

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032191.D
 Acq On : 2 Jul 2018 21:08
 Operator : SY/AP
 Sample : J3753-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:18 PM

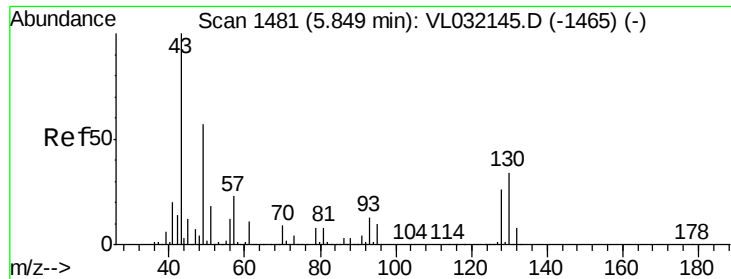
Quant Time: Jul 03 15:23:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1405494	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.39	114	3722379	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	3275773	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.68	95	2416176	9.65	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	36943	0.20	ppbv	90
3) Chlorodifluoromethane	3.07	51	70510m	0.41	ppbv	
4) Chloromethane	3.22	50	23144	0.25	ppbv	97
7) Chloroethane	3.66	64	44755	1.37	ppbv #	87
9) Propene	3.10	41	142298	1.78	ppbv	92
10) Heptane	8.34	43	238194	1.02	ppbv	99
11) Trichlorofluoromethane	4.07	101	69423	0.35	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	254943	1.91	ppbv	91
13) Ethanol	3.74	45	9135964m	376.53	ppbv	
15) Acetone	3.97	43	6754964	41.10	ppbv	99
17) tert-Butyl alcohol	4.46	59	877960	8.39	ppbv	97
18) 1,1-Dichloroethene	4.42	96	101360	1.59	ppbv	98
19) Isopropyl Alcohol	4.13	45	5944438m	43.53	ppbv	
20) Methylene Chloride	4.49	84	98992	1.65	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	83066	1.25	ppbv	97
24) 1,1-Dichloroethane	5.17	63	2148837	11.26	ppbv	98
26) Hexane	5.86	57	241184	1.54	ppbv #	77
30) Cyclohexane	7.34	84	89183	0.60	ppbv	97
31) cis-1,2-Dichloroethene	5.73	61	16396	0.10	ppbv #	85
32) 1,1,1-Trichloroethane	6.71	97	14654801	61.34	ppbv	93
34) 2-Butanone	5.41	43	1387588	5.87	ppbv	100
36) Benzene	7.10	78	166997	0.46	ppbv	97
41) Tetrahydrofuran	6.24	42	84187m	0.59	ppbv	
44) 2,2,4-Trimethylpentane	8.09	57	1463609	2.32	ppbv	96
50) 4-Methyl-2-Pentanone	8.97	43	223898	0.58	ppbv	99
52) Tetrachloroethene	11.47	164	15446m	0.12	ppbv	
53) Toluene	10.04	91	1845948	4.24	ppbv	100
58) Ethyl Benzene	12.97	91	601334	1.14	ppbv	93
59) m/p-Xylene	13.22	91	1770188	4.18	ppbv	97
60) o-Xylene	13.95	91	712877	1.69	ppbv	97
61) Styrene	13.79	104	46389	0.13	ppbv #	88
69) p-Isopropyltoluene	17.92	119	1590043	2.37	ppbv	96
72) 4-Ethyltoluene	16.10	105	237253	0.44	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.26	105	192788	0.38	ppbv	98
74) 1,2,4-Trimethylbenzene	17.03	105	818725	1.58	ppbv #	71
79) Naphthalene	22.54	128	119129m	0.25	ppbv	
80) Naphthalene,2-methyl-	25.19	142	51005	0.30	ppbv #	93

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



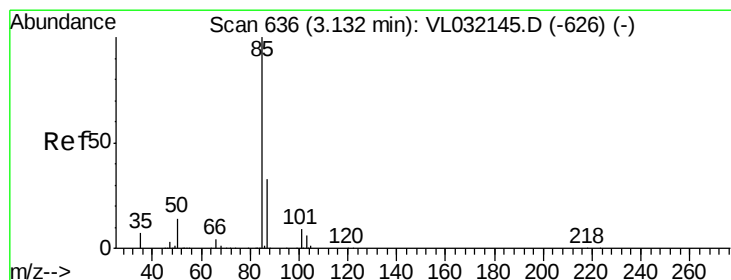
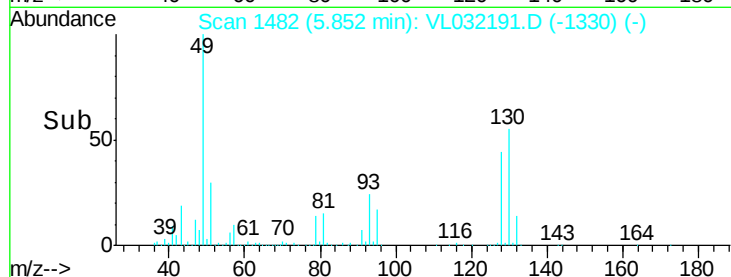
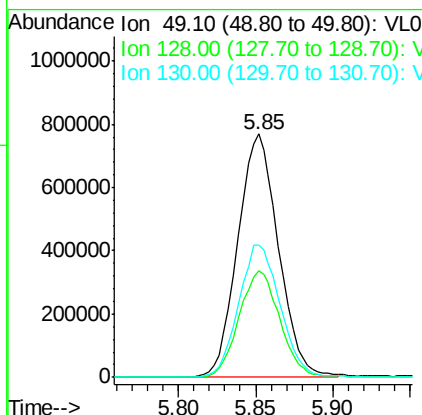
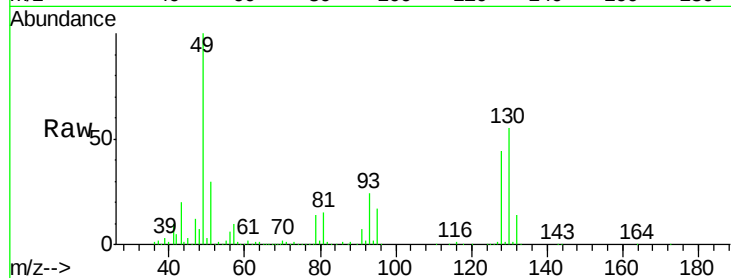
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Bromochloromethane
Concen: 10.00 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampled :
MID

Tot Ion: 49 Resp: 1405494
Ion Ratio Lower Upper
49 100
128 44.4 23.4 70.0
130 56.0 30.3 90.9

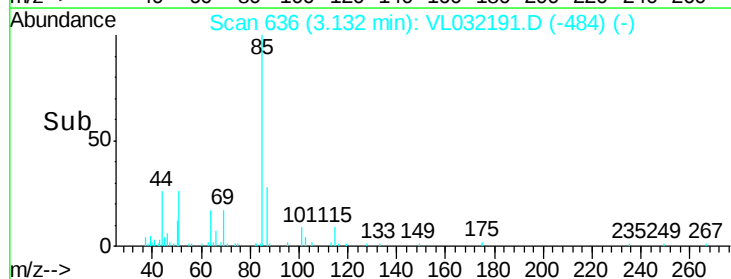
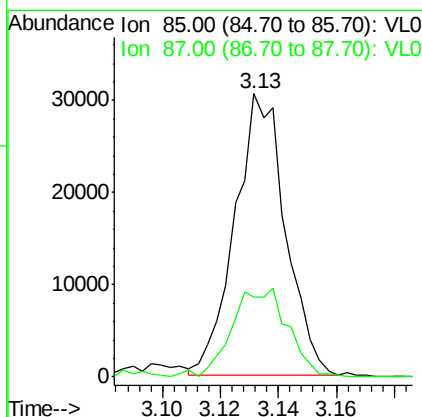
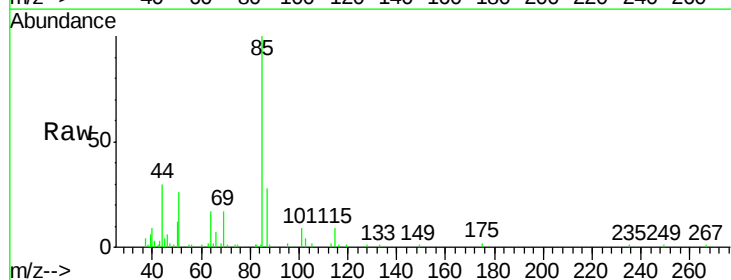
Manual Integrations
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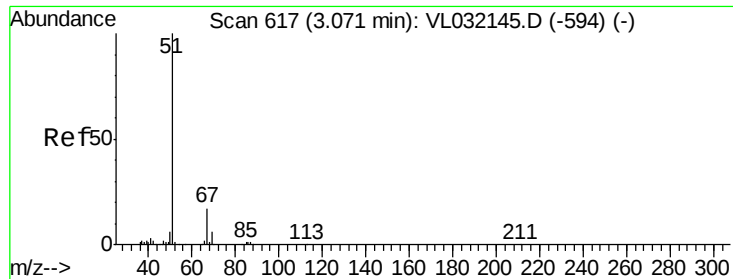
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#2
Dichlorodifluoromethane
Concen: 0.20 ppbv
RT: 3.13 min Scan# 636
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion: 85 Resp: 36943
Ion Ratio Lower Upper
85 100
87 27.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.41 ppbv m

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampleId :

MID

Tot Ion: 51 Resp: 70510

Ion Ratio Lower Upper

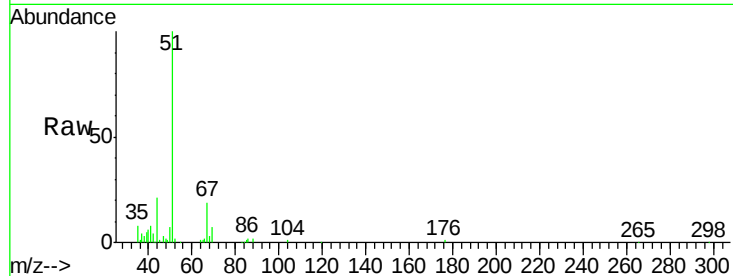
51 100

67 18.2 13.2 19.8

Manual Integrations
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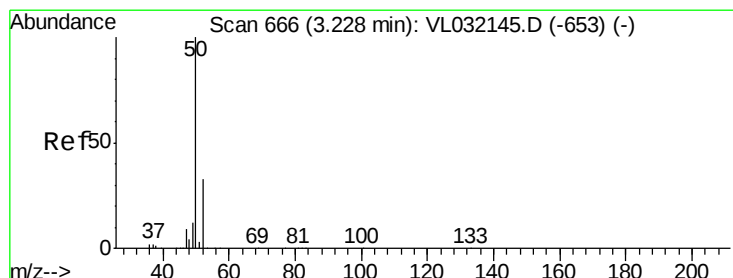
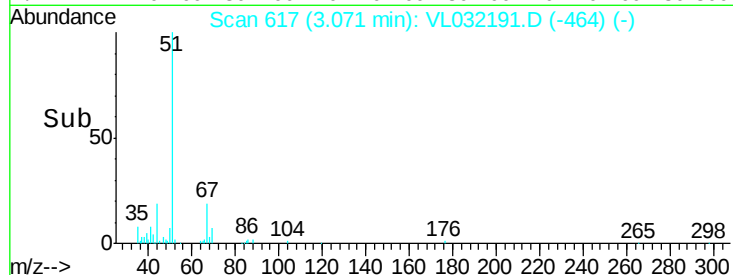
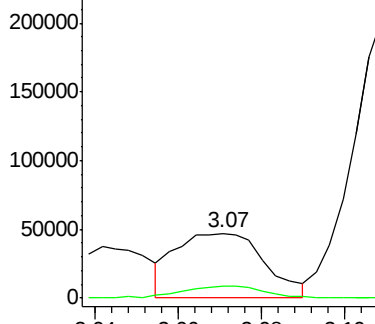
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.25 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL032191.D

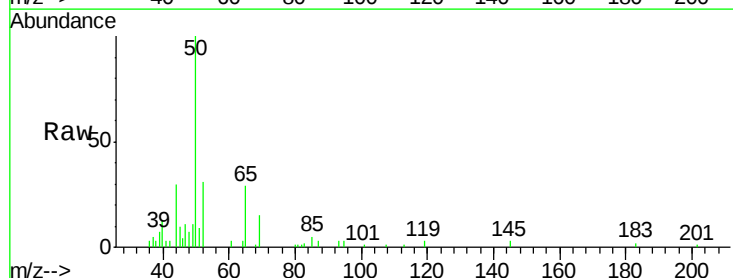
Acq: 2 Jul 2018 21:08

Tgt Ion: 50 Resp: 23144

Ion Ratio Lower Upper

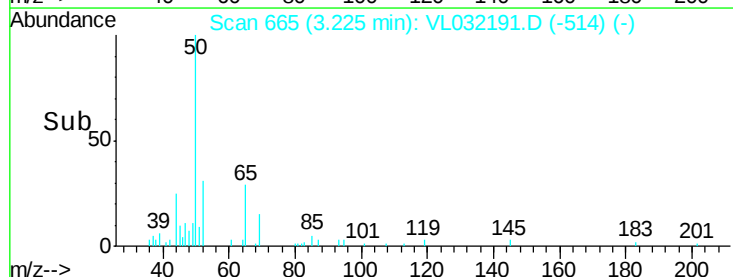
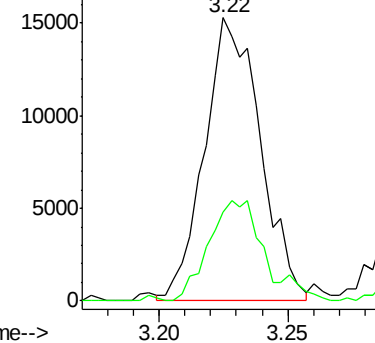
50 100

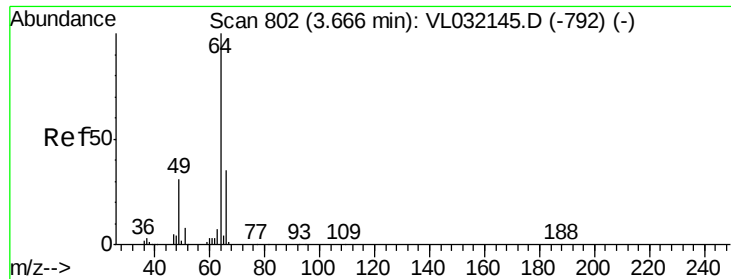
52 30.9 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 1.37 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampleId :

MID

Tot Ion: 64 Resp: 44755

Ion Ratio Lower Upper

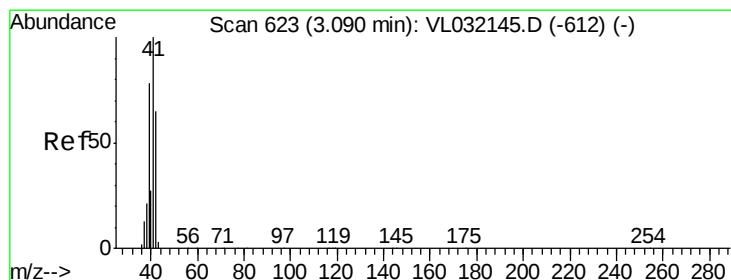
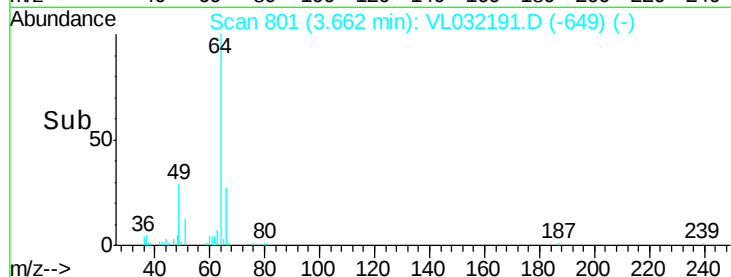
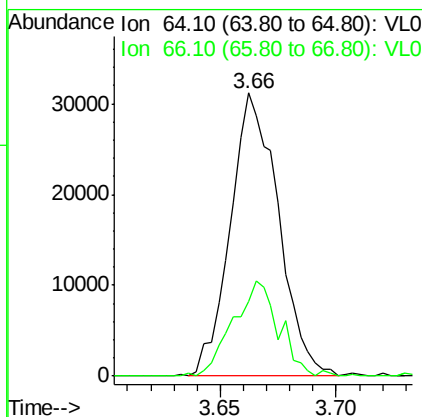
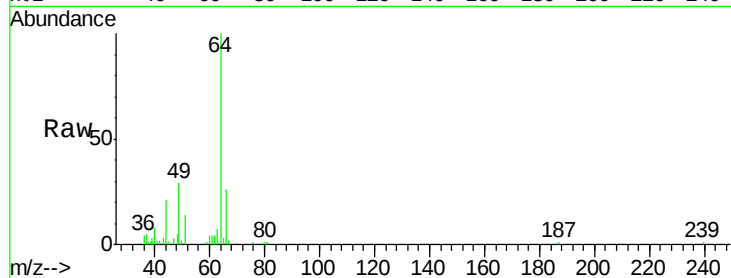
64 100

66 26.2 26.9 40.3#

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#9

Propene

Concen: 1.78 ppbv

RT: 3.10 min Scan# 625

Delta R.T. -0.00 min

Lab File: VL032191.D

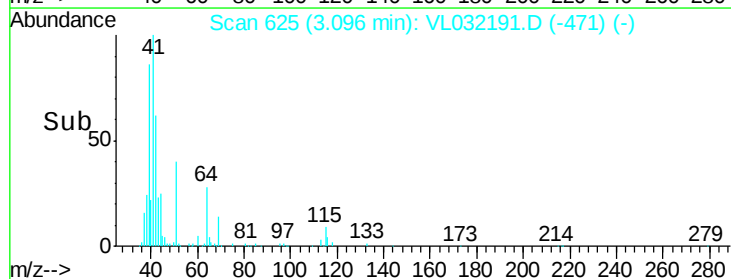
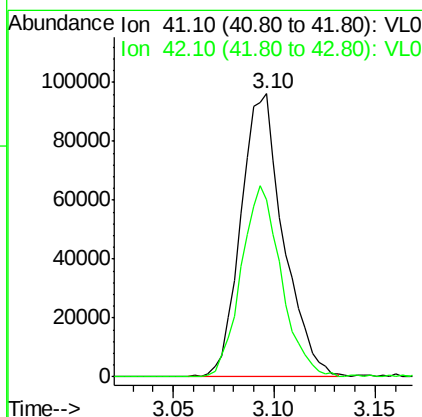
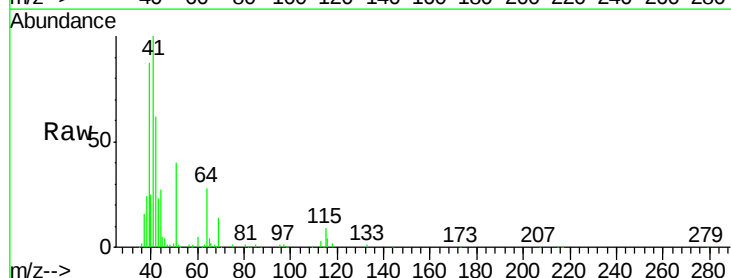
Acq: 2 Jul 2018 21:08

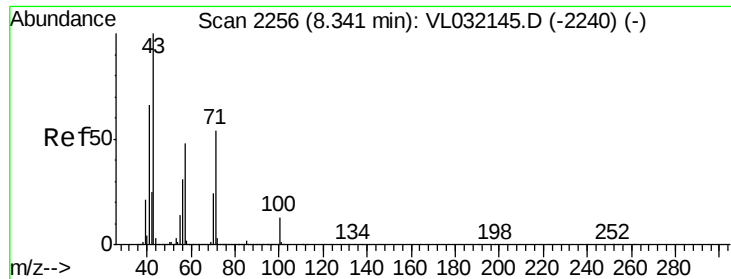
Tgt Ion: 41 Resp: 142298

Ion Ratio Lower Upper

41 100

42 63.9 56.2 84.4





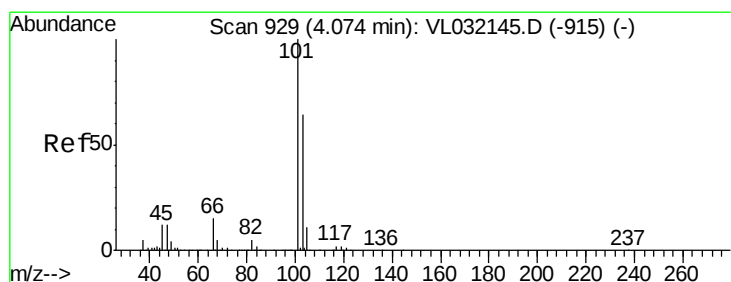
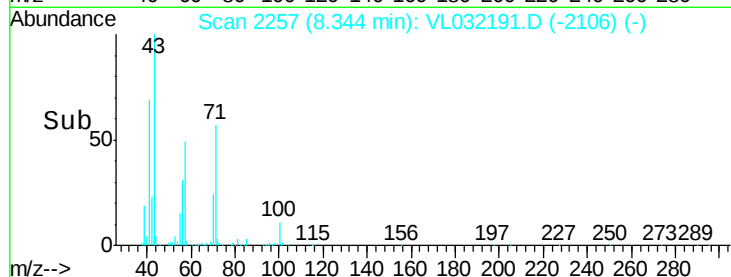
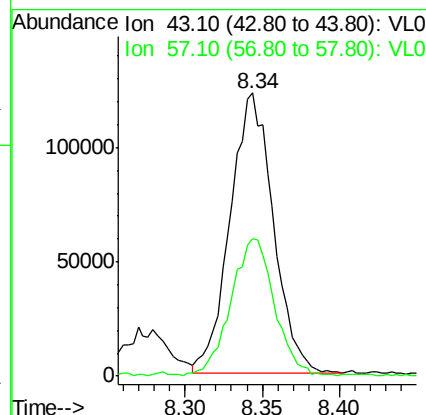
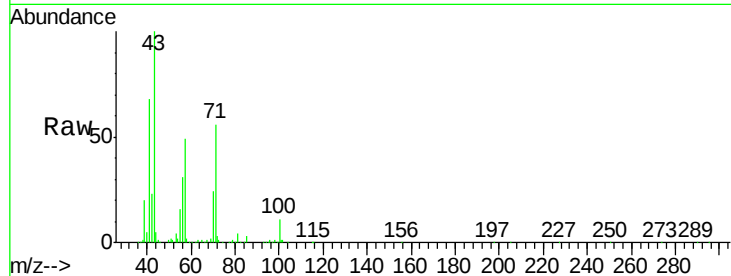
#10
 Heptane
 Concen: 1.02 ppbv
 RT: 8.34 min Scan# 2257
 Delta R.T. -0.01 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Tot Ion: 43 Resp: 238194
 Ion Ratio Lower Upper
 43 100
 57 50.2 39.8 59.8

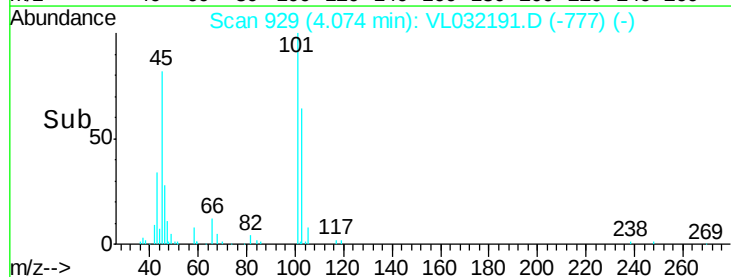
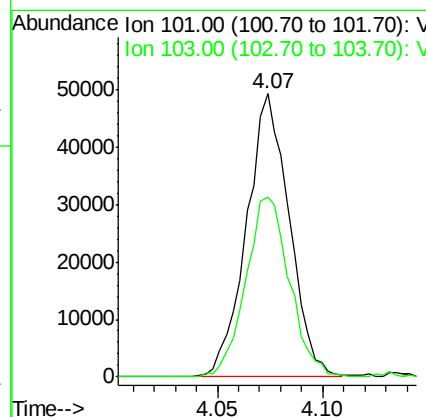
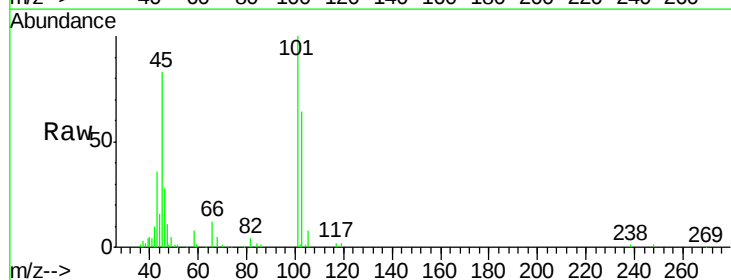
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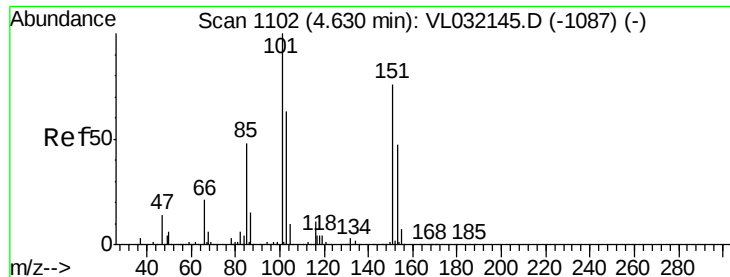
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#11
 Trichlorofluoromethane
 Concen: 0.35 ppbv
 RT: 4.07 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Tgt Ion: 101 Resp: 69423
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.91 ppbv

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampleId :

MID

Tot Ion:101 Resp: 254943

Ion Ratio Lower Upper

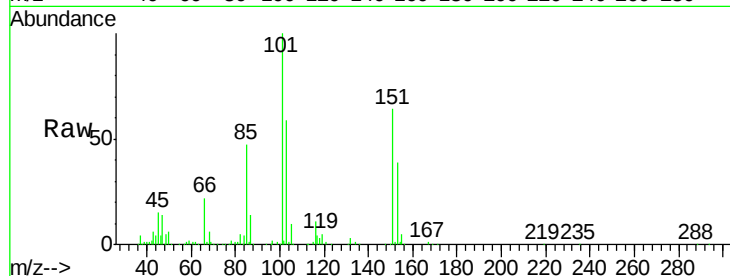
101 100

151 65.6 58.8 88.2

Manual Integrations
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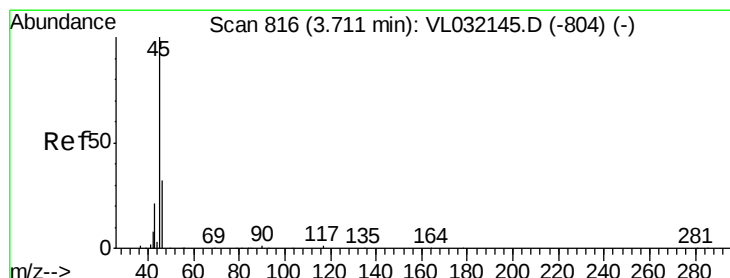
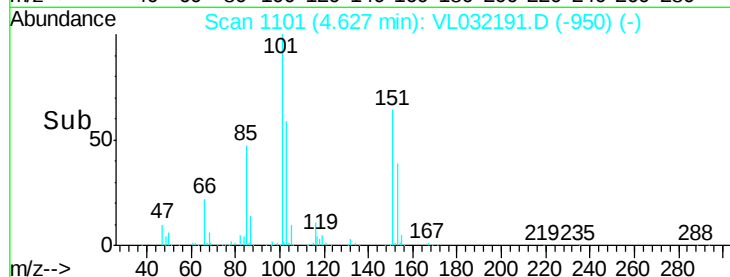
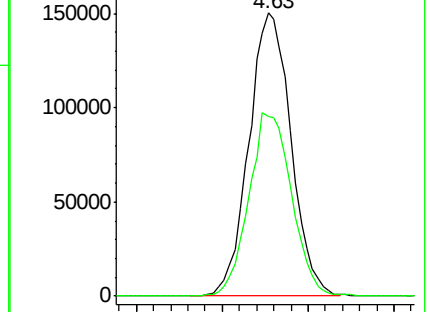
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 376.53 ppbv m

RT: 3.74 min Scan# 826

Delta R.T. 0.02 min

Lab File: VL032191.D

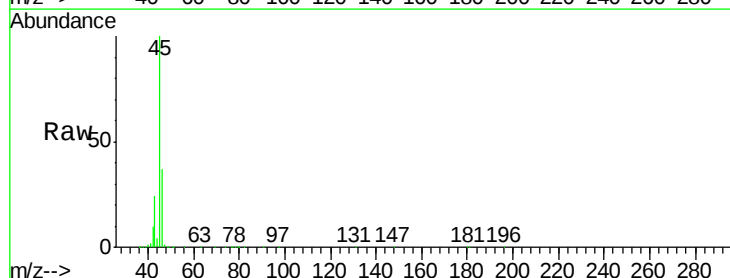
Acq: 2 Jul 2018 21:08

Tgt Ion: 45 Resp: 9135964

Ion Ratio Lower Upper

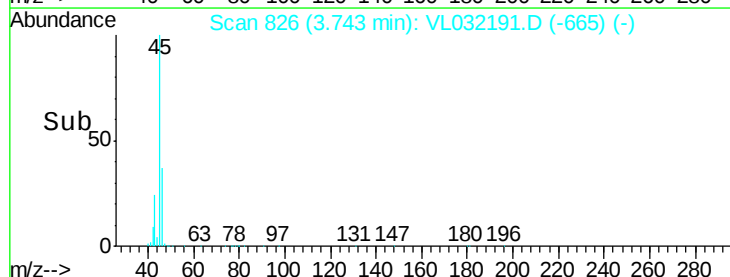
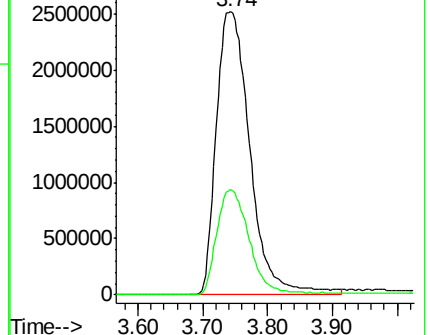
45 100

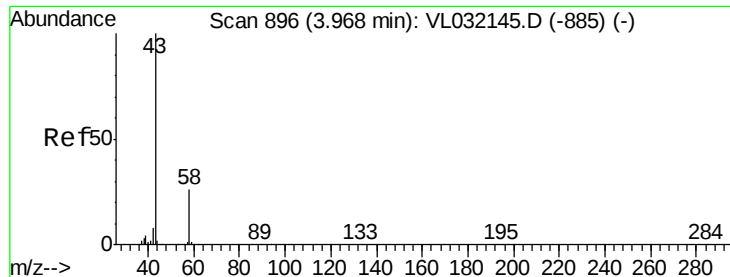
46 0.0 14.6 58.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 41.10 ppbv

RT: 3.97 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampleId :

MID

Tot Ion: 43 Resp: 6754964

Ion Ratio Lower Upper

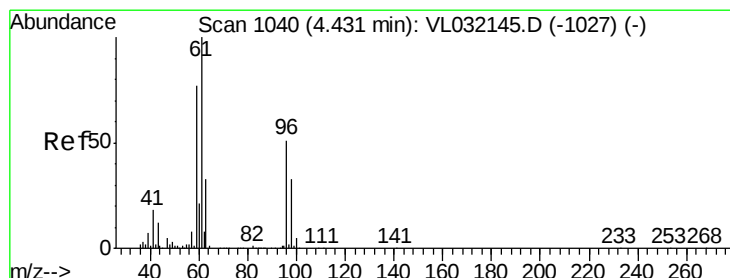
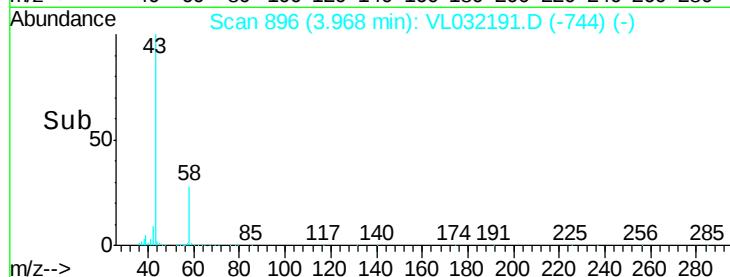
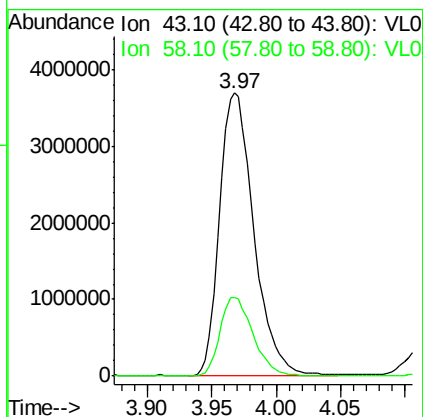
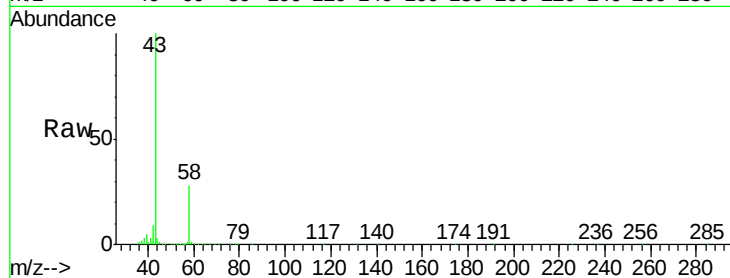
43 100

58 27.3 21.4 32.0

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7/3/2018 5:17:18 PM



#17

tert-Butyl alcohol

Concen: 8.39 ppbv

RT: 4.46 min Scan# 1050

Delta R.T. 0.03 min

Lab File: VL032191.D

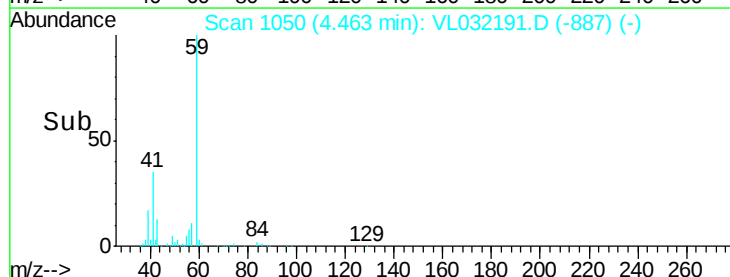
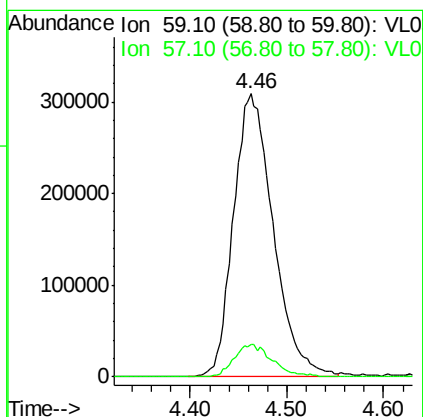
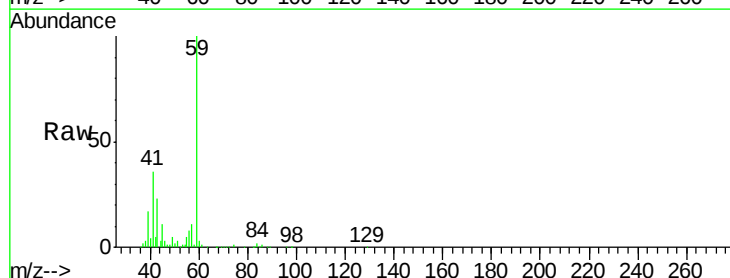
Acq: 2 Jul 2018 21:08

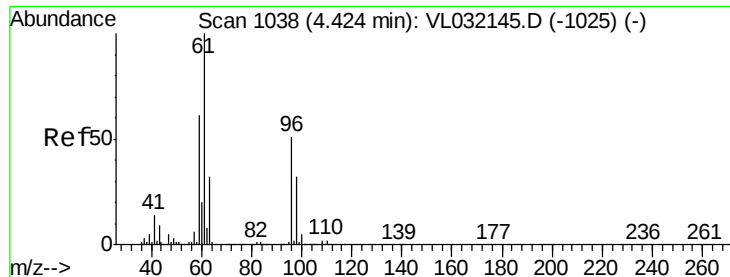
Tgt Ion: 59 Resp: 877960

Ion Ratio Lower Upper

59 100

57 11.2 8.2 12.2





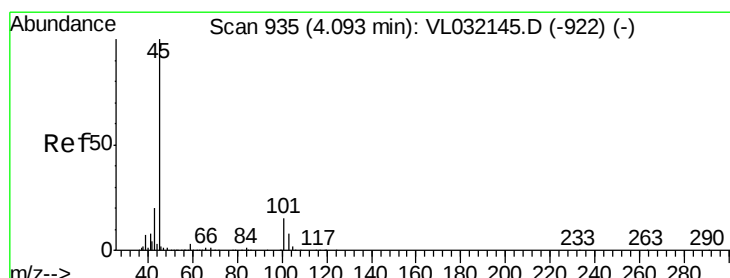
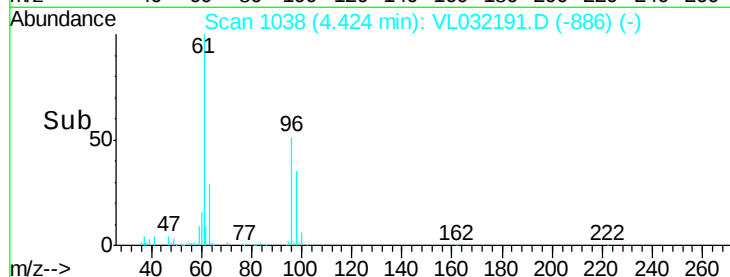
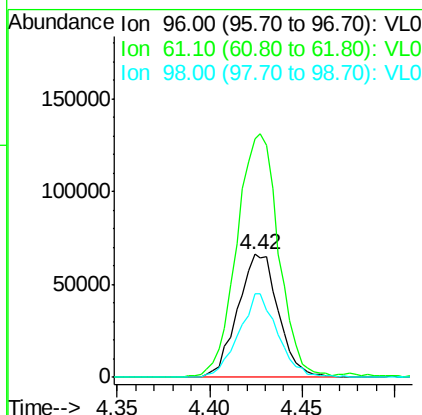
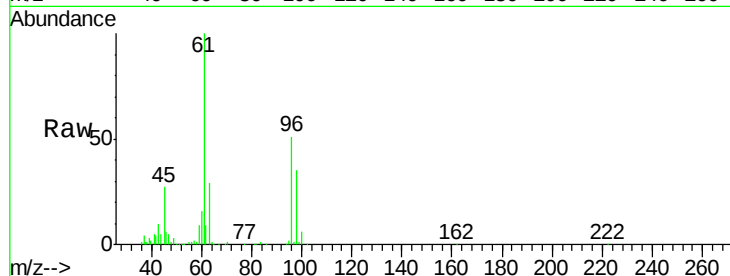
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 1,1-Dichloroethene
 Concen: 1.59 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Tot Ion	Ratio	Lower	Upper
96	100		
61	193.4	154.1	231.1
98	67.9	50.3	75.5

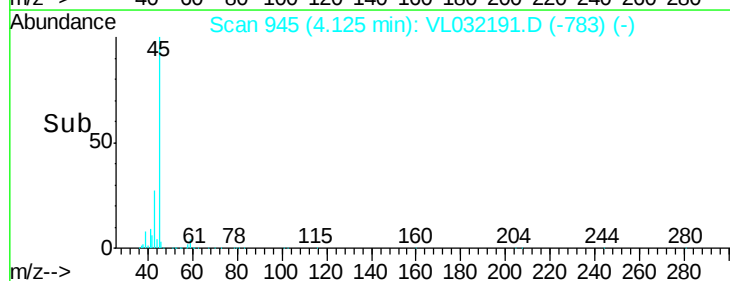
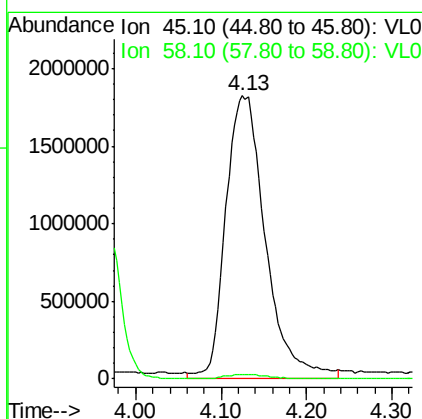
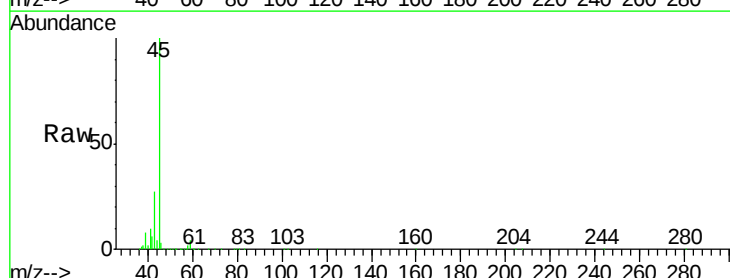
Manual Integrations
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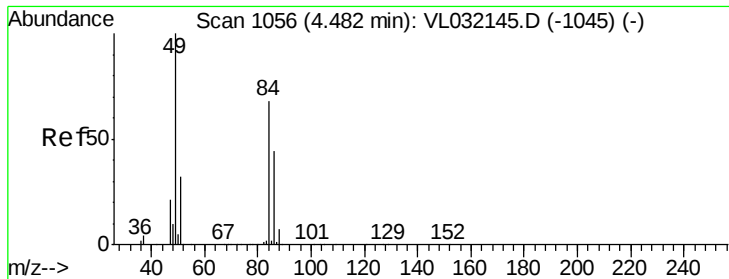
MMDadoda
 7/3/2018 5:17:18 PM



#19
 Isopropyl Alcohol
 Concen: 43.53 ppbv m
 RT: 4.13 min Scan# 945
 Delta R.T. 0.02 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.0#





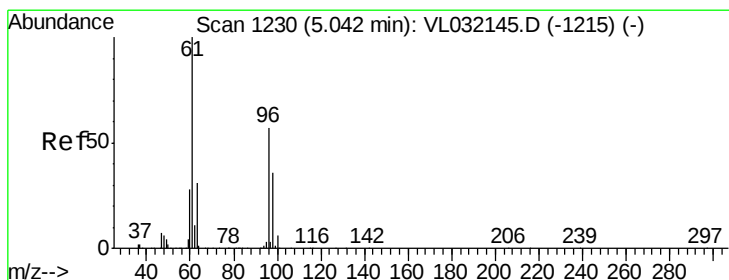
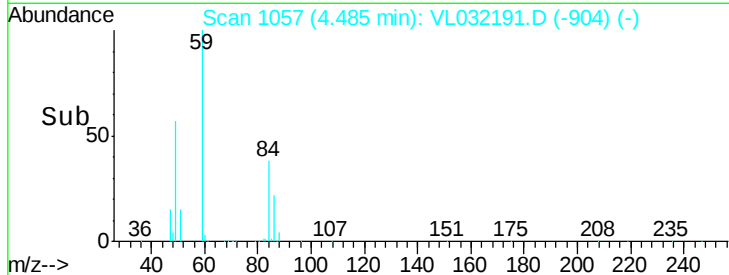
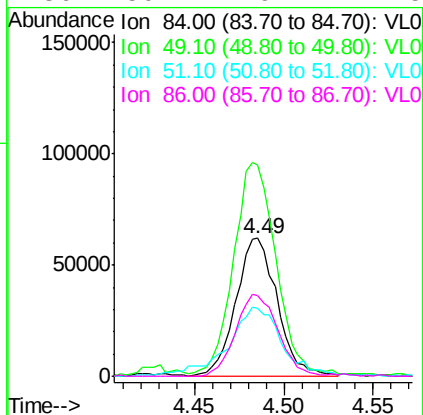
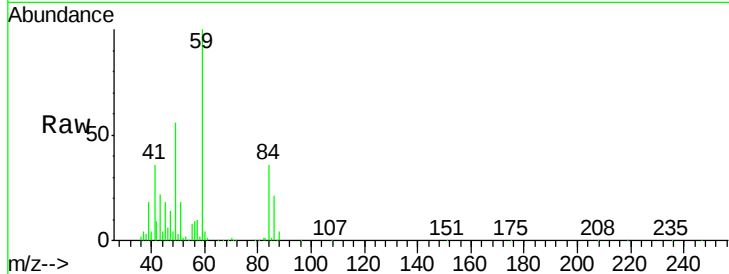
#20
Methvlene Chloride
Concen: 1.65 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampled :
MID

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	151.6	119.6	179.4	
51	48.9	36.3	54.5	
86	59.2	49.7	74.5	

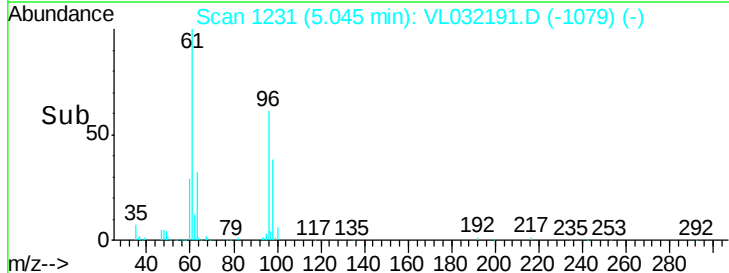
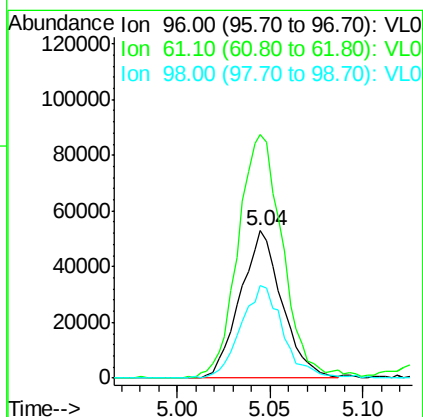
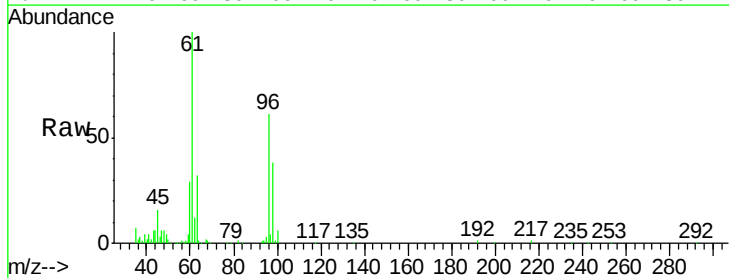
Manual Integrations
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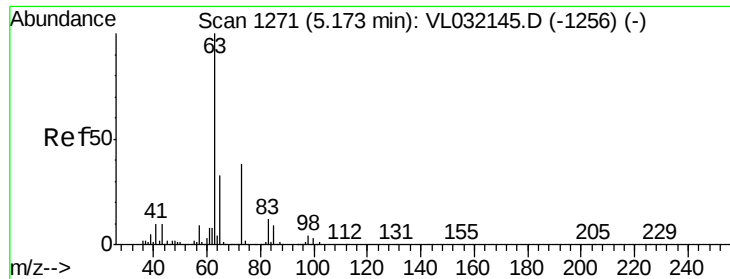
MMDadoda
7/3/2018 5:17:18 PM



#22
trans-1,2-Dichloroethene
Concen: 1.25 ppbv
RT: 5.04 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	164.2	135.2	202.8	
98	62.5	49.7	74.5	





#24

1,1-Dichloroethane

Concen: 11.26 ppbv

RT: 5.17 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

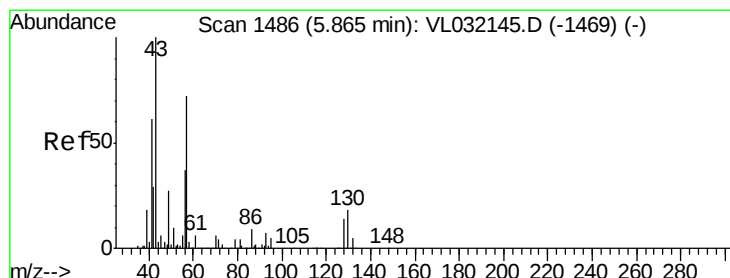
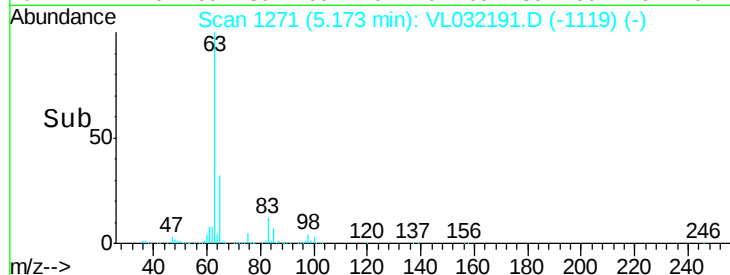
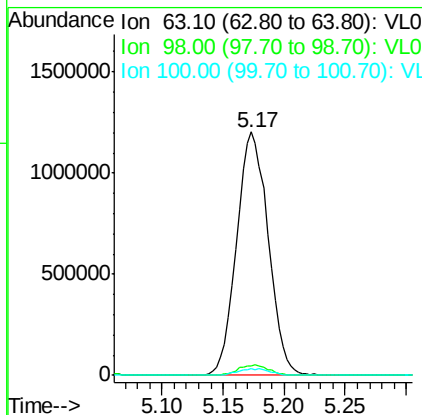
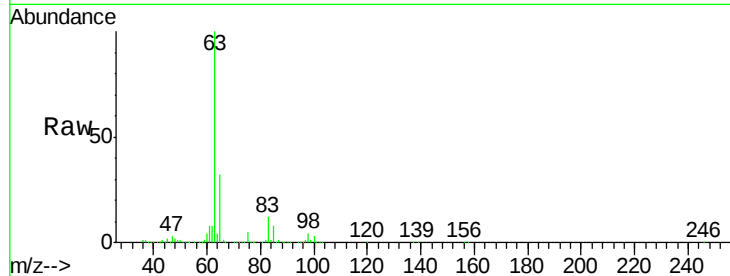
ClientSampled :

MID

Tot Ion:	63	Resp:	2148837
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	2.8	1.7	5.0

Manual Integrations
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MMDadoda
7/3/2018 5:17:18 PM



#26

Hexane

Concen: 1.54 ppbv

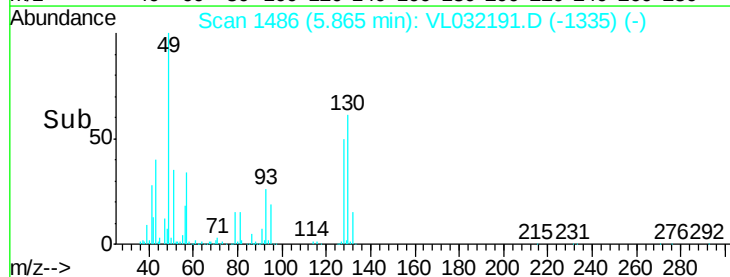
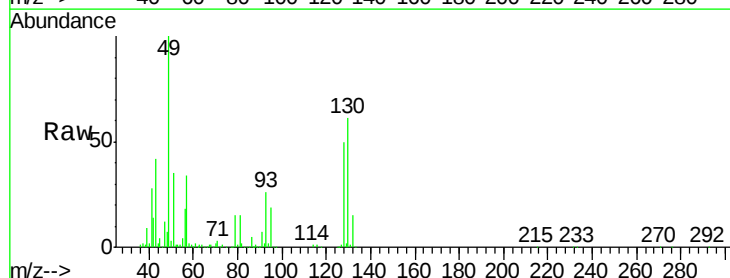
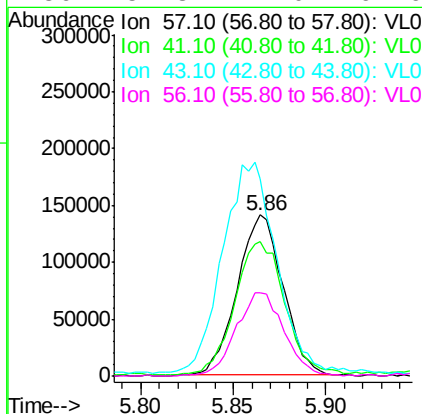
RT: 5.86 min Scan# 1486

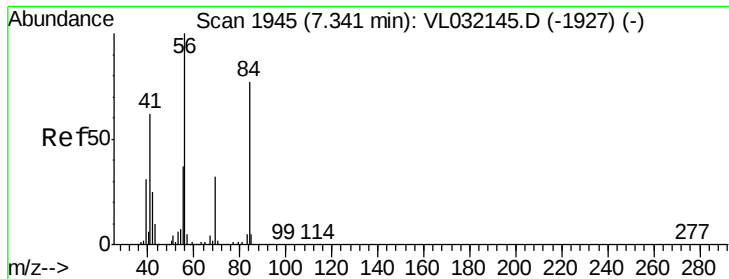
Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Tgt Ion:	57	Resp:	241184
Ion	Ratio	Lower	Upper
57	100		
41	91.4	68.6	103.0
43	157.1	168.6	252.8#
56	54.3	41.0	61.6





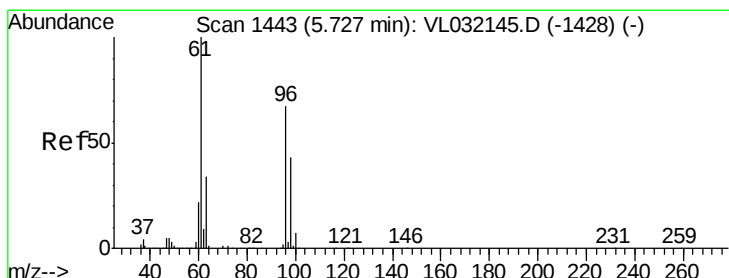
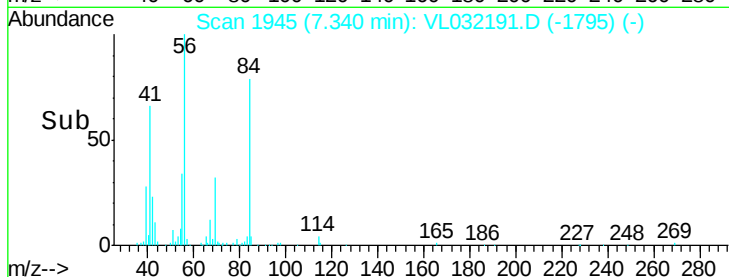
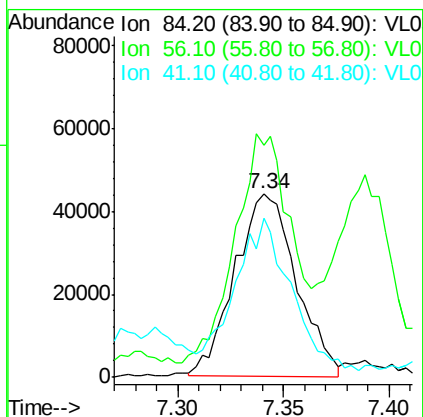
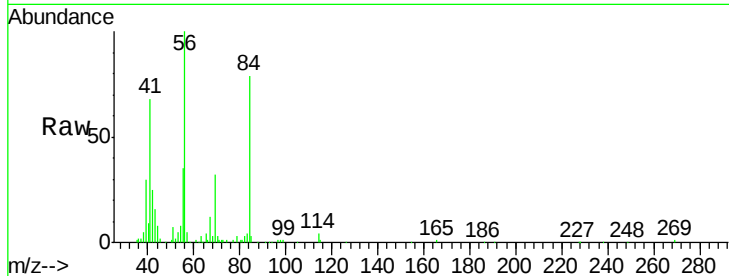
#30
Cvclohexane
Concen: 0.60 ppbv
RT: 7.34 min Scan# 1945
Delta R.T. -0.02 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampleId :
MID

Tot Ion	Ratio	Lower	Upper
84	100		
56	133.4	109.1	163.7
41	78.2	64.6	96.8

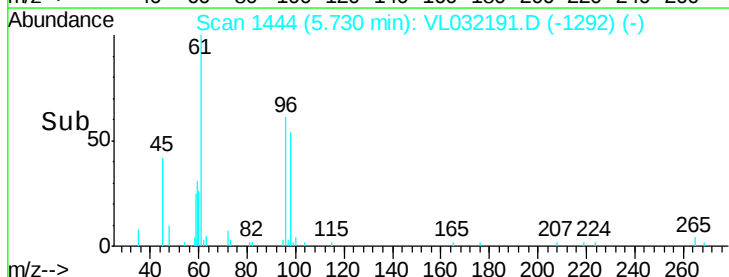
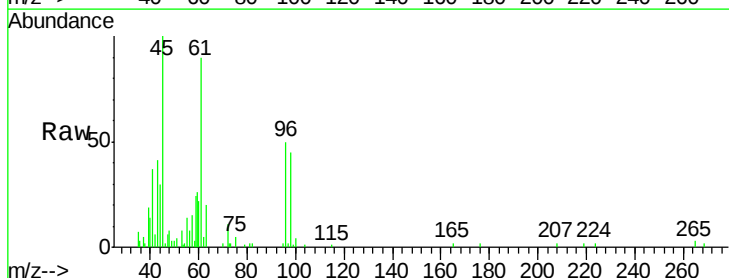
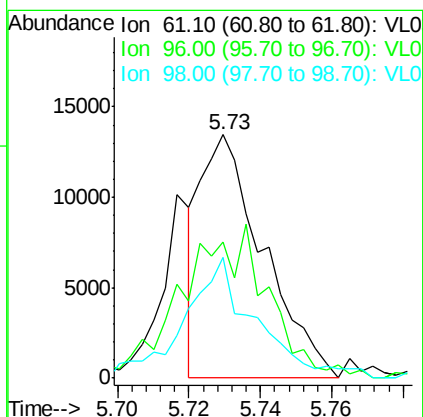
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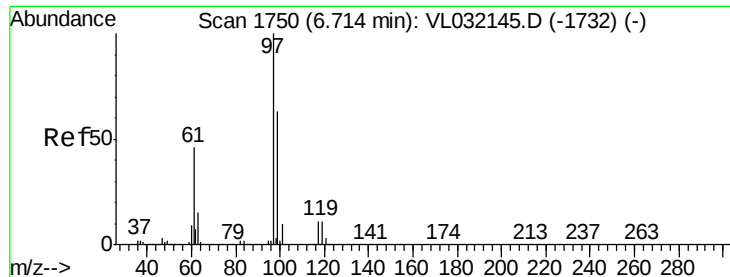
MMDadoda
7/3/2018 5:17:18 PM



#31
cis-1,2-Dichloroethene
Concen: 0.10 ppbv
RT: 5.73 min Scan# 1444
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion	Ratio	Lower	Upper
61	100		
96	50.5	54.2	81.4#
98	46.0	34.6	52.0





#32

1,1,1-Trichloroethane

Concen: 61.34 ppbv

RT: 6.71 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampled :

MID

Tot Ion: 97 Resp: 14654801

Ion Ratio Lower Upper

97 100

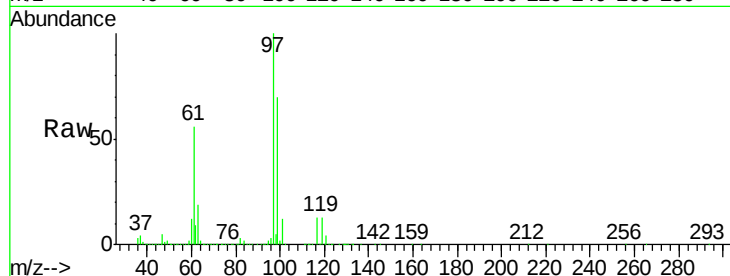
99 68.4 51.3 76.9

61 53.6 38.4 57.6

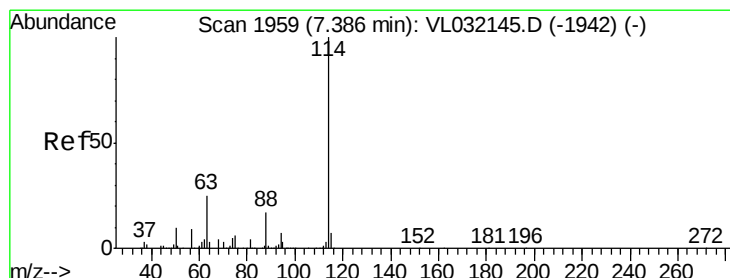
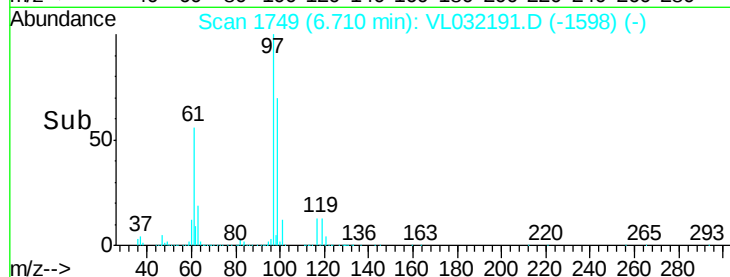
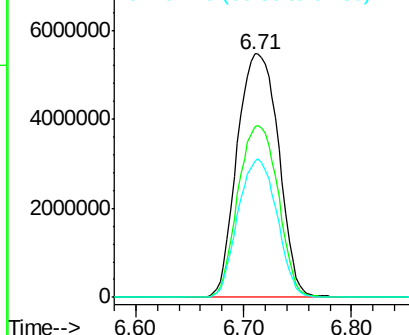
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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.39 min Scan# 1960

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

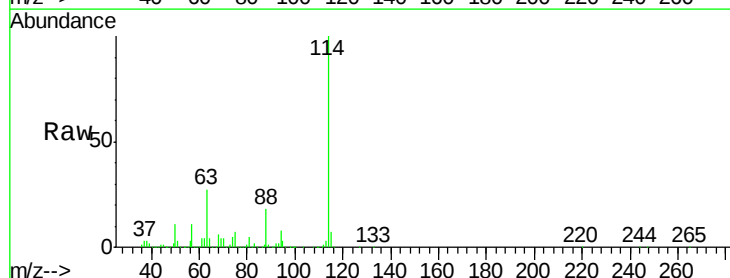
Tgt Ion: 114 Resp: 3722379

Ion Ratio Lower Upper

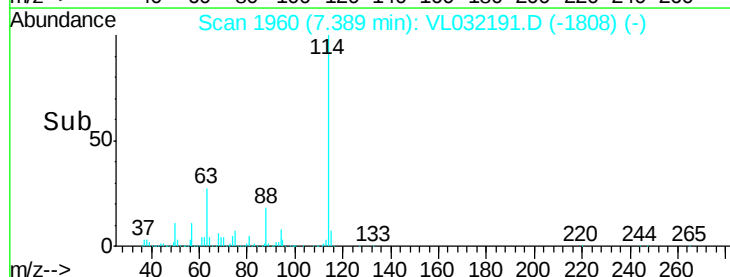
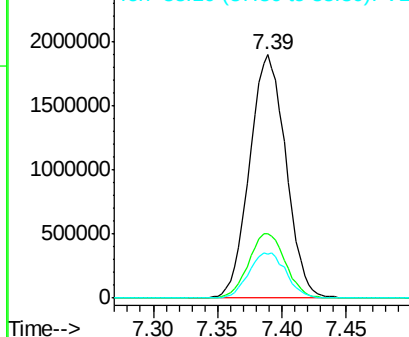
114 100

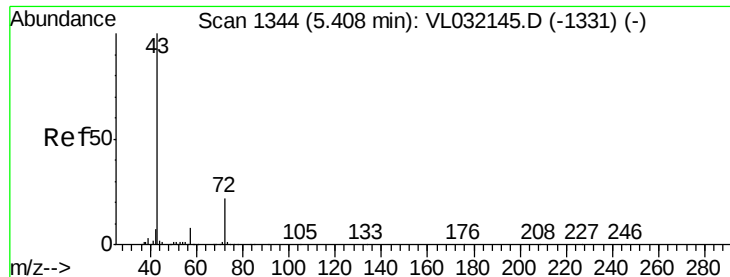
63 27.1 19.1 28.7

88 19.1 13.9 20.9



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





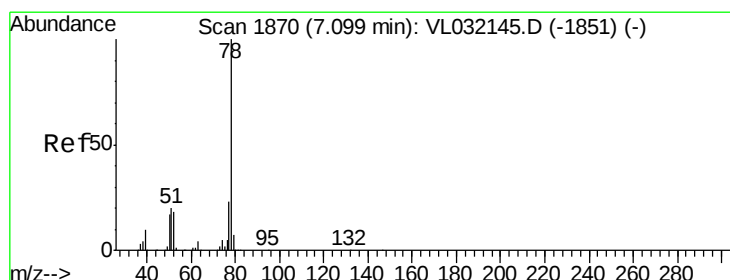
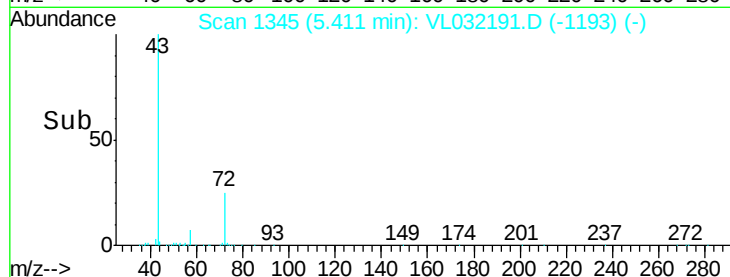
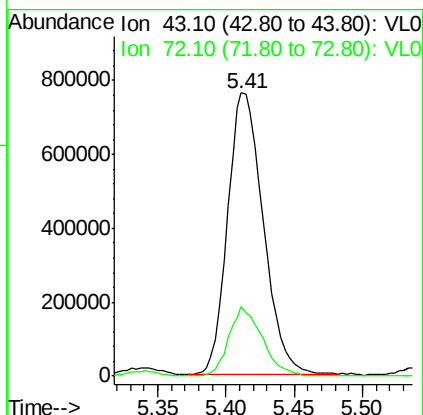
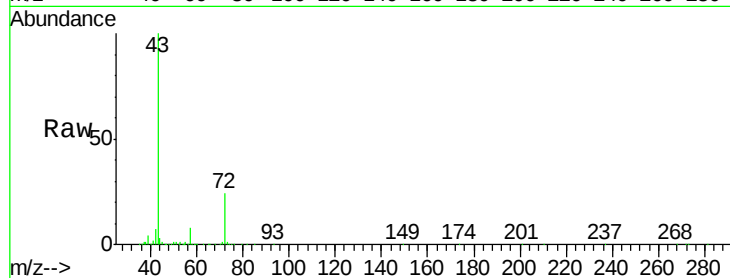
#34
2-Butanone
Concen: 5.87 ppbv
RT: 5.41 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampleId :
MID

Tot Ion: 43 Resp: 1387588
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6

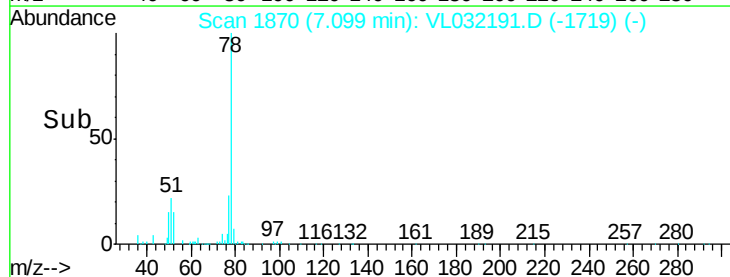
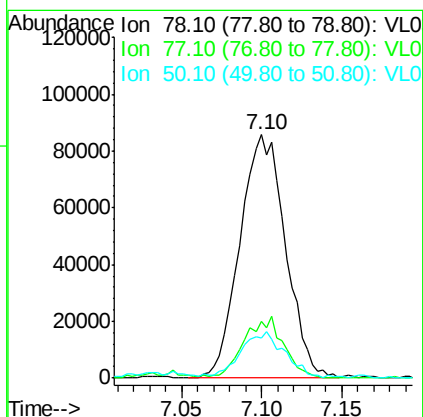
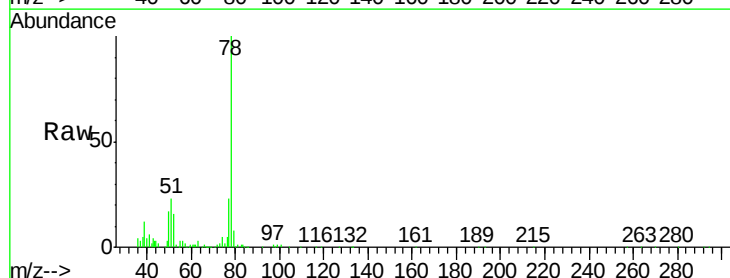
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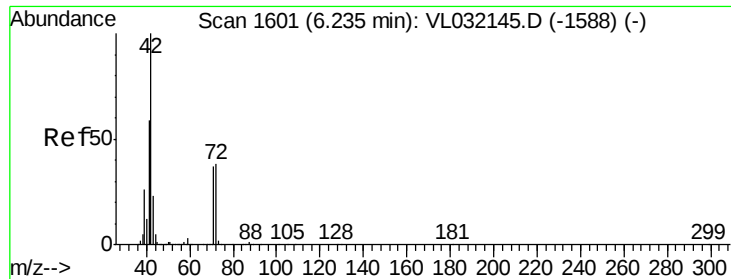
MMDadoda
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#36
Benzene
Concen: 0.46 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion: 78 Resp: 166997
Ion Ratio Lower Upper
78 100
77 23.3 17.7 26.5
50 15.8 14.0 21.0





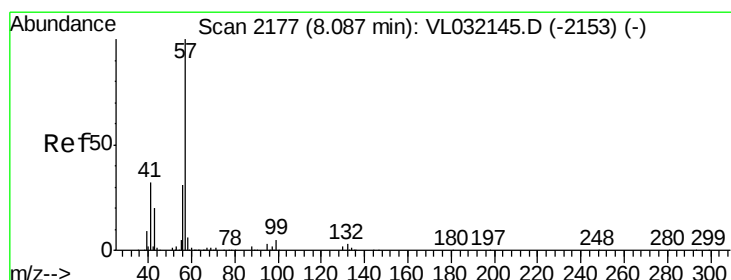
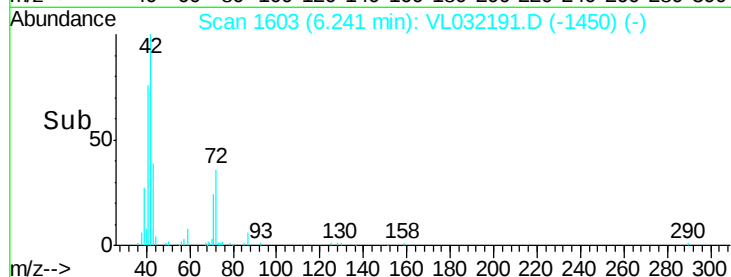
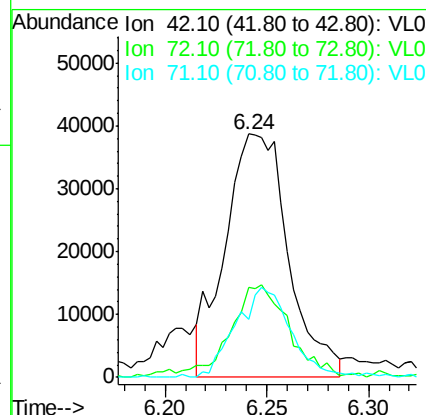
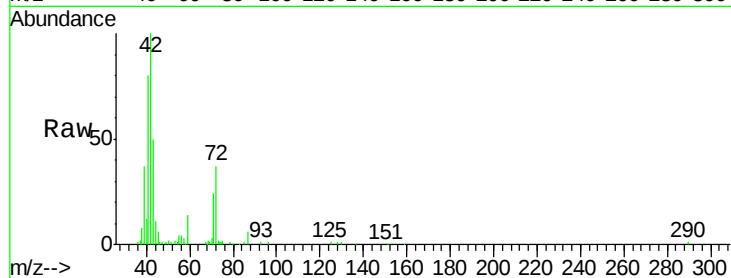
#41
Tetrahydrofuran
Concen: 0.59 ppbv m
RT: 6.24 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampled :
MID

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	31.1	46.7
71	32.8	29.5	44.3

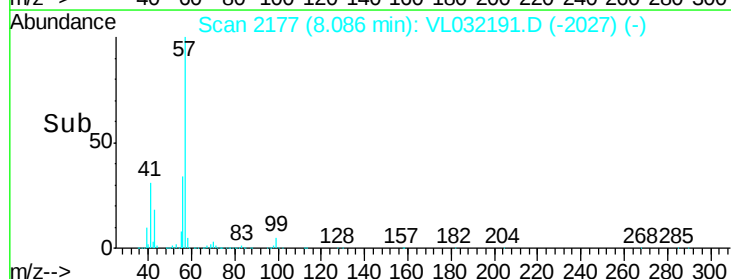
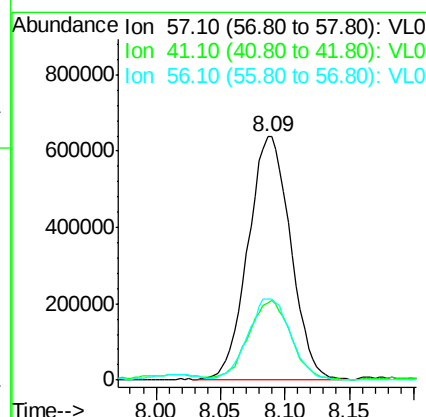
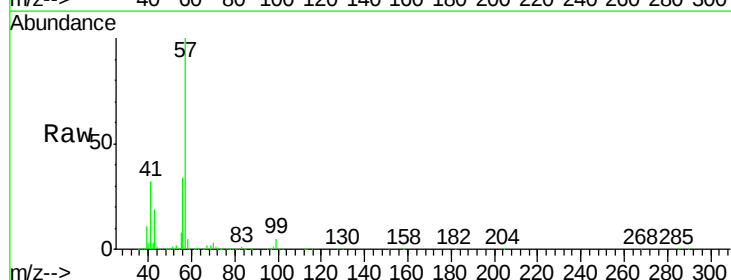
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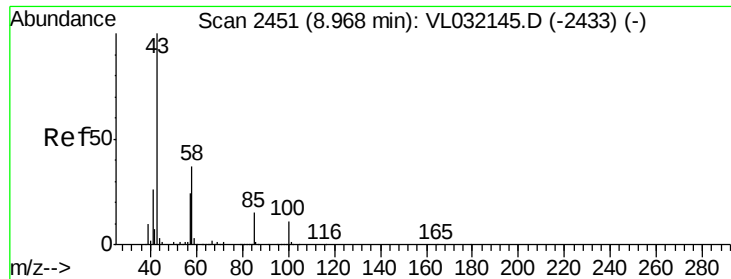
MMDadoda
7/3/2018 5:17:18 PM



#44
2,2,4-Trimethylpentane
Concen: 2.32 ppbv
RT: 8.09 min Scan# 2177
Delta R.T. -0.02 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.4	24.3	36.5
56	33.6	25.1	37.7





#50

4-Methyl-2-Pentanone

Concen: 0.58 ppbv

RT: 8.97 min Scan# 2453

Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampleId :

MID

Tot Ion: 43 Resp: 223898

Ion Ratio Lower Upper

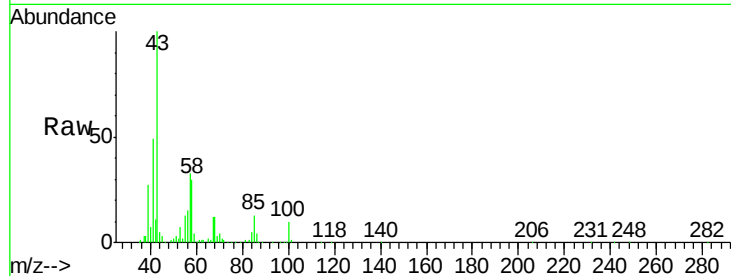
43 100

58 36.6 29.8 44.6

Manual Integrations
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MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.97

120000

100000

80000

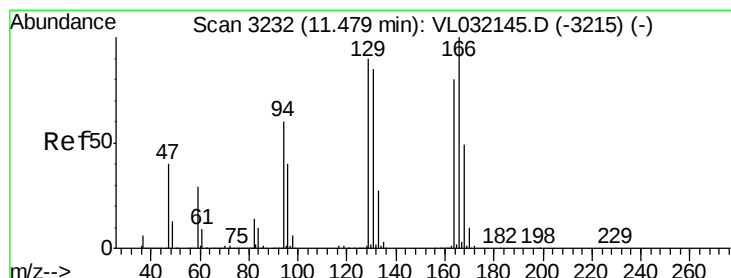
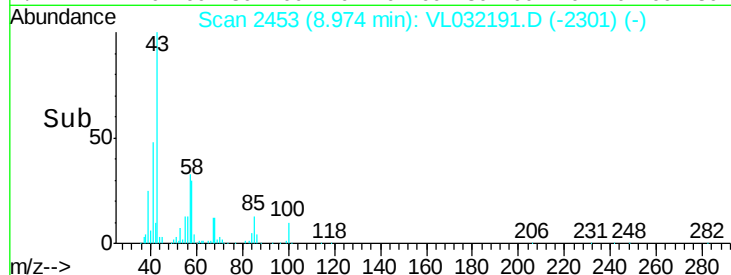
60000

40000

20000

0

Time-->



#52

Tetrachloroethene

Concen: 0.12 ppbv m

RT: 11.47 min Scan# 3230

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Tgt Ion: 164 Resp: 15446

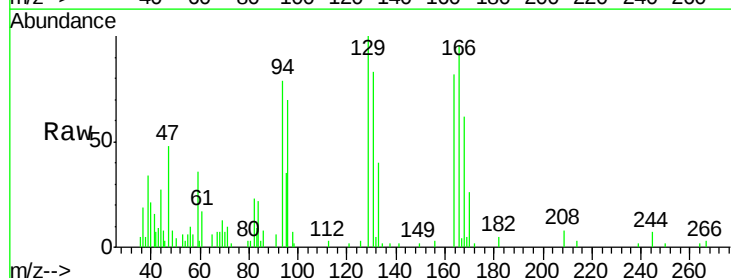
Ion Ratio Lower Upper

164 100

166 117.5 100.6 151.0

129 122.1 84.0 126.0

131 101.3 82.7 124.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

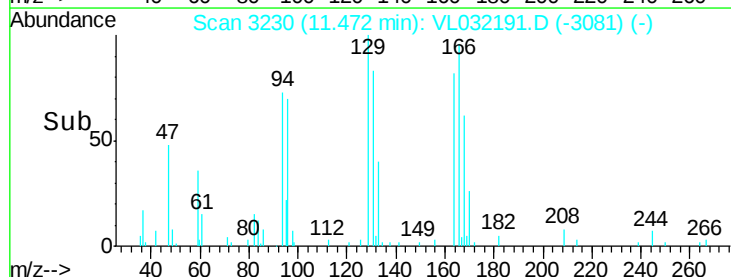
15000

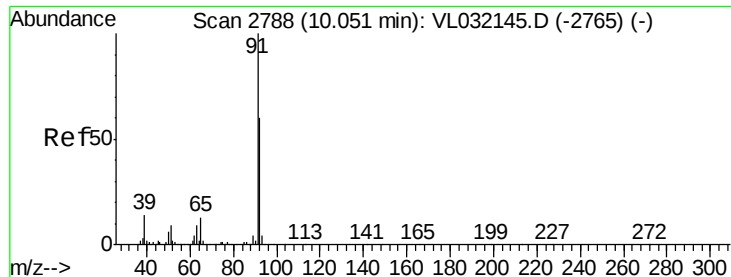
10000

5000

0

Time-->





#53

Toluene

Concen: 4.24 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampled :

MID

Tot Ion: 91 Resp: 1845948

Ion Ratio Lower Upper

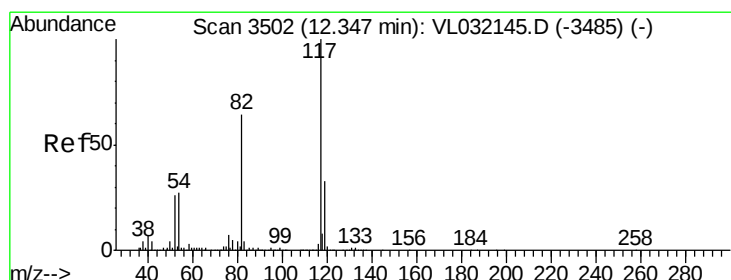
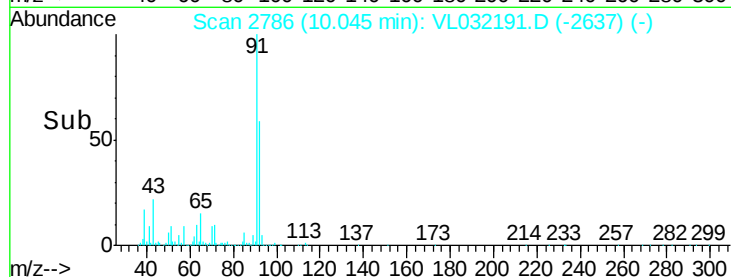
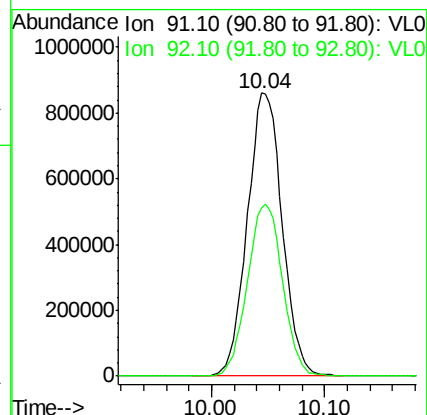
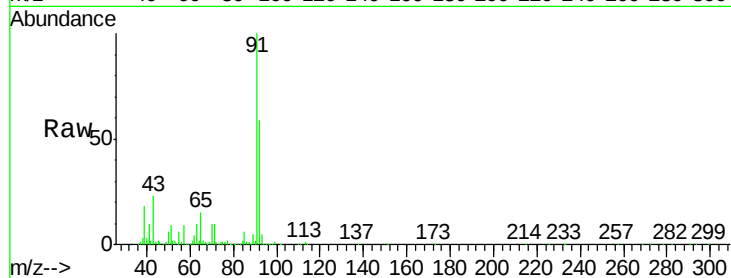
91 100

92 61.3 49.2 73.8

Manual Integrations
APPROVED

MMDadoda

7/3/2018 5:17:18 PM



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.34 min Scan# 3501

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

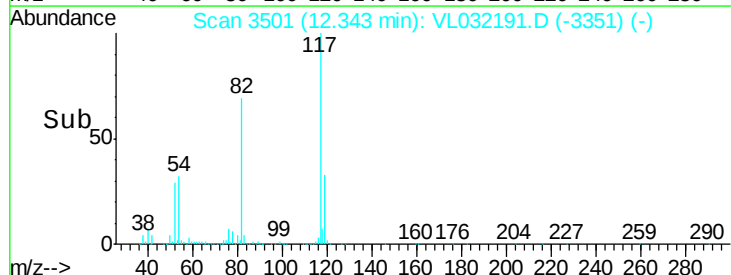
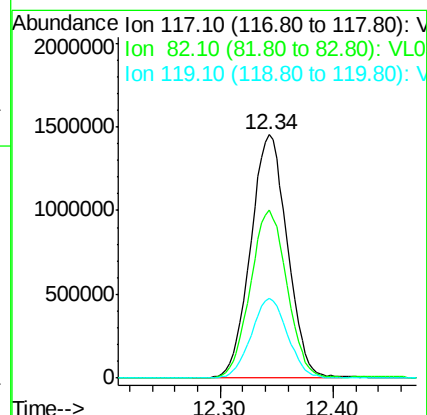
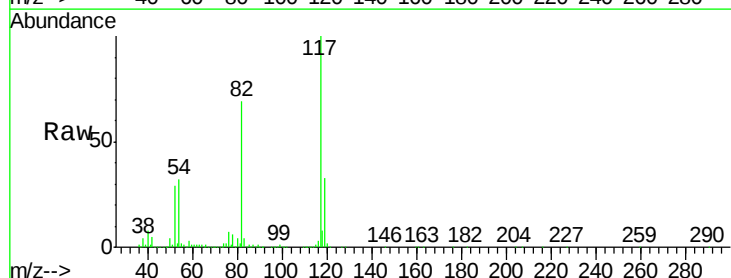
Tgt Ion: 117 Resp: 3275773

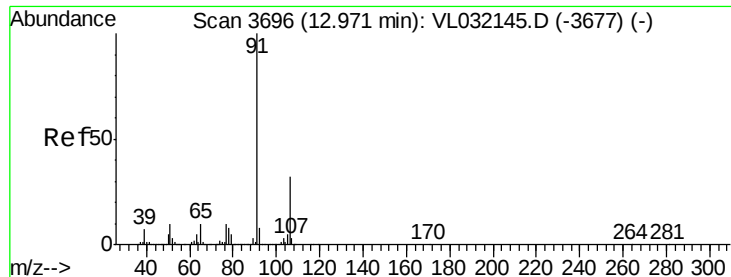
Ion Ratio Lower Upper

117 100

82 69.2 47.8 71.8

119 32.5 43.3 64.9#





#58

Ethyl Benzene

Concen: 1.14 ppbv

RT: 12.97 min Scan# 3695

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

ClientSampled :

MID

Tot Ion: 91 Resp: 601334

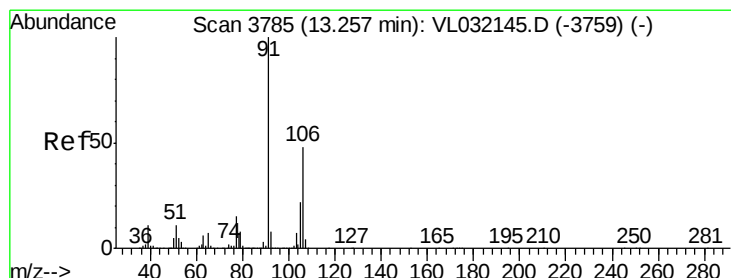
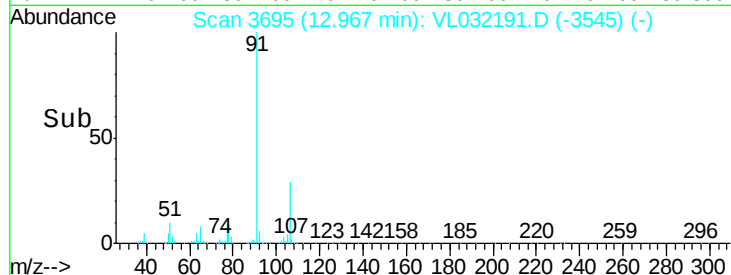
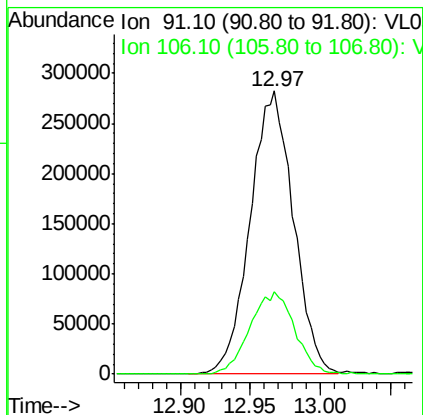
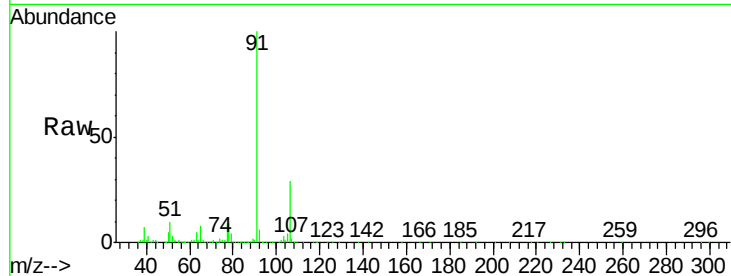
Ion Ratio Lower Upper

91 100

106 29.0 26.5 39.7

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7/3/2018 5:17:18 PM



#59

m/p-Xylene

Concen: 4.18 ppbv

RT: 13.22 min Scan# 3774

Delta R.T. -0.05 min

Lab File: VL032191.D

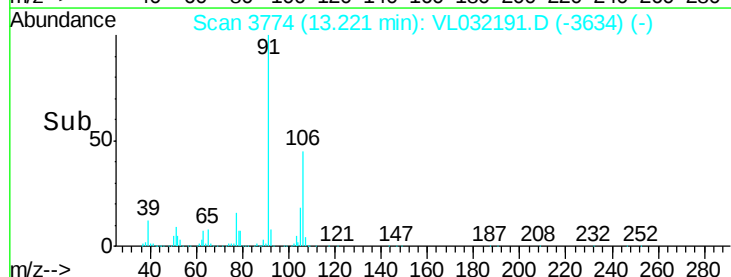
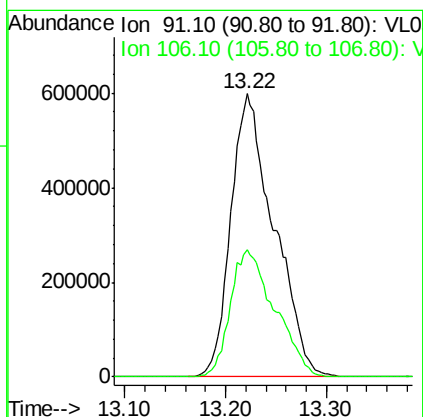
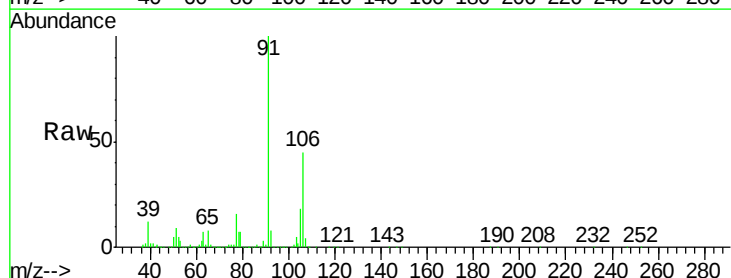
Acq: 2 Jul 2018 21:08

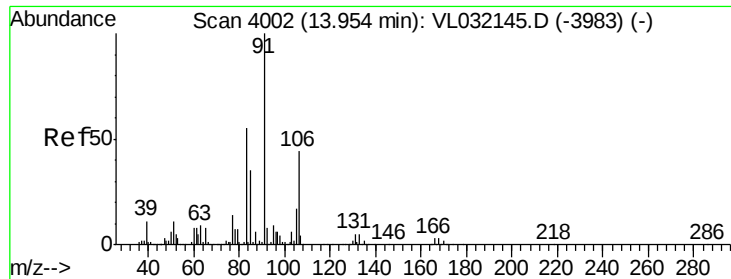
Tgt Ion: 91 Resp: 1770188

Ion Ratio Lower Upper

91 100

106 46.4 38.6 58.0





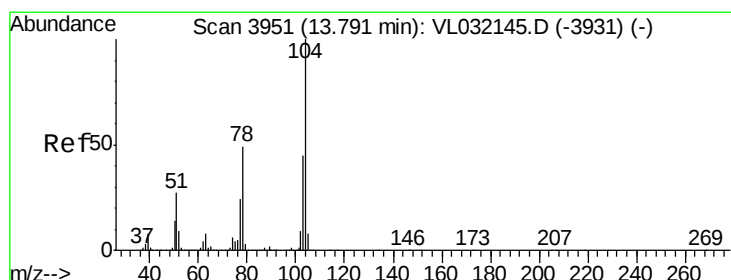
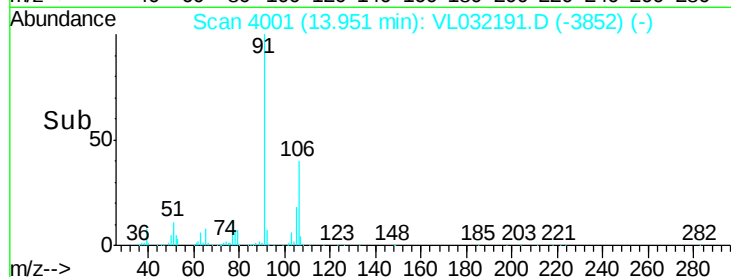
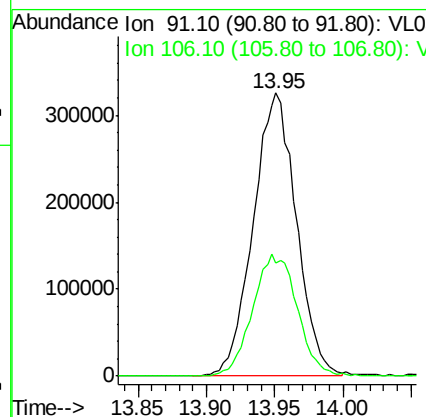
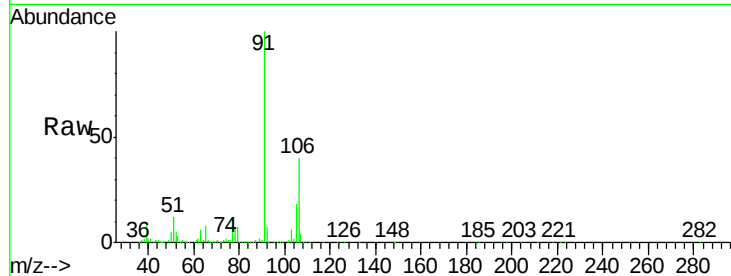
#60
o-Xylene
Concen: 1.69 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Instrument :
MSVOA_L
ClientSampleId :
MID

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		712877		
106	44.5	23.3	69.8		

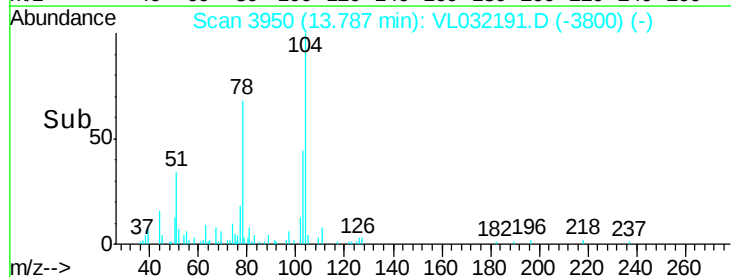
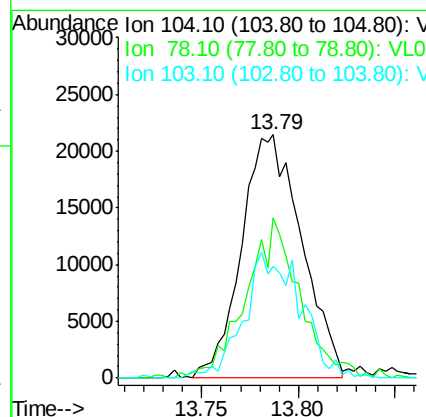
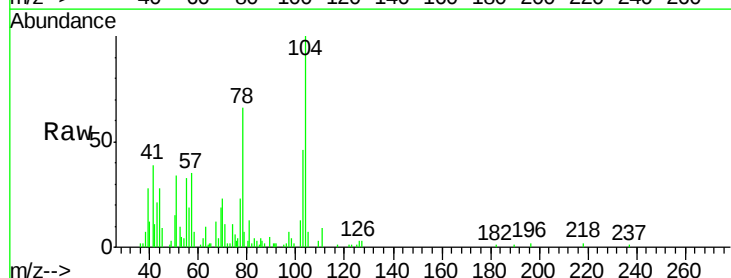
Manual Integrations
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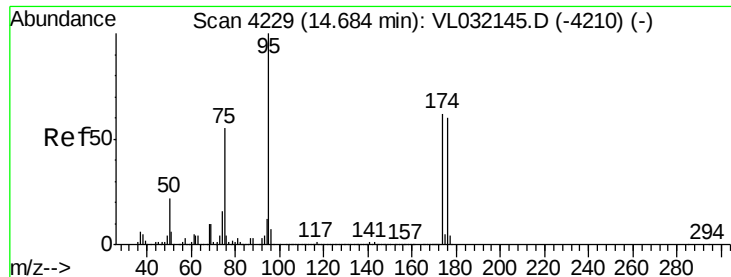
MMDadoda
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#61
Styrene
Concen: 0.13 ppbv
RT: 13.79 min Scan# 3950
Delta R.T. -0.02 min
Lab File: VL032191.D
Acq: 2 Jul 2018 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		46389		
78	60.1	37.9	56.9#		
103	49.0	36.6	55.0		





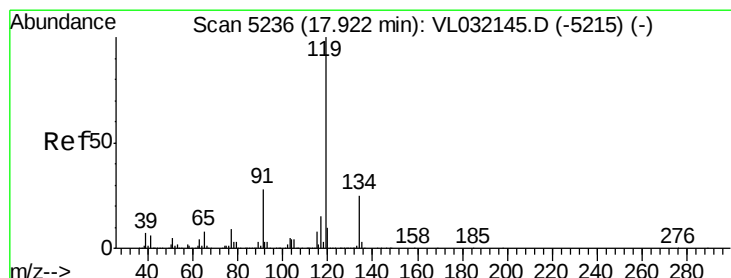
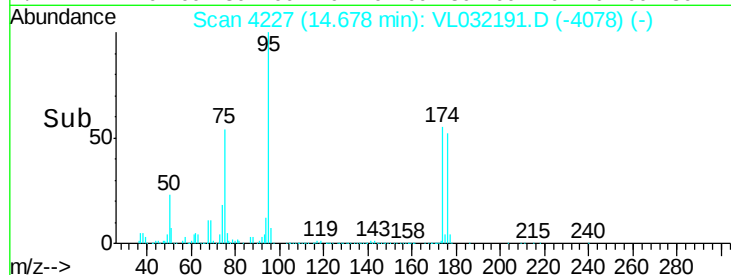
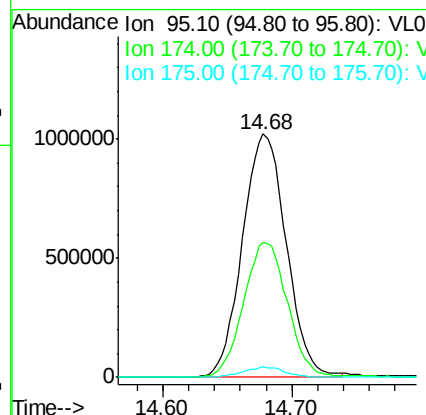
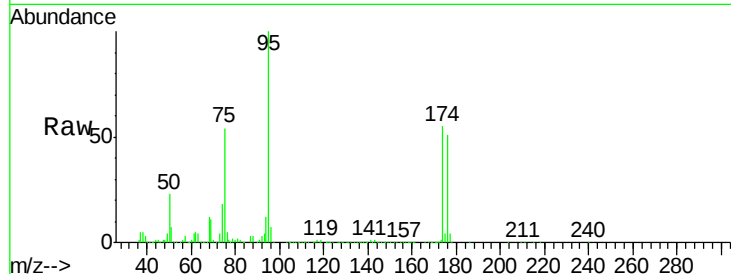
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.65 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Instrument :
 MSVOA_L
 ClientSampled :
 MID

Tot Ion: 95 Resp: 2416176
 Ion Ratio Lower Upper
 95 100
 174 56.5 52.1 78.1
 175 4.1 4.0 6.0

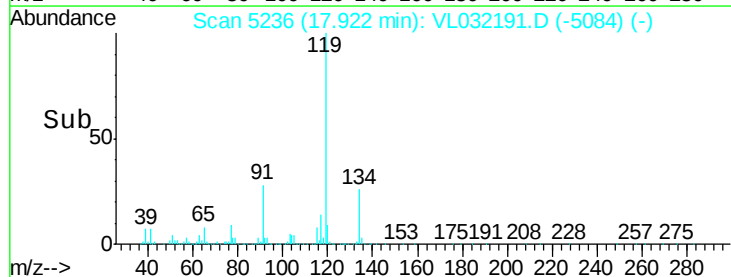
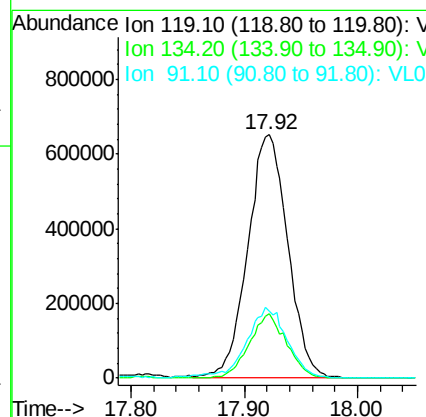
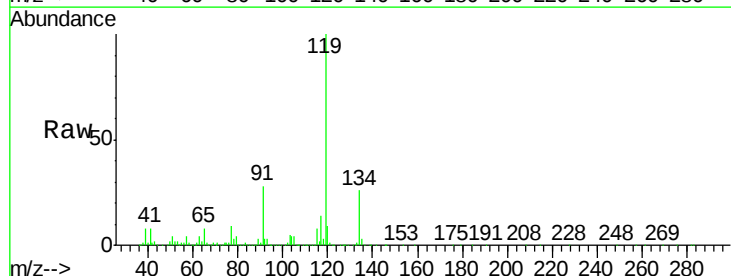
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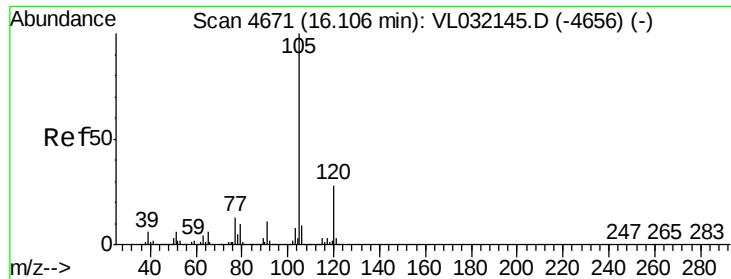
MMDadoda
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#69
 p-Isopropyltoluene
 Concen: 2.37 ppbv
 RT: 17.92 min Scan# 5236
 Delta R.T. -0.01 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Tgt Ion: 119 Resp: 1590043
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.7 31.1
 91 29.7 21.8 32.8





#72

4-Ethyltoluene

Concen: 0.44 ppbv

RT: 16.10 min Scan# 4670

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

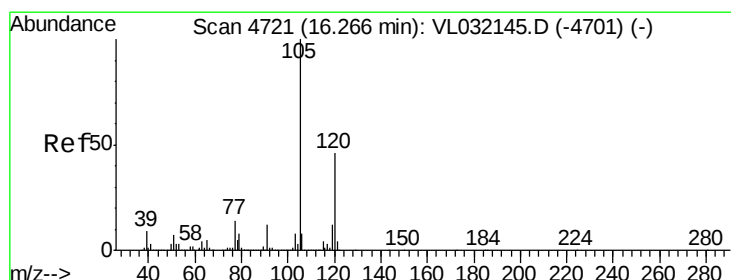
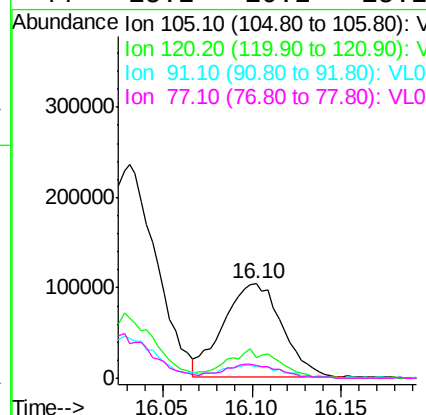
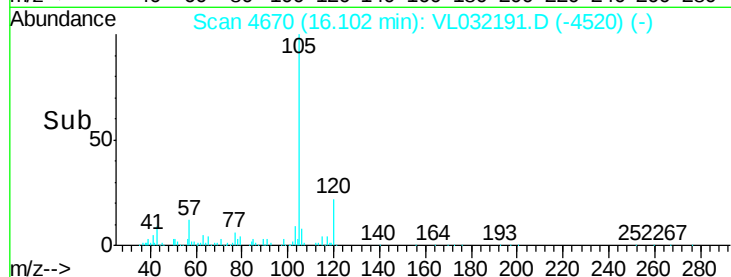
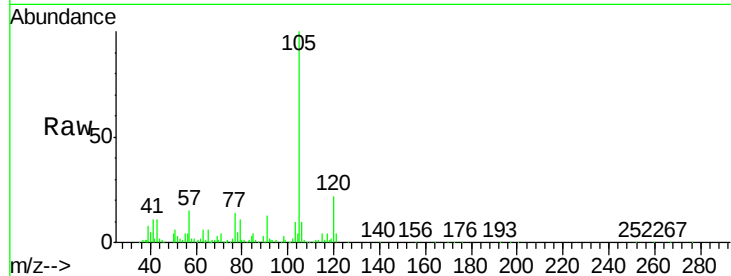
ClientSampleId :

MID

Tot Ion	Ratio	Resp	Lower	Upper
105	100	237253		
120	27.3	24.3	36.5	
91	14.9	9.4	14.0	
77	15.2	10.2	15.2	

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#73

1,3,5-Trimethylbenzene

Concen: 0.38 ppbv

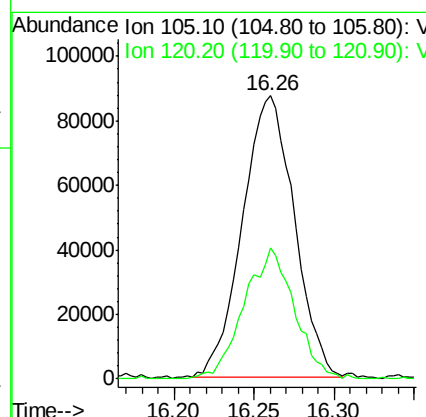
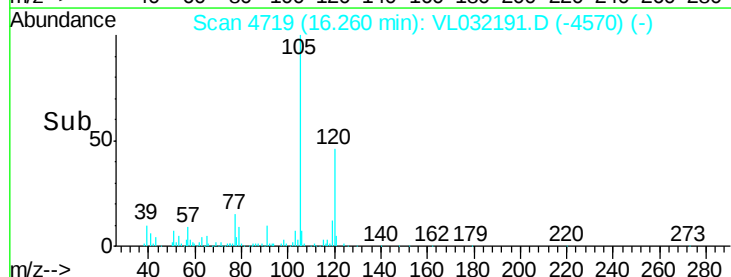
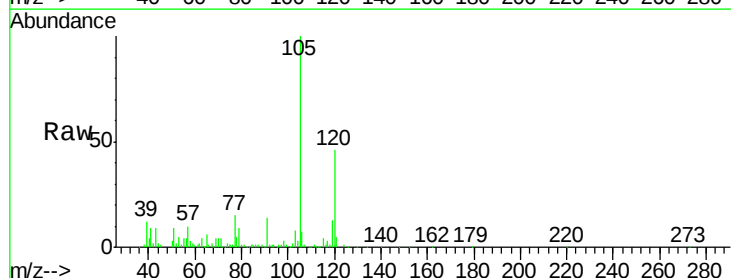
RT: 16.26 min Scan# 4719

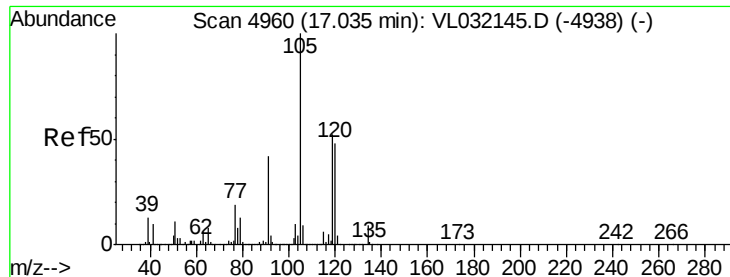
Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192788		
120	46.5	38.6	57.8	





#74

1,2,4-Trimethylbenzene

Concen: 1.58 ppbv

RT: 17.03 min Scan# 4958

Delta R.T. -0.02 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Instrument :

MSVOA_L

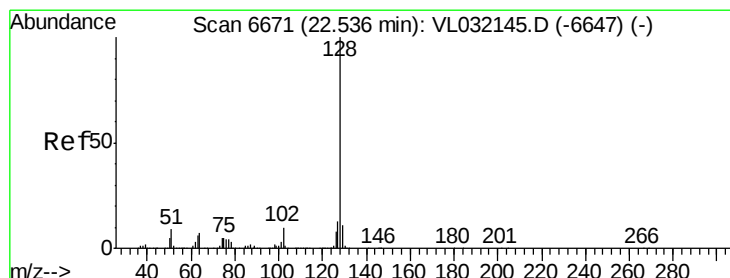
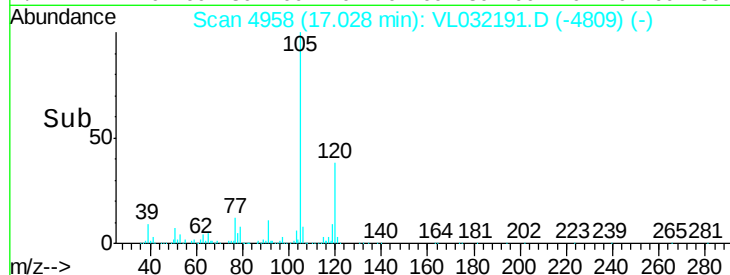
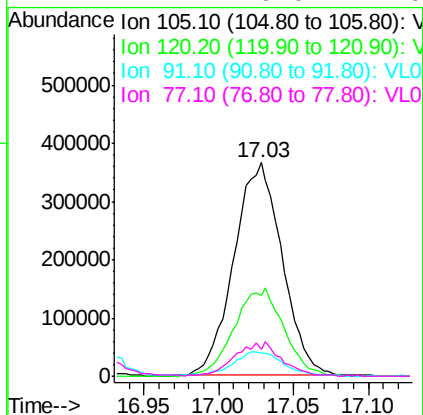
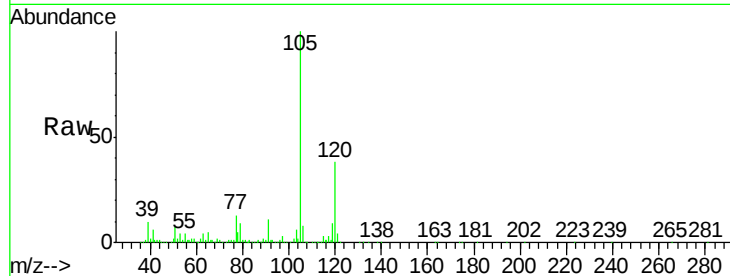
ClientSampled :

MID

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	100		818725		
120	37.5		38.8	58.2#	
91	10.6		33.6	50.4#	
77	12.4		16.0	24.0#	

Manual Integrations
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#79

Naphthalene

Concen: 0.25 ppbv m

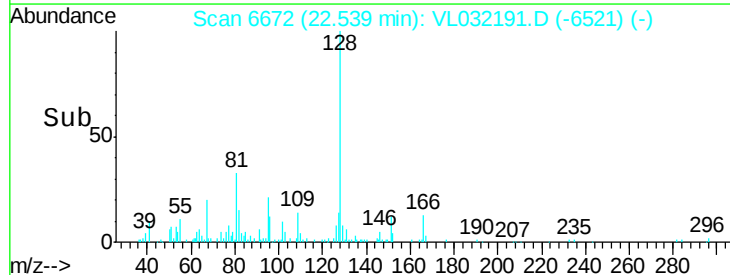
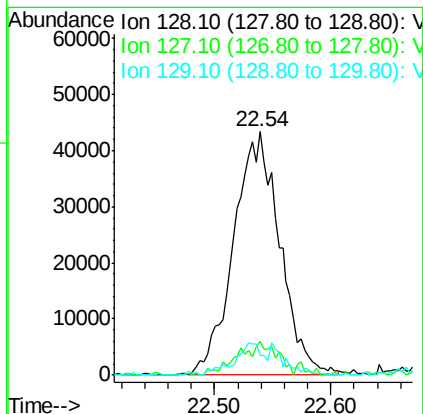
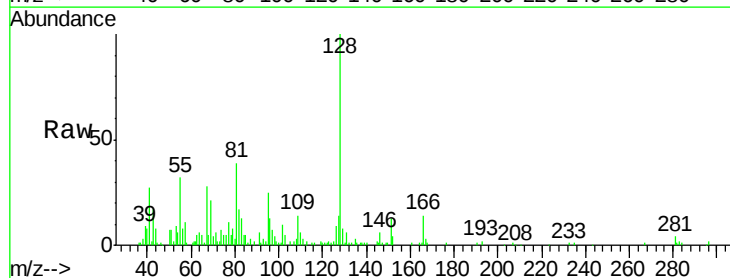
RT: 22.54 min Scan# 6672

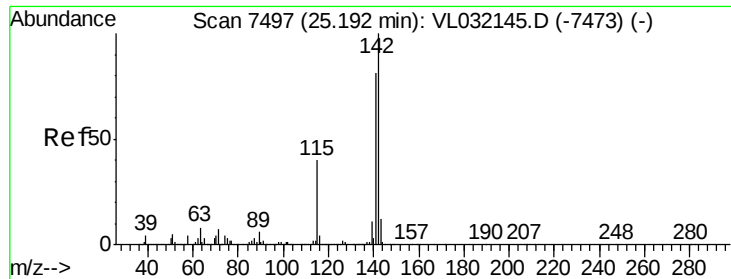
Delta R.T. -0.01 min

Lab File: VL032191.D

Acq: 2 Jul 2018 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		119129		
127	14.1		10.5	15.7	
129	8.0		9.0	13.6#	





#80
 Naphthalene, 2-methyl-
 Concen: 0.30 ppbv
 RT: 25.19 min Scan# 7497
 Delta R.T. -0.01 min
 Lab File: VL032191.D
 Acq: 2 Jul 2018 21:08

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	81.7	65.8	98.6
115	48.6	29.4	44.0

Manual Integrations
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