

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034243.D
 Acq On : 8 Oct 2019 4:58
 Operator : SY/AP
 Sample : K5222-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4

Manual Integrations
 APPROVED

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 10/11/2019 5:06:21 PM

Quant Time: Oct 09 04:35:33 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	948732	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1799187	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1808948	10.00	ppbv	-0.02

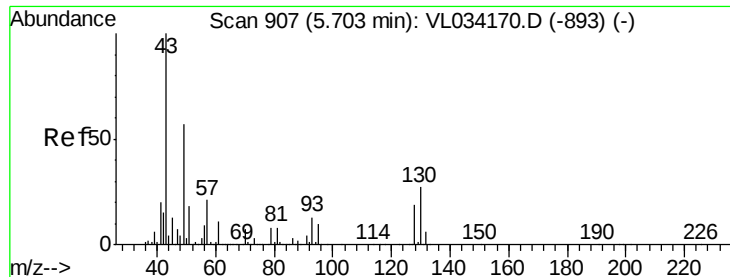
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1570462	9.99	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	93426	0.667	ppbv #	87
3) Chlorodifluoromethane	2.97	51	45072m	0.405	ppbv	
4) Chloromethane	3.12	50	36715	0.562	ppbv	97
5) Vinyl Chloride	3.24	62	6487	0.109	ppbv #	67
9) Propene	2.99	41	1073163	19.554	ppbv	97
10) Heptane	8.17	43	638586	4.465	ppbv	99
11) Trichlorofluoromethane	3.95	101	34464	0.270	ppbv	91
13) Ethanol	3.60	45	1715406	129.077	ppbv	98
15) Acetone	3.84	43	3709866	29.176	ppbv #	87
17) tert-Butyl alcohol	4.31	59	79508	0.987	ppbv #	71
19) Isopropyl Alcohol	3.98	45	111145	1.421	ppbv #	1
20) Methylene Chloride	4.35	84	126512	3.451	ppbv	94
26) Hexane	5.71	57	992941	9.927	ppbv #	42
29) Chloroform	5.78	83	42874m	0.300	ppbv	
30) Cyclohexane	7.17	84	318800	4.415	ppbv	94
31) cis-1,2-Dichloroethene	5.58	61	20898m	0.205	ppbv	
34) 2-Butanone	5.26	43	496676m	2.704	ppbv	
35) Carbon Tetrachloride	7.06	117	9452m	0.063	ppbv	
36) Benzene	6.93	78	1497499	7.536	ppbv	93
38) Trichloroethene	7.89	130	6029m	0.085	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	1160235	3.033	ppbv #	86
50) 4-Methyl-2-Pentanone	8.80	43	154064	0.576	ppbv	99
52) Tetrachloroethene	11.29	164	34482m	0.525	ppbv	
53) Toluene	9.86	91	4223905	19.450	ppbv	98
58) Ethyl Benzene	12.78	91	835662	2.863	ppbv	95
59) m/p-Xylene	13.03	91	2318346	9.590	ppbv	99
60) o-Xylene	13.76	91	877947	3.632	ppbv	99
61) Styrene	13.60	104	113810m	0.657	ppbv	
62) Isopropylbenzene	14.74	105	52709m	0.168	ppbv	
65) tert-Butylbenzene	16.84	119	106487m	0.389	ppbv	
70) n-Butylbenzene	18.64	91	83966m	0.228	ppbv	
72) 4-Ethyltoluene	15.91	105	329252	1.206	ppbv	96
73) 1,3,5-Trimethylbenzene	16.08	105	293895	1.114	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	1018097	3.634	ppbv #	70
79) Naphthalene	22.31	128	160992m	0.653	ppbv	
80) Naphthalene,2-methyl-	25.05	142	24115m	0.210	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampled :

V-4

Tgt Ion: 49 Resp: 948732
Ion Ratio Lower Upper

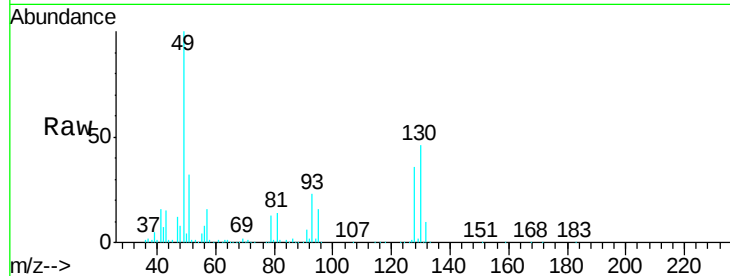
49 100

128 38.2 17.6 52.9

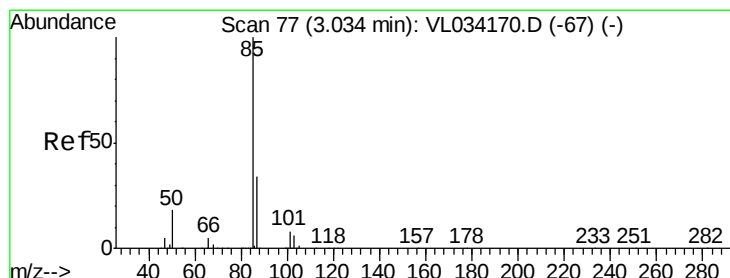
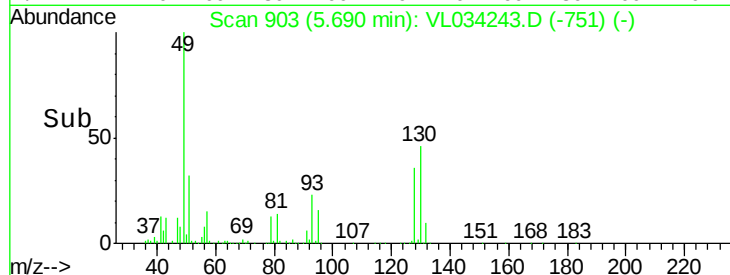
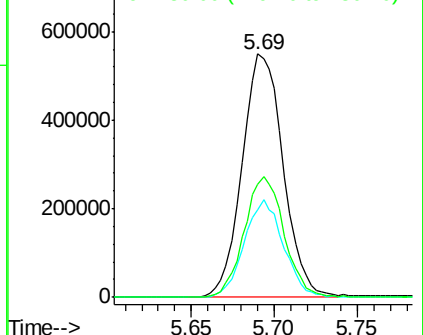
130 48.3 22.3 66.9

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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): VL0
Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.667 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

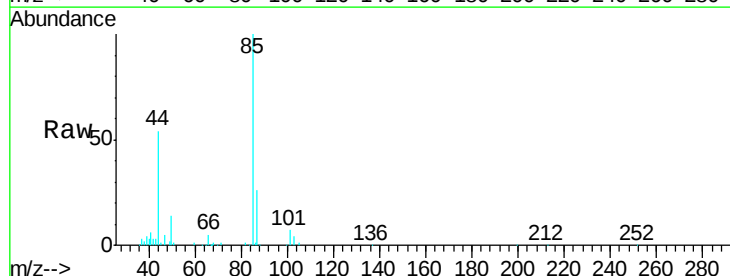
Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

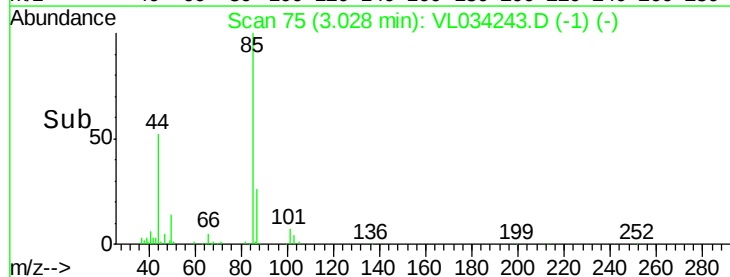
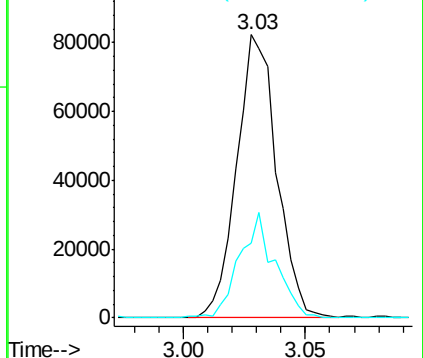
Tgt Ion: 85 Resp: 93426
Ion Ratio Lower Upper

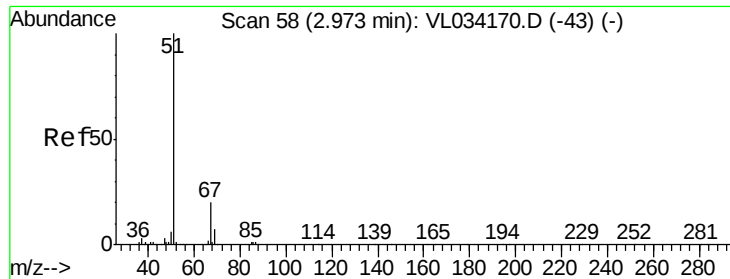
85 100

87 26.3 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.405 ppbv m

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampled :

V-4

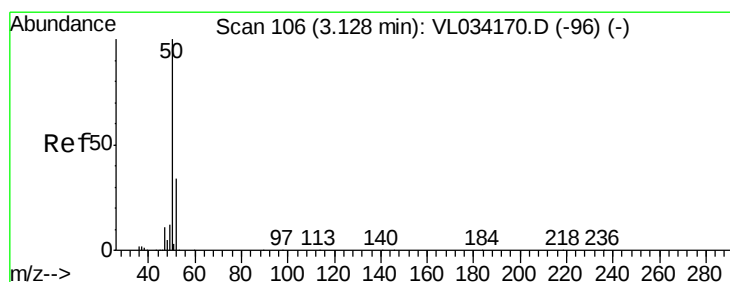
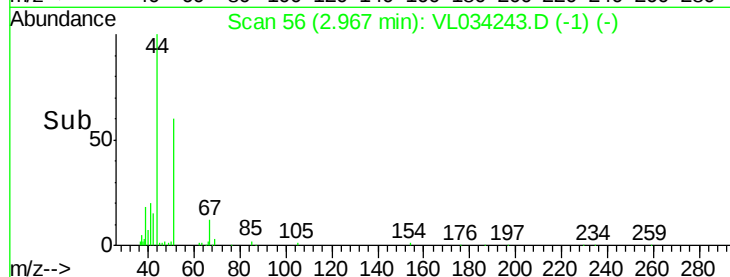
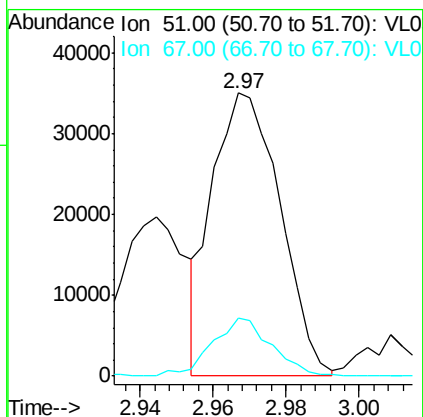
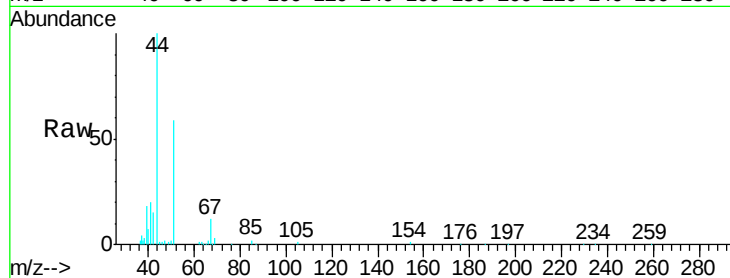
Tgt Ion: 51 Resp: 45072
Ion Ratio Lower Upper

51 100

67 7.0 14.8 22.2#

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#4

Chloromethane

Concen: 0.562 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

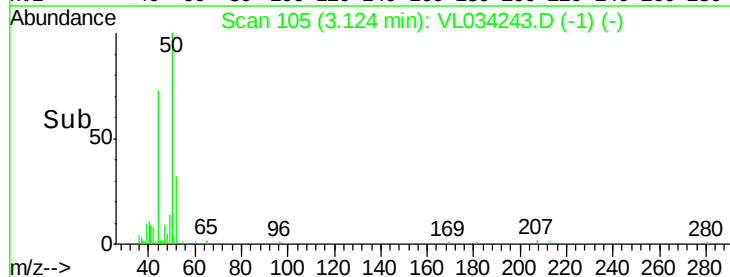
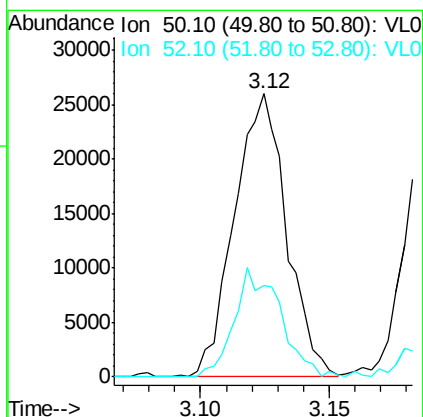
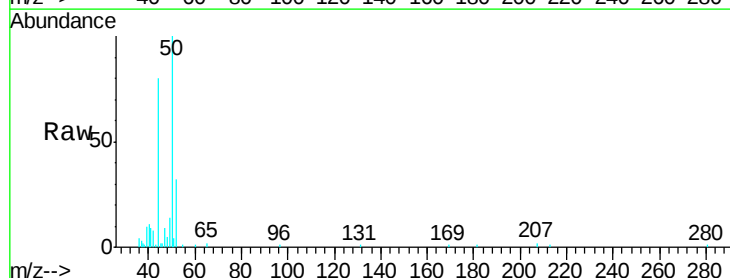
Lab File: VL034243.D

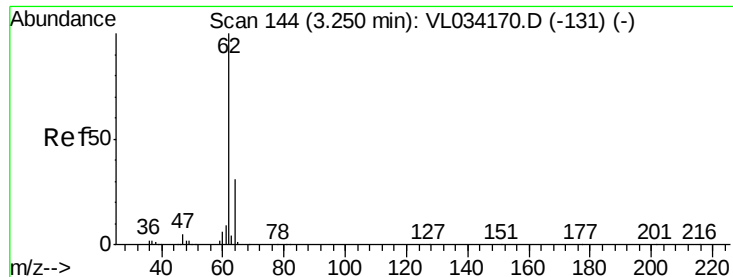
Acq: 8 Oct 2019 4:58

Tgt Ion: 50 Resp: 36715
Ion Ratio Lower Upper

50 100

52 32.3 27.1 40.7





#5

Vinyl Chloride

Concen: 0.109 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampleId :

V-4

Tgt Ion: 62 Resp: 6487

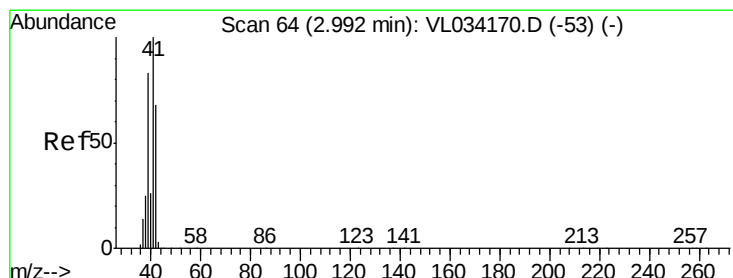
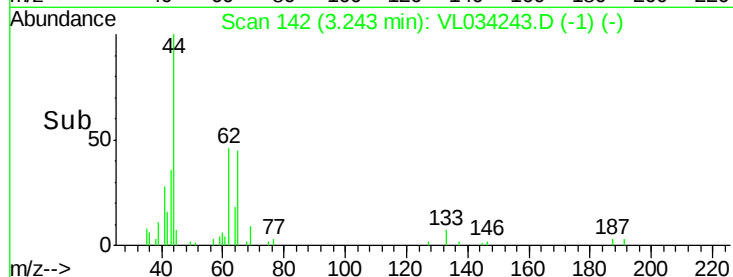
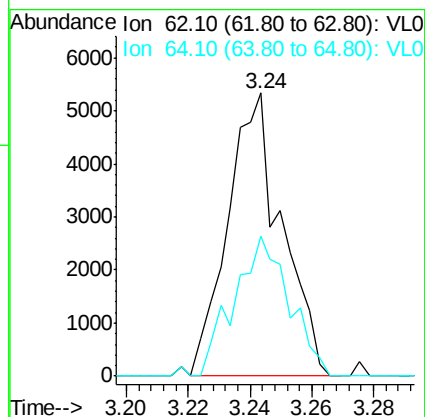
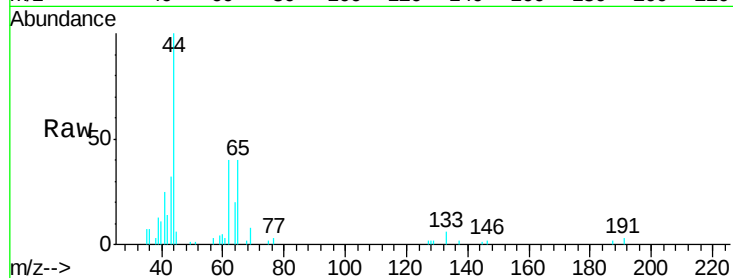
Ion Ratio Lower Upper

62 100

64 49.7 25.2 37.8#

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#9

Propene

Concen: 19.554 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034243.D

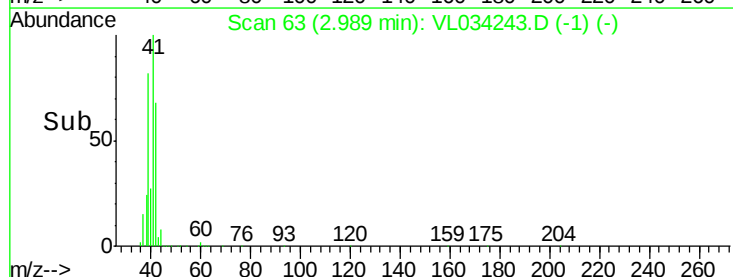
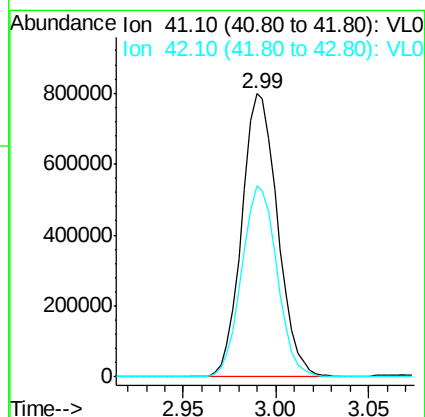
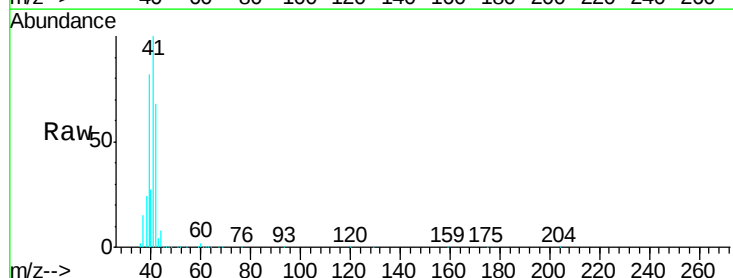
Acq: 8 Oct 2019 4:58

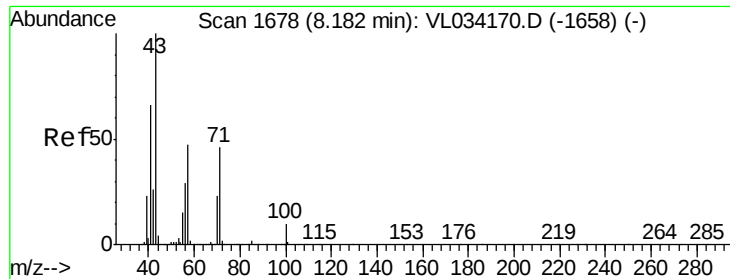
Tgt Ion: 41 Resp: 1073163

Ion Ratio Lower Upper

41 100

42 66.8 55.8 83.6





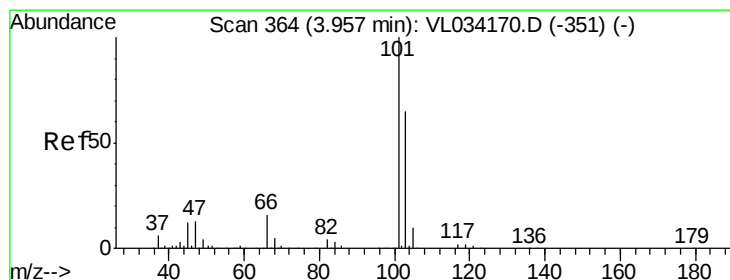
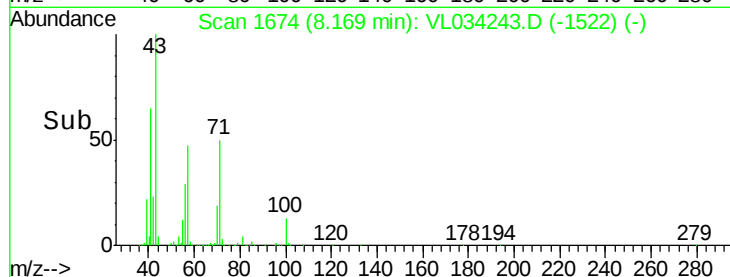
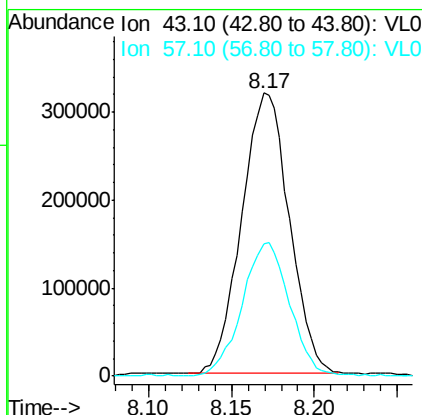
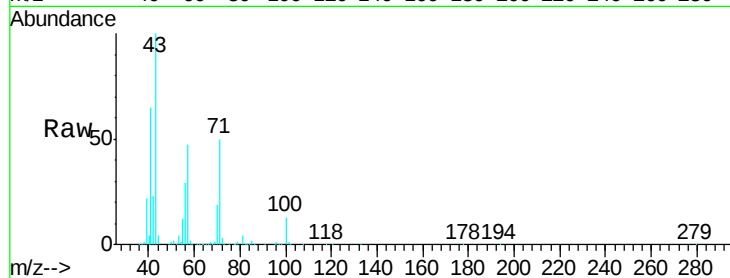
#10
Heptane
Concen: 4.465 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion: 43 Resp: 638586
Ion Ratio Lower Upper
43 100
57 47.3 37.5 56.3

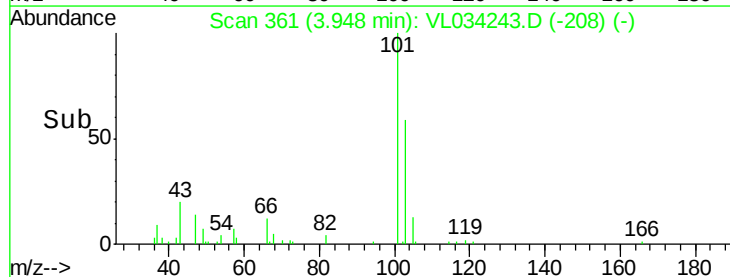
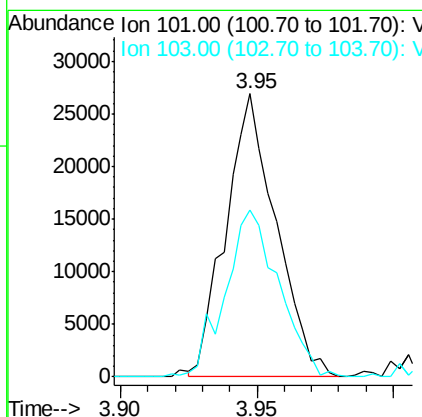
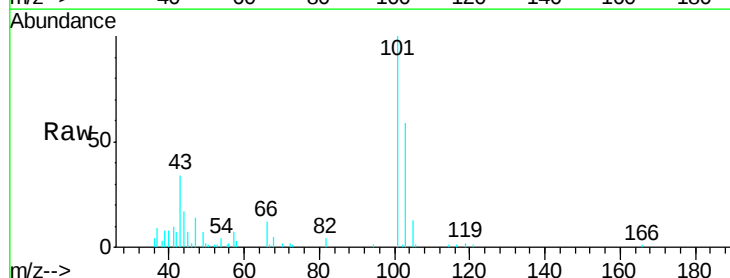
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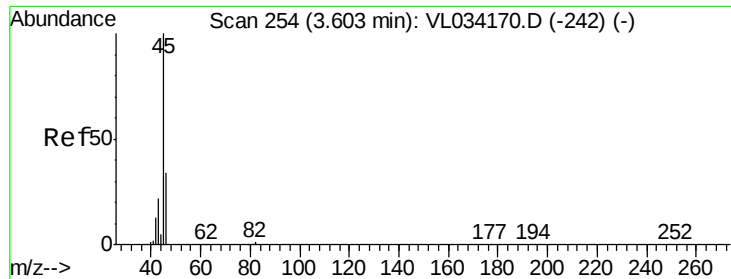
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#11
Trichlorofluoromethane
Concen: 0.270 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 101 Resp: 34464
Ion Ratio Lower Upper
101 100
103 58.1 52.1 78.1





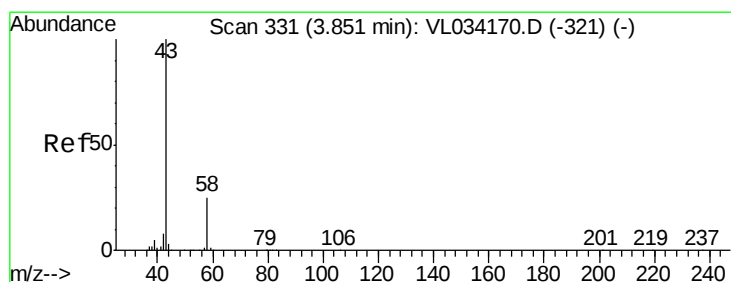
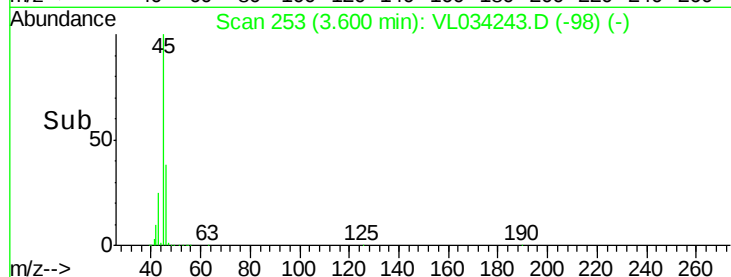
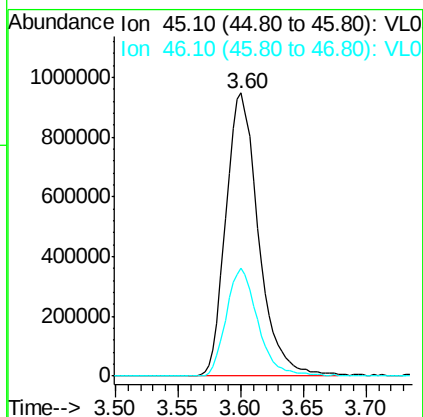
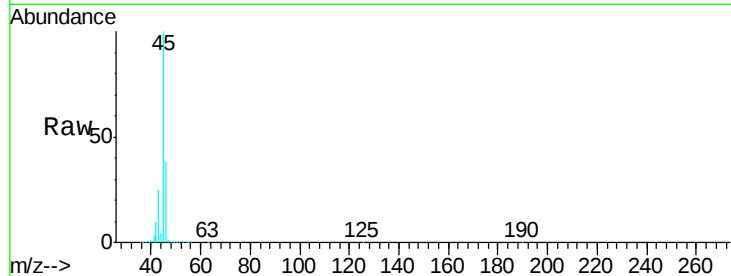
#13
Ethanol
Concen: 129.077 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion: 45 Resp: 1715406
Ion Ratio Lower Upper
45 100
46 37.3 15.5 61.9

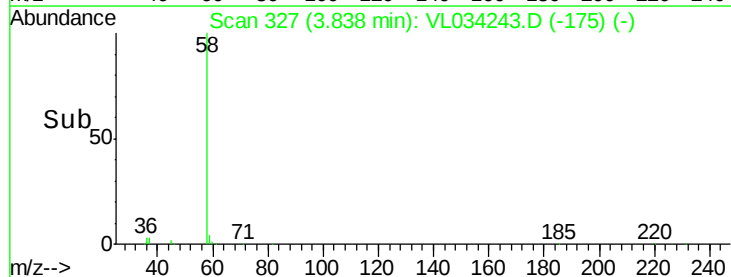
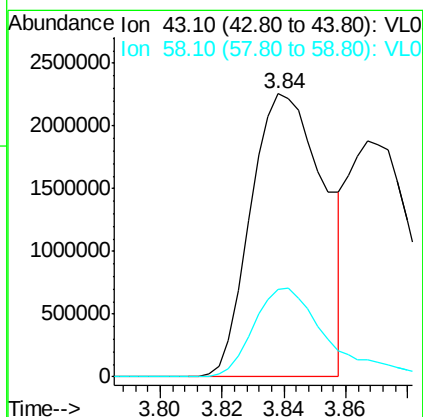
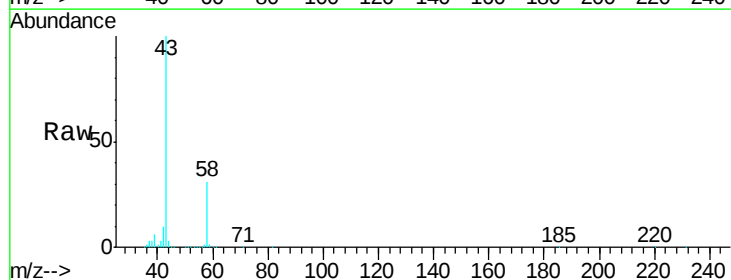
Manual Integrations
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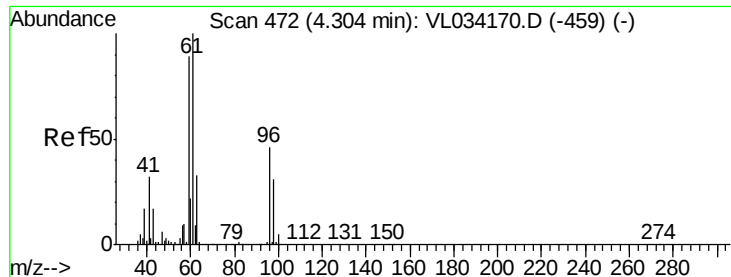
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#15
Acetone
Concen: 29.176 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 43 Resp: 3709866
Ion Ratio Lower Upper
43 100
58 32.0 20.5 30.7#





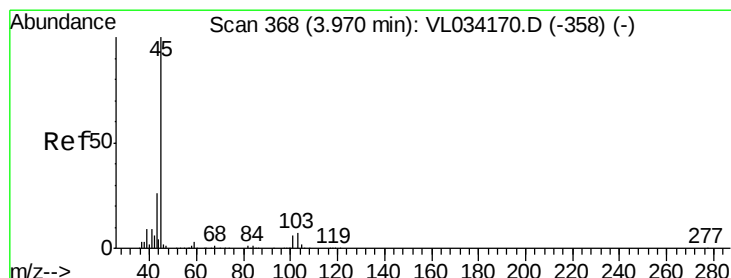
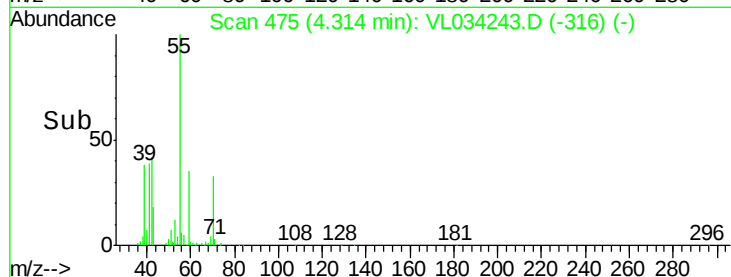
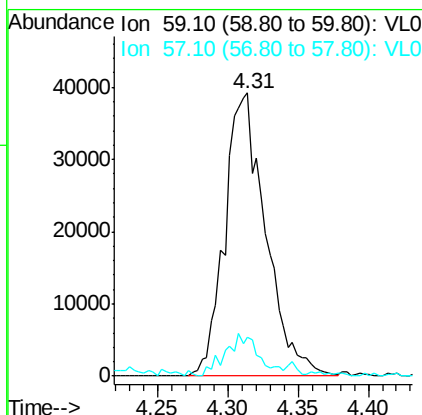
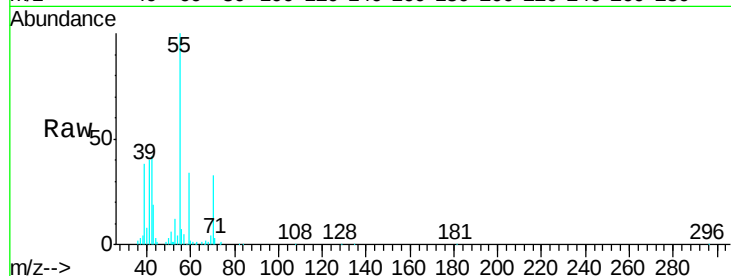
#17
tert-Butyl alcohol
Concen: 0.987 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion: 59 Resp: 79508
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

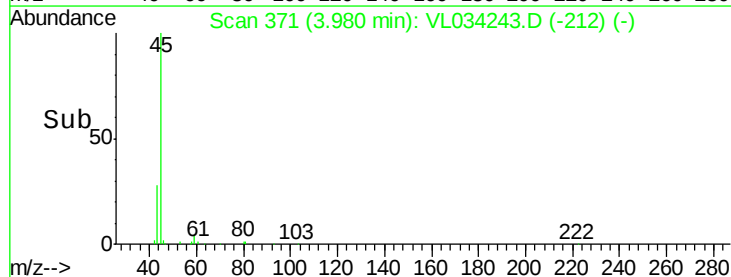
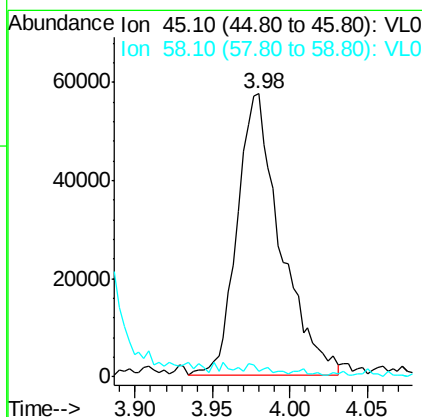
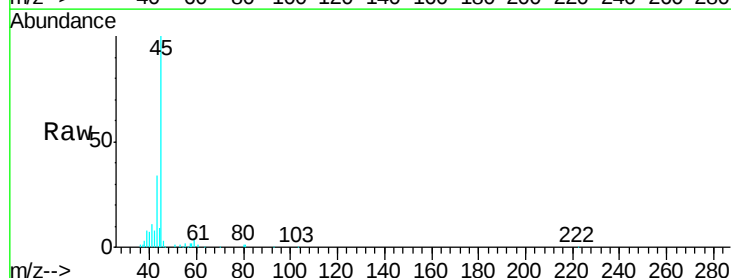
Manual Integrations
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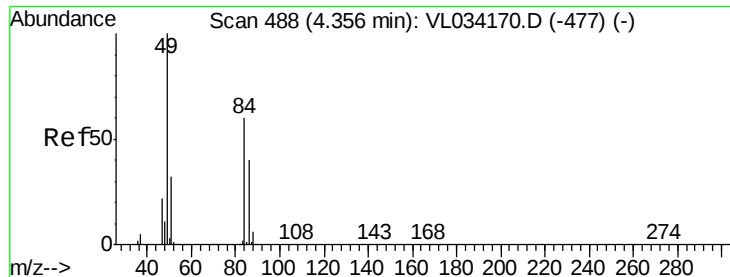
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#19
Isopropyl Alcohol
Concen: 1.421 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 45 Resp: 111145
Ion Ratio Lower Upper
45 100
58 1063.6 1.4 2.0#





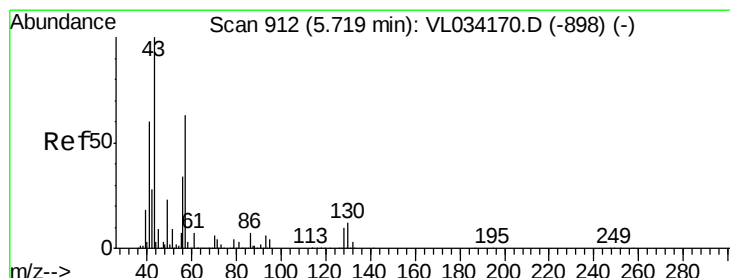
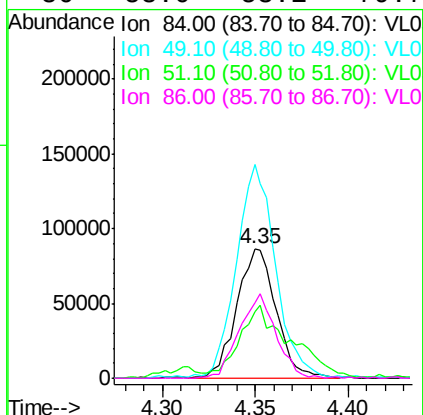
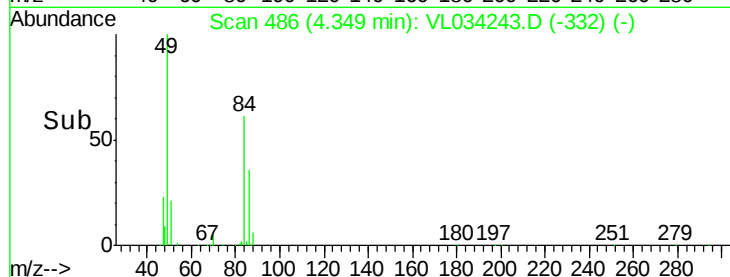
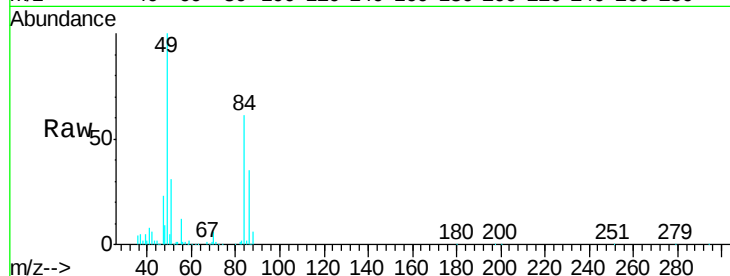
#20
Methylene Chloride
Concen: 3.451 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.2	133.8	200.8
51	46.6	43.6	65.4
86	58.0	53.1	79.7

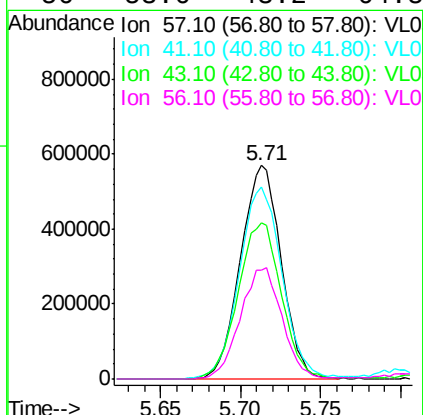
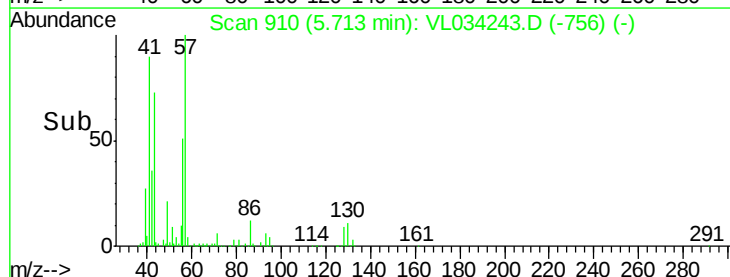
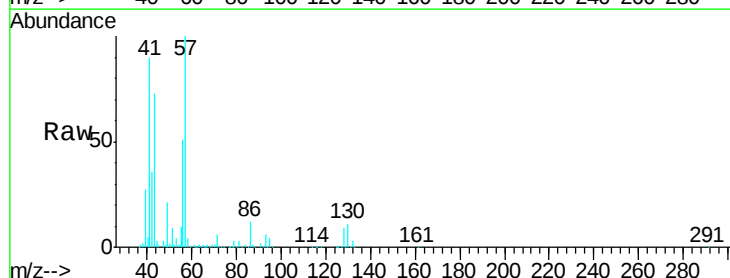
Manual Integrations
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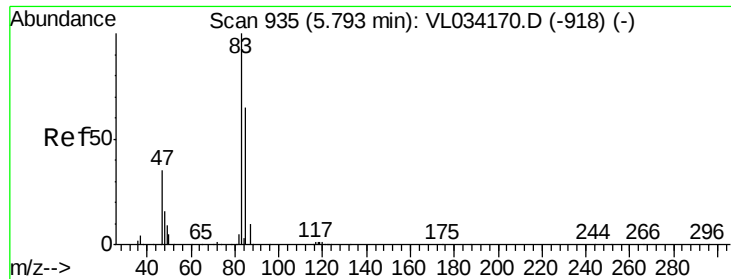
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#26
Hexane
Concen: 9.927 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.2	78.5	117.7
43	77.6	189.5	284.3#
56	53.6	43.2	64.8





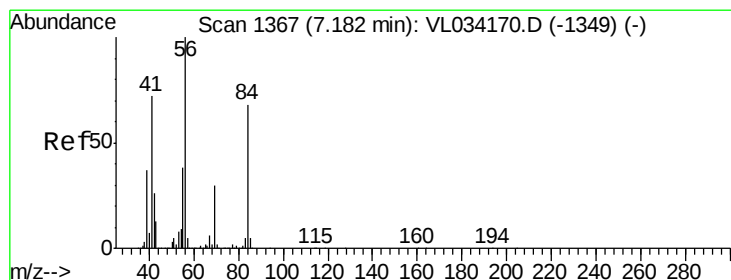
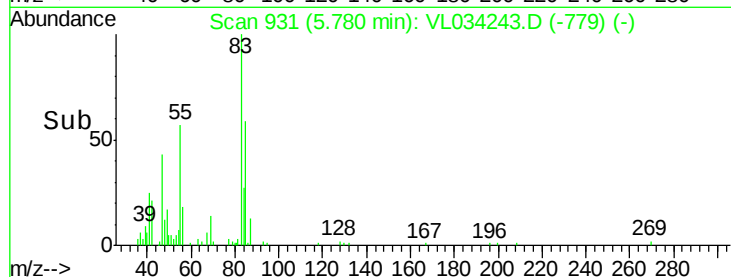
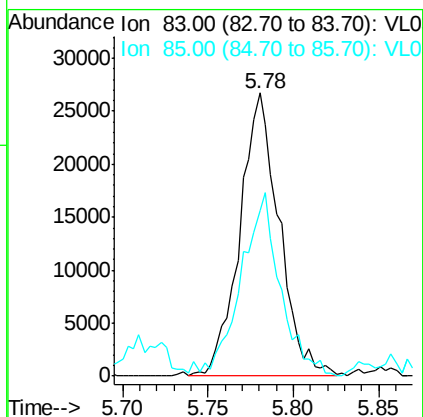
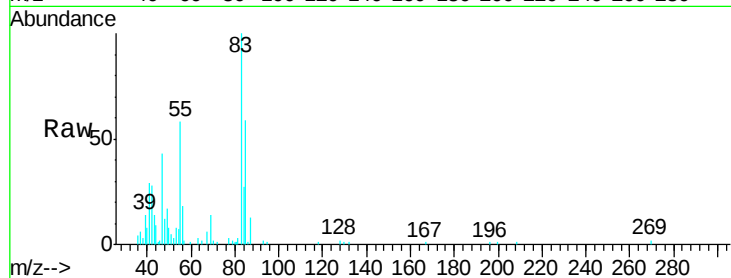
#29
Chloroform
Concen: 0.300 ppbv m
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion: 83 Resp: 42874
Ion Ratio Lower Upper
83 100
85 58.5 52.3 78.5

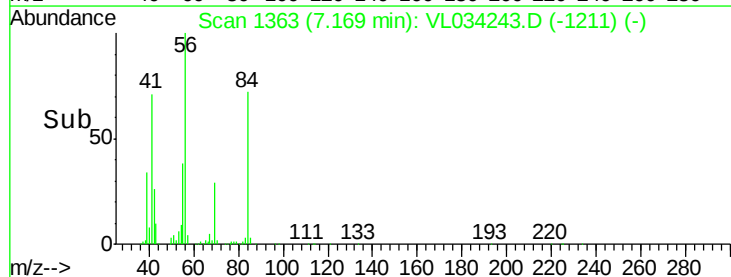
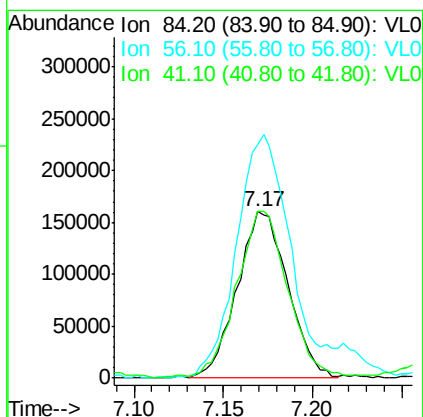
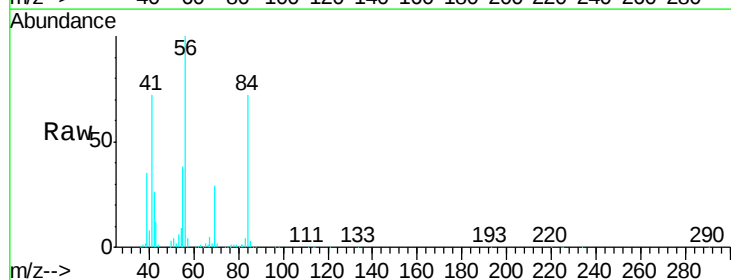
Manual Integrations
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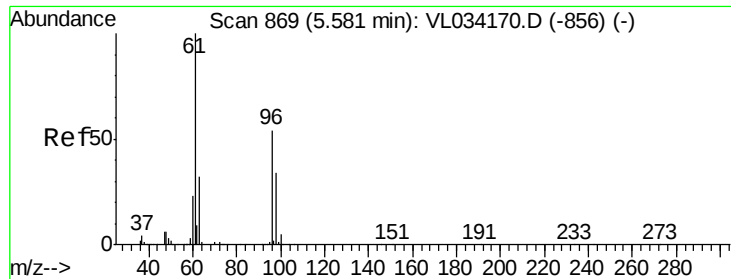
MMDadoda
10/11/2019 5:06:21 PM



#30
Cyclohexane
Concen: 4.415 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 84 Resp: 318800
Ion Ratio Lower Upper
84 100
56 166.0 126.2 189.2
41 100.8 85.8 128.8





#31

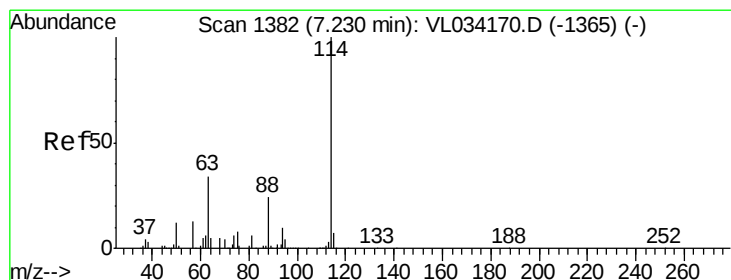
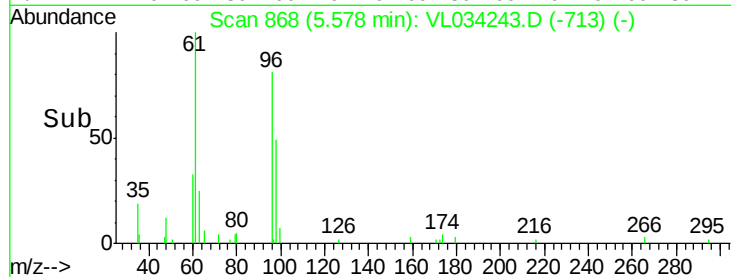
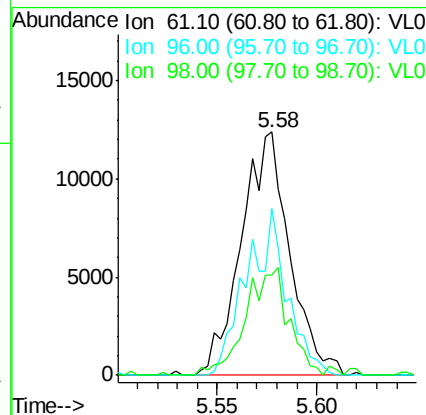
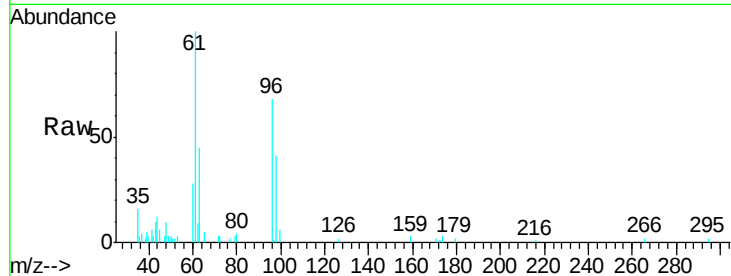
cis-1,2-Dichloroethene
Concen: 0.205 ppbv m
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.4	43.0	64.4#
98	40.9	27.2	40.8#

Manual Integrations
APPROVED

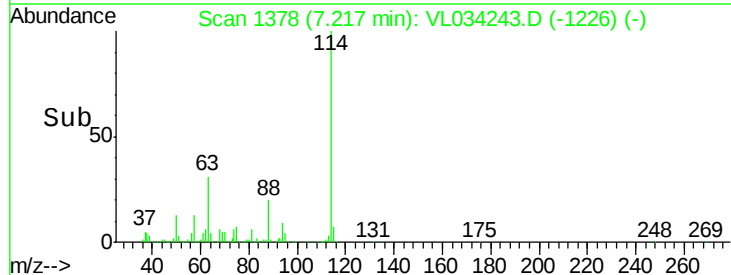
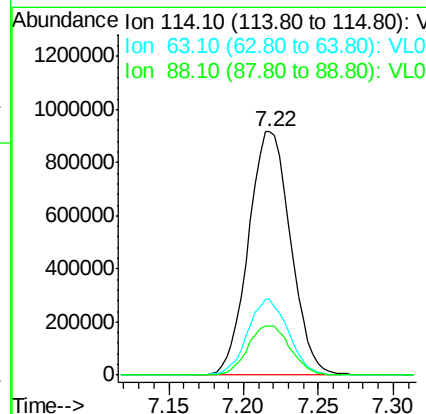
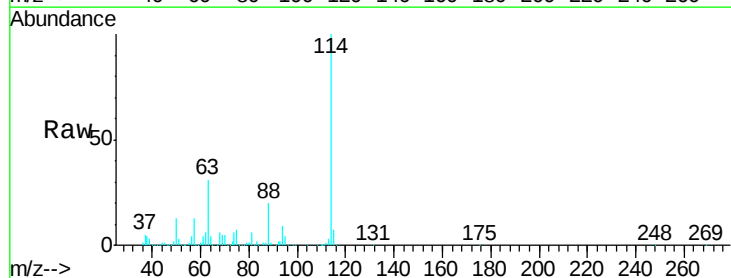
MMDadoda
10/11/2019 5:06:21 PM

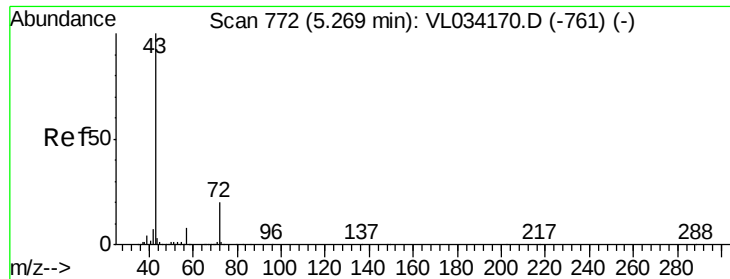


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	27.8	41.6
88	20.3	17.1	25.7





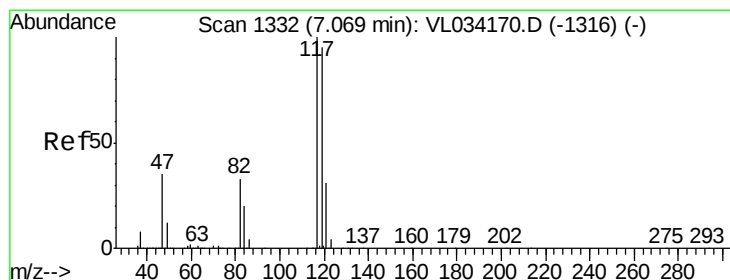
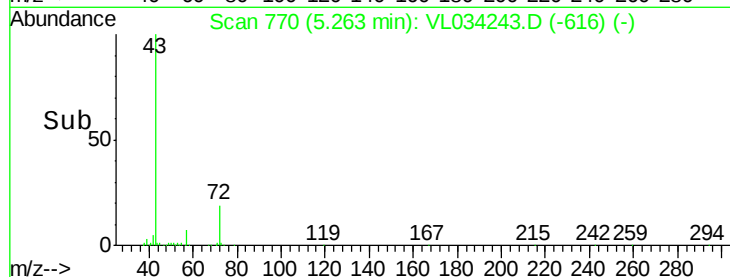
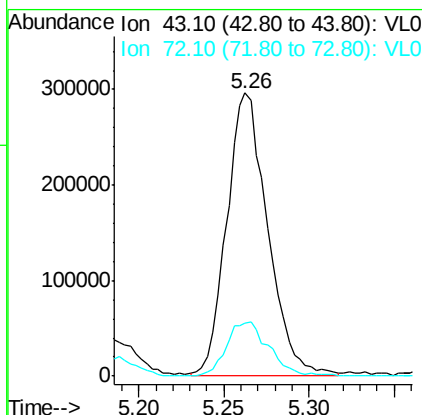
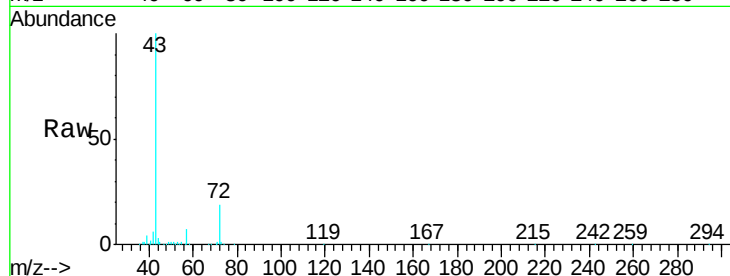
#34
2-Butanone
Concen: 2.704 ppbv m
RT: 5.26 min Scan# 770
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion: 43 Resp: 496676
Ion Ratio Lower Upper
43 100
72 0.0 15.0 22.6#

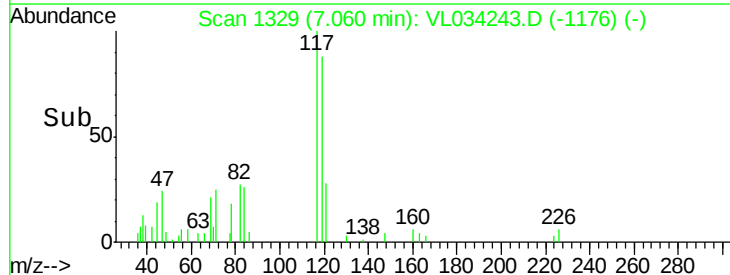
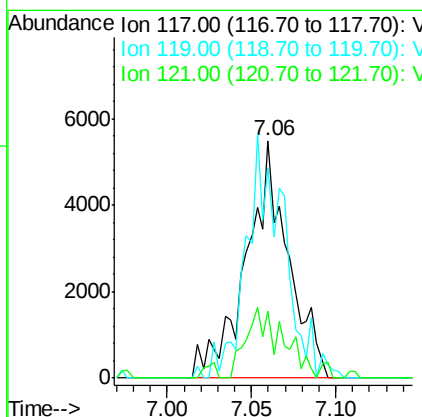
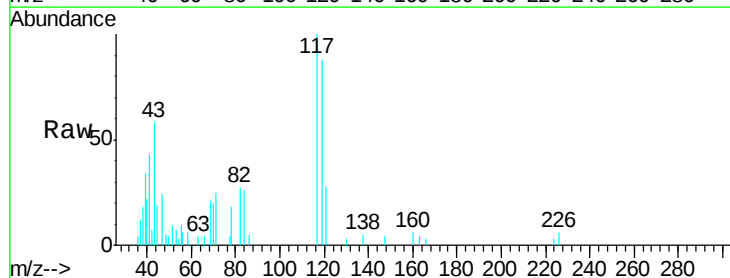
Manual Integrations
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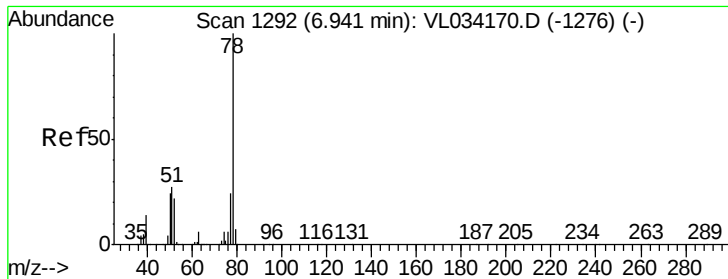
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#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 117 Resp: 9452
Ion Ratio Lower Upper
117 100
119 88.3 75.8 113.6
121 28.4 25.0 37.6





#36

Benzene

Concen: 7.536 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampleId :

V-4

Tgt Ion: 78 Resp: 1497499

Ion Ratio Lower Upper

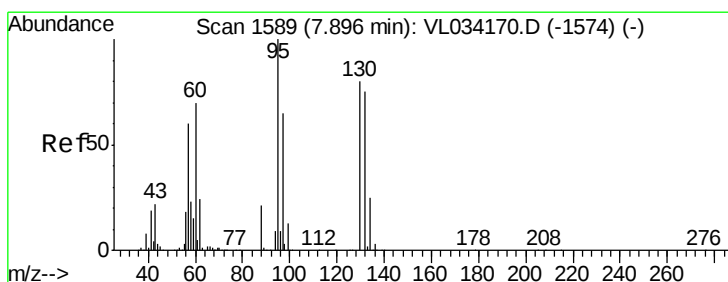
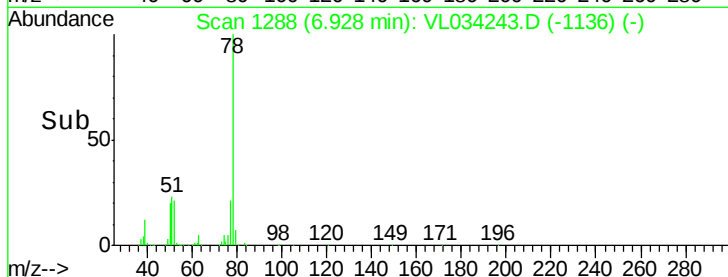
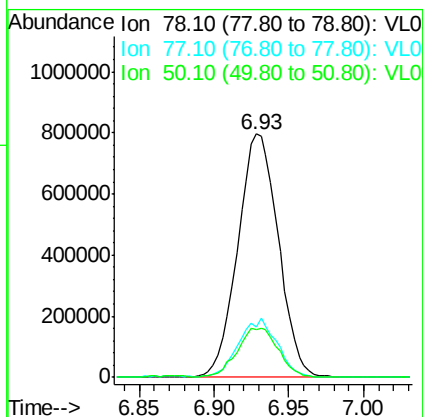
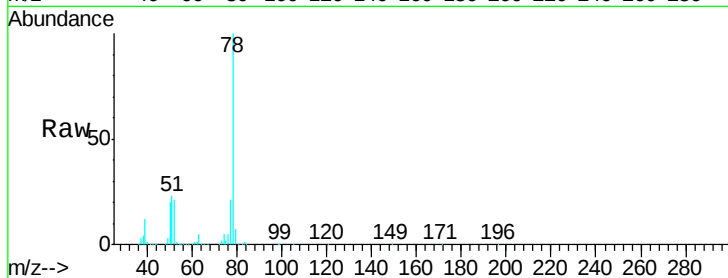
78 100

77 20.8 19.0 28.4

50 19.6 18.9 28.3

Manual Integrations
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#38

Trichloroethene

Concen: 0.085 ppbv m

RT: 7.89 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Tgt Ion: 130 Resp: 6029

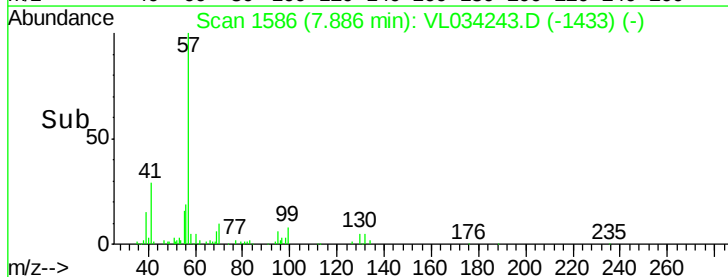
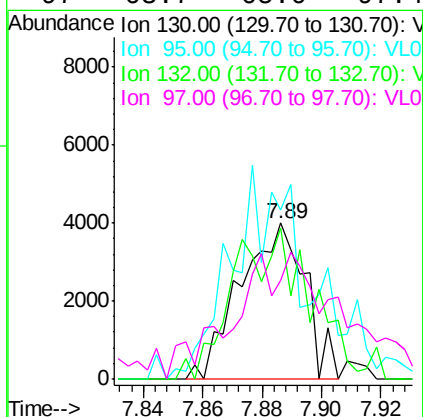
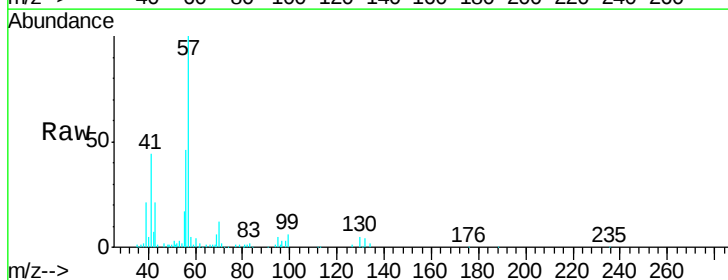
Ion Ratio Lower Upper

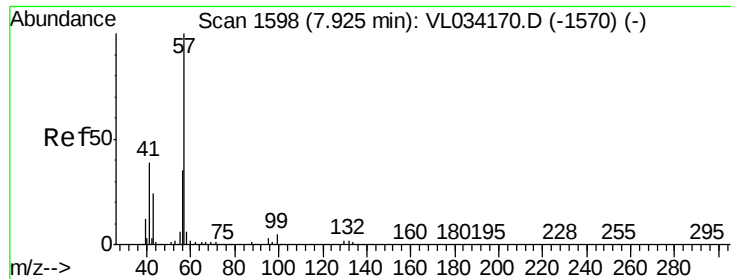
130 100

95 108.2 99.8 149.6

132 96.7 75.2 112.8

97 63.7 65.0 97.4#





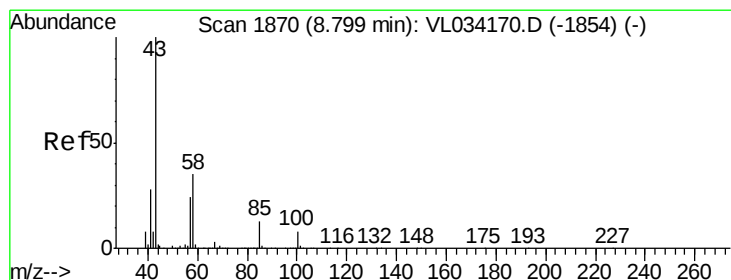
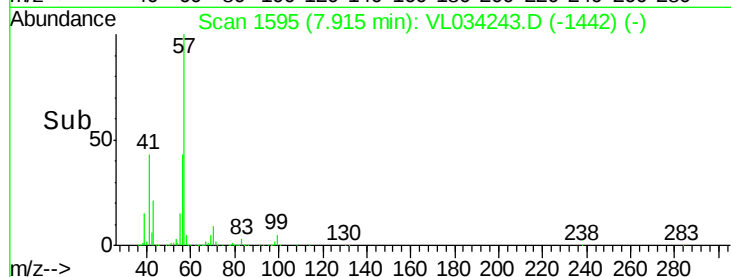
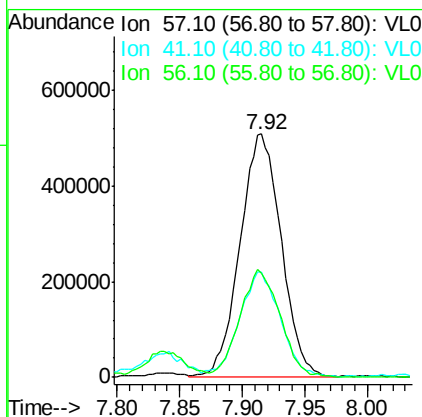
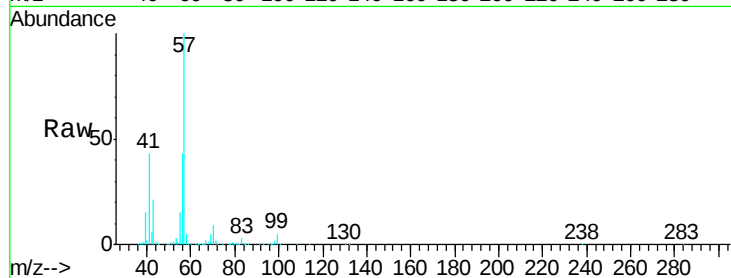
#44
 2,2,4-Trimethylpentane
 Concen: 3.033 ppbv
 RT: 7.92 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: VL034243.D
 Acq: 8 Oct 2019 4:58

Instrument :
 MSVOA_L
 ClientSampled :
 V-4

Tgt Ion: 57 Resp: 1160235
 Ion Ratio Lower Upper
 57 100
 41 42.9 29.8 44.6
 56 43.7 25.9 38.9#

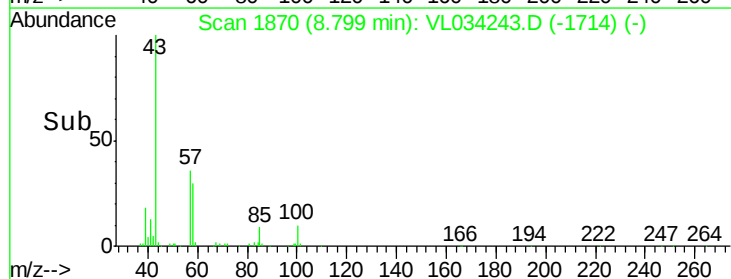
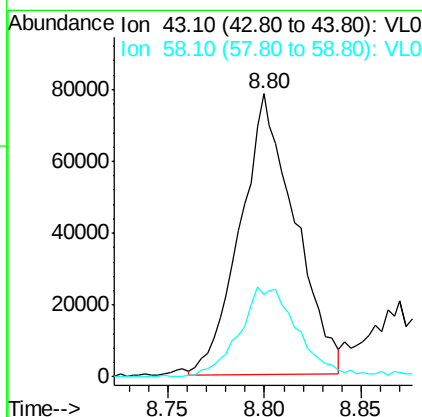
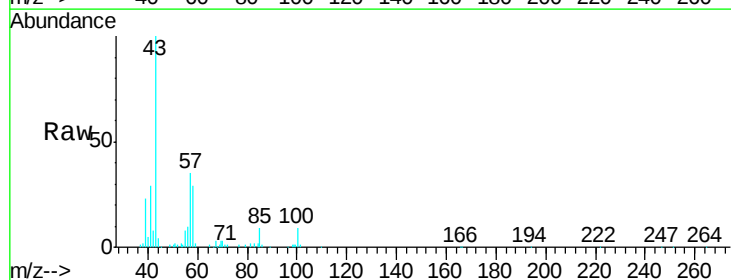
Manual Integrations
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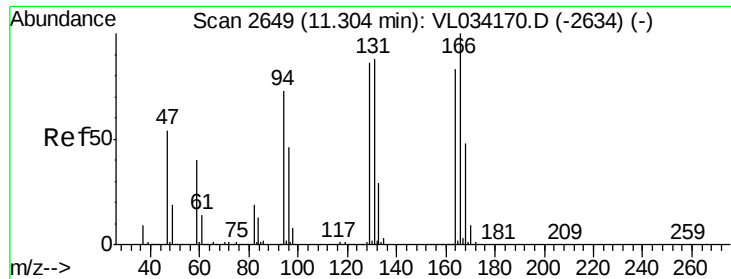
MMDadoda
 10/11/2019 5:06:21 PM



#50
 4-Methyl-2-Pentanone
 Concen: 0.576 ppbv
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VL034243.D
 Acq: 8 Oct 2019 4:58

Tgt Ion: 43 Resp: 154064
 Ion Ratio Lower Upper
 43 100
 58 35.2 27.6 41.4





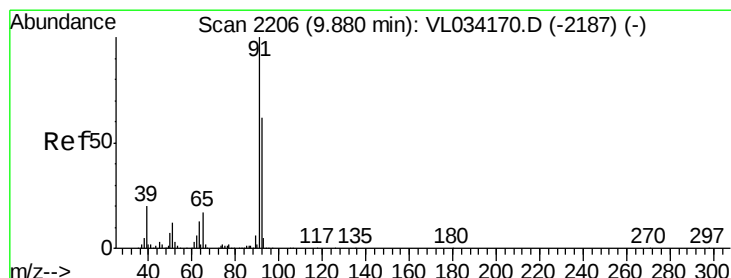
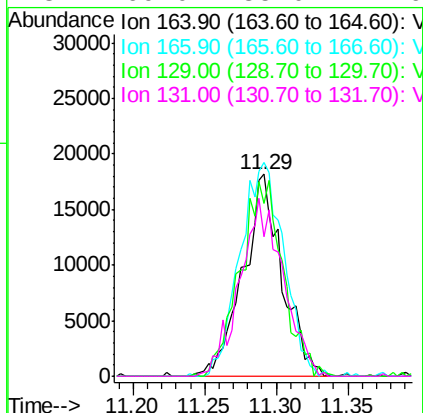
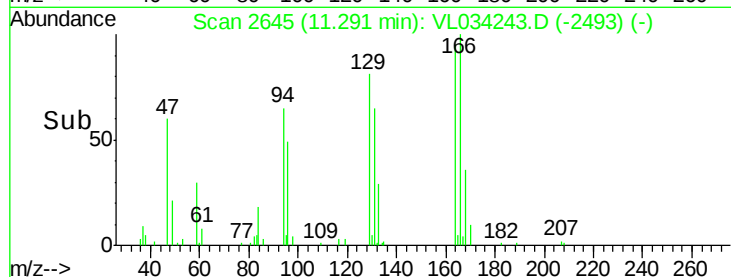
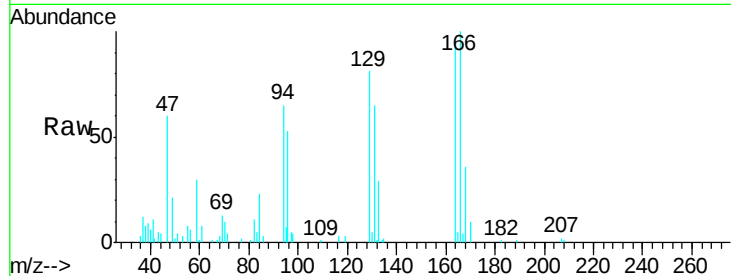
#52
Tetrachloroethene
Concen: 0.525 ppbv m
RT: 11.29 min Scan# 2645
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.7	96.7	145.1
129	85.8	82.8	124.2
131	69.0	85.0	127.6

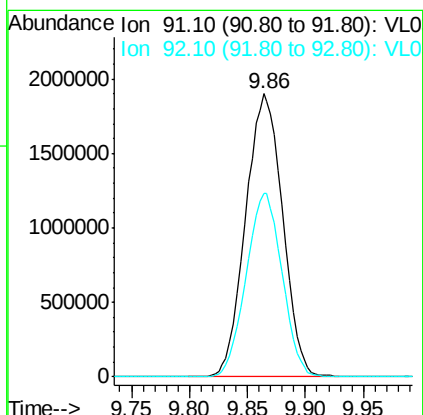
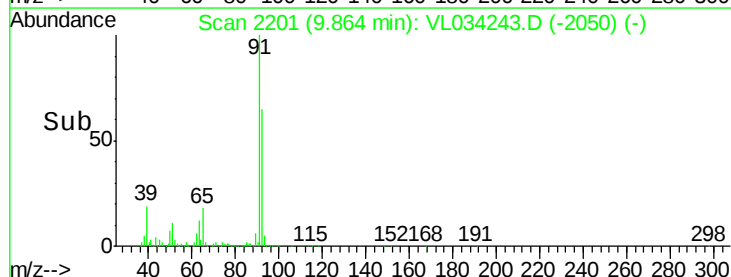
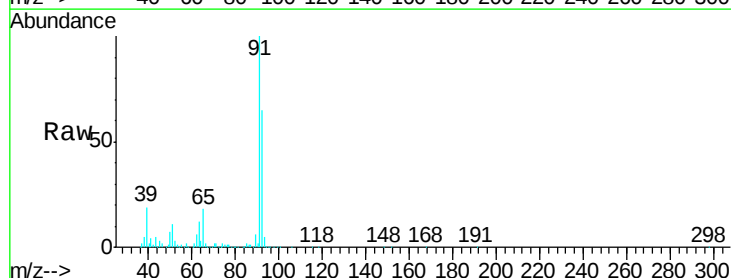
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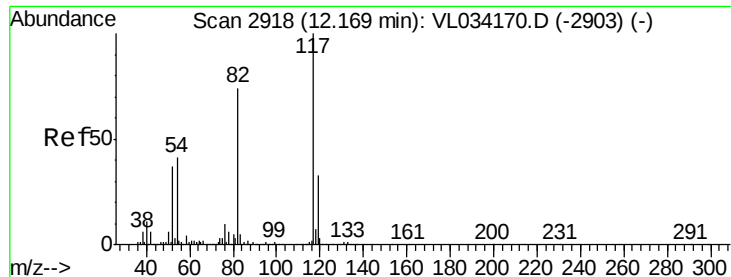
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#53
Toluene
Concen: 19.450 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.1	49.0	73.6





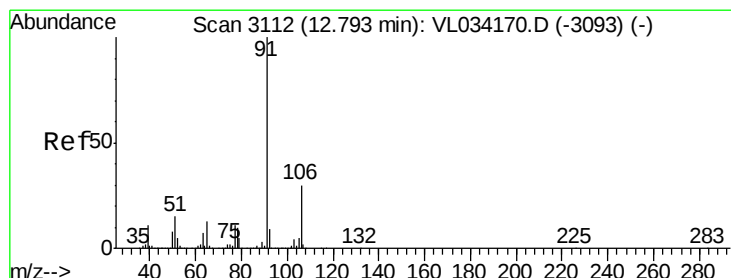
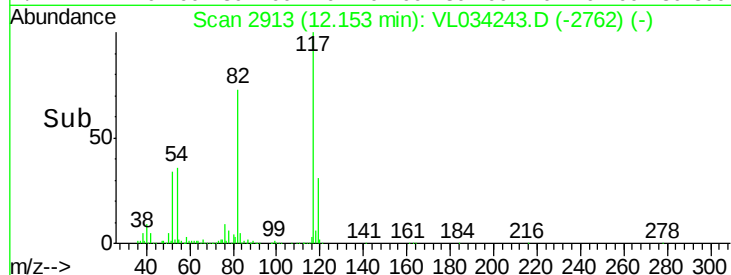
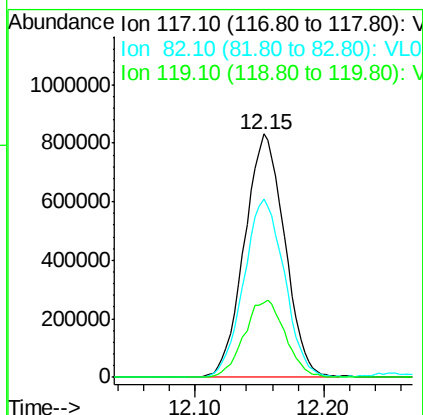
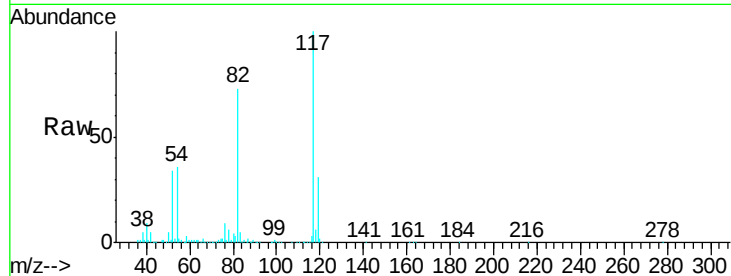
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion: 117 Resp: 1808948
Ion Ratio Lower Upper
117 100
82 73.9 58.2 87.4
119 32.4 23.7 35.5

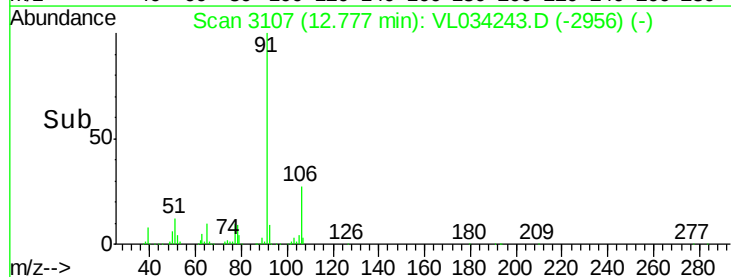
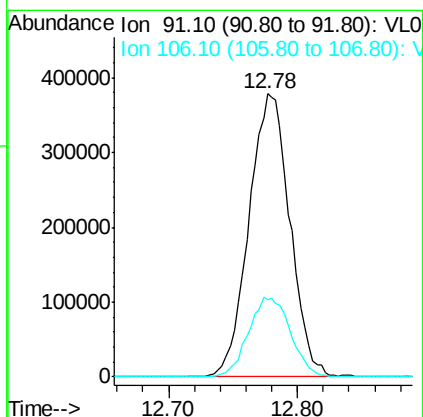
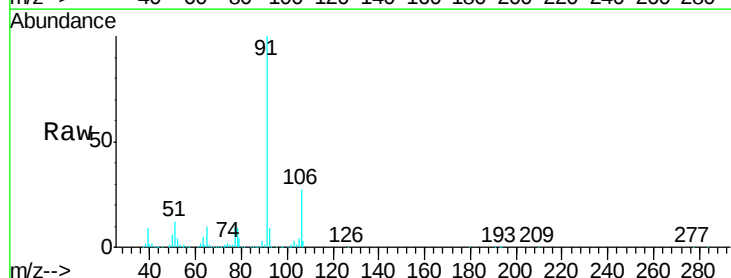
Manual Integrations
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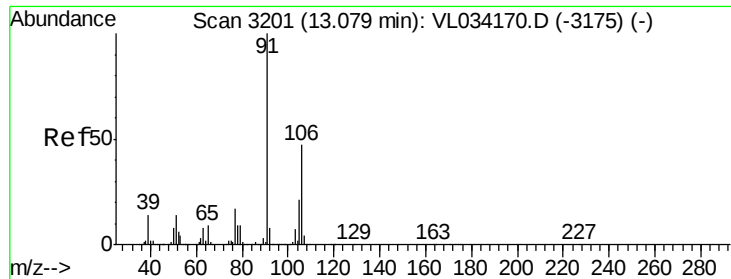
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#58
Ethyl Benzene
Concen: 2.863 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 91 Resp: 835662
Ion Ratio Lower Upper
91 100
106 27.4 24.2 36.4





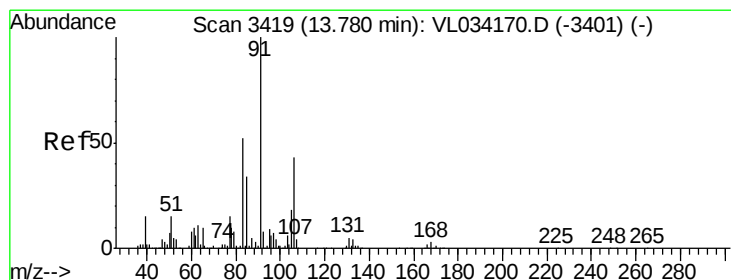
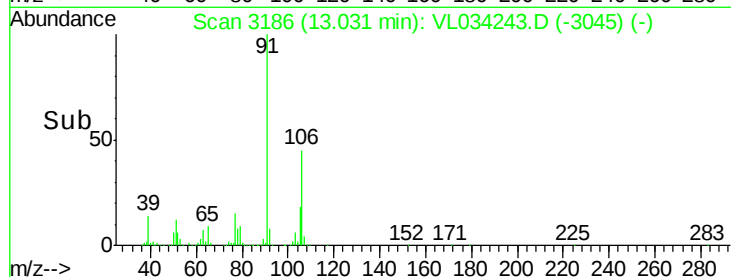
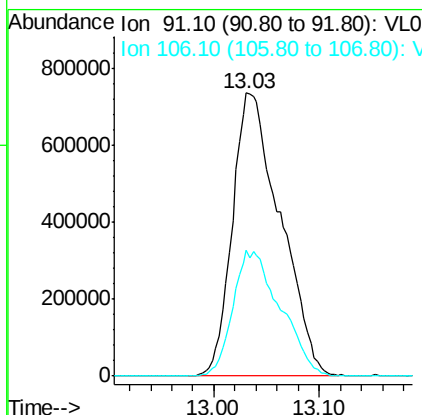
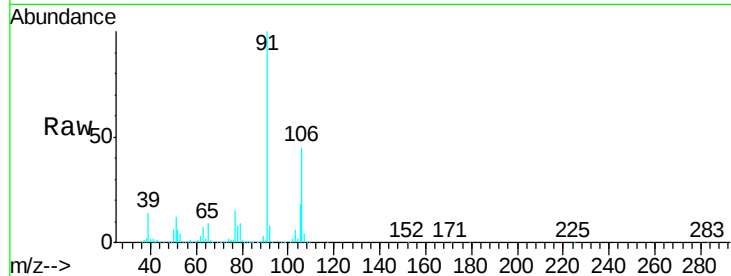
#59
m/p-Xylene
Concen: 9.590 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.05 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion: 91 Resp: 2318346
Ion Ratio Lower Upper
91 100
106 43.7 35.5 53.3

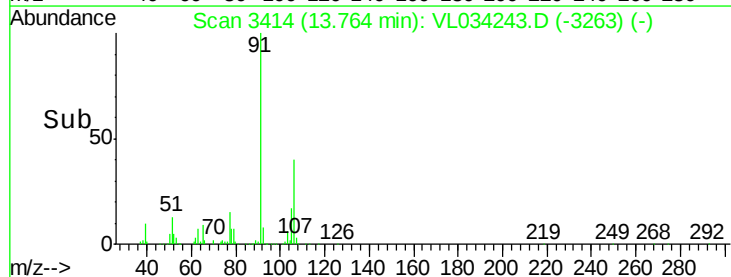
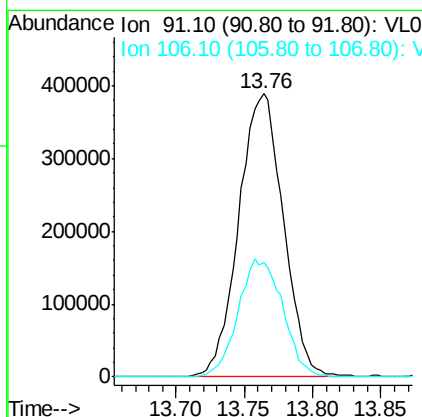
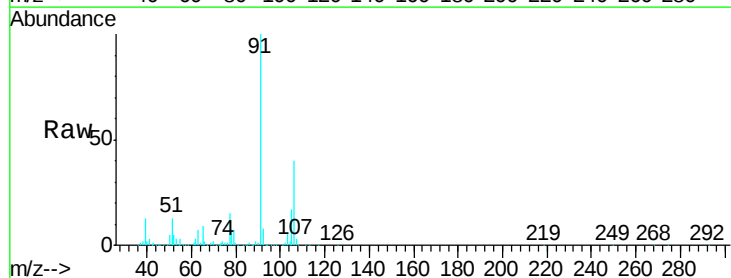
Manual Integrations
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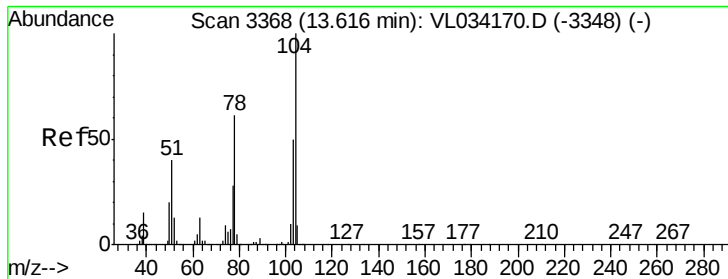
MMDadoda
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#60
o-Xylene
Concen: 3.632 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion: 91 Resp: 877947
Ion Ratio Lower Upper
91 100
106 41.8 21.2 63.6





#61

Styrene

Concen: 0.657 ppbv m

RT: 13.60 min Scan# 3363

Delta R.T. -0.02 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampled :

V-4

Tgt Ion:104 Resp: 113810
Ion Ratio Lower Upper

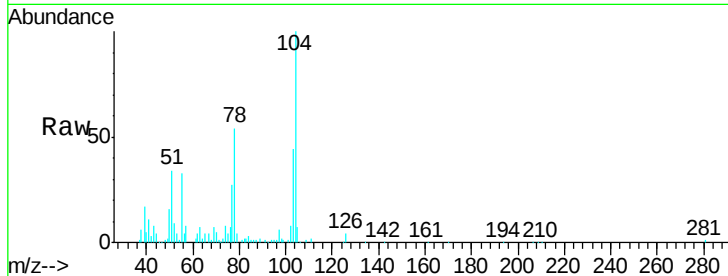
104 100

78 0.0 49.7 74.5#

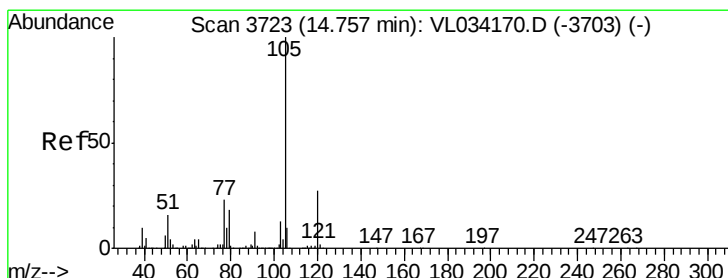
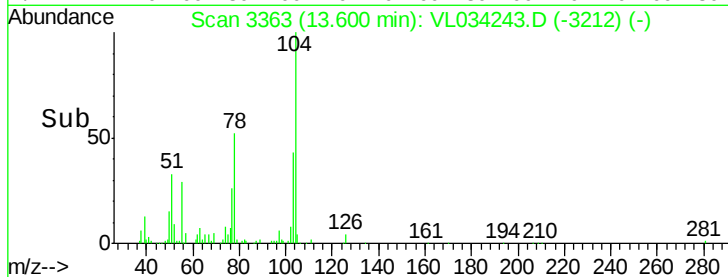
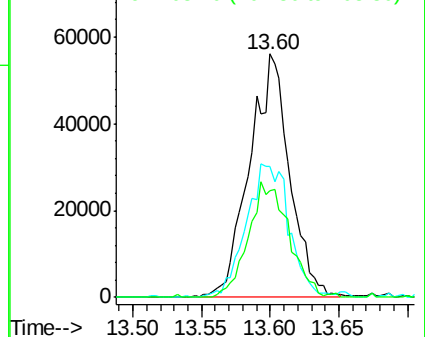
103 0.0 38.4 57.6#

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.168 ppbv m

RT: 14.74 min Scan# 3719

Delta R.T. -0.01 min

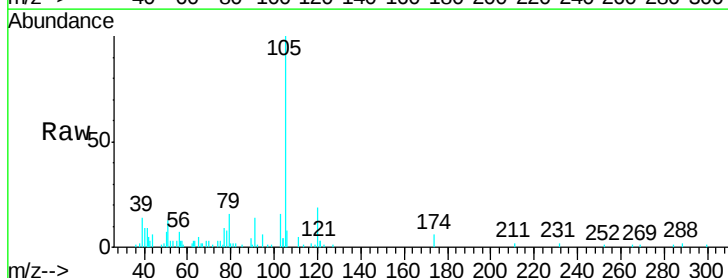
Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

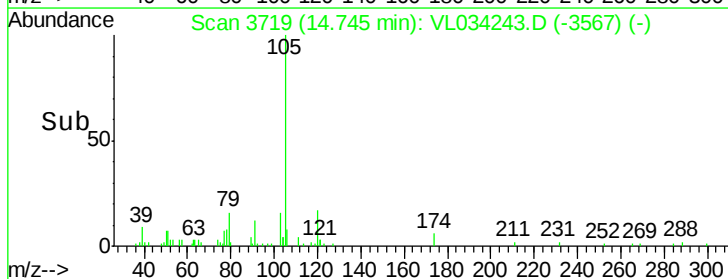
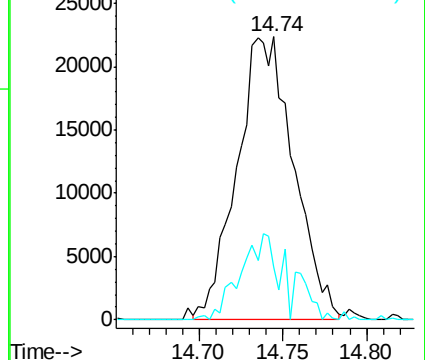
Tgt Ion:105 Resp: 52709
Ion Ratio Lower Upper

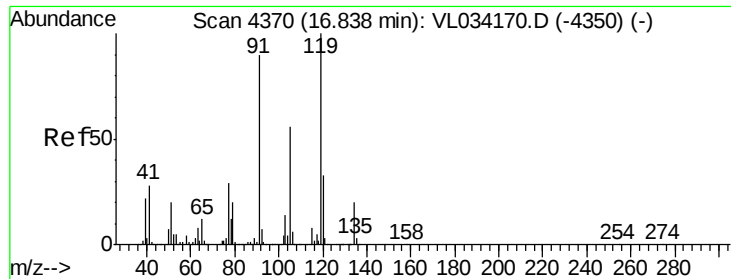
105 100

120 25.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





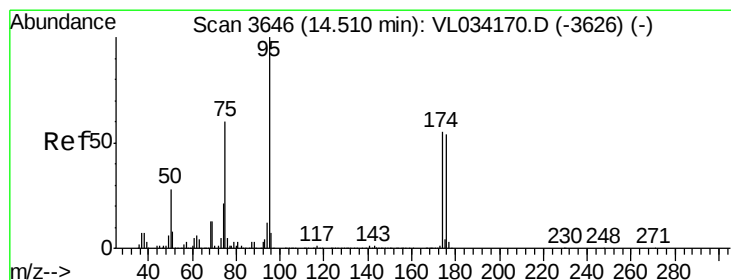
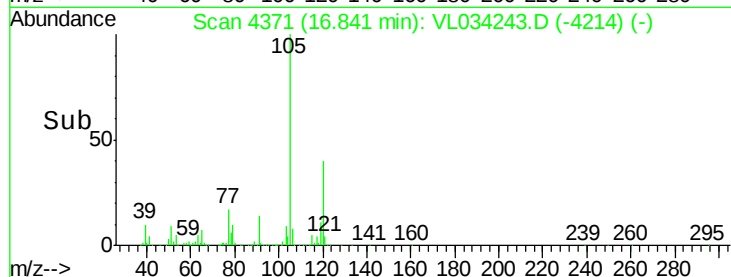
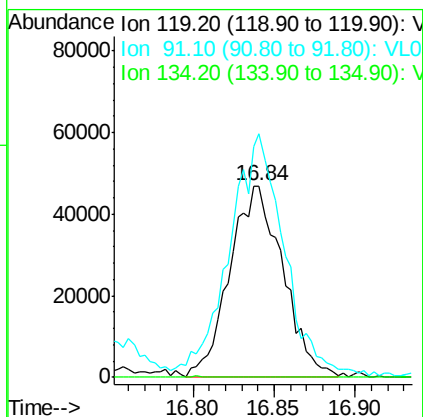
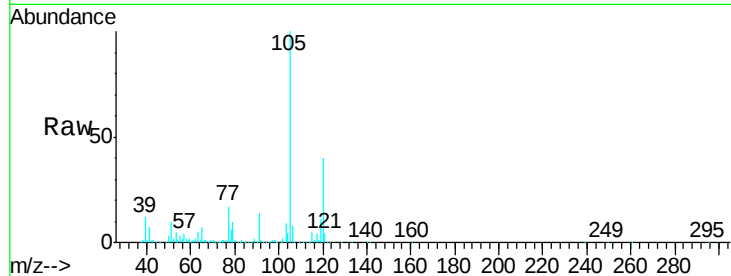
#65
 tert-Butylbenzene
 Concen: 0.389 ppbv m
 RT: 16.84 min Scan# 4371
 Delta R.T. 0.00 min
 Lab File: VL034243.D
 Acq: 8 Oct 2019 4:58

Instrument :
 MSVOA_L
 ClientSampled :
 V-4

Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	74.9	112.3#
134	0.0	15.8	23.6#

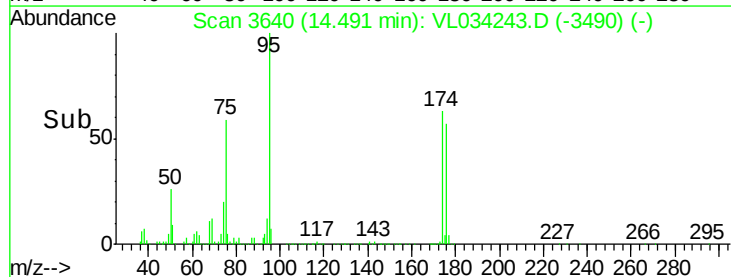
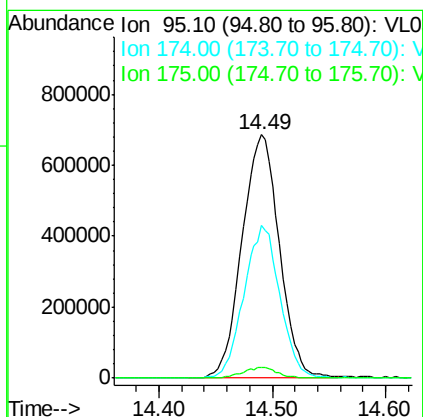
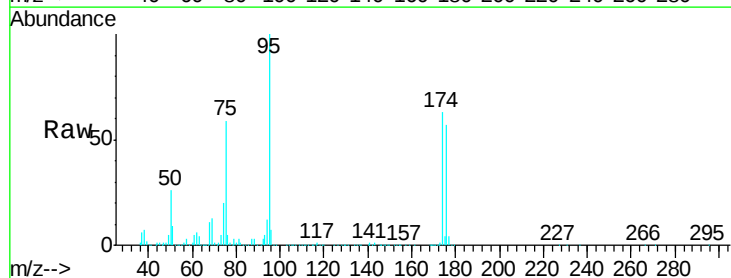
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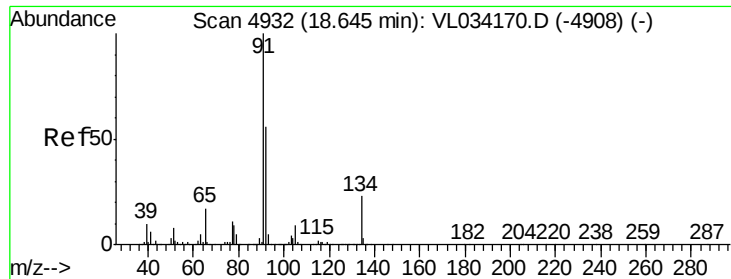
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.991 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.02 min
 Lab File: VL034243.D
 Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	60.6	45.1	67.7
175	4.2	3.3	4.9





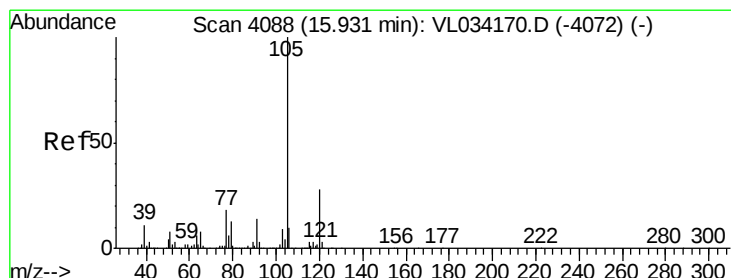
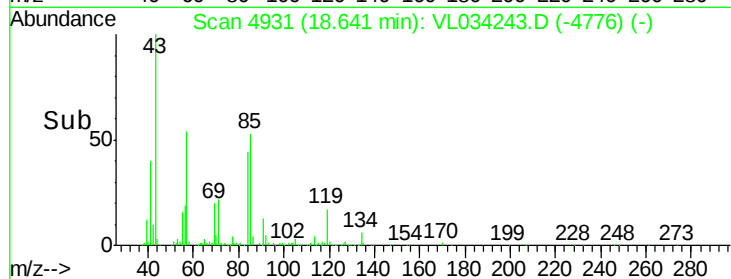
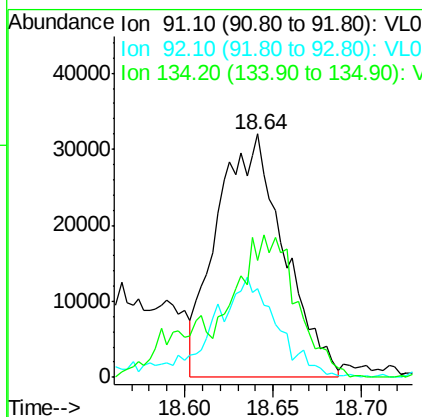
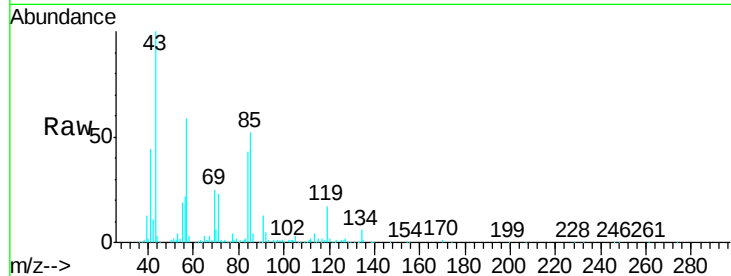
#70
n-Butylbenzene
Concen: 0.228 ppbv m
RT: 18.64 min Scan# 4931
Delta R.T. -0.00 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.8	67.2#
134	0.0	17.3	25.9#

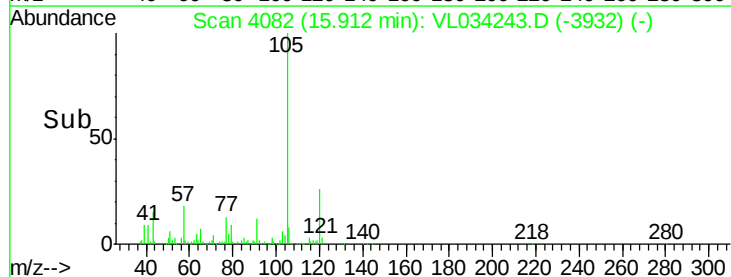
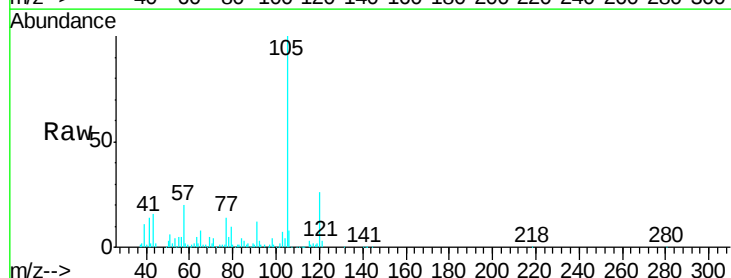
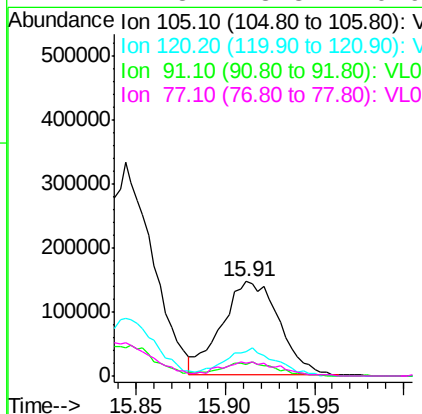
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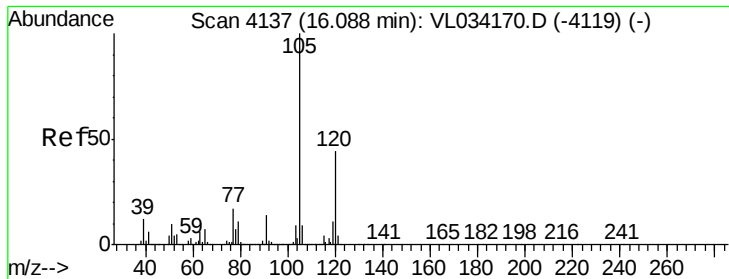
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#72
4-Ethyltoluene
Concen: 1.206 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	23.3	34.9
91	13.2	11.4	17.2
77	14.8	13.3	19.9





#73

1,3,5-Trimethylbenzene

Concen: 1.114 ppbv

RT: 16.08 min Scan# 4133

Delta R.T. -0.01 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Instrument :

MSVOA_L

ClientSampled :

V-4

Tgt Ion:105 Resp: 293895

Ion Ratio Lower Upper

105 100

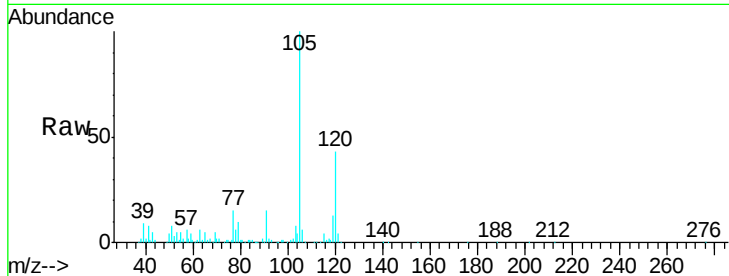
120 43.4 35.6 53.4

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

16.08

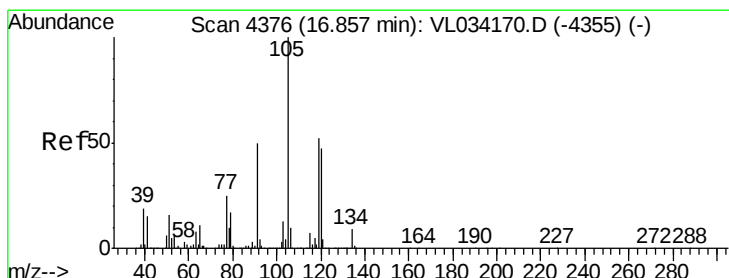
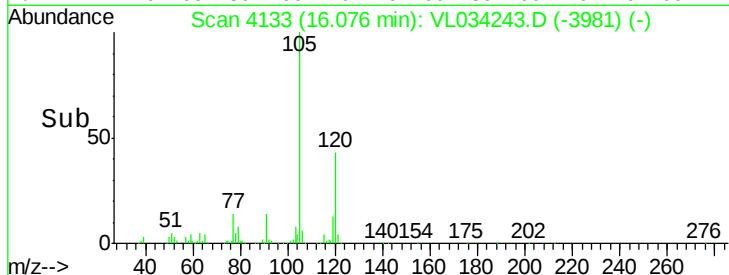
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 3.634 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. -0.02 min

Lab File: VL034243.D

Acq: 8 Oct 2019 4:58

Tgt Ion:105 Resp: 1018097

Ion Ratio Lower Upper

105 100

120 40.0 37.5 56.3

91 13.5 41.1 61.7#

77 16.6 19.9 29.9#

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

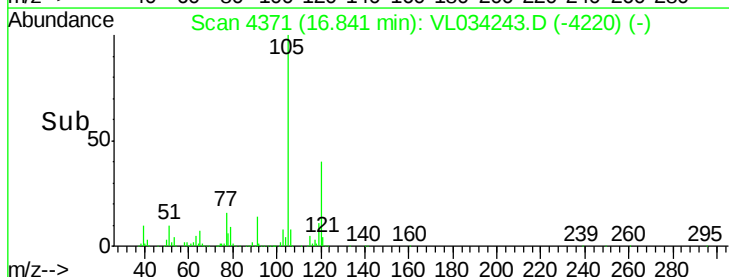
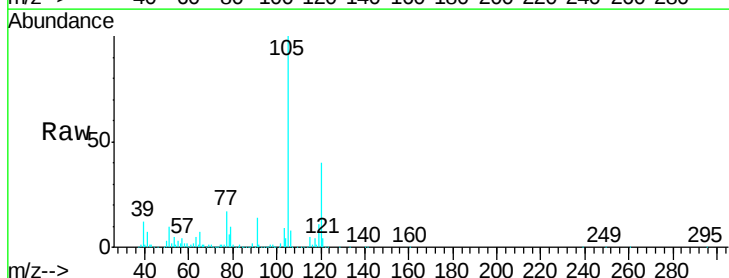
600000

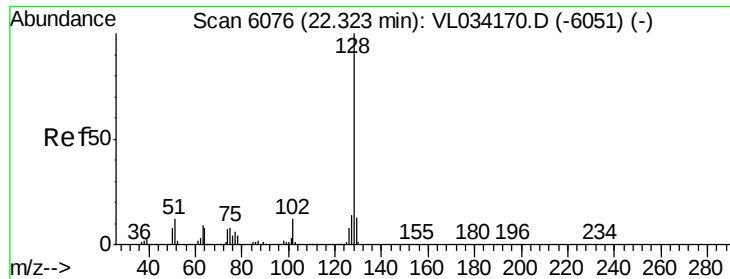
400000

200000

0

Time-->





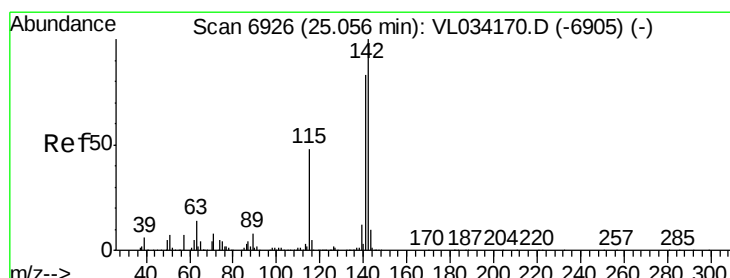
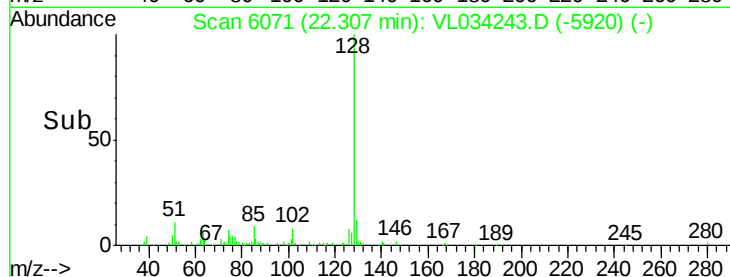
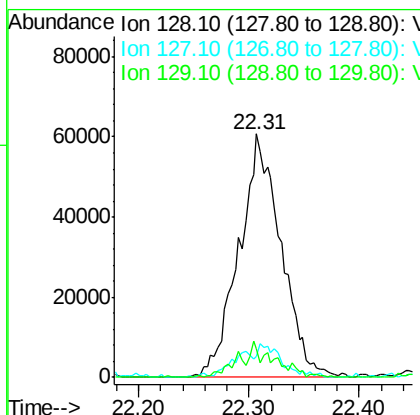
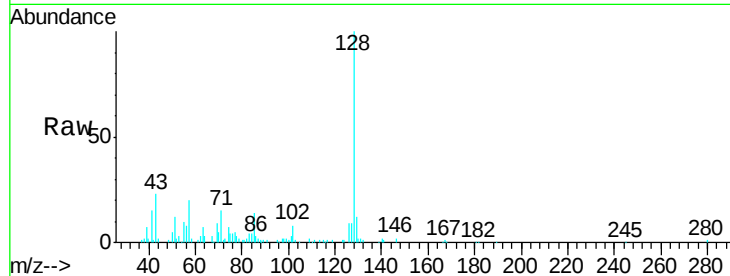
#79
Naphthalene
Concen: 0.653 ppbv m
RT: 22.31 min Scan# 6071
Delta R.T. -0.02 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Instrument :
MSVOA_L
ClientSampled :
V-4

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	160992		
127	8.5	11.1	16.7#	
129	11.7	10.2	15.4	

Manual Integrations
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#80
Naphthalene, 2-methyl-
Concen: 0.210 ppbv m
RT: 25.05 min Scan# 6923
Delta R.T. -0.01 min
Lab File: VL034243.D
Acq: 8 Oct 2019 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	24115		
141	50.8	67.6	101.4#	
115	27.3	36.9	55.3#	

