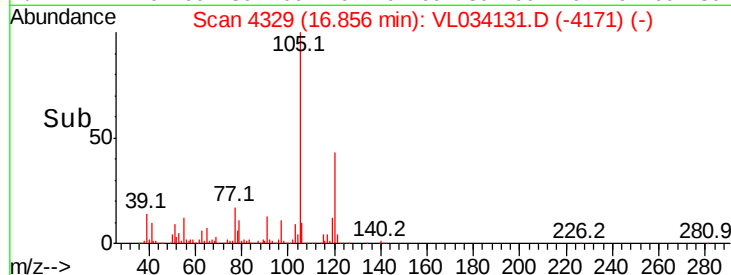
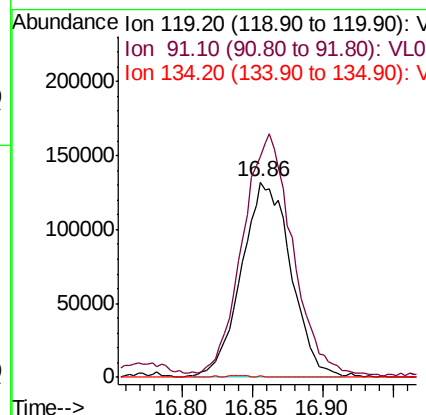
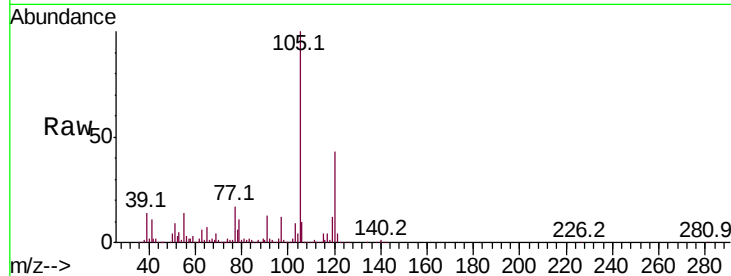
ClientSampleId :

AMBIENT

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322470		
91	126.9	72.8	109.2#	
134	0.7	15.8	23.8#	

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#67

sec-Butylbenzene

Concen: 0.726 ppbv

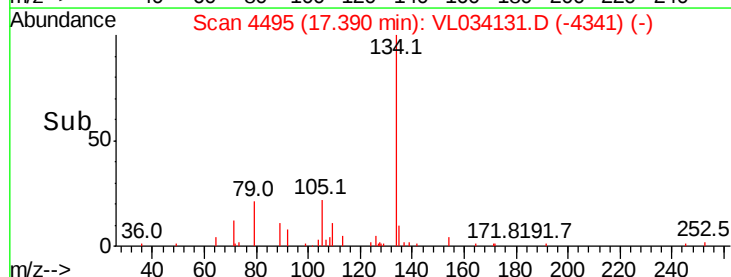
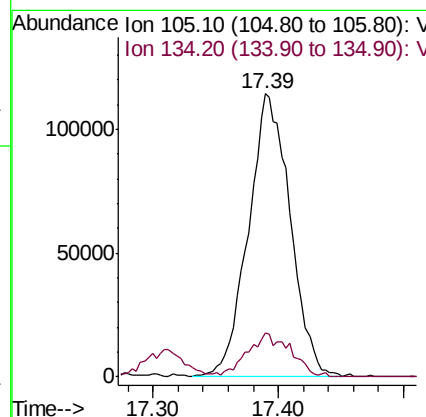
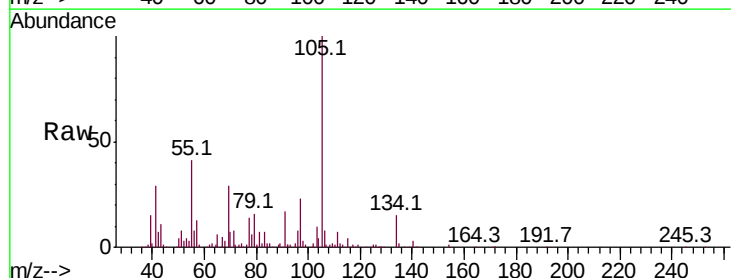
RT: 17.39 min Scan# 4495

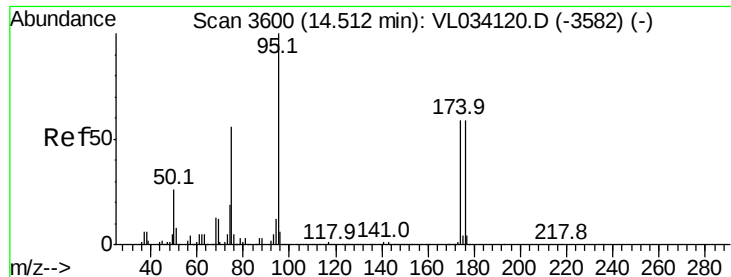
Delta R.T. -0.01 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262827		
134	16.3	15.0	22.4	





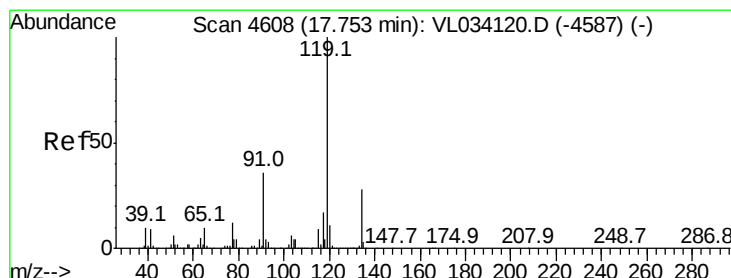
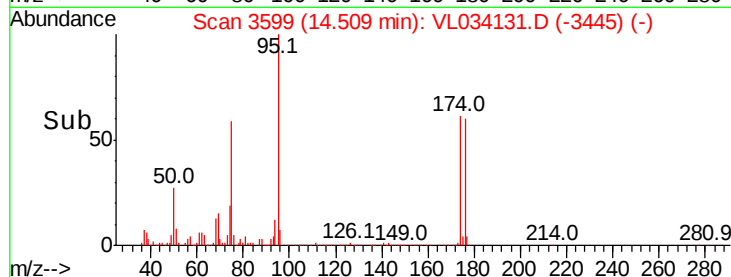
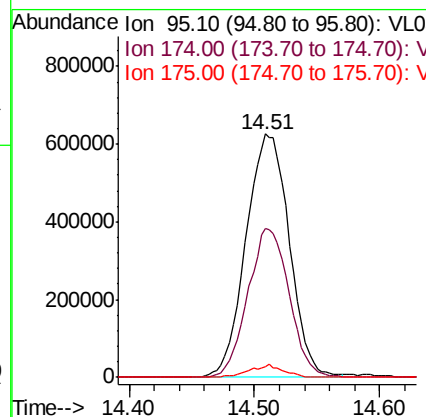
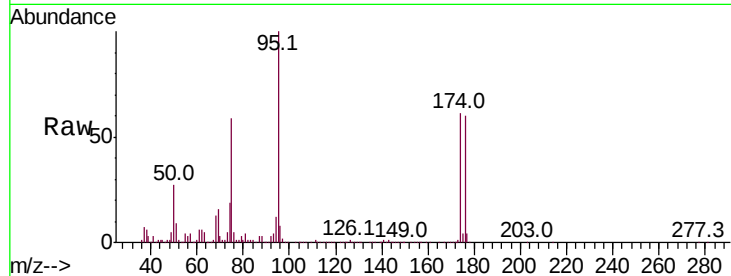
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.886 ppbv
 RT: 14.51 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Tot Ion: 95 Resp: 1498399
 Ion Ratio Lower Upper
 95 100
 174 58.8 48.1 72.1
 175 4.3 3.5 5.3

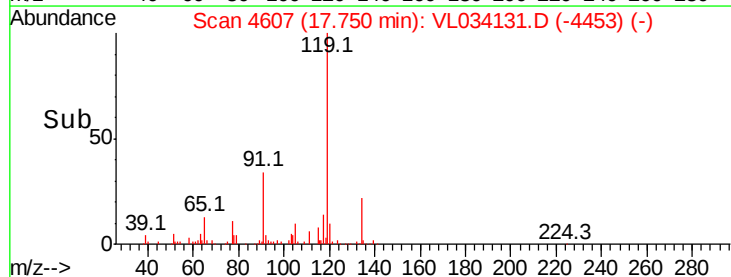
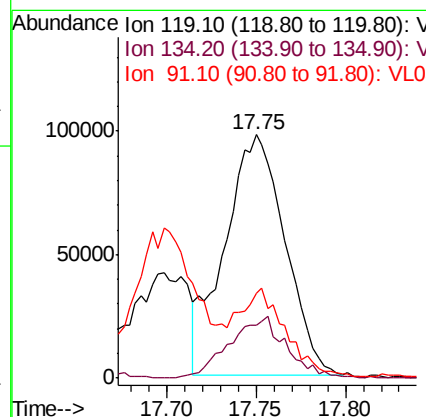
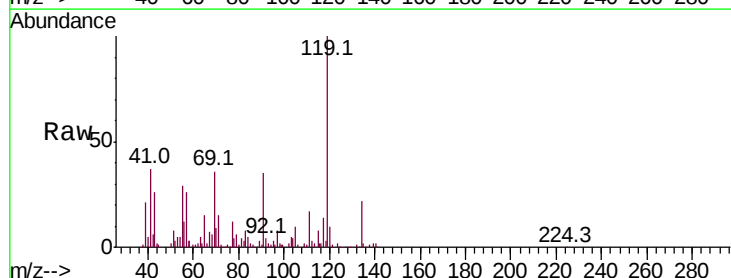
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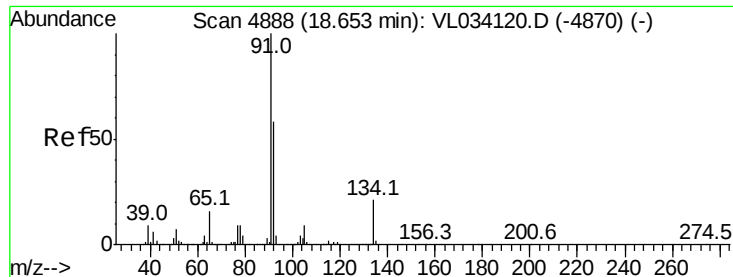
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#69
 p-Isopropyltoluene
 Concen: 0.794 ppbv
 RT: 17.75 min Scan# 4607
 Delta R.T. -0.00 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Tgt Ion: 119 Resp: 229970
 Ion Ratio Lower Upper
 119 100
 134 24.1 20.8 31.2
 91 28.1 27.2 40.8





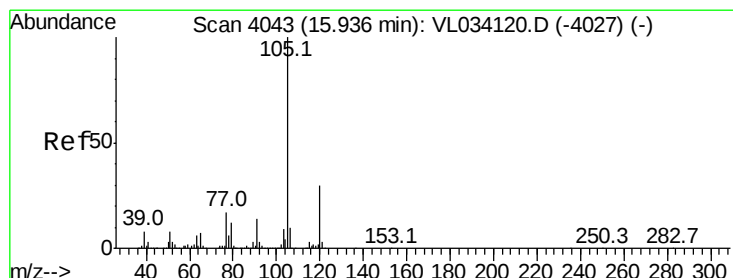
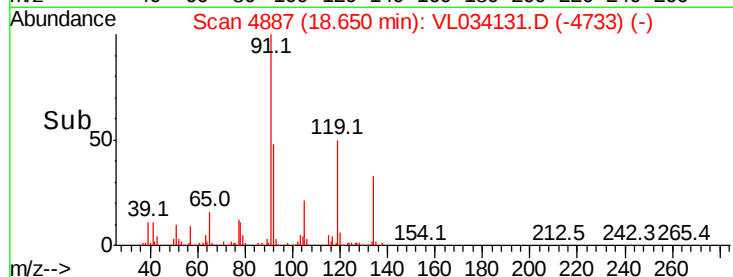
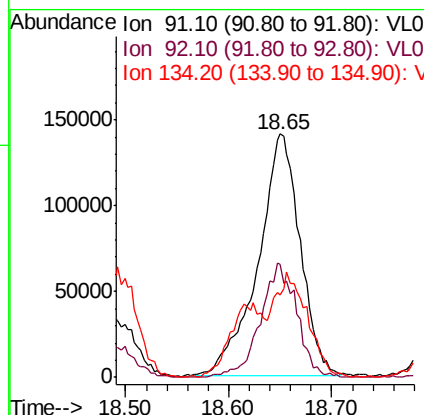
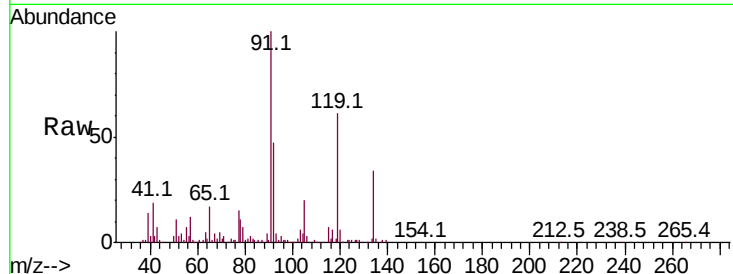
#70
n-Butylbenzene
Concen: 1.208 ppbv
RT: 18.65 min Scan# 4887
Delta R.T. -0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Instrument :
MSVOA_L
ClientSampled :
AMBIENT

Tot Ion	Ratio	Resp	Lower	Upper
91	100	398185		
92	40.8	45.3	67.9#	
134	59.1	17.4	26.0#	

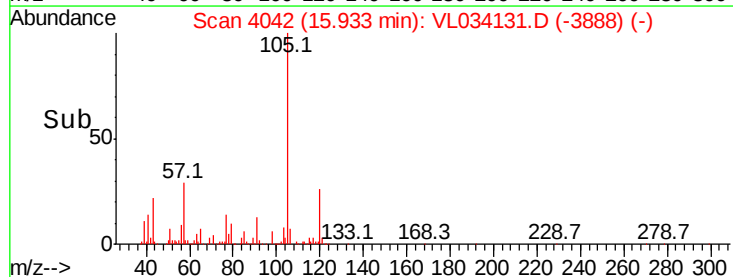
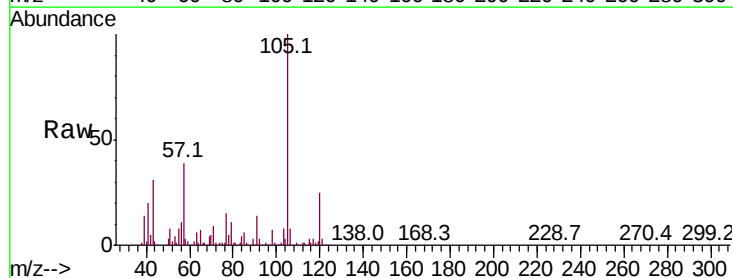
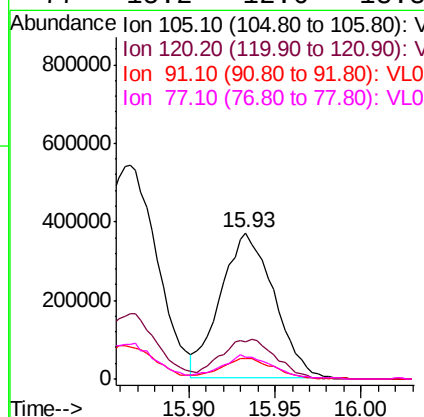
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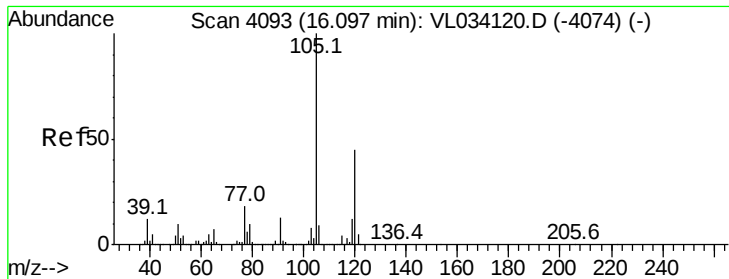
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#72
4-Ethyltoluene
Concen: 3.180 ppbv
RT: 15.93 min Scan# 4042
Delta R.T. -0.00 min
Lab File: VL034131.D
Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	804878		
120	29.3	23.8	35.6	
91	14.7	11.4	17.0	
77	15.2	12.6	18.8	





#73

1,3,5-Trimethylbenzene

Concen: 3.039 ppbv

RT: 16.09 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT

Tot Ion:105 Resp: 747585

Ion Ratio Lower Upper

105 100

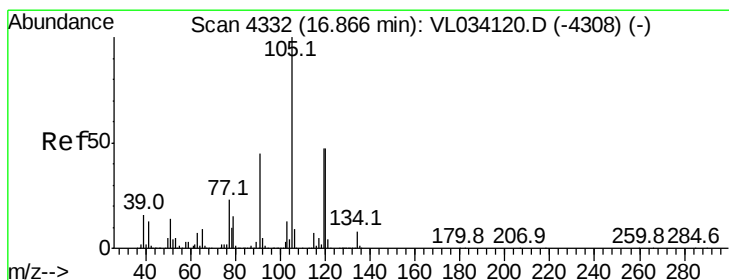
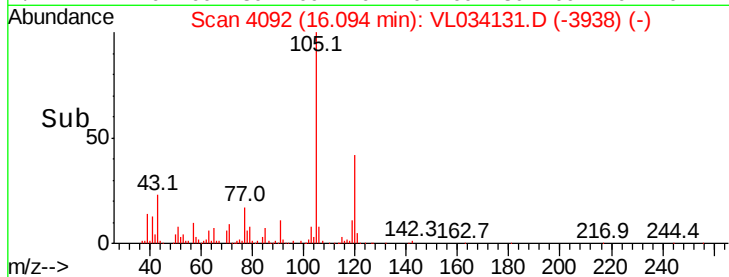
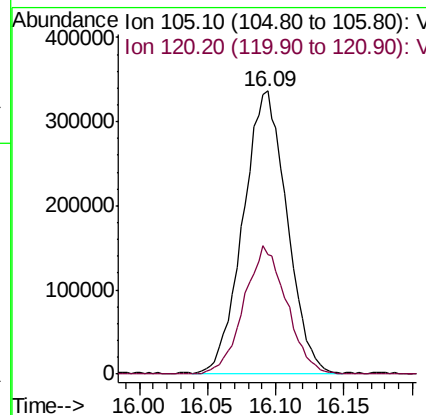
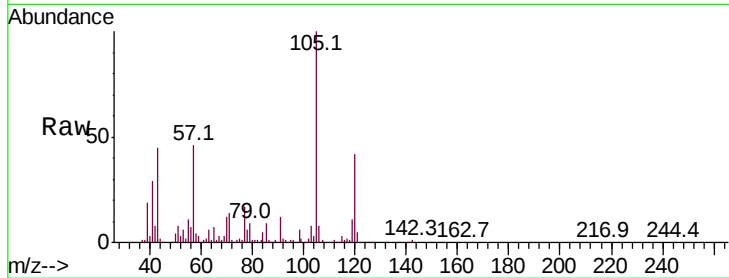
120 42.2 35.8 53.8

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#74

1,2,4-Trimethylbenzene

Concen: 11.487 ppbv

RT: 16.86 min Scan# 4331

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Tgt Ion:105 Resp: 2909668

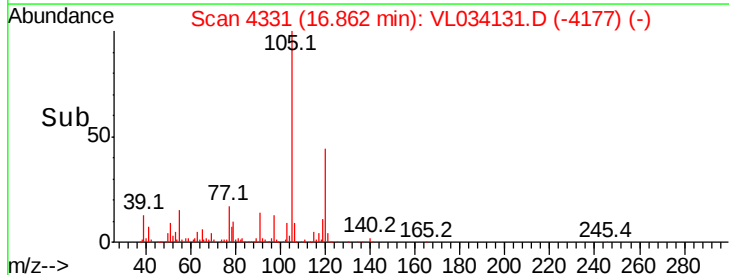
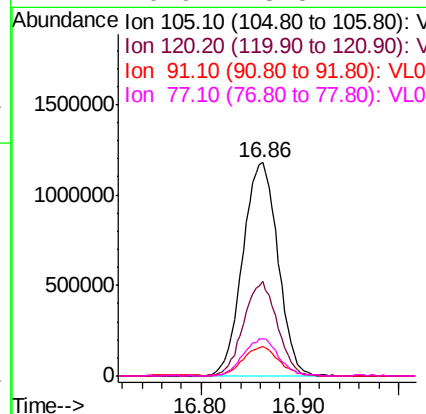
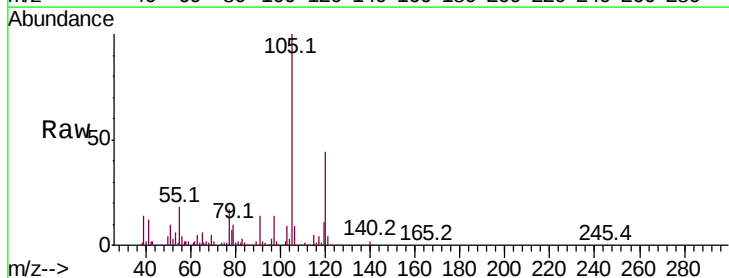
Ion Ratio Lower Upper

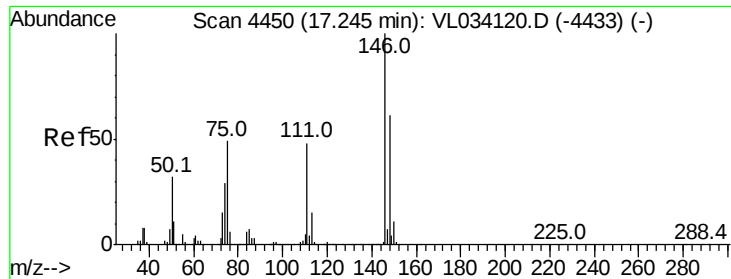
105 100

120 44.4 37.7 56.5

91 13.9 36.2 54.2#

77 16.9 18.5 27.7#





#76

1,4-Dichlorobenzene

Concen: 0.121 ppbv m

RT: 17.24 min Scan# 4450

Delta R.T. -0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Instrument :

MSVOA_L

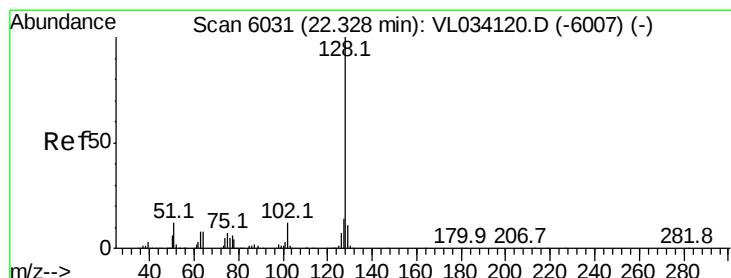
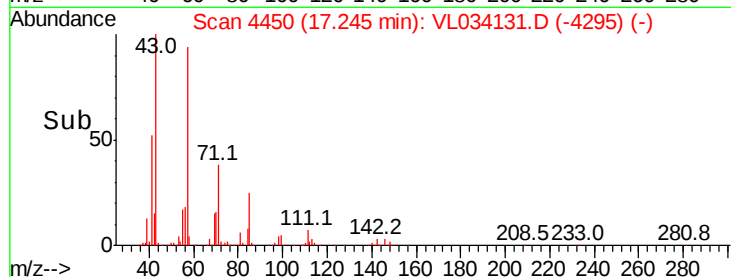
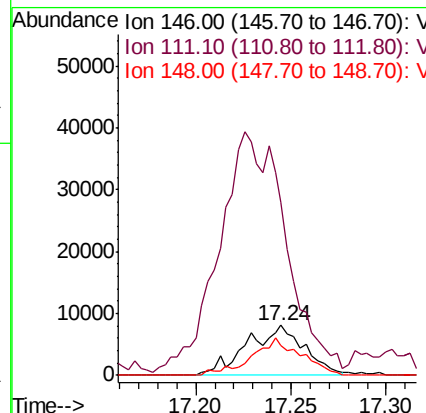
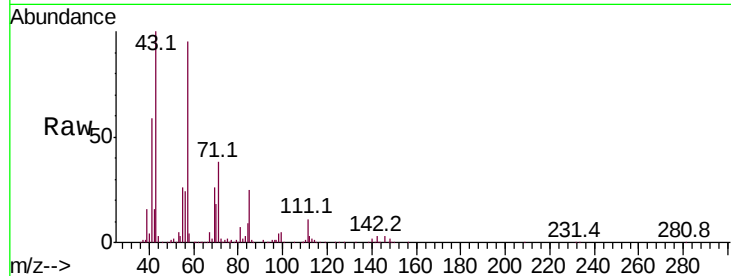
ClientSampleId :

AMBIENT

Tot Ion	Ratio	Lower	Upper
146	100		
111	568.0	24.3	72.8#
148	0.0	32.6	98.0#

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#79

Naphthalene

Concen: 0.209 ppbv m

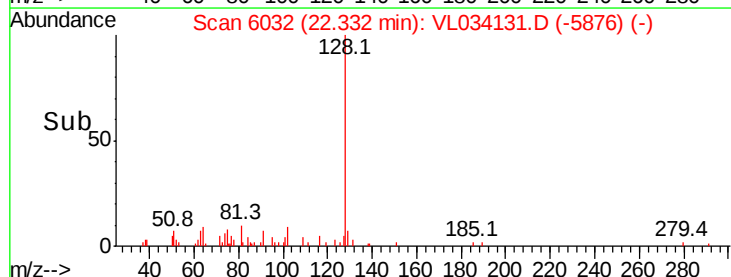
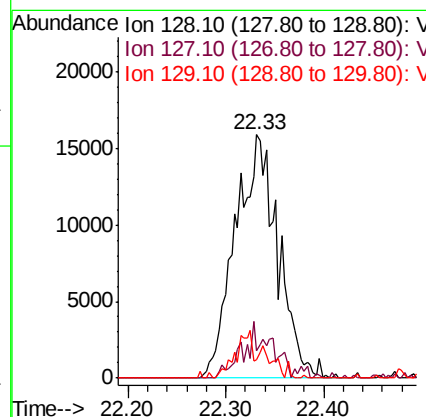
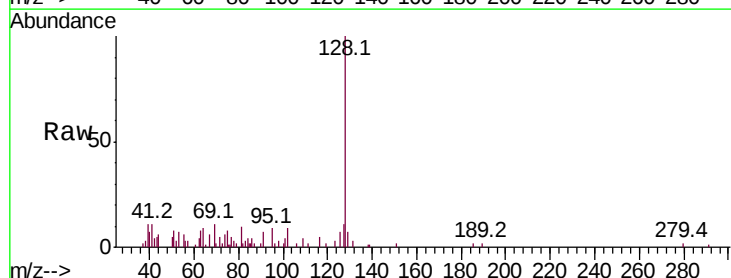
RT: 22.33 min Scan# 6032

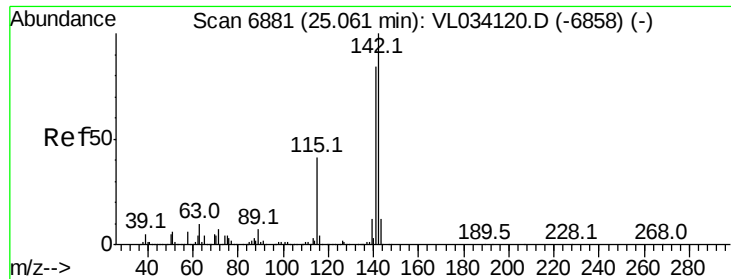
Delta R.T. 0.00 min

Lab File: VL034131.D

Acq: 5 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.9	16.3
129	7.3	8.5	12.7#





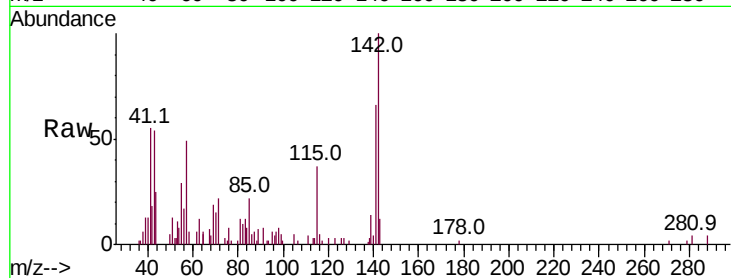
#80
 Naphthalene, 2-methyl-
 Concen: 0.264 ppbv
 RT: 25.06 min Scan# 6881
 Delta R.T. -0.00 min
 Lab File: VL034131.D
 Acq: 5 Sep 2019 11:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Tot Ion	Ratio	Lower	Upper
142	100		
141	79.2	67.6	101.4
115	45.5	34.6	52.0

Manual Integrations
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Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

