

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034132.D
 Acq On : 5 Sep 2019 12:13
 Operator : SY/AP
 Sample : K4612-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:50 AM

Quant Time: Sep 06 04:33:16 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 04:33:16 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	911253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1788713	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1738467	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1509713	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	80069	0.533	ppbv	89
3) Chlorodifluoromethane	2.98	51	65983	0.650	ppbv	99
4) Chloromethane	3.14	50	26339	0.415	ppbv	97
9) Propene	3.01	41	96036m	1.690	ppbv	
10) Heptane	8.18	43	154790	1.049	ppbv	95
11) Trichlorofluoromethane	3.96	101	32470	0.265	ppbv	88
13) Ethanol	3.62	45	1733467	155.698	ppbv	99
15) Acetone	3.85	43	3136234m	28.557	ppbv	
17) tert-Butyl alcohol	4.33	59	31599m	0.396	ppbv	
20) Methylene Chloride	4.36	84	151302	4.167	ppbv	99
25) Ethyl Acetate	5.71	43	3546978	14.713	ppbv #	89
29) Chloroform	5.80	83	89304	0.618	ppbv #	81
30) Cyclohexane	7.19	84	14280m	0.184	ppbv	
34) 2-Butanone	5.27	43	3910842	22.742	ppbv	95
35) Carbon Tetrachloride	7.07	117	10380m	0.074	ppbv	
36) Benzene	6.95	78	64093	0.313	ppbv #	91
43) Methyl Methacrylate	8.07	69	14689m	0.174	ppbv	
44) 2,2,4-Trimethylpentane	7.93	57	217769	0.578	ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	8010011	30.525	ppbv #	83
52) Tetrachloroethene	11.31	164	5154m	0.071	ppbv	
53) Toluene	9.88	91	1739282	7.692	ppbv	98
58) Ethyl Benzene	12.80	91	807191	2.832	ppbv	92
59) m/p-Xylene	13.05	91	1577996	6.786	ppbv	100
60) o-Xylene	13.79	91	839459	3.624	ppbv	96
61) Styrene	13.62	104	244970	1.414	ppbv	97
62) Isopropylbenzene	14.76	105	138008	0.458	ppbv	98
64) n-propylbenzene	15.66	120	116021m	1.537	ppbv	
65) tert-Butylbenzene	16.86	119	323319	1.243	ppbv #	65
67) sec-Butylbenzene	17.39	105	255731	0.684	ppbv	96
69) p-Isopropyltoluene	17.75	119	224031	0.749	ppbv	95
70) n-Butylbenzene	18.65	91	403430m	1.185	ppbv	
72) 4-Ethyltoluene	15.93	105	810666	3.102	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	725294m	2.856	ppbv	
74) 1,2,4-Trimethylbenzene	16.86	105	2870892	10.977	ppbv #	75
76) 1,4-Dichlorobenzene	17.24	146	16404m	0.113	ppbv	
79) Naphthalene	22.32	128	42921m	0.182	ppbv	
80) Naphthalene,2-methyl-	25.06	142	12885	0.157	ppbv	91

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

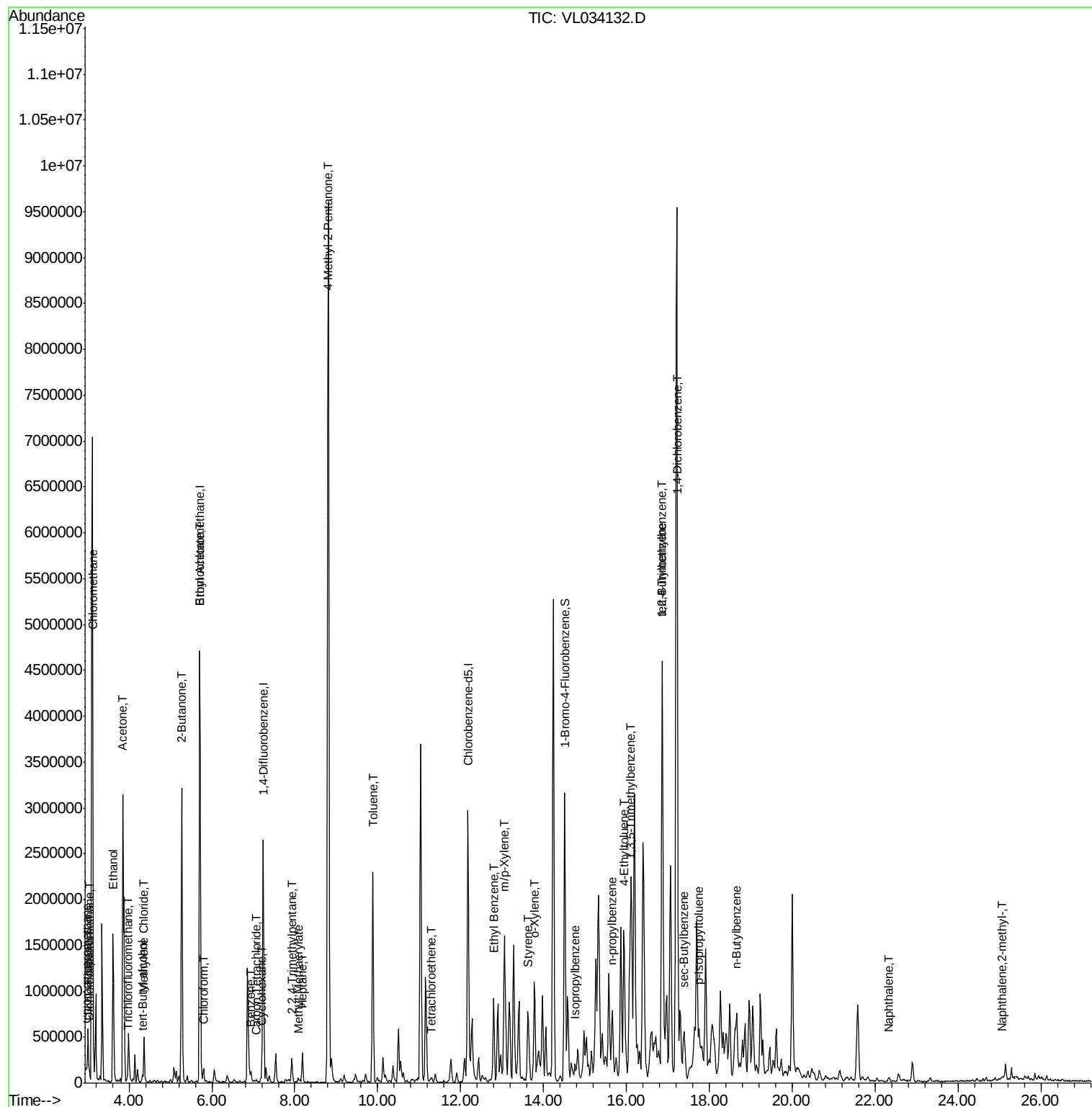
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
Data File : VL034132.D
Acq On : 5 Sep 2019 12:13
Operator : SY/AP
Sample : K4612-01DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

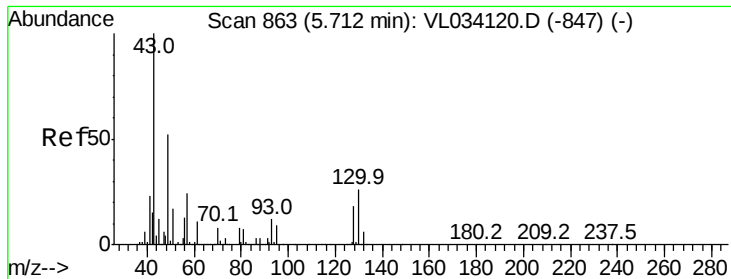
Instrument :
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Quant Time: Sep 06 04:33:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

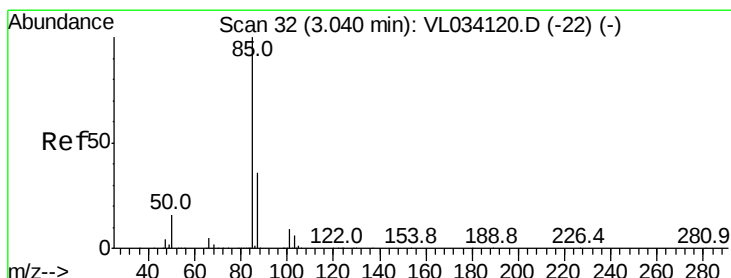
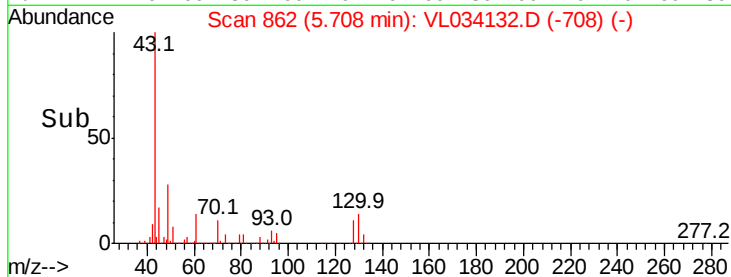
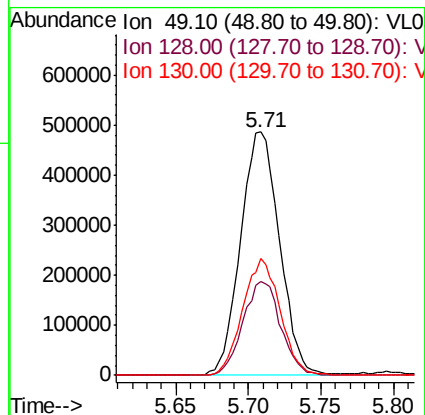
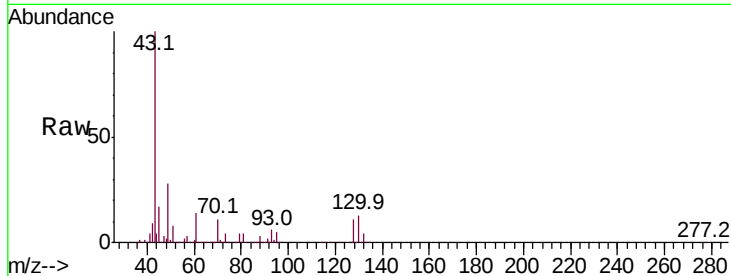
ClientSampleId :

AMBIENTDUP

Tot Ion	Ratio	Lower	Upper
49	100		
128	37.5	18.4	55.0
130	46.1	23.5	70.6

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#2

Dichlorodifluoromethane

Concen: 0.533 ppbv

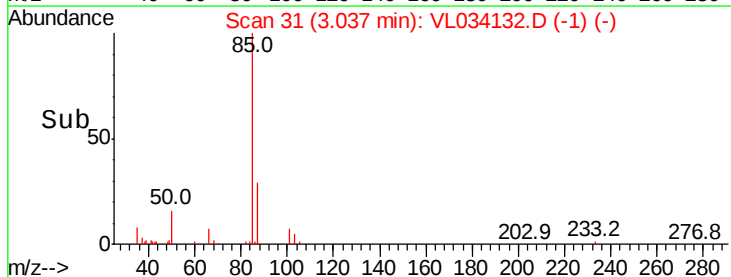
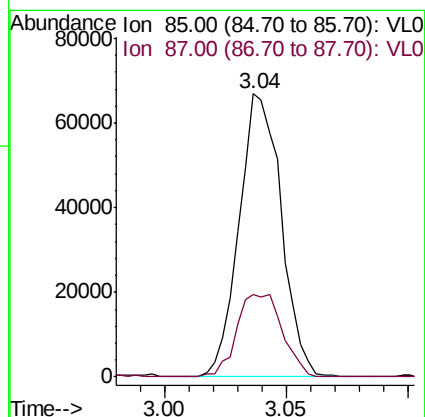
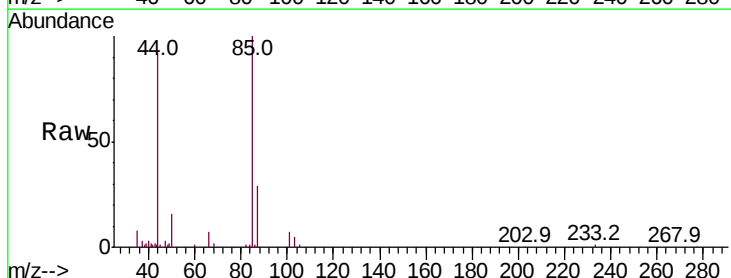
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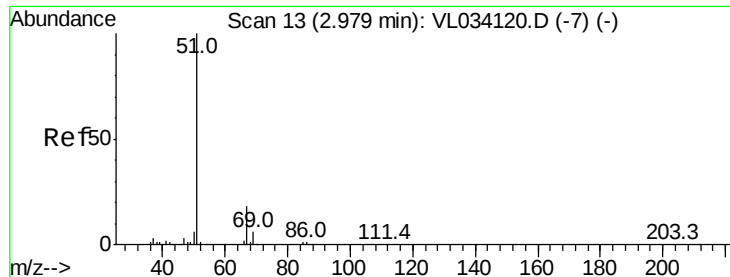
Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.2	28.6	43.0





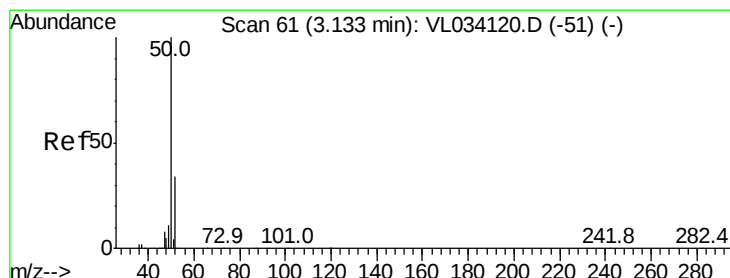
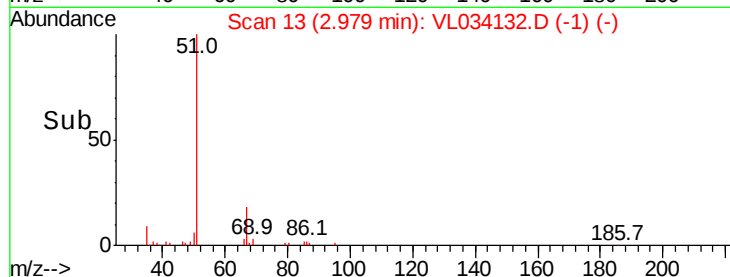
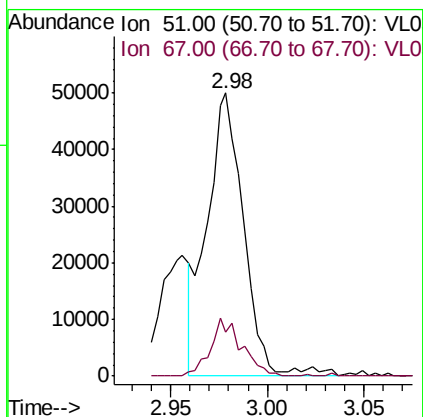
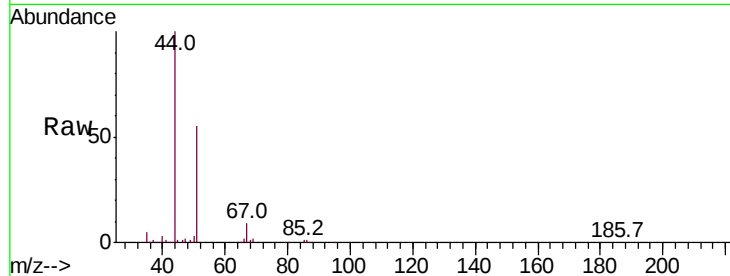
#3
Chlorodifluoromethane
Concen: 0.650 ppbv
RT: 2.98 min Scan# 13
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion: 51 Resp: 65983
Ion Ratio Lower Upper
51 100
67 17.2 14.2 21.4

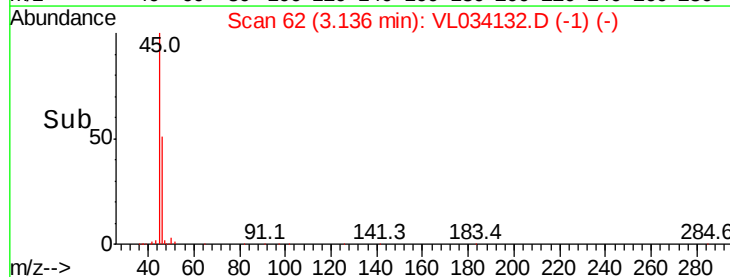
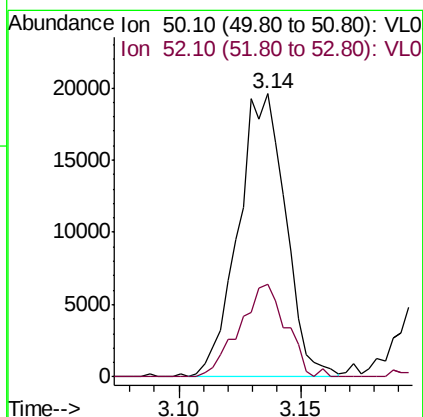
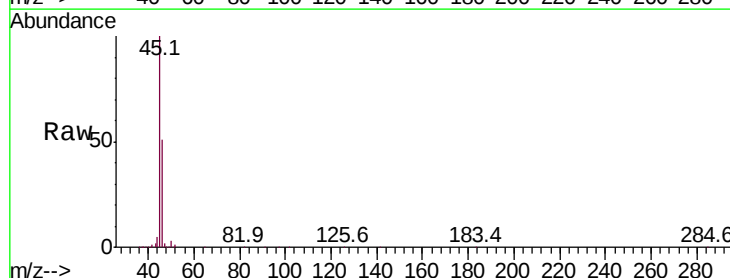
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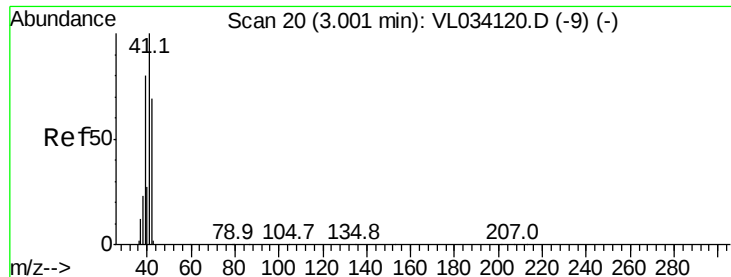
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#4
Chloromethane
Concen: 0.415 ppbv
RT: 3.14 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 50 Resp: 26339
Ion Ratio Lower Upper
50 100
52 32.6 27.4 41.2





#9

Propene

Concen: 1.690 ppbv m

RT: 3.01 min Scan# 24

Delta R.T. 0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion: 41 Resp: 96036

Ion Ratio Lower Upper

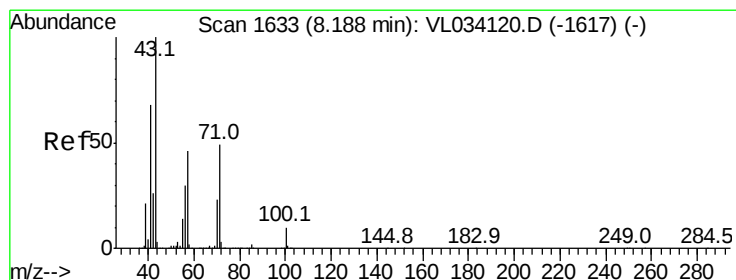
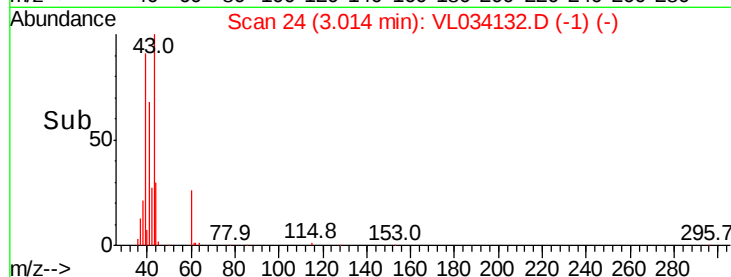
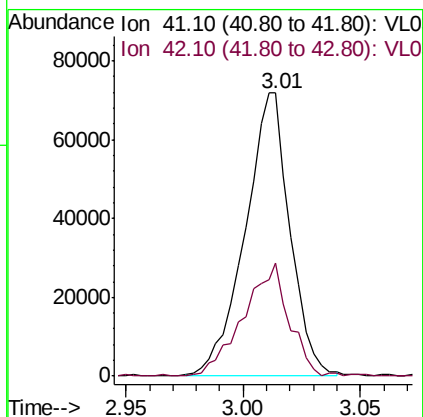
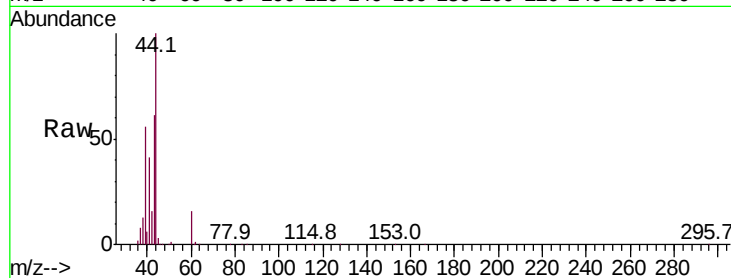
41 100

42 168.6 54.6 81.8#

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#10

Heptane

Concen: 1.049 ppbv

RT: 8.18 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VL034132.D

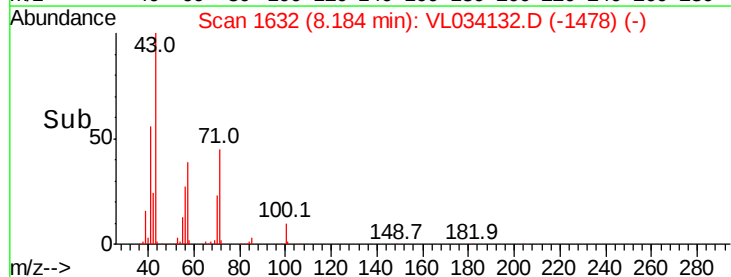
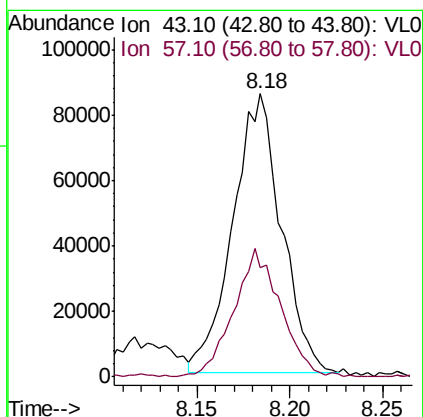
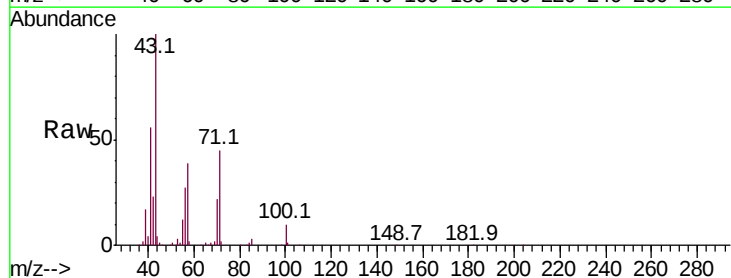
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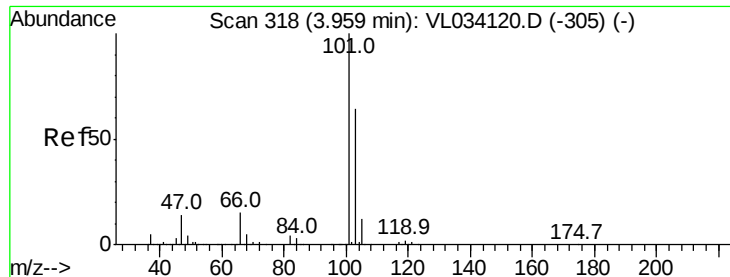
Tgt Ion: 43 Resp: 154790

Ion Ratio Lower Upper

43 100

57 44.6 38.1 57.1





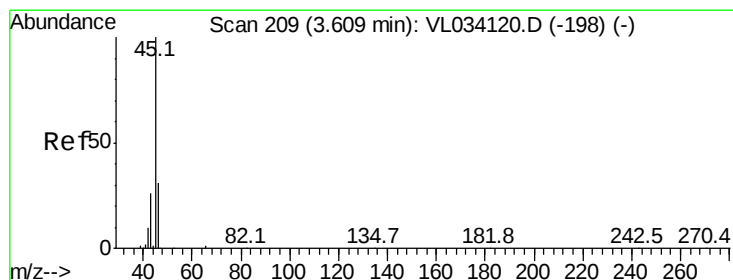
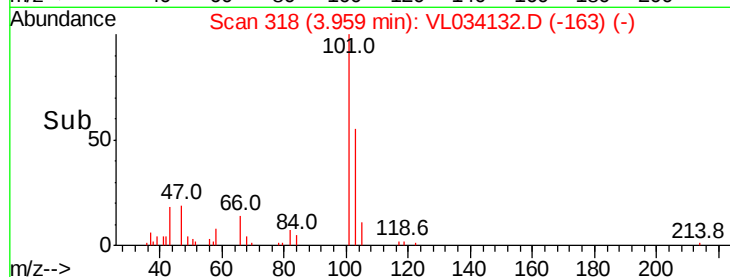
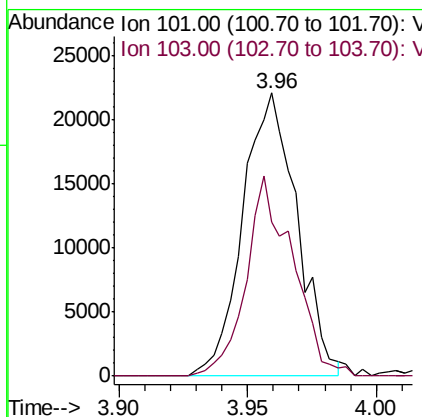
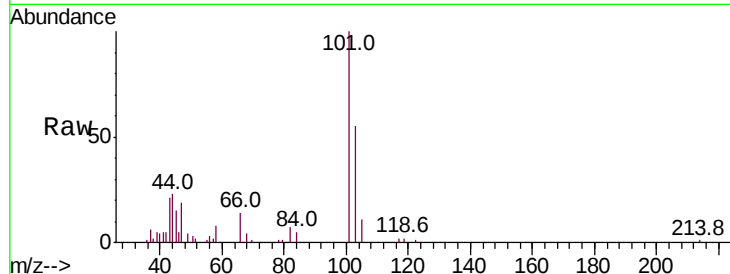
#11
 Trichlorofluoromethane
 Concen: 0.265 ppbv
 RT: 3.96 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

Tot Ion:101 Resp: 32470
 Ion Ratio Lower Upper
 101 100
 103 54.5 51.4 77.2

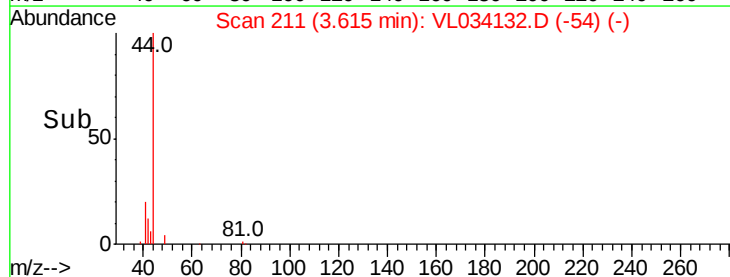
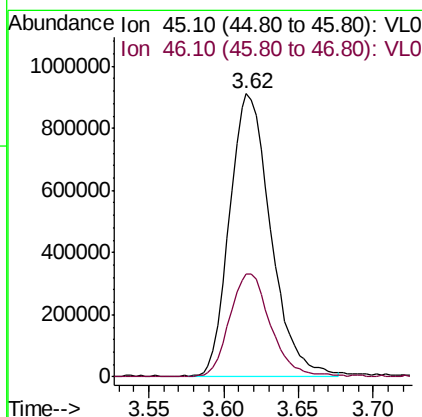
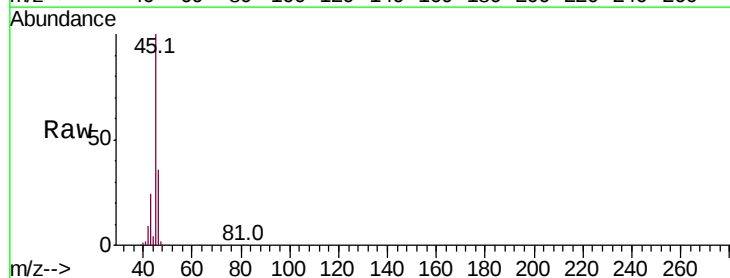
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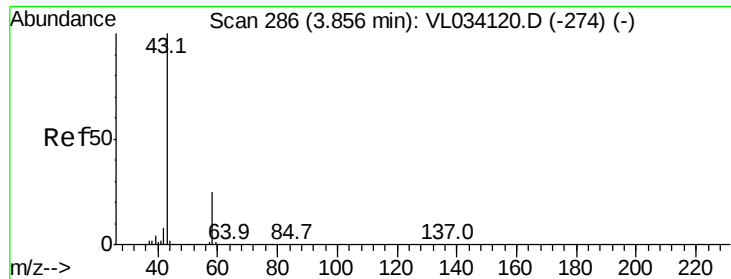
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#13
 Ethanol
 Concen: 155.698 ppbv
 RT: 3.62 min Scan# 211
 Delta R.T. 0.01 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 45 Resp: 1733467
 Ion Ratio Lower Upper
 45 100
 46 36.9 15.0 60.0





#15

Acetone

Concen: 28.557 ppbv m

RT: 3.85 min Scan# 284

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tot Ion: 43 Resp: 3136234

Ion Ratio Lower Upper

43 100

58 29.2 20.6 30.8

Instrument :

MSVOA_L

ClientSampleId :

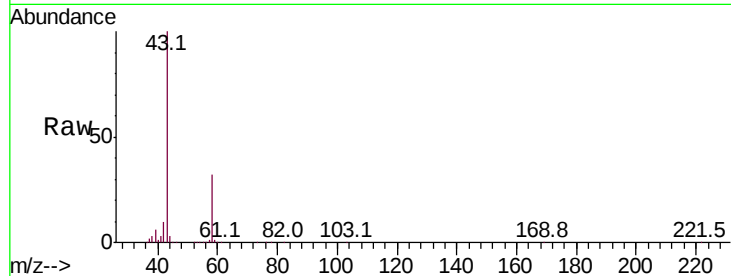
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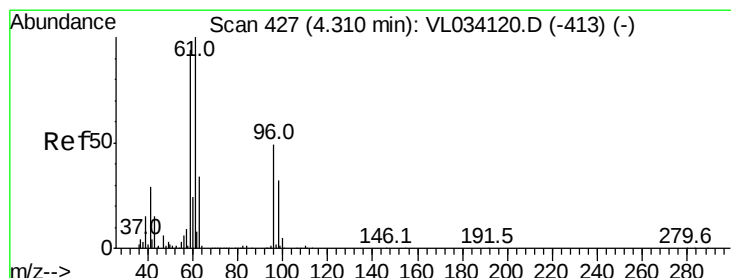
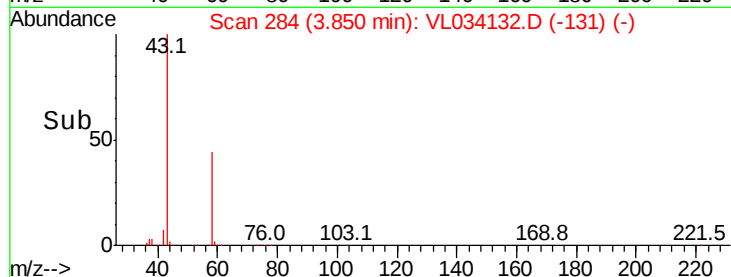
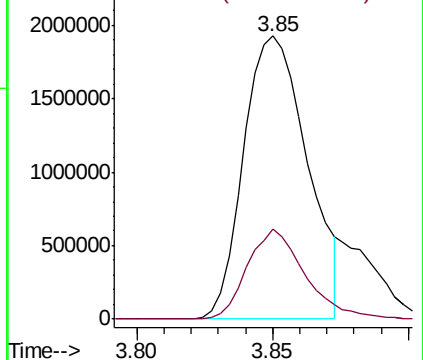
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.396 ppbv m

RT: 4.33 min Scan# 433

Delta R.T. 0.02 min

Lab File: VL034132.D

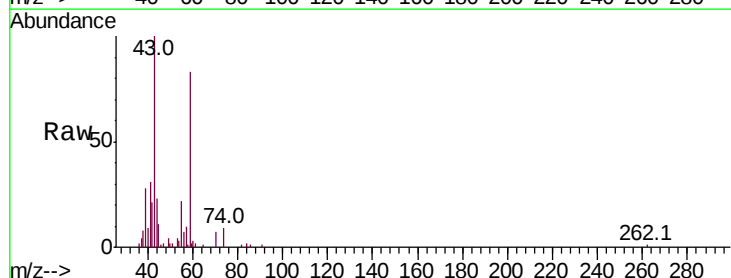
Acq: 5 Sep 2019 12:13

Tgt Ion: 59 Resp: 31599

Ion Ratio Lower Upper

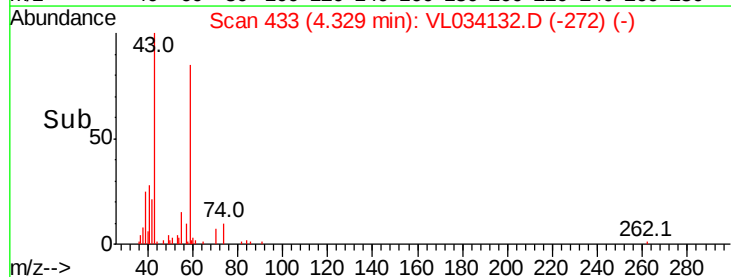
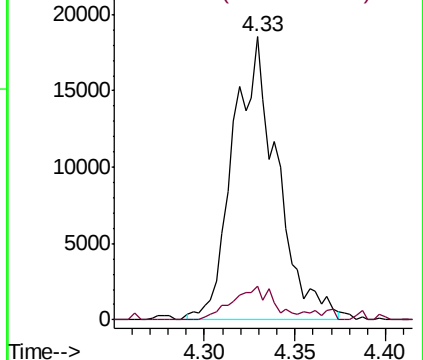
59 100

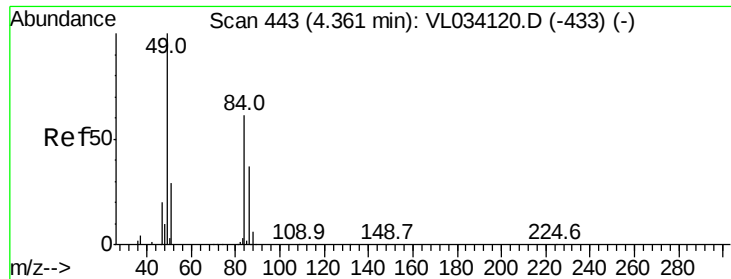
57 0.0 8.6 12.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





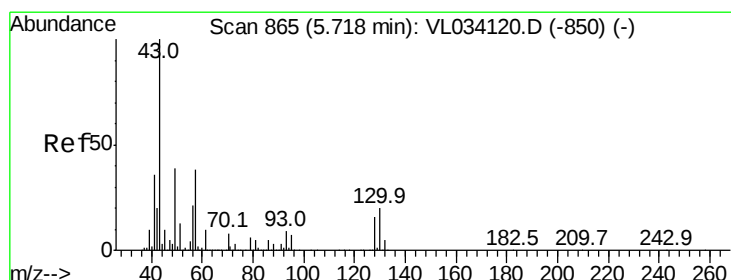
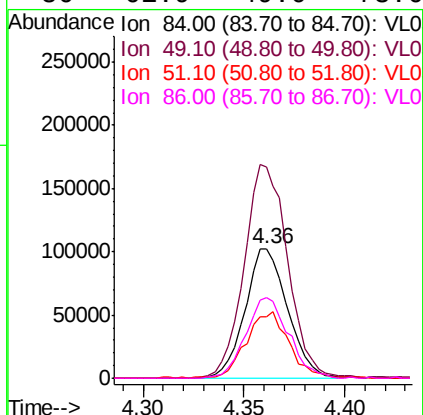
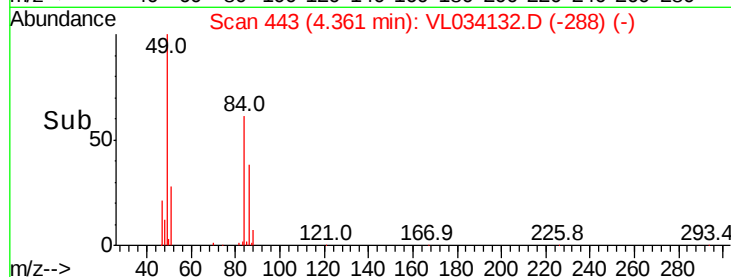
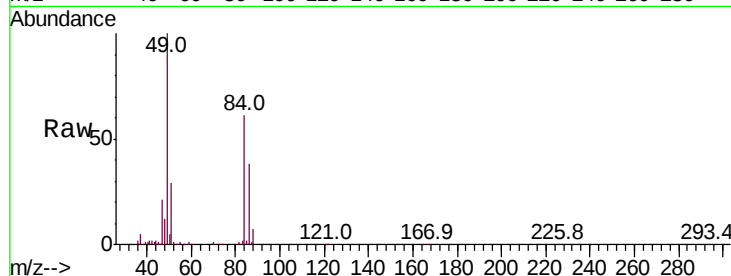
#20
Methvlene Chloride
Concen: 4.167 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
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AMBIENTDUP

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	162.5	131.0	196.6	
51	46.6	38.1	57.1	
86	61.9	49.0	73.6	

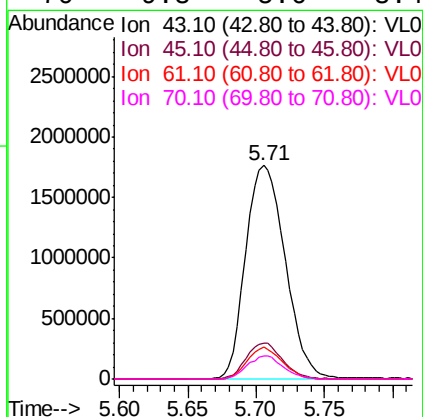
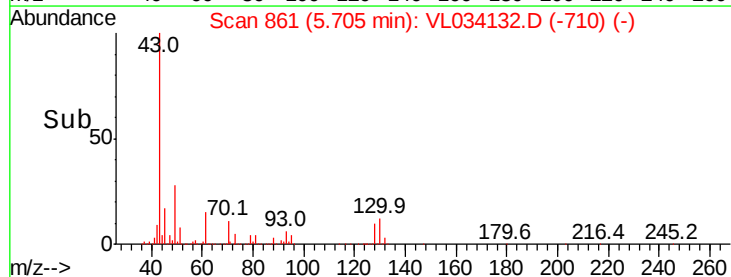
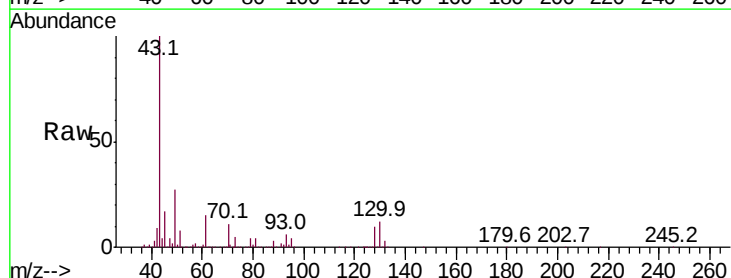
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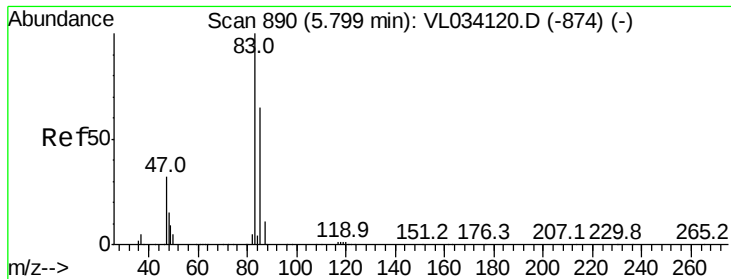
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#25
Ethyl Acetate
Concen: 14.713 ppbv
RT: 5.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
45	15.5	8.2	12.4#	
61	13.3	7.4	11.2#	
70	9.8	5.6	8.4#	





#29

Chloroform

Concen: 0.618 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion: 83 Resp: 89304

Ion Ratio Lower Upper

83 100

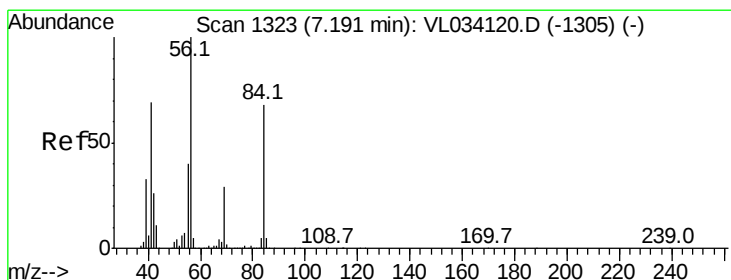
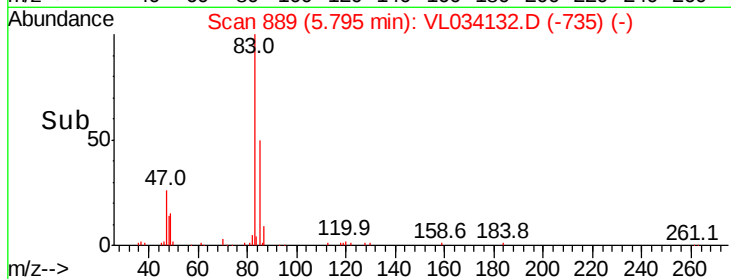
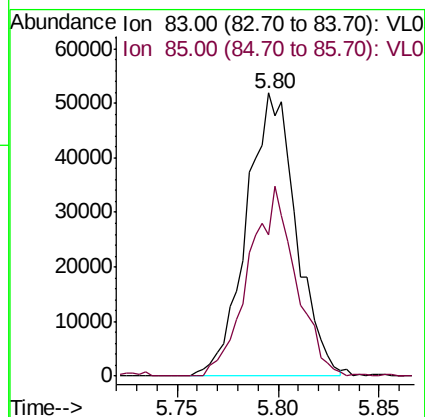
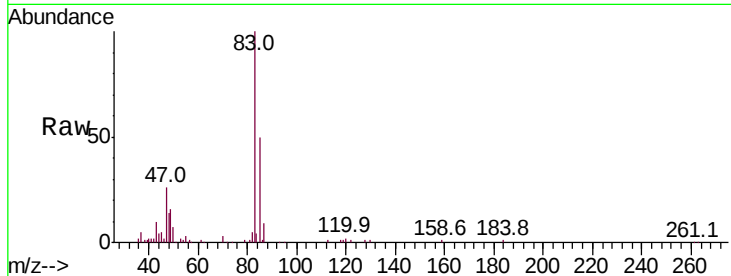
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Manual Integrations

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#30

Cyclohexane

Concen: 0.184 ppbv m

RT: 7.19 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

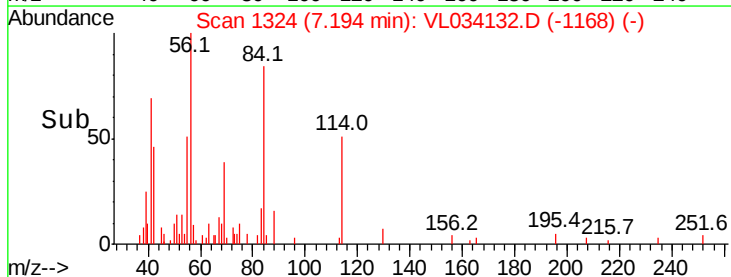
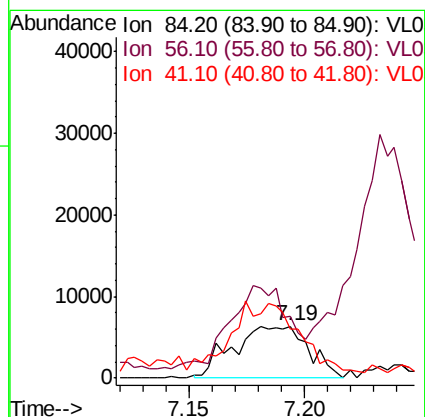
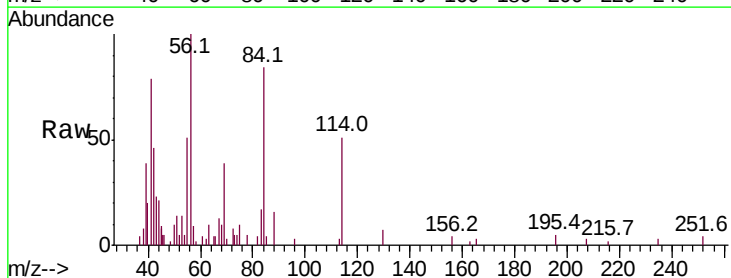
Tgt Ion: 84 Resp: 14280

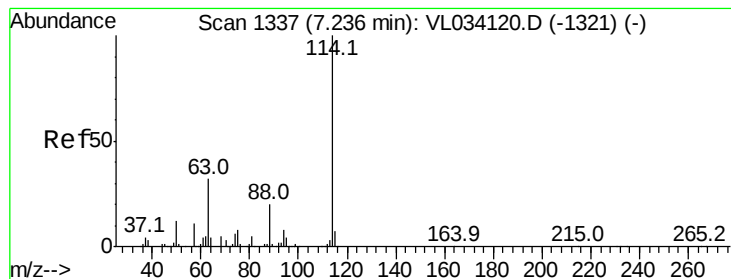
Ion Ratio Lower Upper

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: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion:114 Resp: 1788713

Ion Ratio Lower Upper

114 100

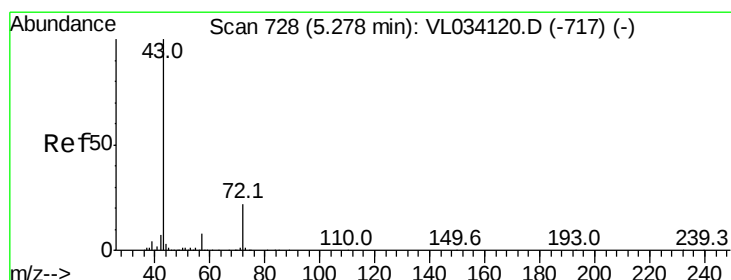
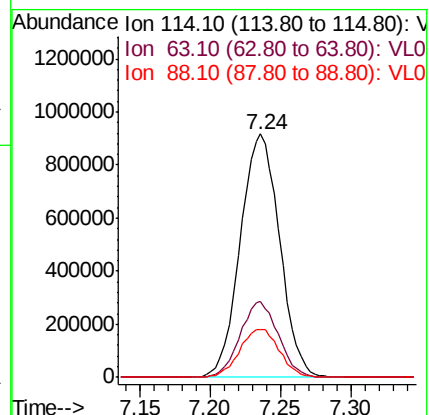
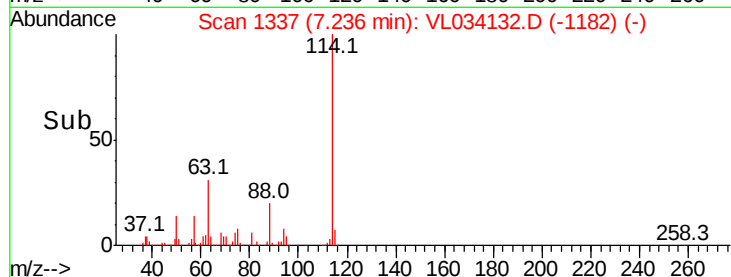
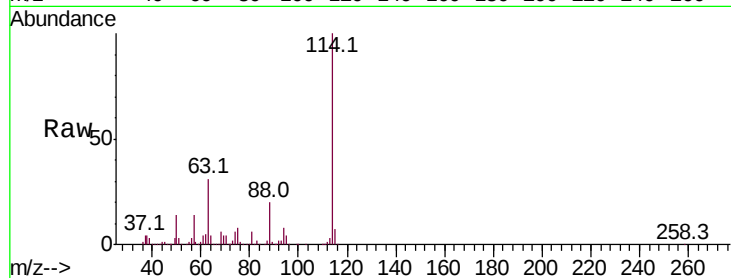
63 30.3 25.5 38.3

88 20.1 16.8 25.2

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#34

2-Butanone

Concen: 22.742 ppbv

RT: 5.27 min Scan# 726

Delta R.T. -0.01 min

Lab File: VL034132.D

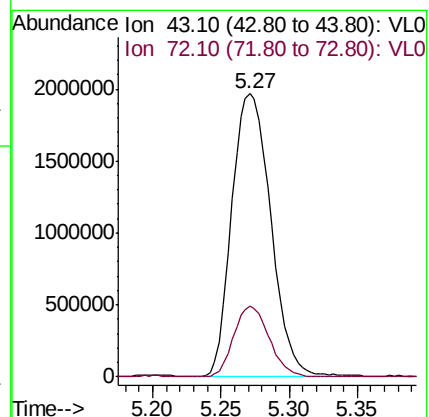
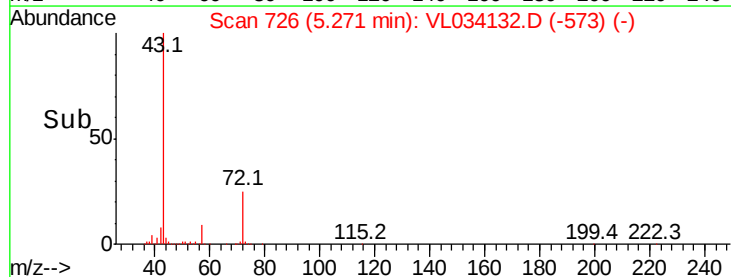
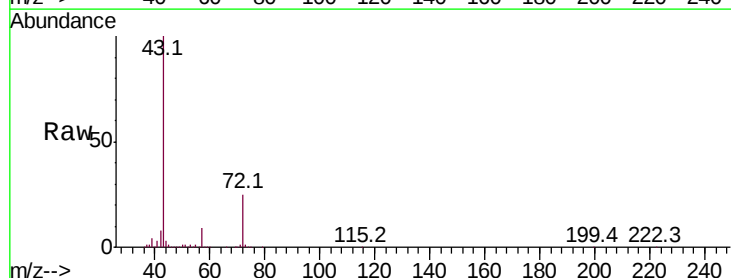
Acq: 5 Sep 2019 12:13

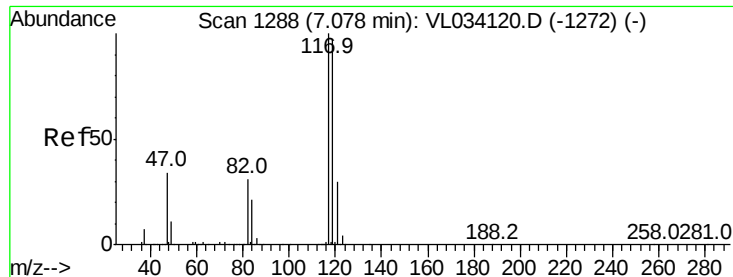
Tgt Ion: 43 Resp: 3910842

Ion Ratio Lower Upper

43 100

72 23.0 16.5 24.7





#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 7.07 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

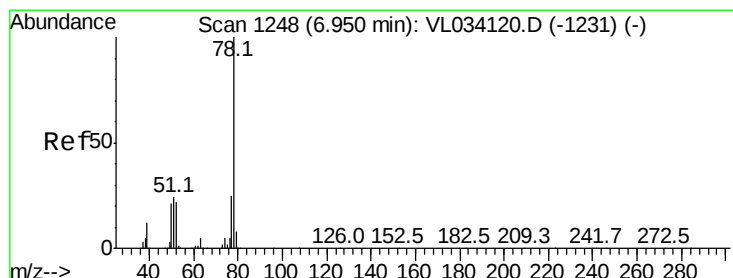
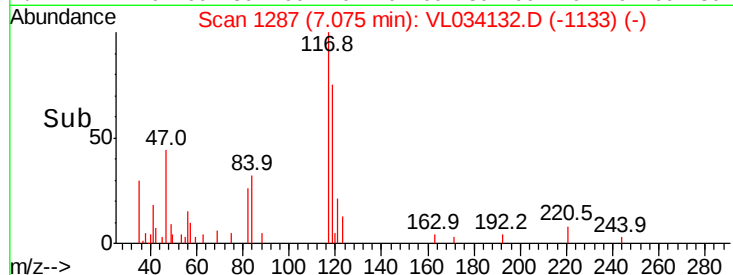
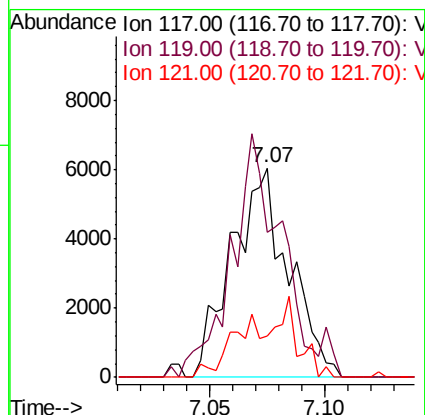
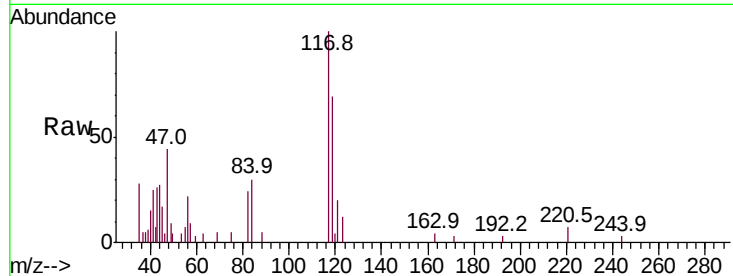
ClientSampleId :

AMBIENTDUP

Tot Ion:	117	Resp:	10380
Ion Ratio	Lower	Upper	
117	100		
119	69.1	77.2	115.8#
121	19.7	24.2	36.4#

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#36

Benzene

Concen: 0.313 ppbv

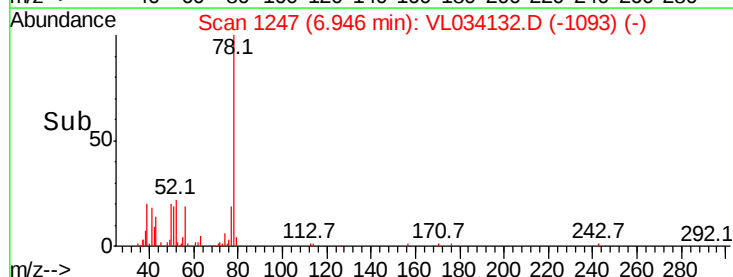
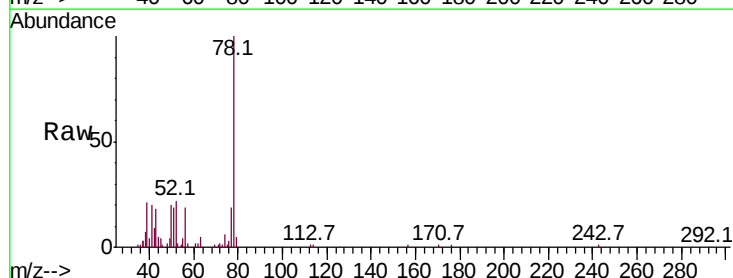
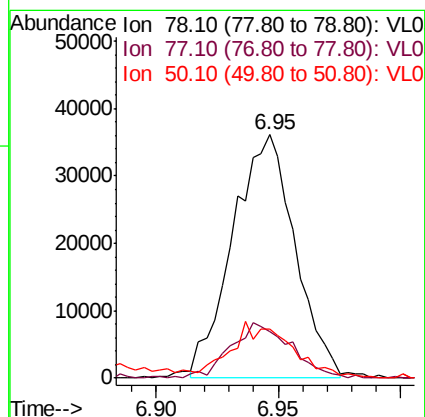
RT: 6.95 min Scan# 1247

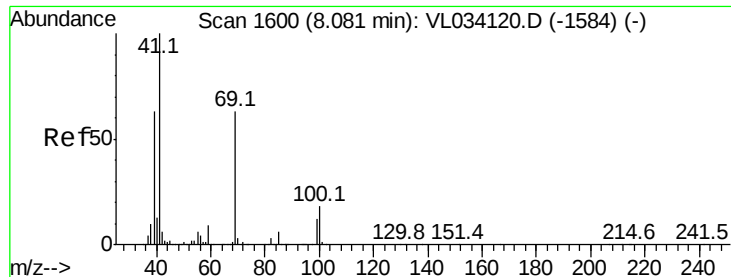
Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tgt Ion:	78	Resp:	64093
Ion Ratio	Lower	Upper	
78	100		
77	18.4	20.3	30.5#
50	19.2	16.9	25.3





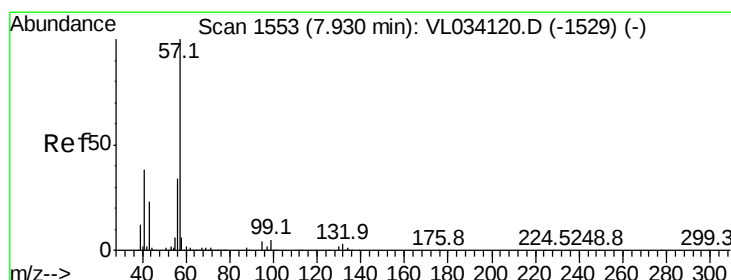
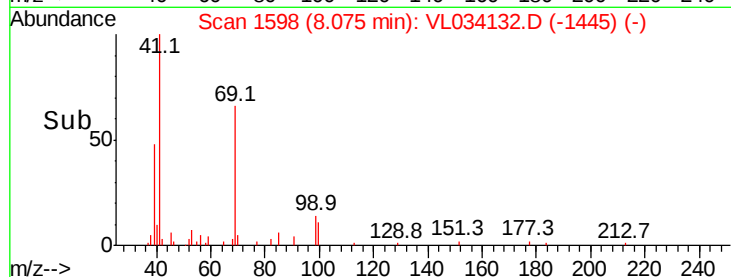
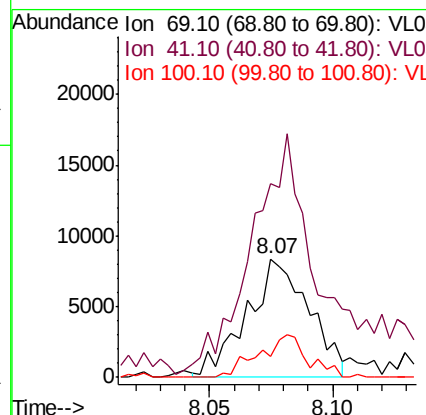
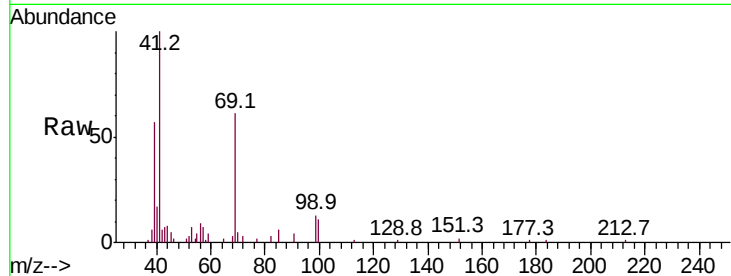
#43
Methvl Methacrylate
Concen: 0.174 ppbv m
RT: 8.07 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion	Ratio	Lower	Upper
69	100		
41	218.1	131.0	196.6#
100	28.3	22.6	33.8

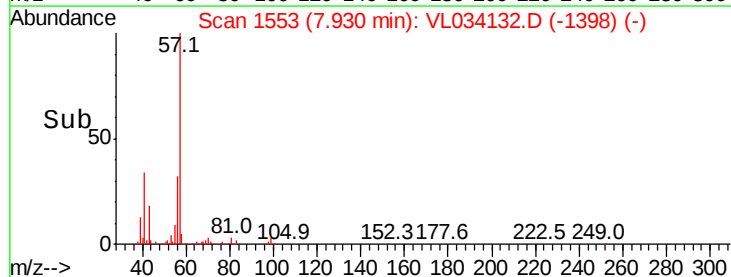
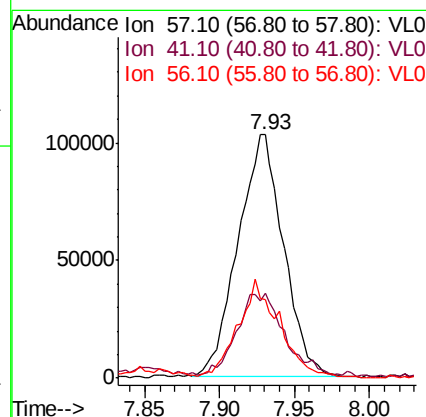
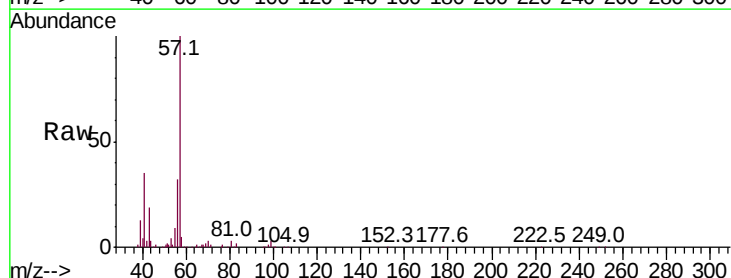
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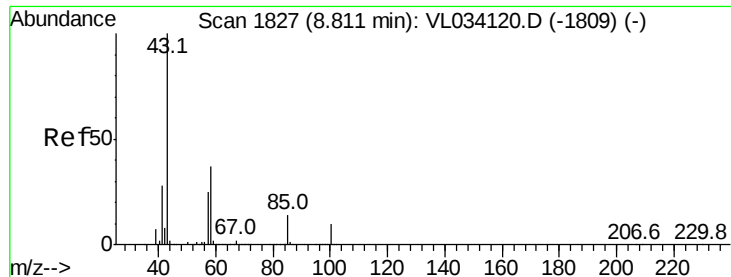
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#44
2,2,4-Trimethylpentane
Concen: 0.578 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.4	28.4	42.6
56	38.1	26.3	39.5





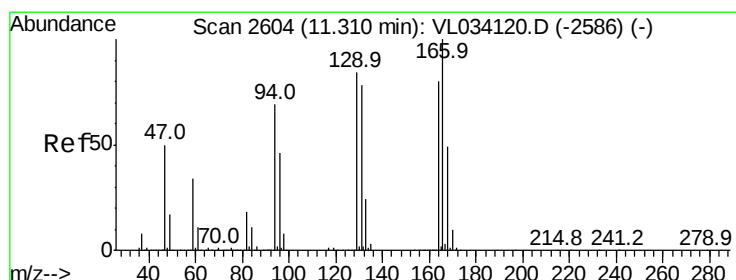
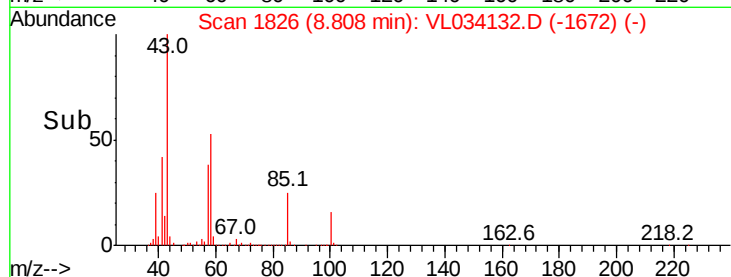
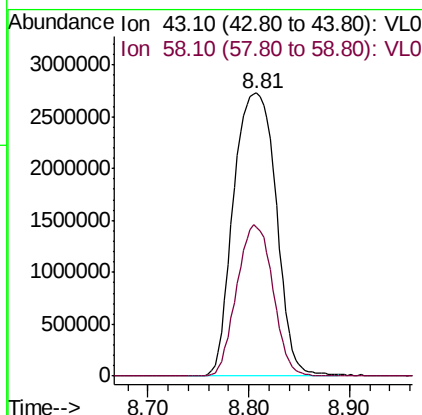
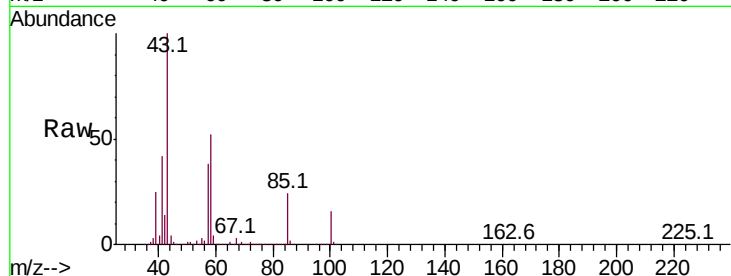
#50
4-Methyl-2-Pentanone
Concen: 30.525 ppbv
RT: 8.81 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion: 43 Resp: 8010011
Ion Ratio Lower Upper
43 100
58 45.5 28.5 42.7#

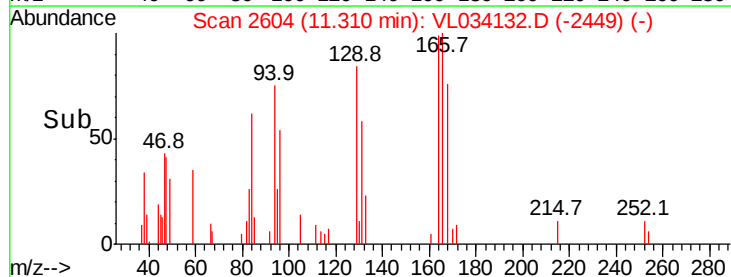
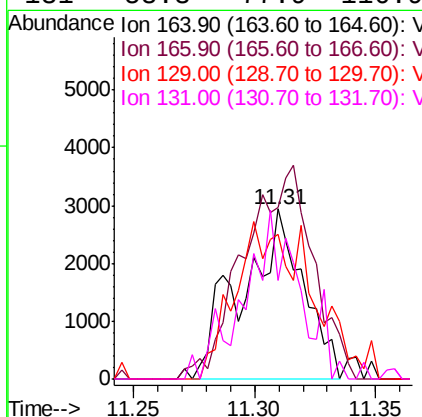
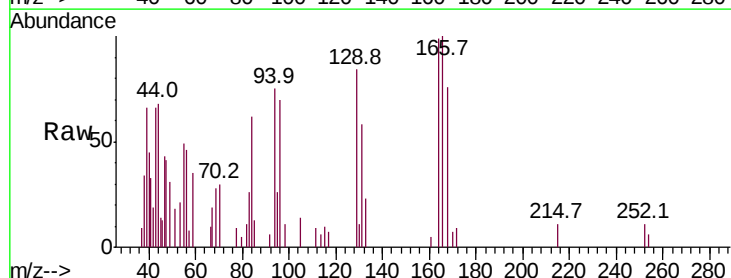
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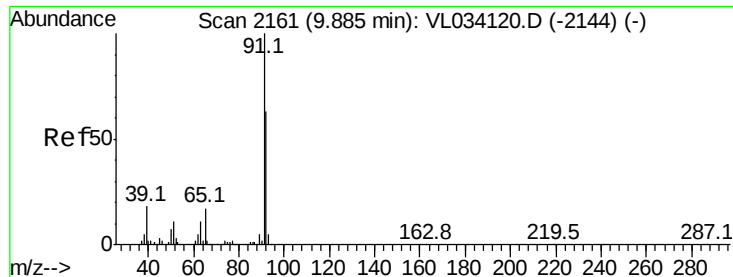
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#52
Tetrachloroethene
Concen: 0.071 ppbv m
RT: 11.31 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 164 Resp: 5154
Ion Ratio Lower Upper
164 100
166 101.3 99.5 149.3
129 85.2 83.6 125.4
131 58.3 77.9 116.9#





#53

Toluene

Concen: 7.692 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion: 91 Resp: 1739282

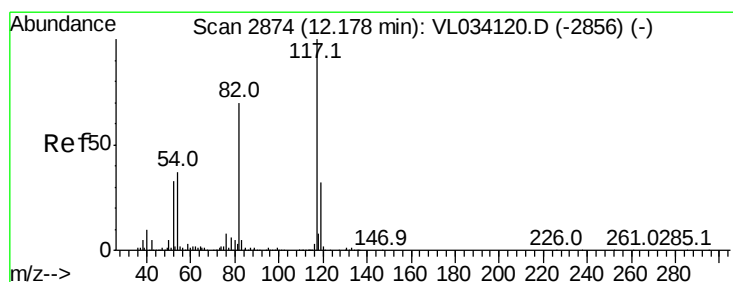
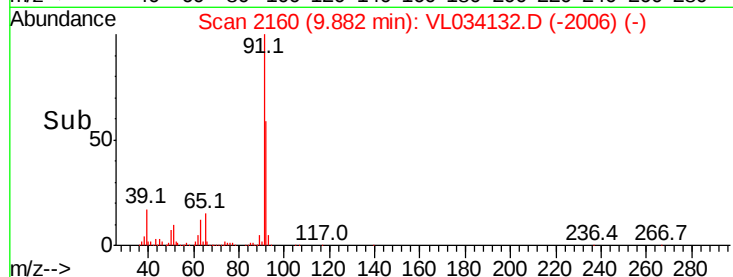
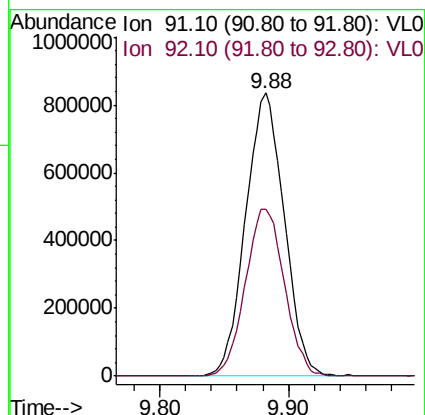
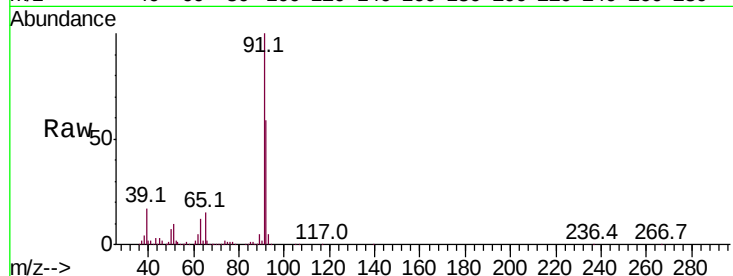
Ion Ratio Lower Upper

91 100

92 60.0 49.3 73.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

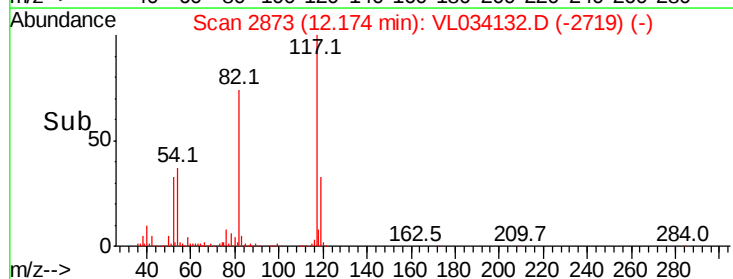
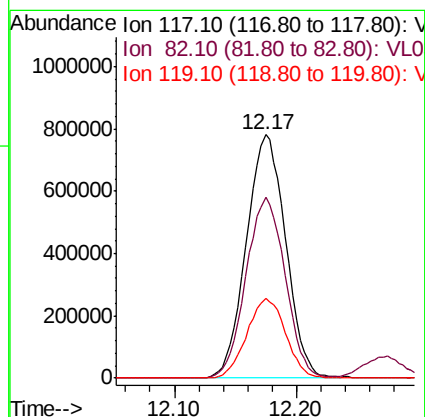
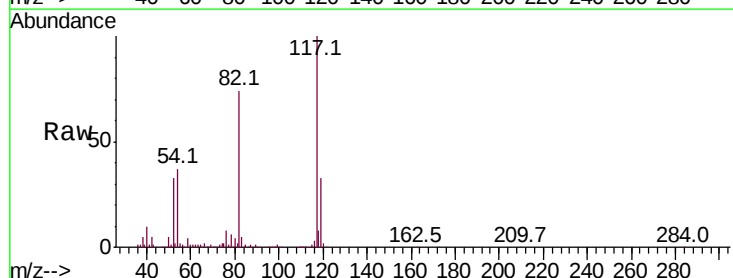
Tgt Ion: 117 Resp: 1738467

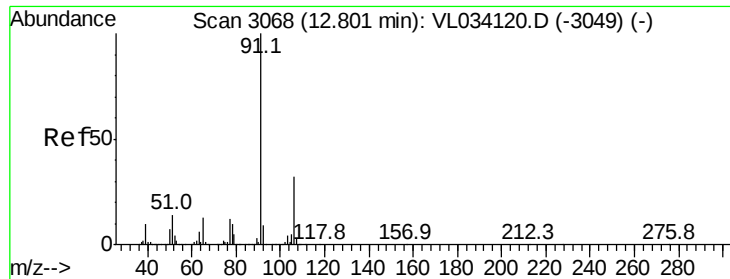
Ion Ratio Lower Upper

117 100

82 74.0 55.8 83.6

119 32.5 43.1 64.7#





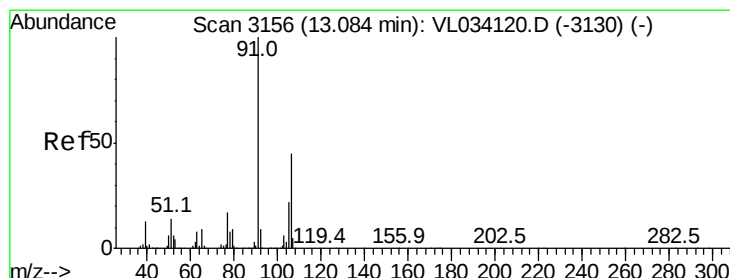
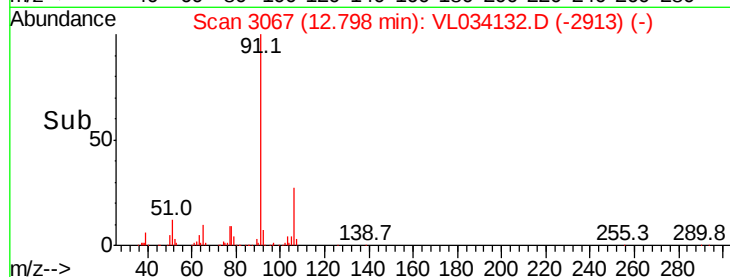
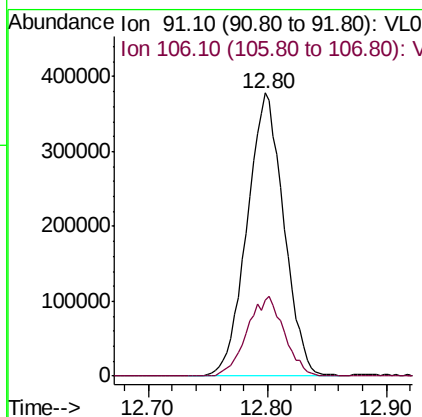
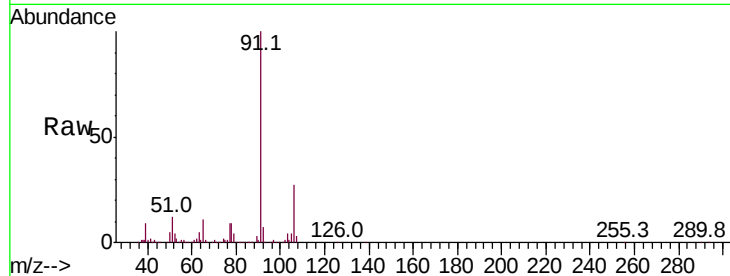
#58
Ethyl Benzene
Concen: 2.832 ppbv
RT: 12.80 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion: 91 Resp: 807191
Ion Ratio Lower Upper
91 100
106 27.1 25.3 37.9

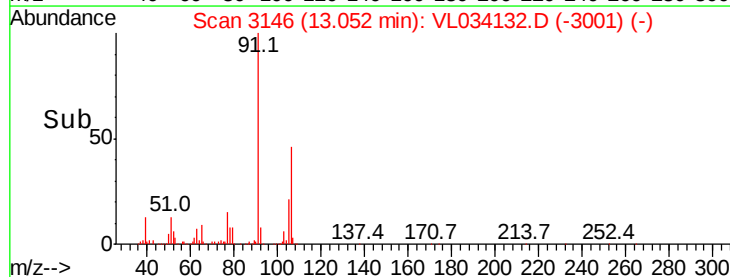
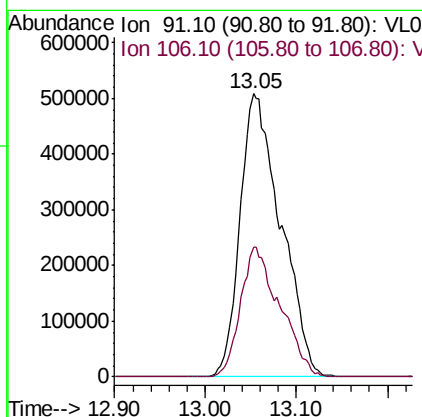
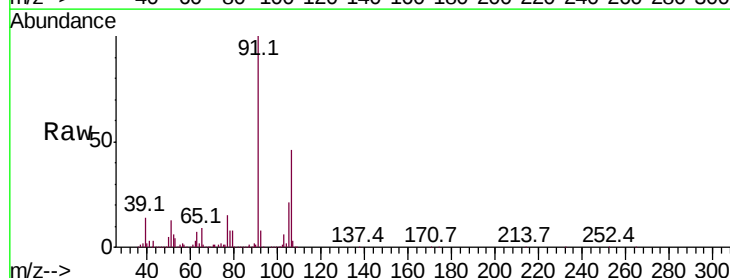
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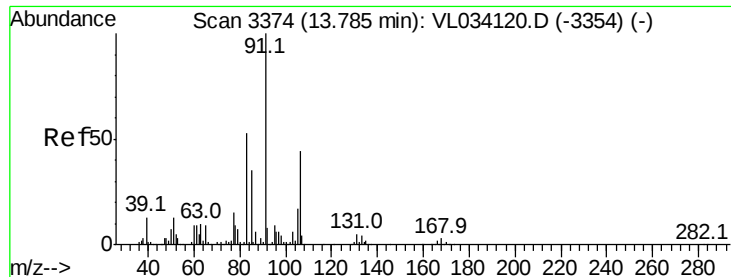
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#59
m/p-Xylene
Concen: 6.786 ppbv
RT: 13.05 min Scan# 3146
Delta R.T. -0.03 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion: 91 Resp: 1577996
Ion Ratio Lower Upper
91 100
106 44.4 35.4 53.2





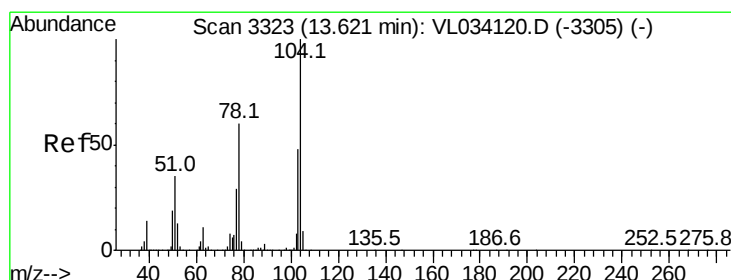
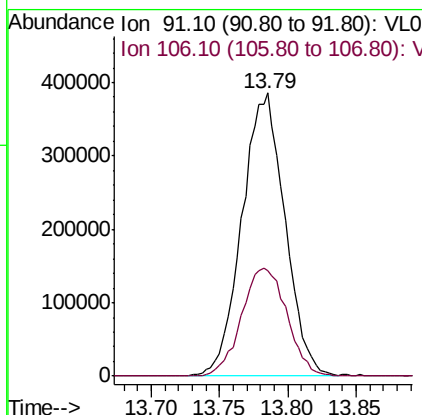
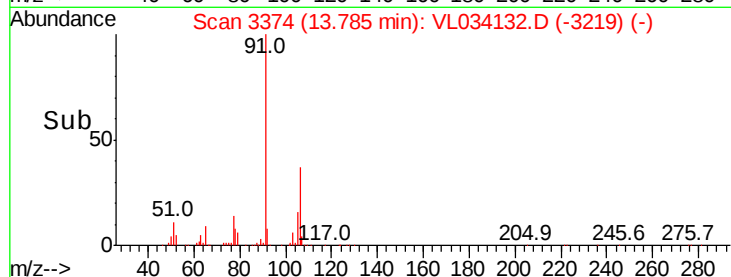
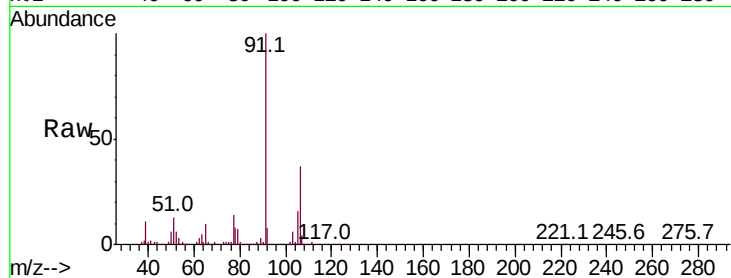
#60
o-Xylene
Concen: 3.624 ppbv
RT: 13.79 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion	Ratio	Lower	Upper
91	100		
106	40.4	21.4	64.3

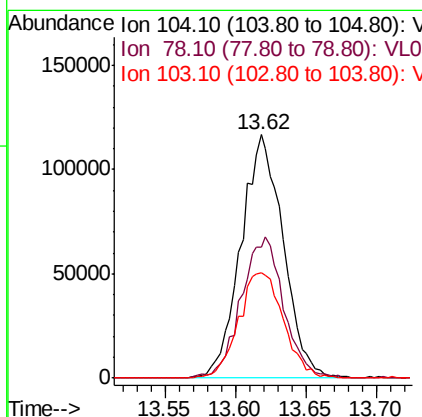
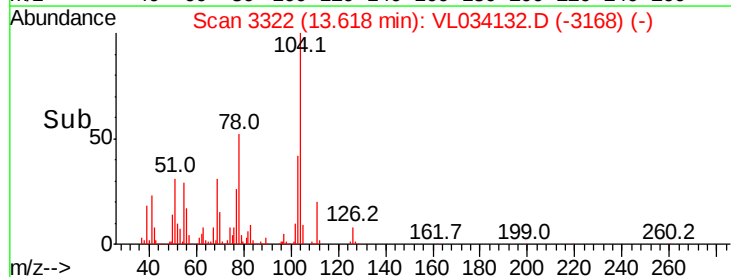
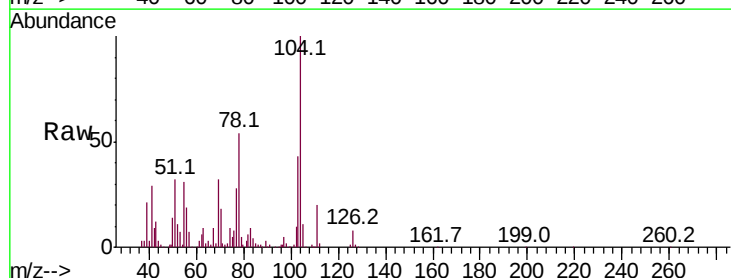
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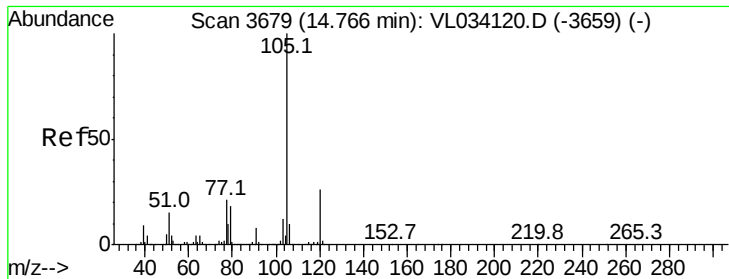
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#61
Styrene
Concen: 1.414 ppbv
RT: 13.62 min Scan# 3322
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.2	47.8	71.6
103	45.8	38.7	58.1





#62

Isopropylbenzene

Concen: 0.458 ppbv

RT: 14.76 min Scan# 3676

Delta R.T. -0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion:105 Resp: 138008

Ion Ratio Lower Upper

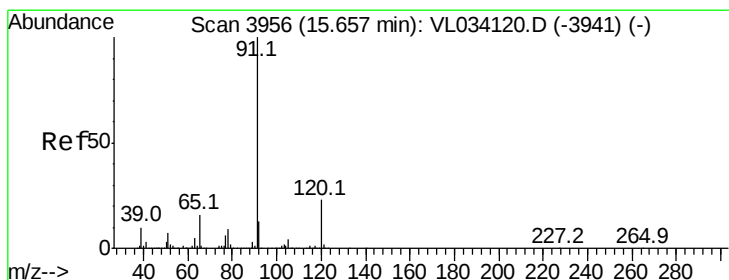
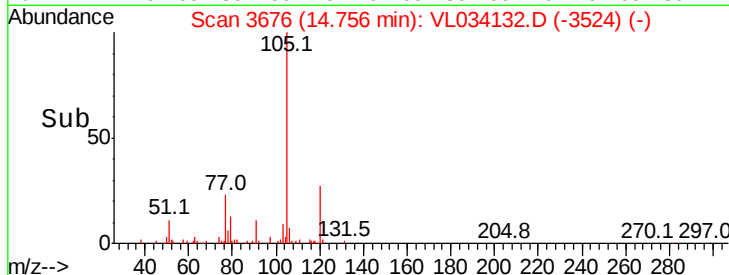
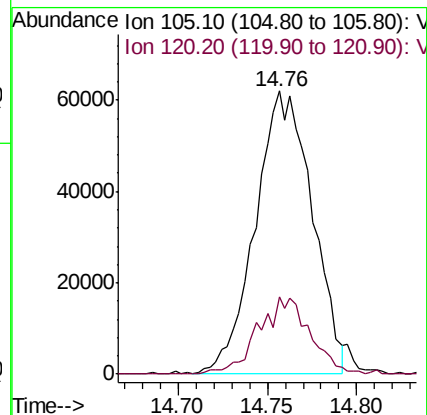
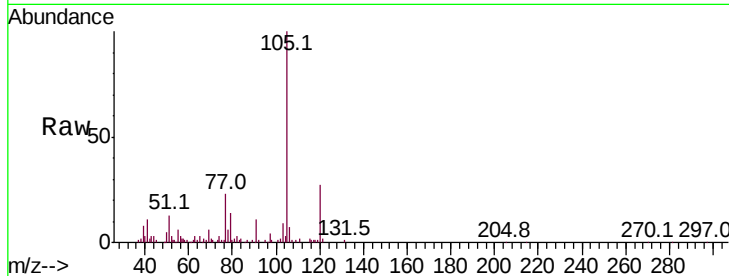
105 100

120 25.0 20.6 31.0

Manual Integrations
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9/12/2019 5:15:50 AM



#64

n-propylbenzene

Concen: 1.537 ppbv m

RT: 15.66 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034132.D

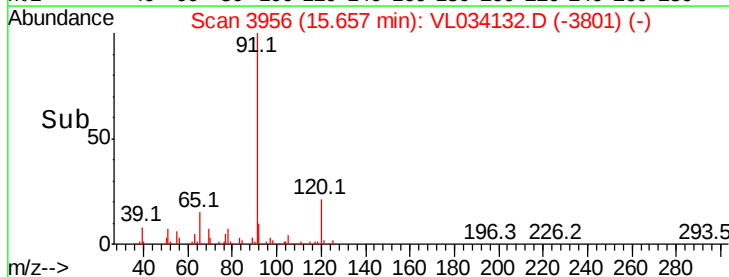
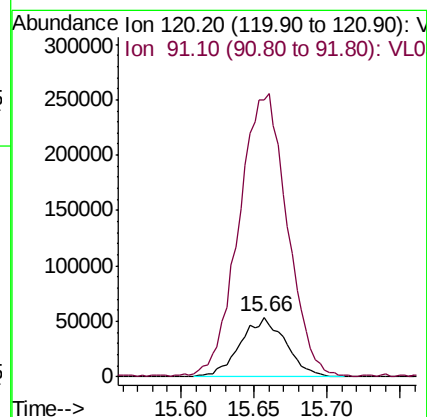
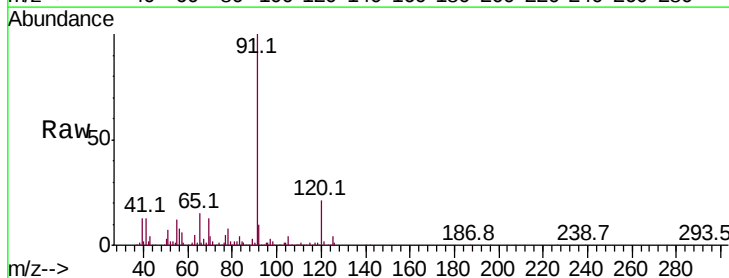
Acq: 5 Sep 2019 12:13

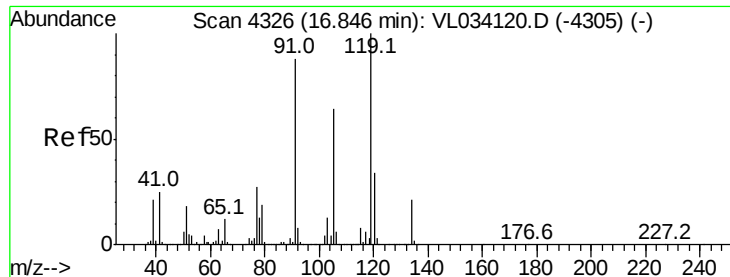
Tgt Ion:120 Resp: 116021

Ion Ratio Lower Upper

120 100

91 0.0 376.8 565.2#





#65

tert-Butylbenzene

Concen: 1.243 ppbv

RT: 16.86 min Scan# 4330

Delta R.T. 0.01 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

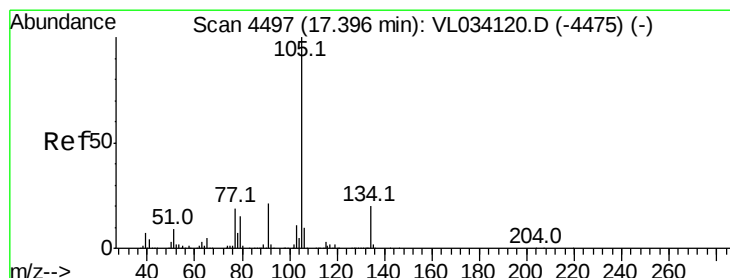
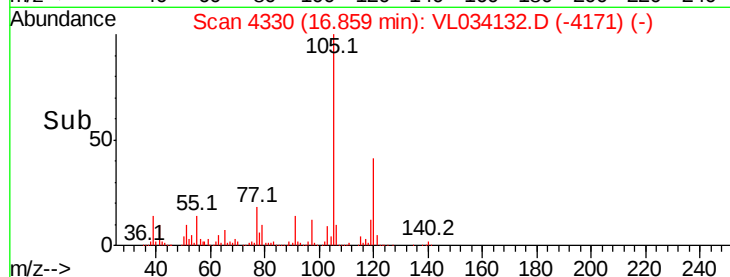
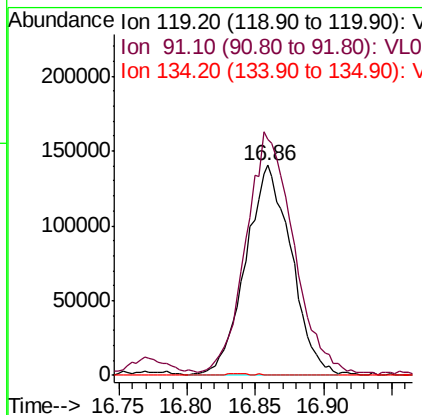
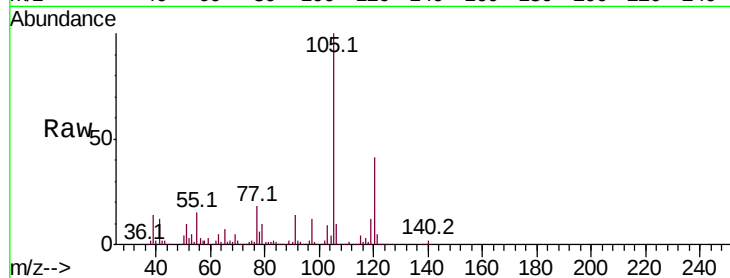
ClientSampleId :

AMBIENTDUP

Tot Ion	Ratio	Resp	Lower	Upper
119	100	323319		
91	122.2	72.8	109.2#	
134	0.5	15.8	23.8#	

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#67

sec-Butylbenzene

Concen: 0.684 ppbv

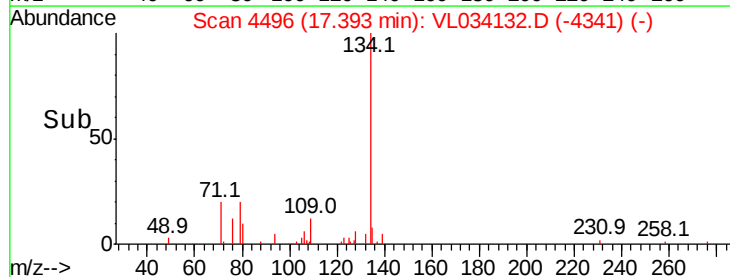
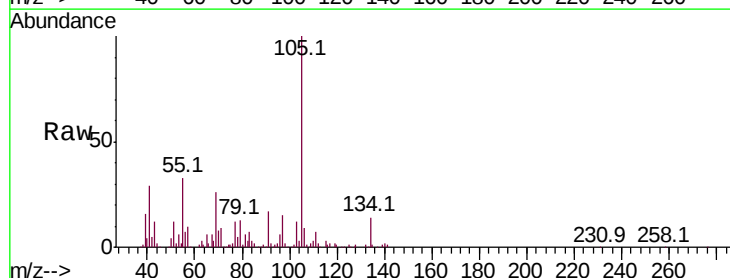
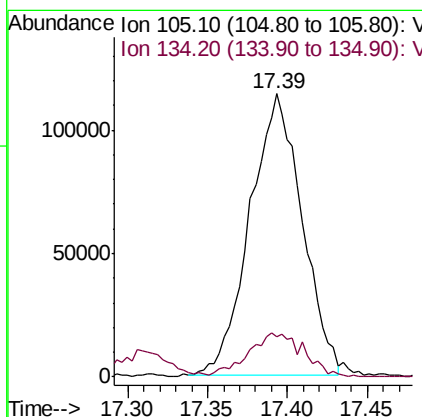
RT: 17.39 min Scan# 4496

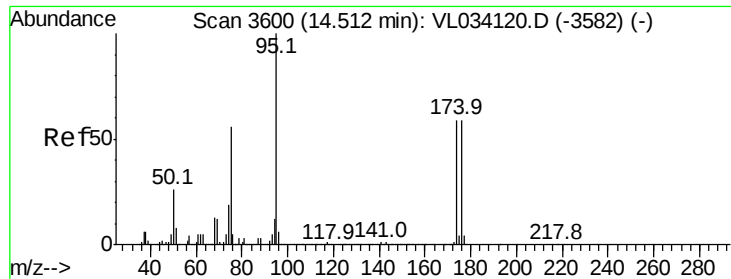
Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	255731		
134	16.8	15.0	22.4	





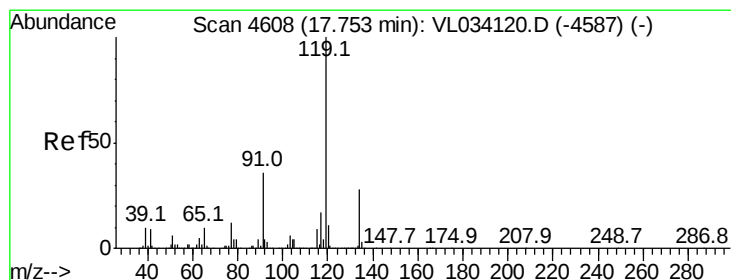
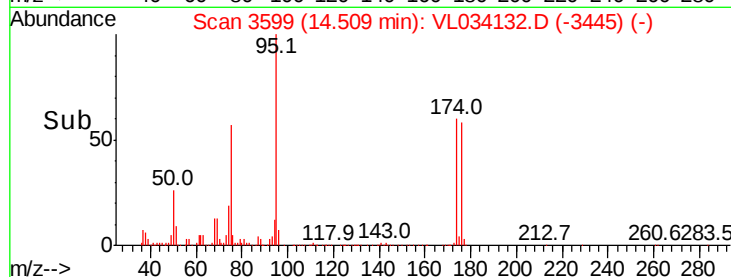
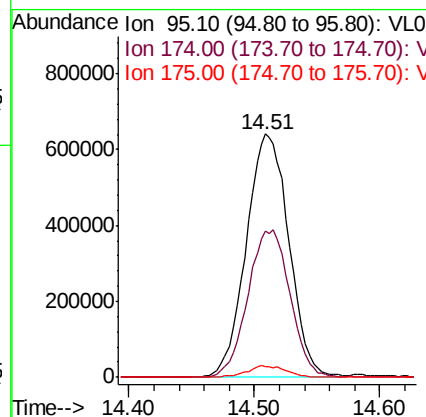
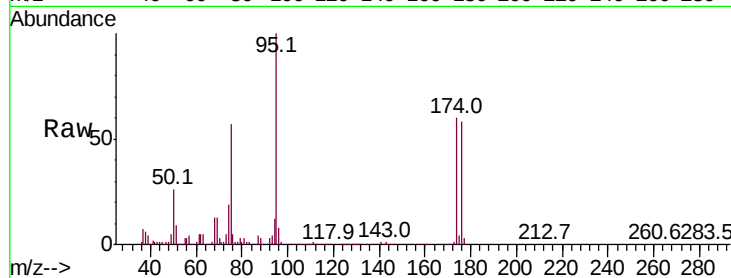
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.623 ppbv
 RT: 14.51 min Scan# 3599
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

Tot Ion: 95 Resp: 1509713
 Ion Ratio Lower Upper
 95 100
 174 60.2 48.1 72.1
 175 4.5 3.5 5.3

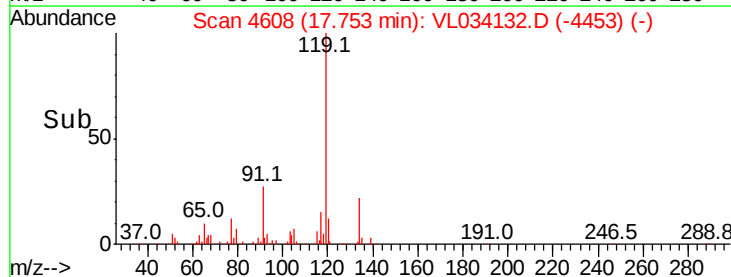
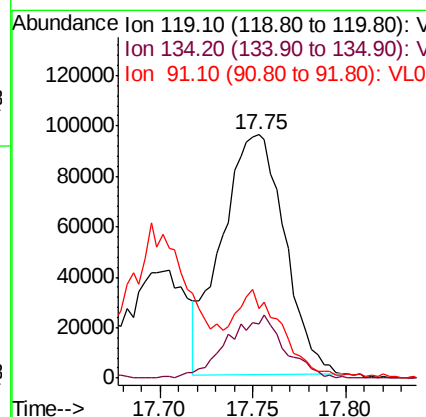
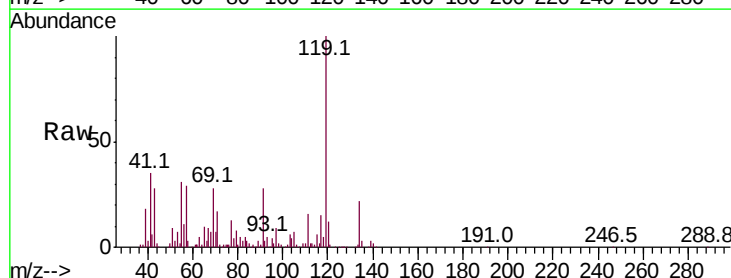
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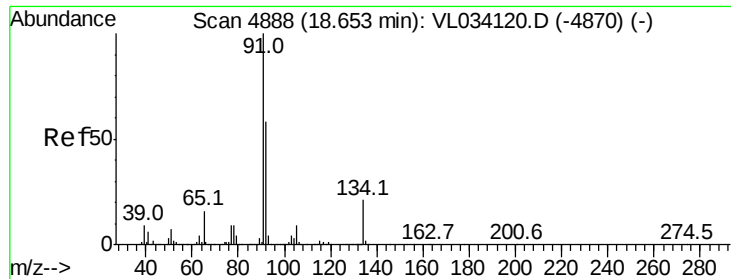
MMDadoda
 9/12/2019 5:15:50 AM



#69
 p-Isopropyltoluene
 Concen: 0.749 ppbv
 RT: 17.75 min Scan# 4608
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Tgt Ion: 119 Resp: 224031
 Ion Ratio Lower Upper
 119 100
 134 23.9 20.8 31.2
 91 30.5 27.2 40.8





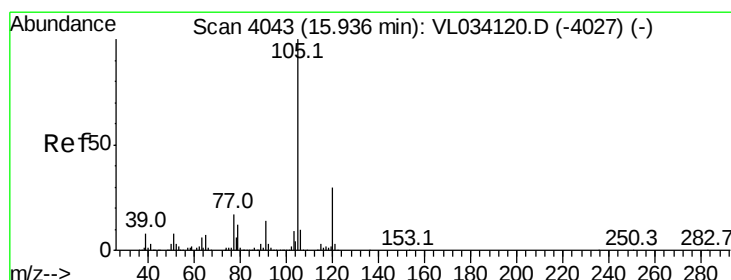
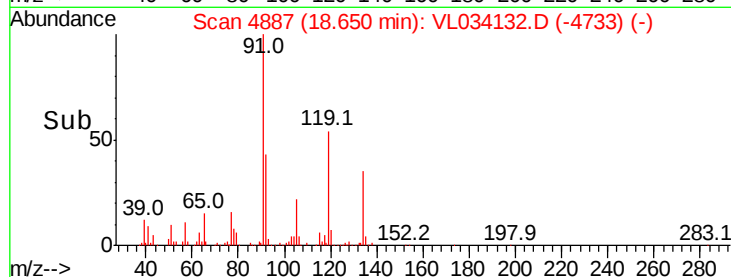
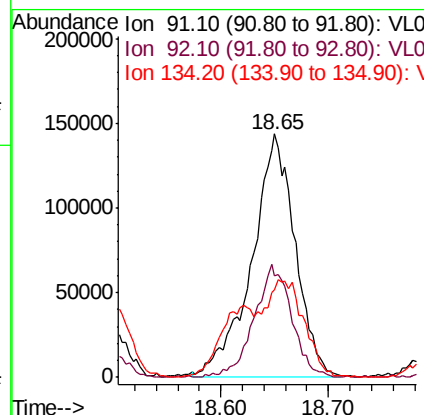
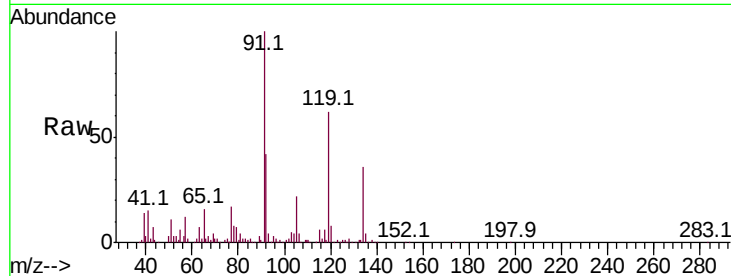
#70
n-Butylbenzene
Concen: 1.185 ppbv m
RT: 18.65 min Scan# 4887
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleID :
AMBIENTDUP

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	40.1	45.3	67.9#	
134	59.5	17.4	26.0#	

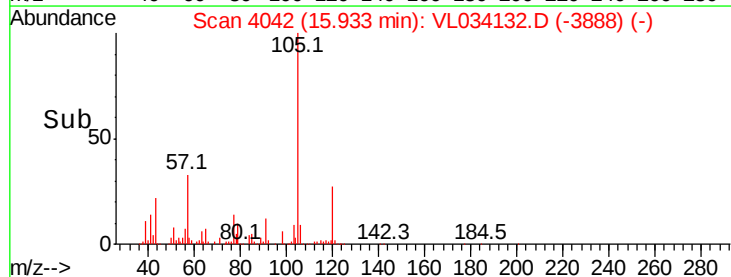
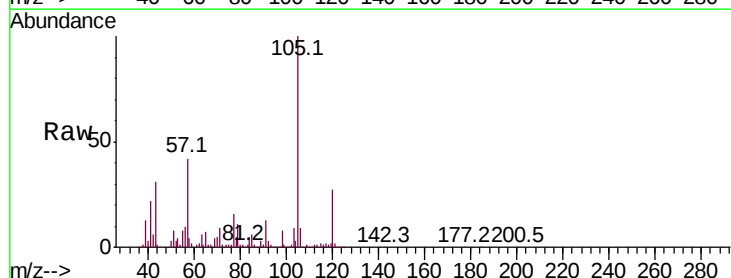
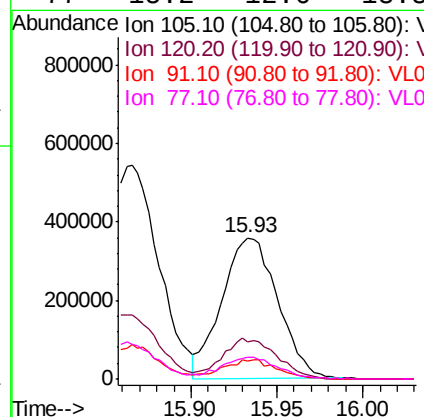
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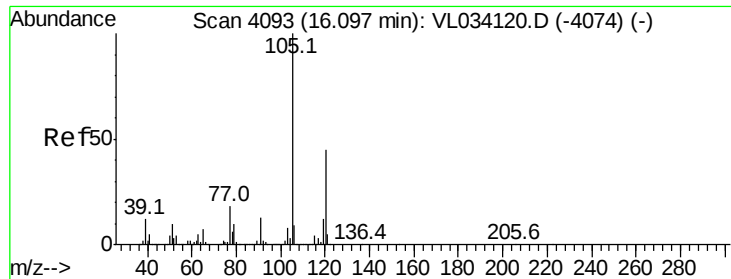
MMDadoda
9/12/2019 5:15:50 AM



#72
4-Ethyltoluene
Concen: 3.102 ppbv
RT: 15.93 min Scan# 4042
Delta R.T. -0.00 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	27.7	23.8	35.6	
91	12.7	11.4	17.0	
77	15.2	12.6	18.8	





#73

1,3,5-Trimethylbenzene

Concen: 2.856 ppbv m

RT: 16.09 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDUP

Tot Ion:105 Resp: 725294

Ion Ratio Lower Upper

105 100

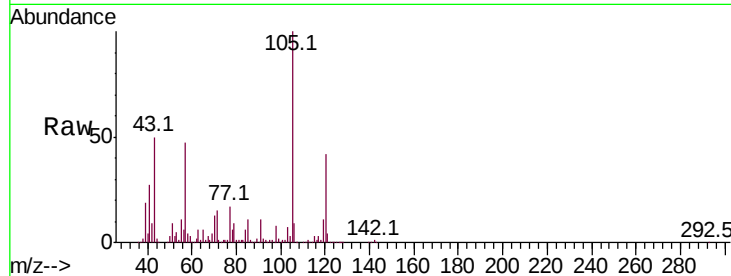
120 42.1 35.8 53.8

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

16.09

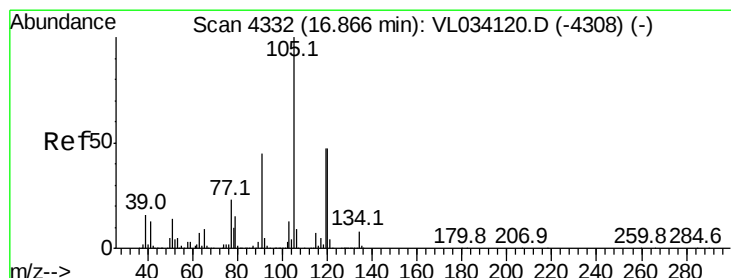
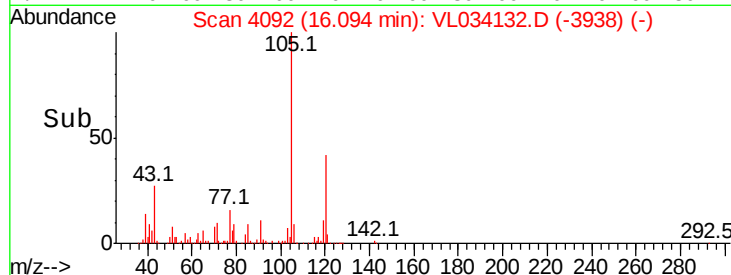
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.977 ppbv

RT: 16.86 min Scan# 4331

Delta R.T. -0.00 min

Lab File: VL034132.D

Acq: 5 Sep 2019 12:13

Tgt Ion:105 Resp: 2870892

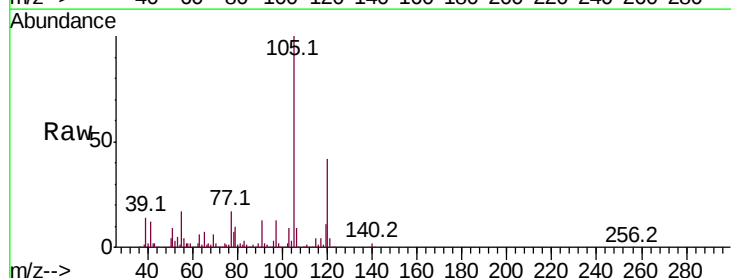
Ion Ratio Lower Upper

105 100

120 41.9 37.7 56.5

91 13.0 36.2 54.2#

77 16.9 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

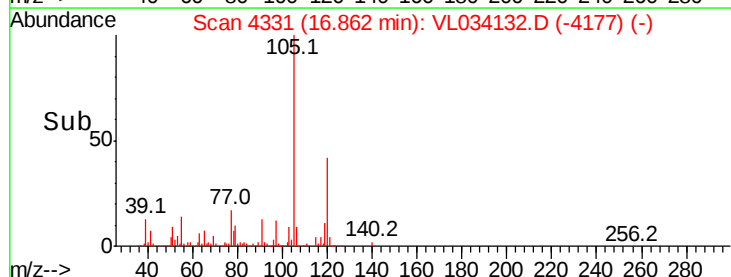
1500000

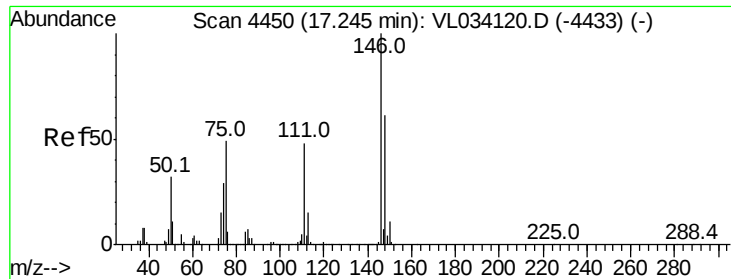
1000000

500000

0

Time-->





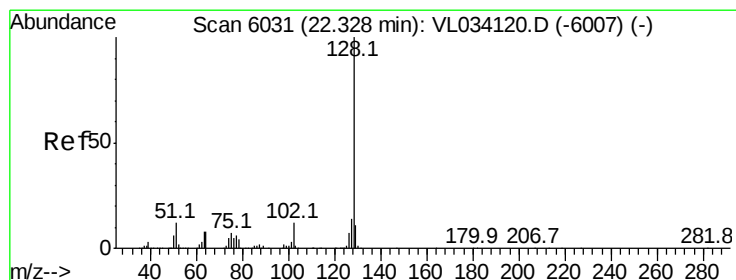
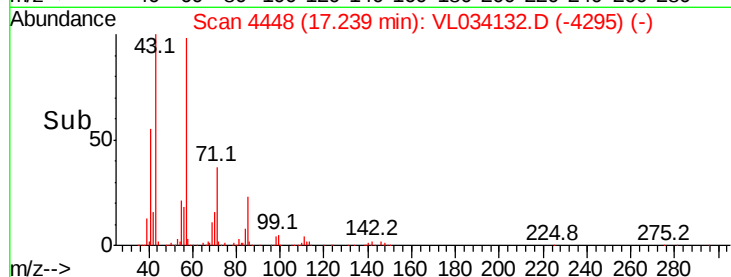
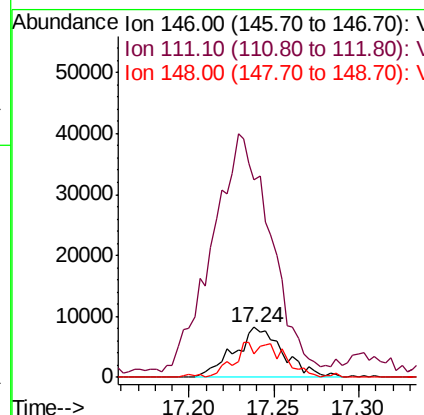
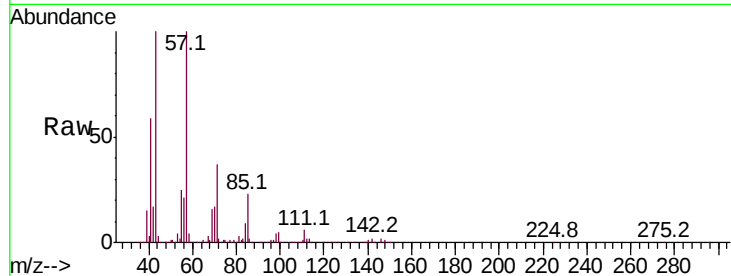
#76
1,4-Dichlorobenzene
Concen: 0.113 ppbv m
RT: 17.24 min Scan# 4448
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDUP

Tot Ion	Ratio	Lower	Upper
146	100		
111	576.1	24.3	72.8#
148	71.4	32.6	98.0

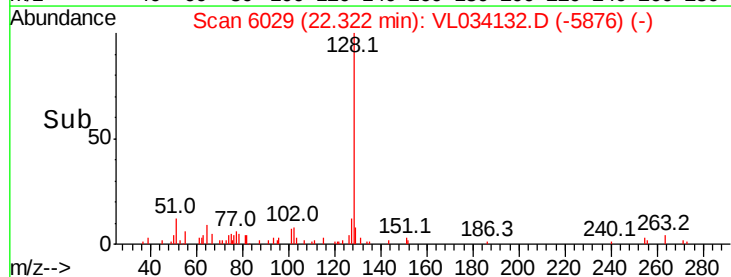
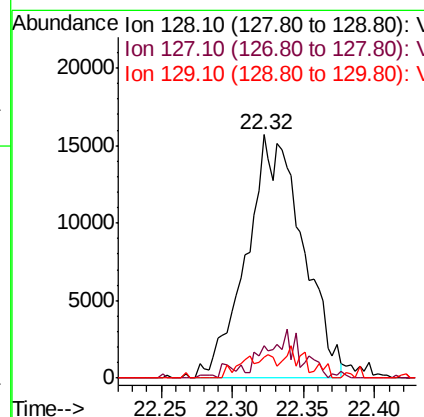
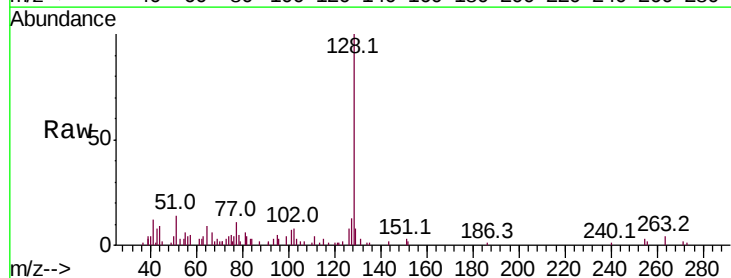
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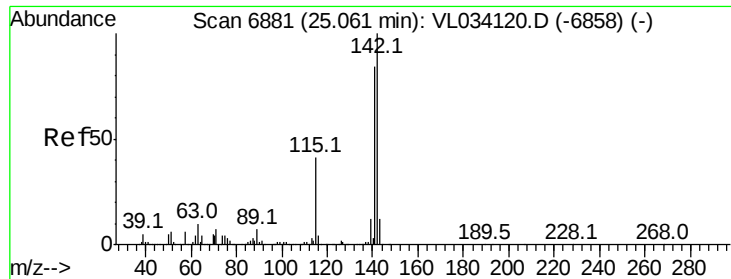
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#79
Naphthalene
Concen: 0.182 ppbv m
RT: 22.32 min Scan# 6029
Delta R.T. -0.01 min
Lab File: VL034132.D
Acq: 5 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	8.4	8.5	12.7#





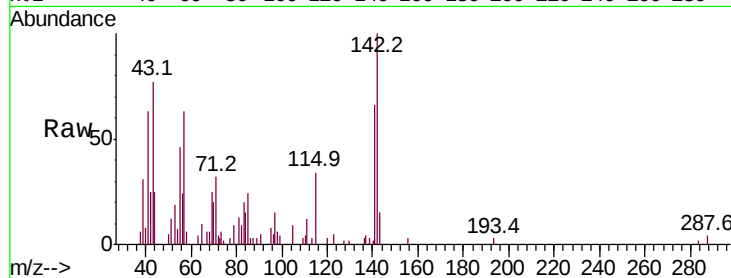
#80
 Naphthalene, 2-methyl-
 Concen: 0.157 ppbv
 RT: 25.06 min Scan# 6880
 Delta R.T. -0.00 min
 Lab File: VL034132.D
 Acq: 5 Sep 2019 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

Tot Ion	Ratio	Lower	Upper
142	100		
141	75.0	67.6	101.4
115	48.1	34.6	52.0

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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

