

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032044.D
 Acq On : 2 Jun 2018 6:45
 Operator : SY/AP
 Sample : J3137-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:36:00 PM

Quant Time: Jun 03 14:12:00 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1124821	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2141604	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2201142	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1728560	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	20354	0.15	ppbv	96
3) Chlorodifluoromethane	3.08	51	36372m	0.34	ppbv	
4) Chloromethane	3.25	50	44071	0.82	ppbv	98
5) Vinyl Chloride	3.36	62	9249	0.16	ppbv	96
6) Bromomethane	3.59	94	8359m	0.20	ppbv	
7) Chloroethane	3.68	64	6763	0.27	ppbv	96
9) Propene	3.11	41	84980	2.46	ppbv	92
10) Heptane	8.36	43	96730	0.79	ppbv	97
11) Trichlorofluoromethane	4.09	101	76328	0.37	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.64	101	44188	0.31	ppbv	96
14) Bromoethene	3.87	108	6841	0.14	ppbv #	92
15) Acetone	3.99	43	1068652	7.88	ppbv	96
18) 1,1-Dichloroethene	4.44	96	10509m	0.17	ppbv	
20) Methylene Chloride	4.50	84	73882	1.20	ppbv	97
22) trans-1,2-Dichloroethene	5.07	96	12141m	0.18	ppbv	
24) 1,1-Dichloroethane	5.18	63	32862m	0.18	ppbv	
26) Hexane	5.88	57	246160	1.97	ppbv #	51
27) Carbon Disulfide	4.72	76	362045	2.21	ppbv	95
29) Chloroform	5.95	83	246517	1.17	ppbv	98
30) Cyclohexane	7.36	84	43015m	0.58	ppbv	
31) cis-1,2-Dichloroethene	5.75	61	13844	0.12	ppbv #	93
32) 1,1,1-Trichloroethane	6.73	97	26656	0.16	ppbv	98
34) 2-Butanone	5.44	43	174308	1.03	ppbv	95
35) Carbon Tetrachloride	7.24	117	424004	2.32	ppbv	98
36) Benzene	7.12	78	153965	0.82	ppbv	98
37) 1,2-Dichloroethane	6.52	62	33408m	0.25	ppbv	
38) Trichloroethene	8.08	130	21138	0.29	ppbv #	81
42) Bromodichloromethane	8.03	83	27607	0.16	ppbv #	98
44) 2,2,4-Trimethylpentane	8.11	57	199079	0.62	ppbv #	76
47) 1,1,2-Trichloroethane	9.73	97	12169m	0.14	ppbv	
48) Dibromochloromethane	10.58	129	16943m	0.12	ppbv	
49) Bromoform	13.32	173	10532m	0.09	ppbv	
52) Tetrachloroethene	11.50	164	16367m	0.22	ppbv	
53) Toluene	10.07	91	558384	2.65	ppbv	99
54) 1,2-Dibromoethane	10.88	107	18508m	0.15	ppbv	
58) Ethyl Benzene	12.99	91	156067	0.50	ppbv	90
59) m/p-Xylene	13.24	91	525468	1.94	ppbv	99
60) o-Xylene	13.97	91	191045	0.70	ppbv	99
64) n-propylbenzene	15.85	120	21361m	0.25	ppbv	
69) p-Isopropyltoluene	17.94	119	53261	0.16	ppbv #	88
70) n-Butylbenzene	18.84	91	61434m	0.17	ppbv	

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
Data File : VL032044.D
Acq On : 2 Jun 2018 6:45
Operator : SY/AP
Sample : J3137-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1

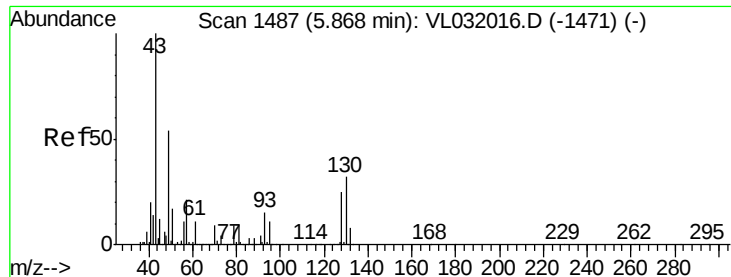
Manual Integrations
APPROVED

MMDadoda
6/4/2018 3:36:00 PM

Quant Time: Jun 03 14:12:00 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.74	91	27286	0.11	ppbv	89
72) 4-Ethyltoluene	16.12	105	94891	0.35	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.28	105	78501	0.31	ppbv	94
74) 1,2,4-Trimethylbenzene	17.04	105	268989	0.96	ppbv #	71
79) Naphthalene	22.56	128	89950	0.56	ppbv #	90

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 49 Resp: 1124821

Ion Ratio Lower Upper

49 100

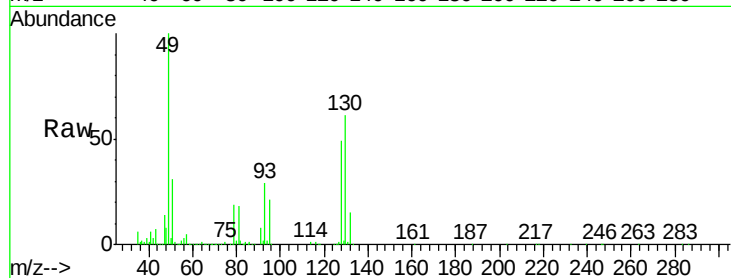
128 49.8 24.1 72.3

130 62.4 30.9 92.8

Manual Integrations
APPROVED

MMDadoda

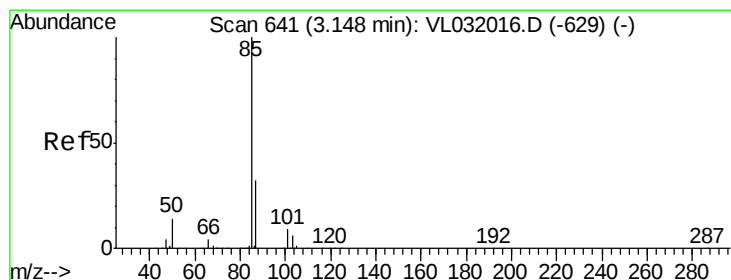
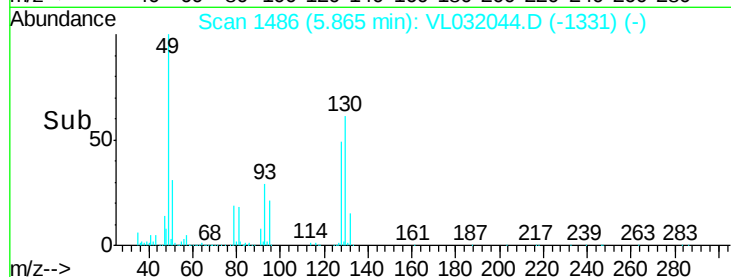
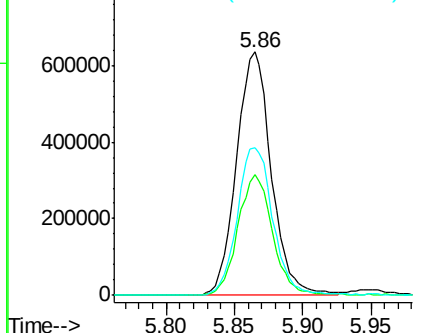
6/4/2018 3:36:00 PM



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: 0.15 ppbv

RT: 3.15 min Scan# 641

Delta R.T. 0.00 min

Lab File: VL032044.D

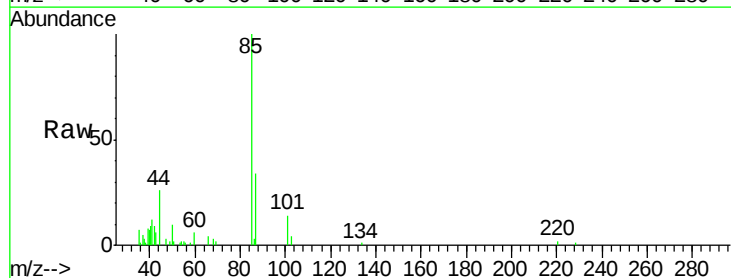
Acq: 2 Jun 2018 6:45

Tgt Ion: 85 Resp: 20354

Ion Ratio Lower Upper

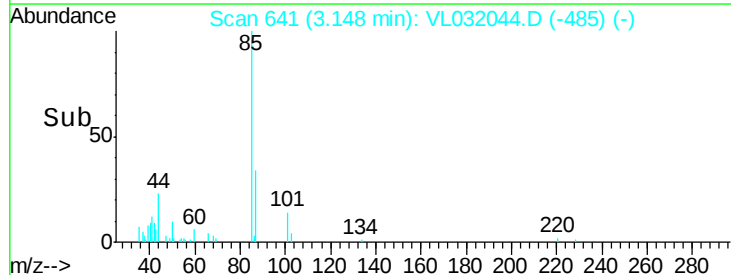
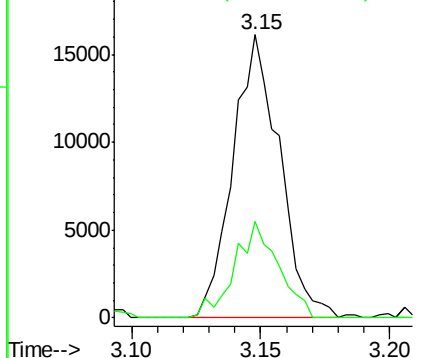
85 100

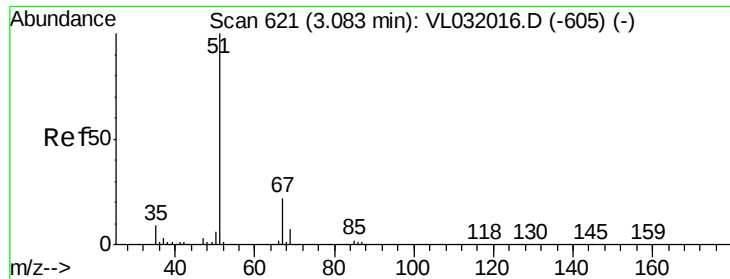
87 33.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.34 ppbv m

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tot Ion: 51 Resp: 36372

Ion Ratio Lower Upper

51 100

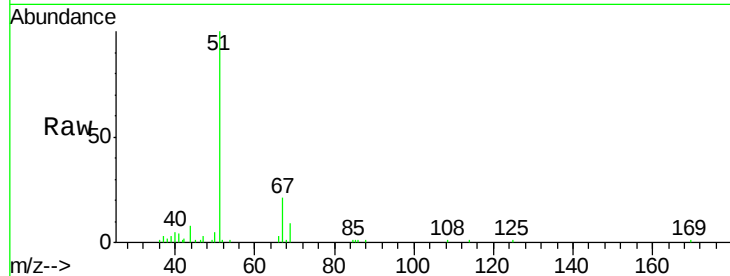
67 21.5 17.2 25.8

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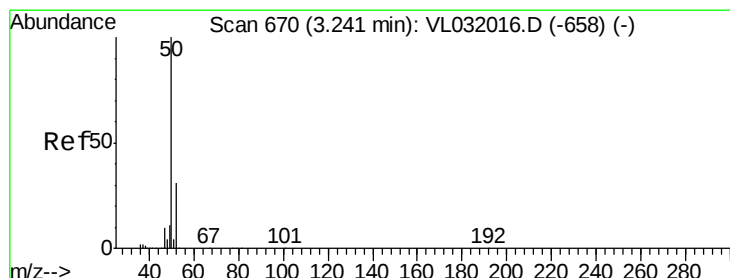
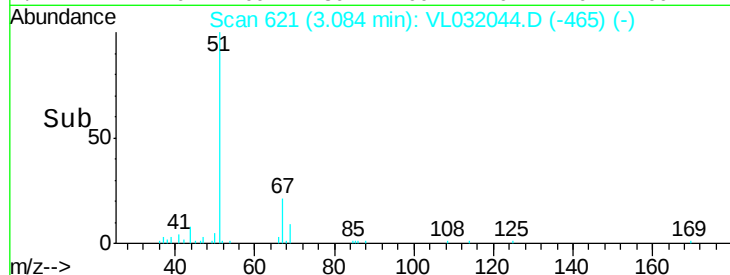
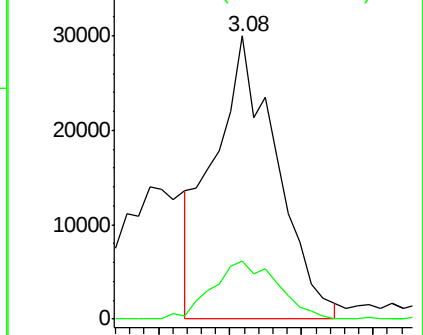
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.82 ppbv

RT: 3.25 min Scan# 672

Delta R.T. 0.01 min

Lab File: VL032044.D

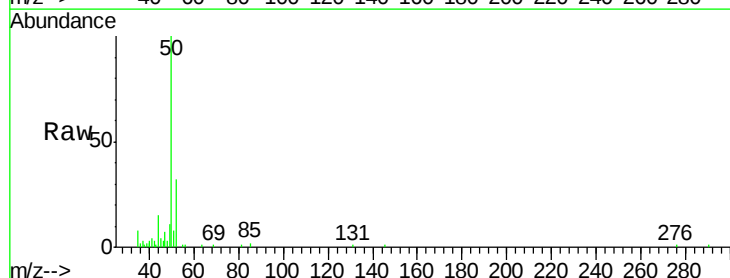
Acq: 2 Jun 2018 6:45

Tgt Ion: 50 Resp: 44071

Ion Ratio Lower Upper

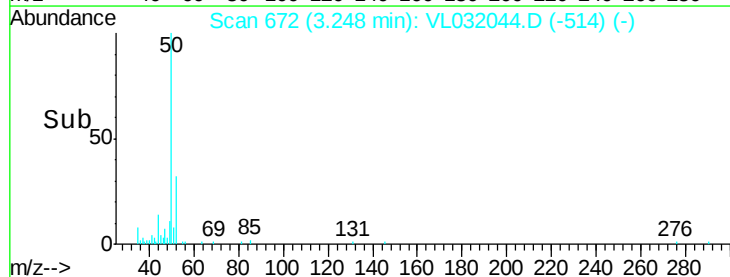
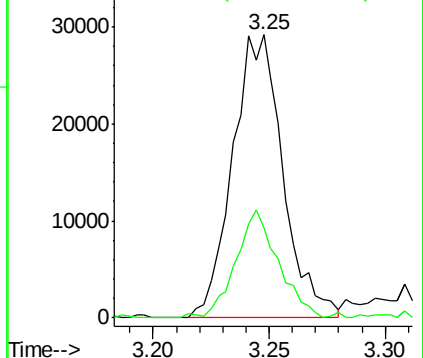
50 100

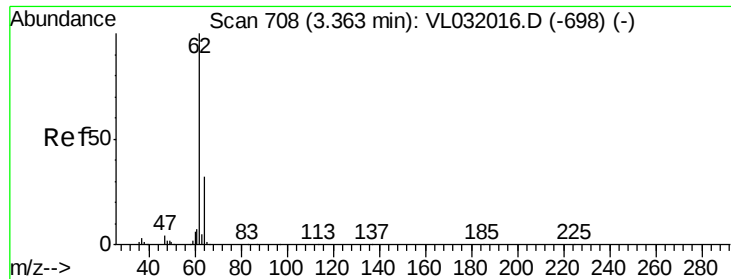
52 30.2 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.16 ppbv

RT: 3.36 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tot Ion: 62 Resp: 9249

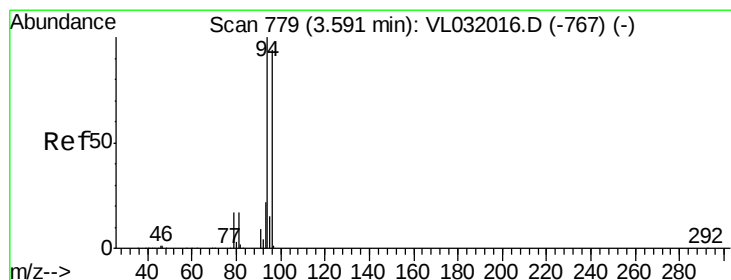
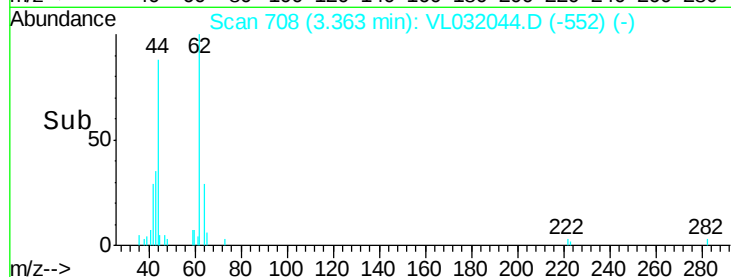
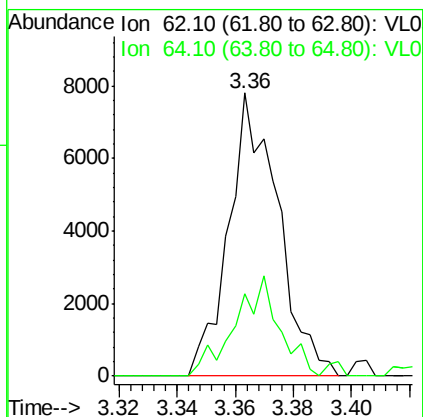
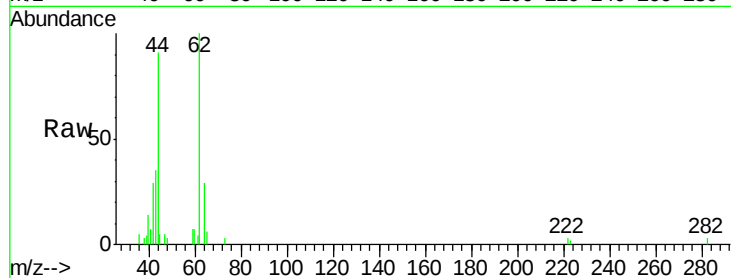
Ion Ratio Lower Upper

62 100

64 29.0 25.2 37.8

Manual Integrations
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#6

Bromomethane

Concen: 0.20 ppbv m

RT: 3.59 min Scan# 780

Delta R.T. 0.00 min

Lab File: VL032044.D

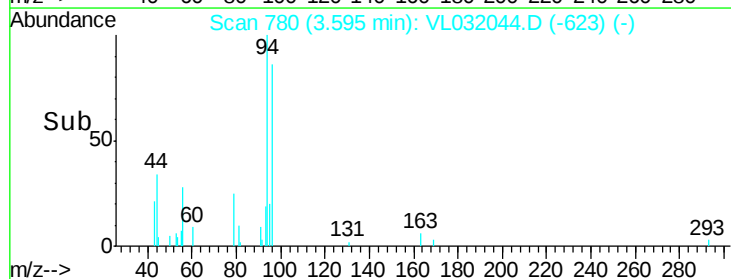
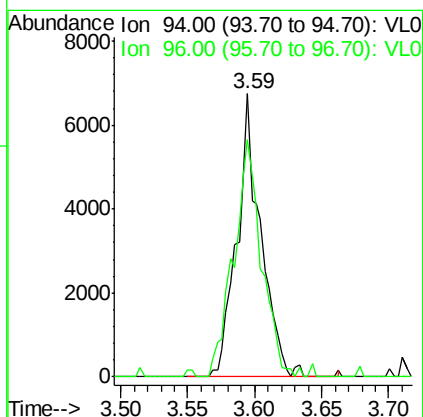
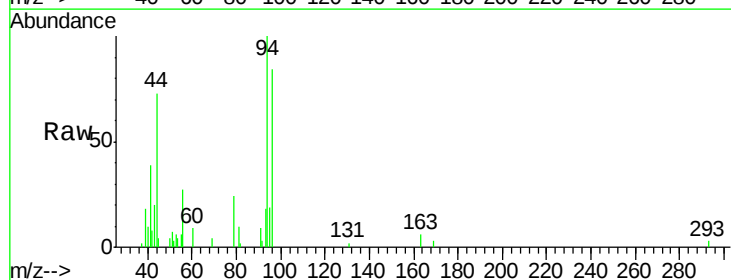
Acq: 2 Jun 2018 6:45

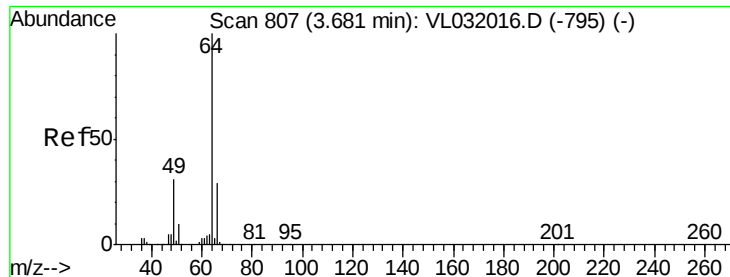
Tgt Ion: 94 Resp: 8359

Ion Ratio Lower Upper

94 100

96 83.9 75.1 112.7





#7

Chloroethane

Concen: 0.27 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 64 Resp: 6763

Ion Ratio Lower Upper

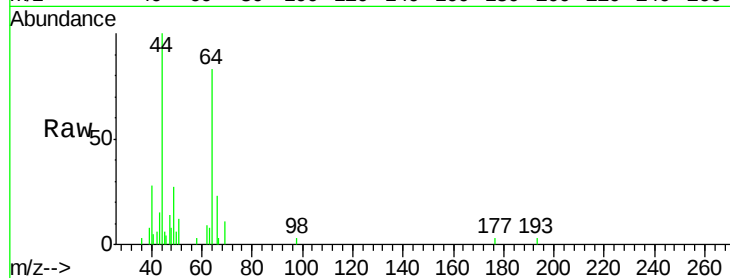
64 100

66 31.4 23.4 35.2

Manual Integrations
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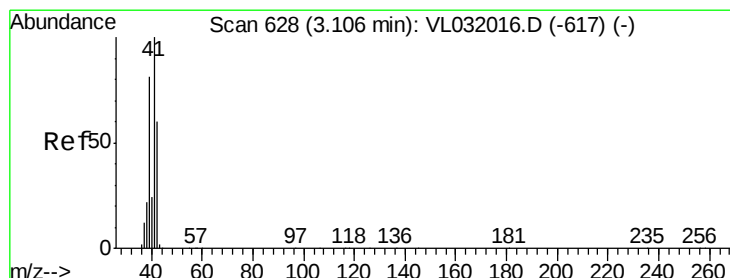
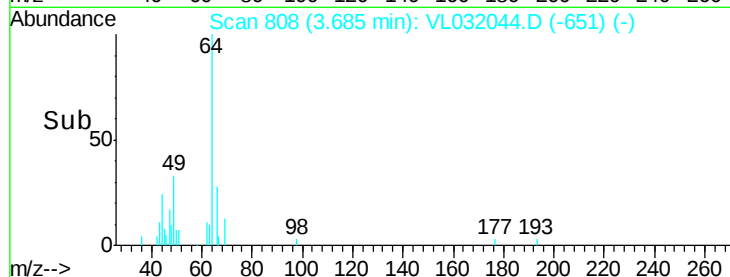
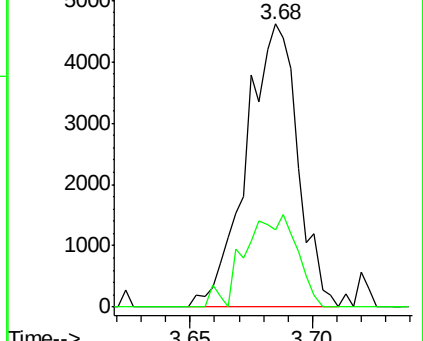
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.46 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.01 min

Lab File: VL032044.D

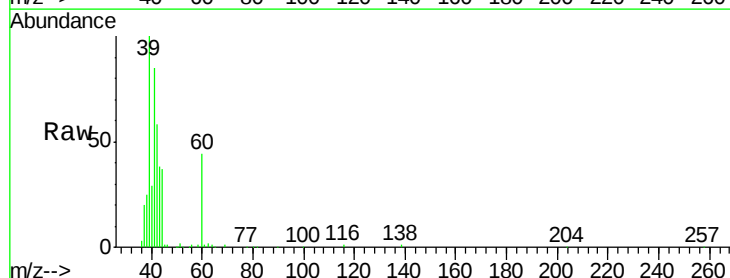
Acq: 2 Jun 2018 6:45

Tgt Ion: 41 Resp: 84980

Ion Ratio Lower Upper

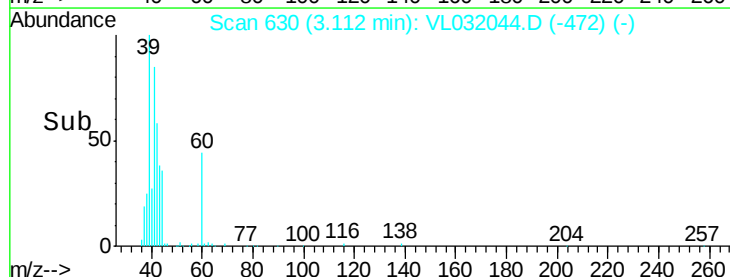
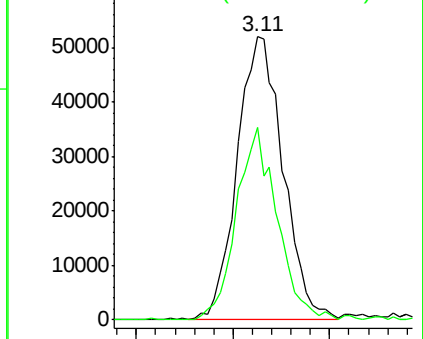
41 100

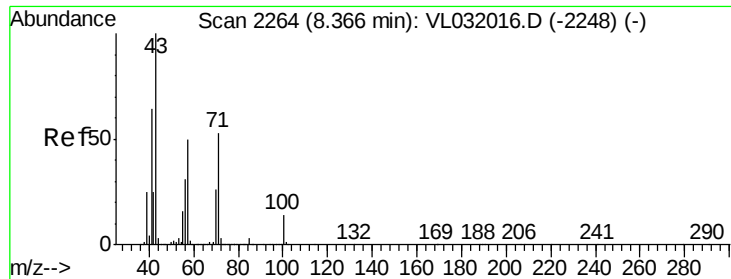
42 61.3 54.4 81.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





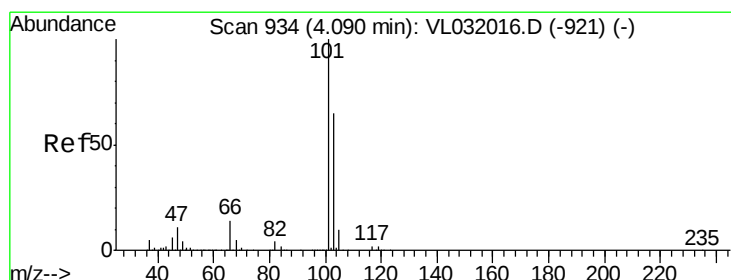
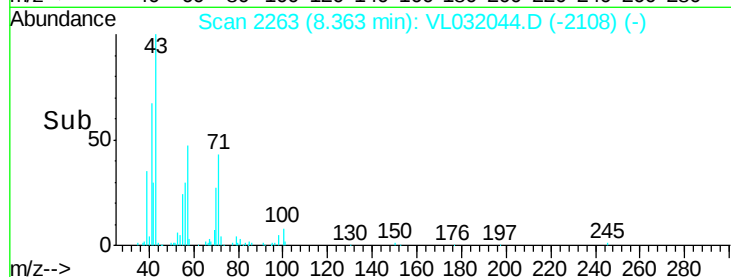
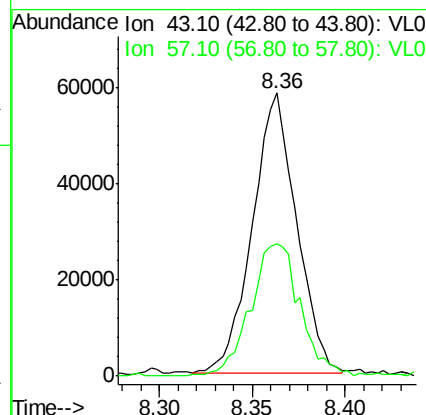
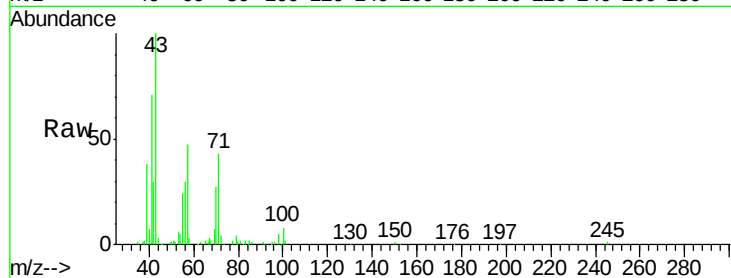
#10
Heptane
Concen: 0.79 ppbv
RT: 8.36 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion: 43 Resp: 96730
Ion Ratio Lower Upper
43 100
57 54.0 41.7 62.5

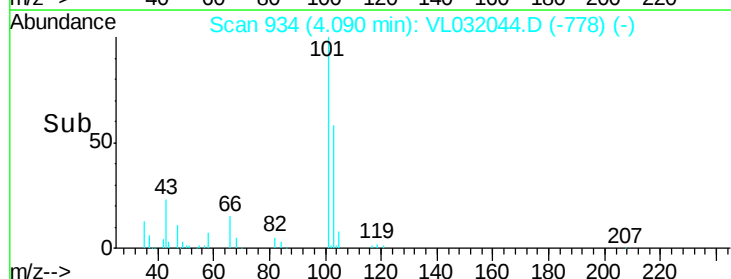
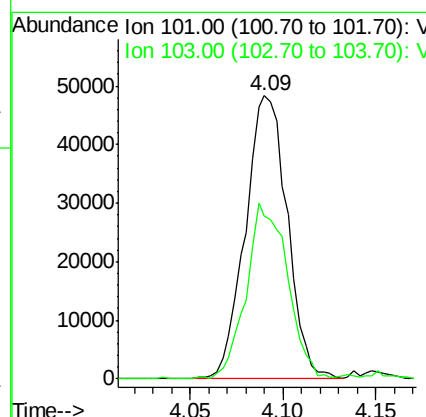
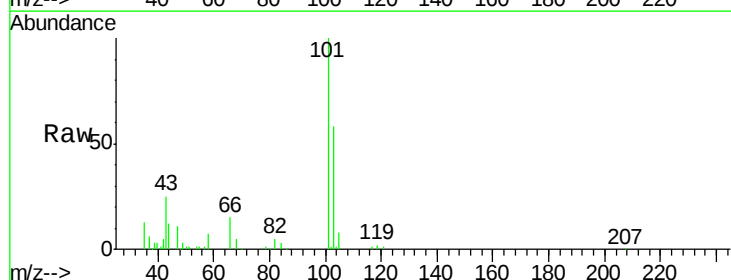
Manual Integrations
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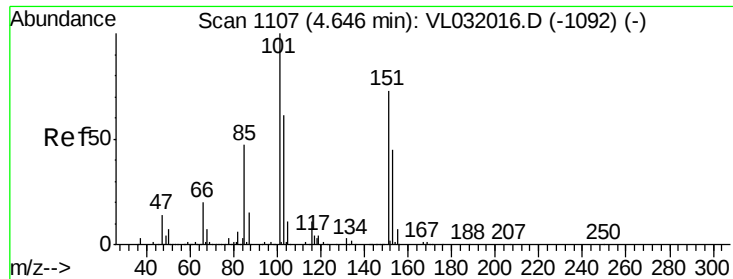
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6/4/2018 3:36:00 PM



#11
Trichlorofluoromethane
Concen: 0.37 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion: 101 Resp: 76328
Ion Ratio Lower Upper
101 100
103 57.8 52.0 78.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.31 ppbv

RT: 4.64 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion:101 Resp: 44188

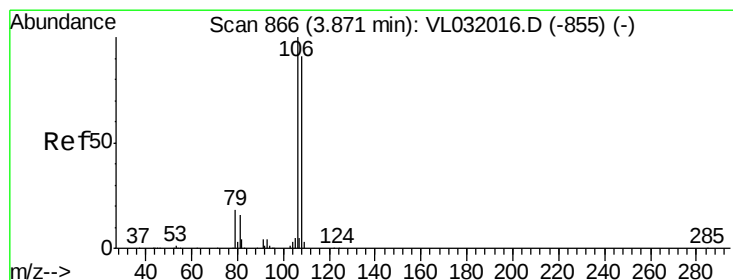
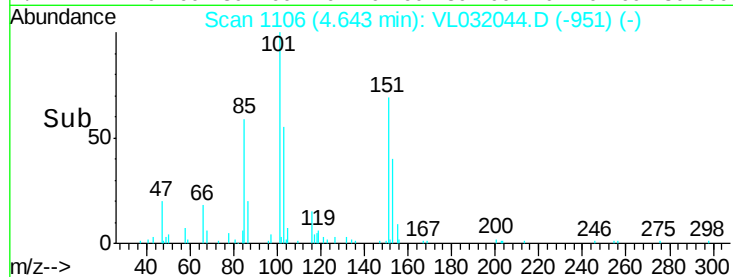
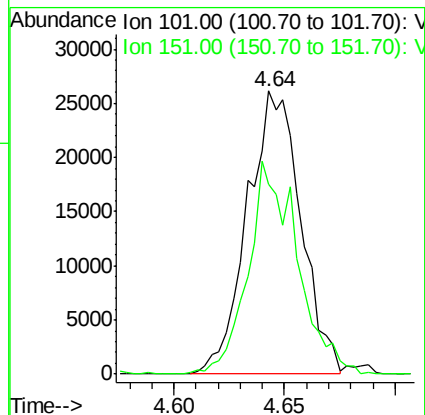
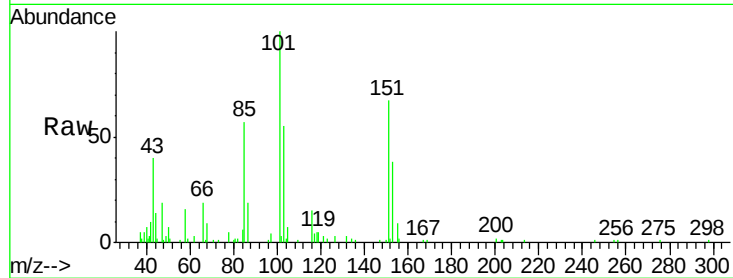
Ion Ratio Lower Upper

101 100

151 69.2 58.2 87.4

Manual Integrations
APPROVED

MMDadoda
6/4/2018 3:36:00 PM



#14

Bromoethene

Concen: 0.14 ppbv

RT: 3.87 min Scan# 867

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

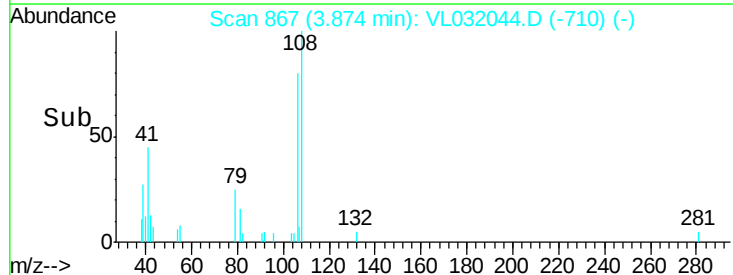
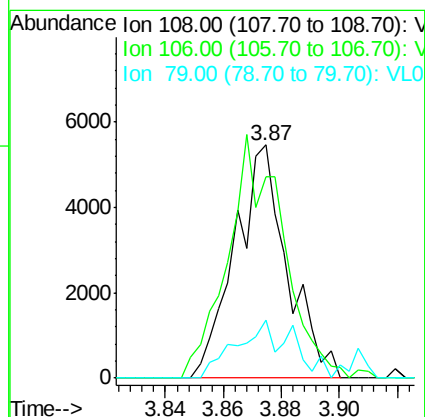
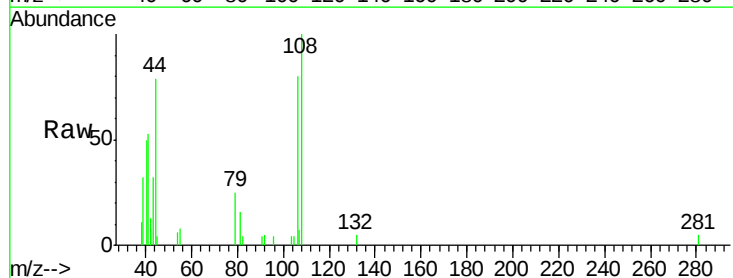
Tgt Ion:108 Resp: 6841

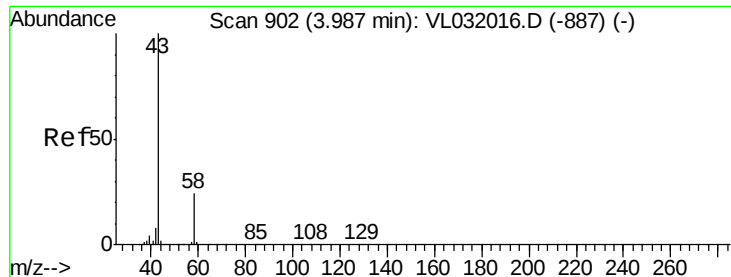
Ion Ratio Lower Upper

108 100

106 111.4 85.1 127.7

79 30.3 15.2 22.8#





#15

Acetone

Concen: 7.88 ppbv

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 43 Resp: 1068652

Ion Ratio Lower Upper

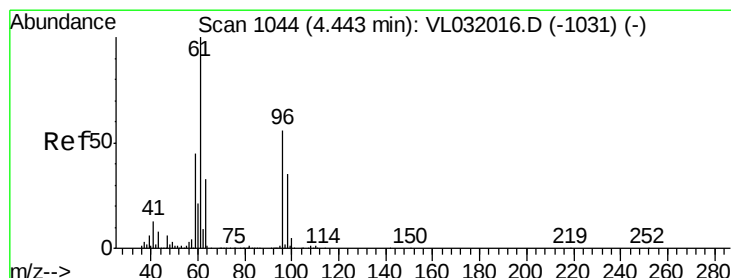
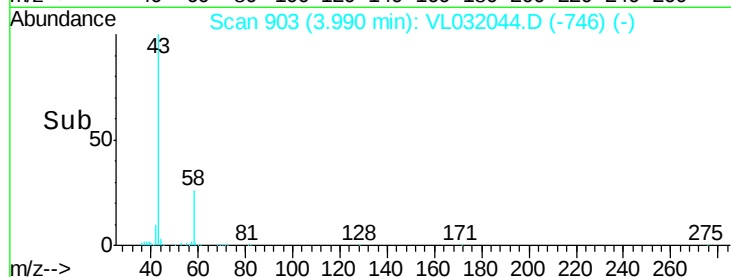
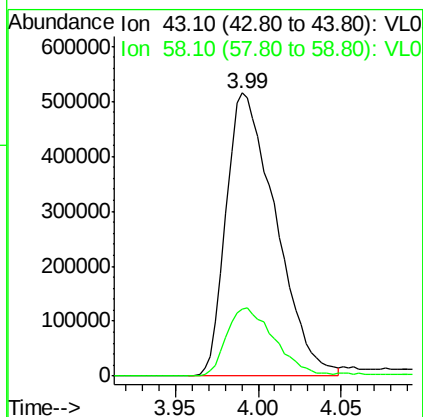
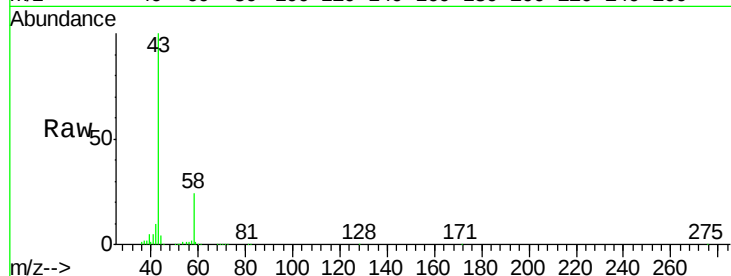
43 100

58 24.1 20.7 31.1

Manual Integrations
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6/4/2018 3:36:00 PM



#18

1,1-Dichloroethene

Concen: 0.17 ppbv m

RT: 4.44 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

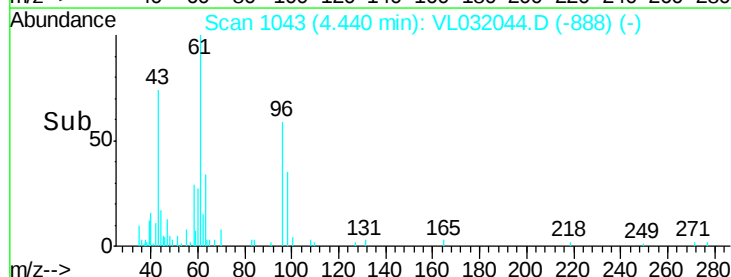
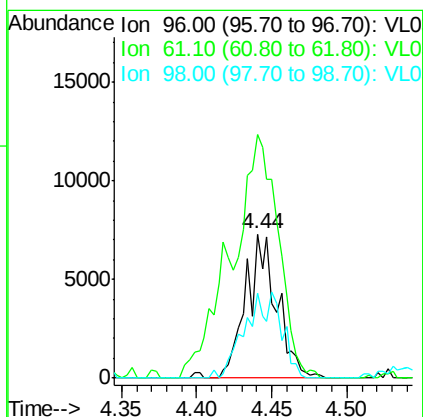
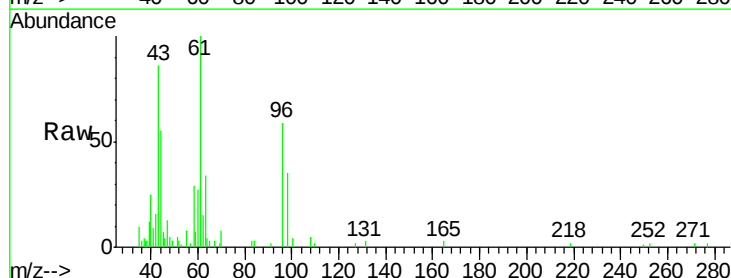
Tgt Ion: 96 Resp: 10509

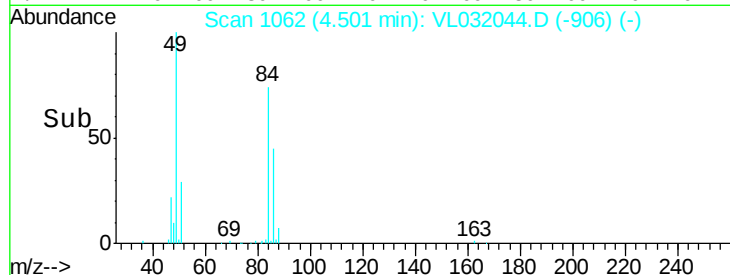
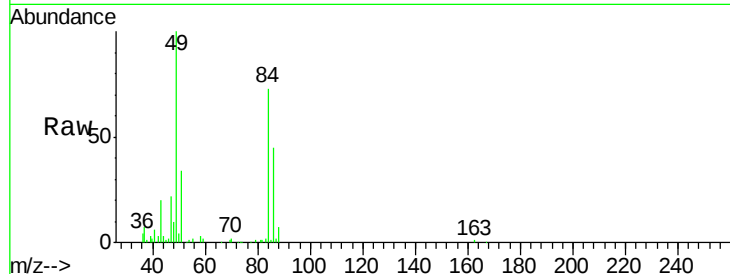
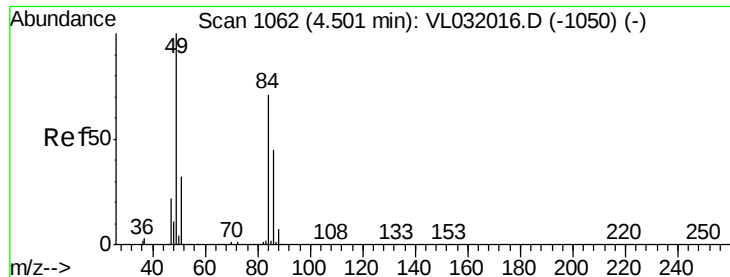
Ion Ratio Lower Upper

96 100

61 169.2 143.5 215.3

98 59.0 50.0 75.0





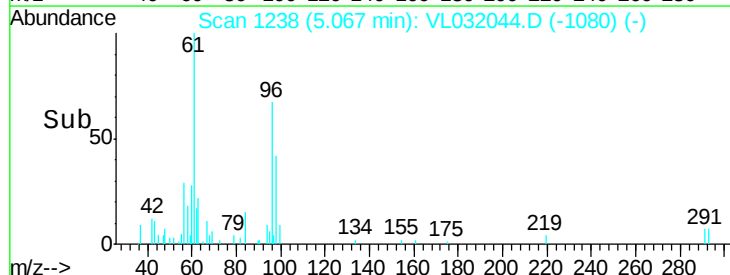
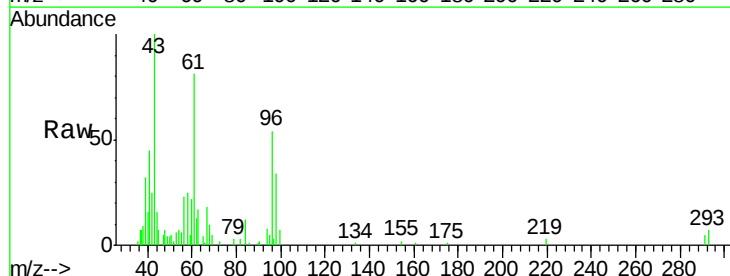
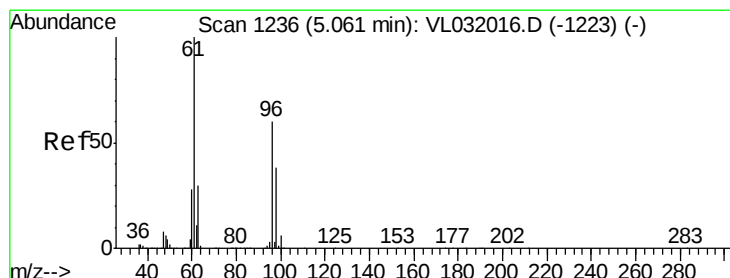
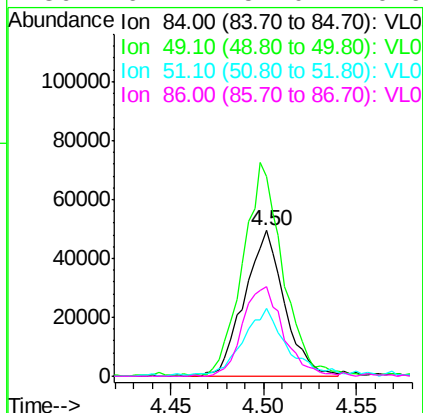
#20
Methvlene Chloride
Concen: 1.20 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tot Ion	Ratio	Lower	Upper
84	100		
49	136.1	113.0	169.4
51	44.7	36.4	54.6
86	61.4	51.0	76.6

Instrument :
MSVOA_L
ClientSampled :
SS-1

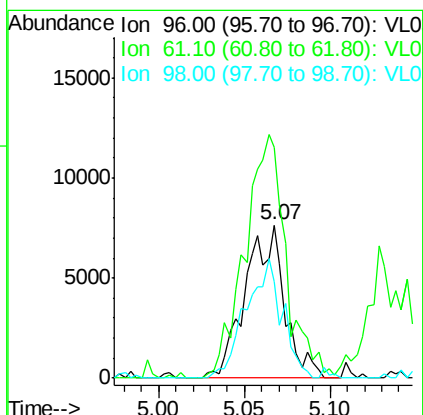
Manual Integrations
APPROVED

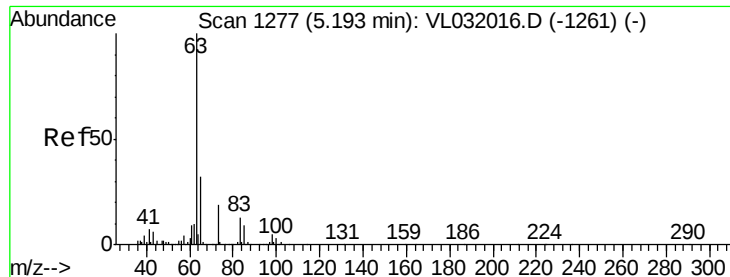
MMDadoda
6/4/2018 3:36:00 PM



#22
trans-1,2-Dichloroethene
Concen: 0.18 ppbv m
RT: 5.07 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	133.3	199.9
98	62.7	51.0	76.4





#24

1,1-Dichloroethane

Concen: 0.18 ppbv m

RT: 5.18 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

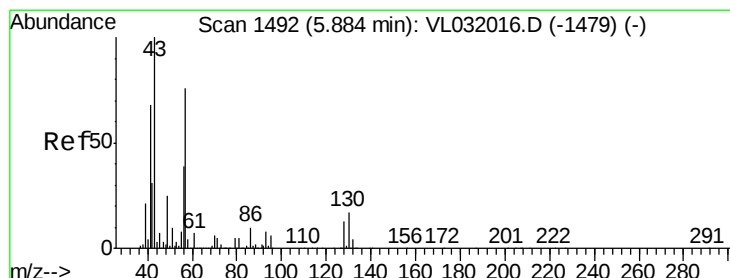
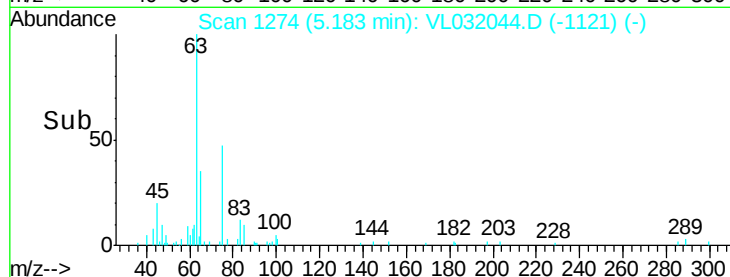
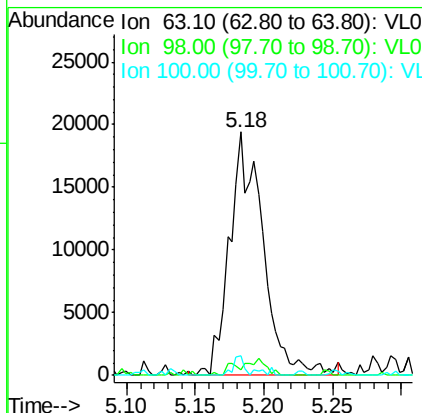
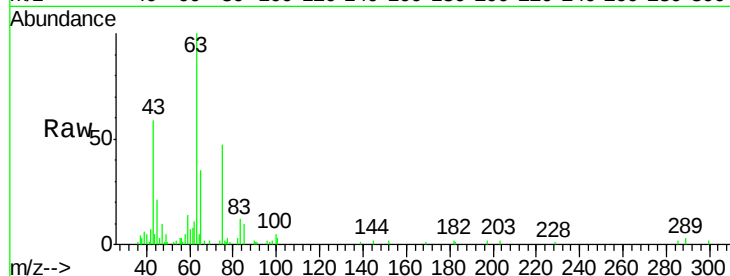
ClientSampled :

SS-1

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	2.3	2.4	7.1#	
100	4.9	1.5	4.5#	

Manual Integrations
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6/4/2018 3:36:00 PM



#26

Hexane

Concen: 1.97 ppbv

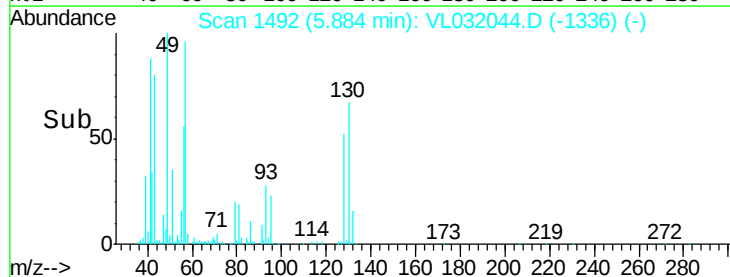
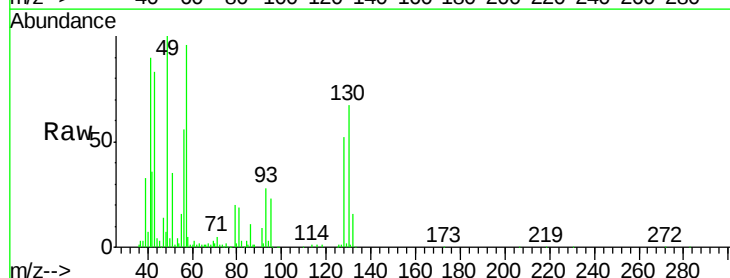
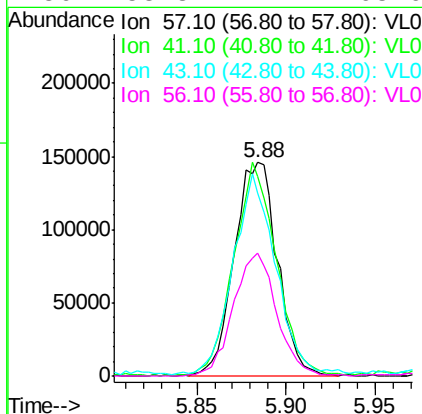
RT: 5.88 min Scan# 1492

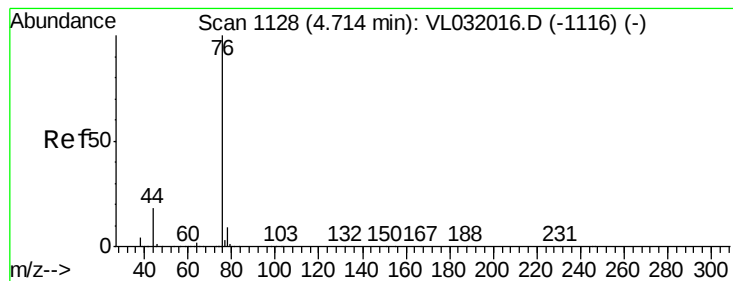
Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	98.4	71.4	107.2	
43	92.8	168.6	252.8#	
56	58.3	42.4	63.6	





#27

Carbon Disulfide

Concen: 2.21 ppbv

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

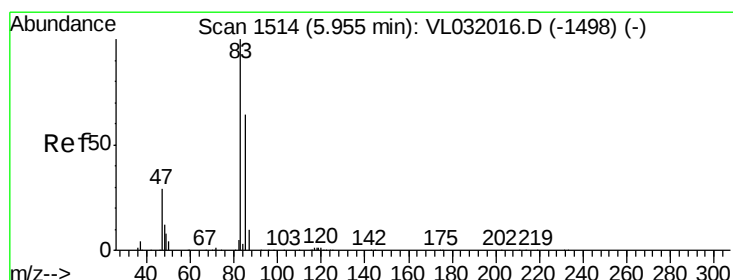
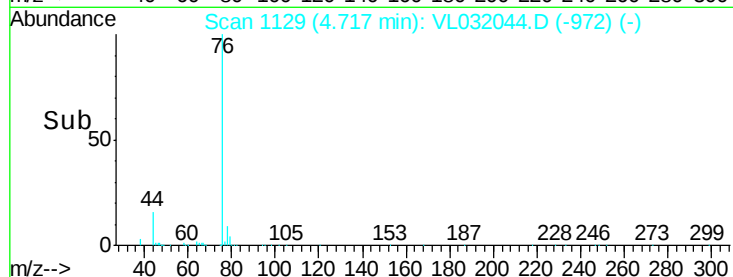
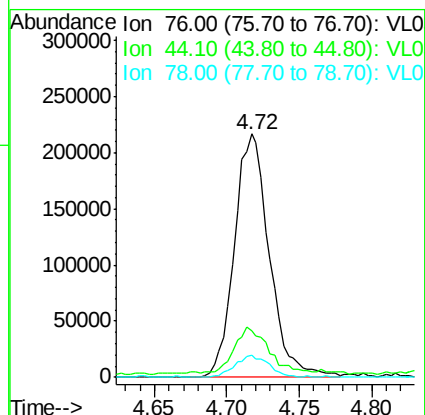
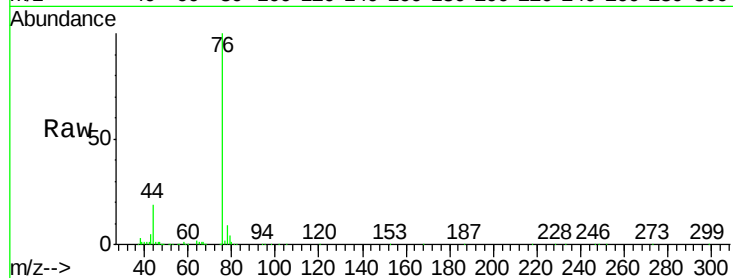
ClientSampled :

SS-1

Tot Ion:	76	Resp:	362045
Ion Ratio	Lower	Upper	
76	100		
44	21.9	14.9	22.3
78	9.1	7.6	11.4

Manual Integrations
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#29

Chloroform

Concen: 1.17 ppbv

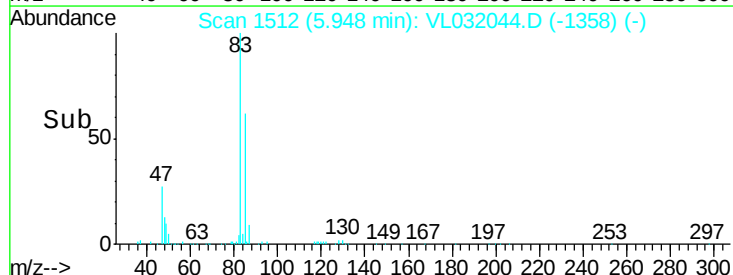
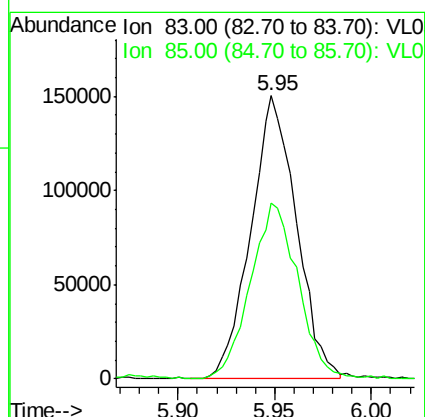
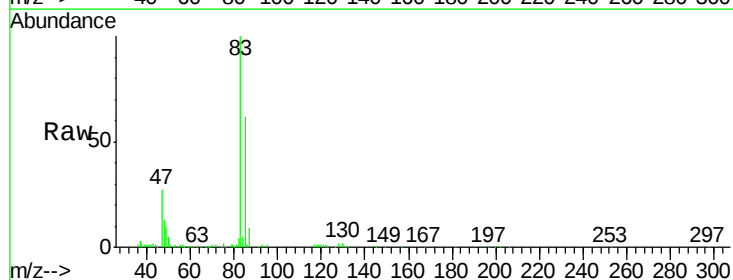
RT: 5.95 min Scan# 1512

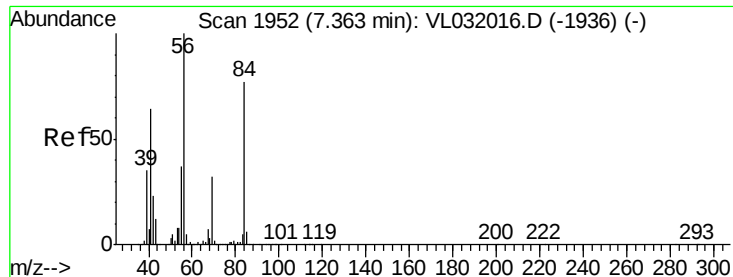
Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Tgt Ion:	83	Resp:	246517
Ion Ratio	Lower	Upper	
83	100		
85	61.8	50.9	76.3





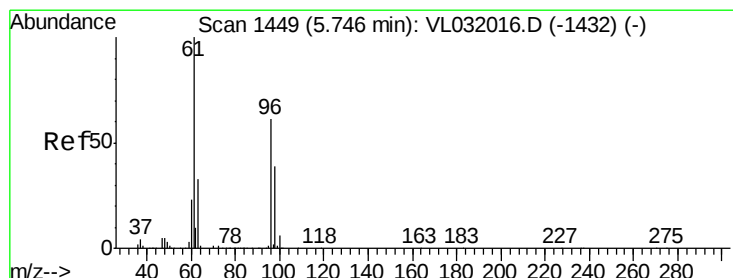
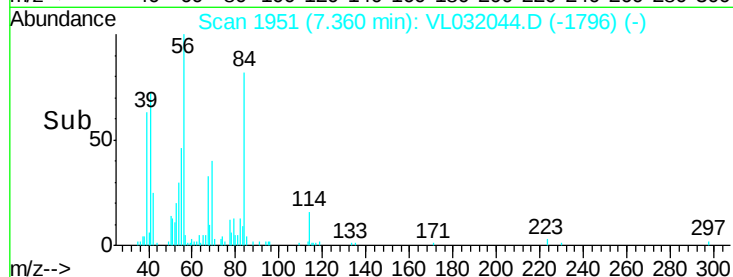
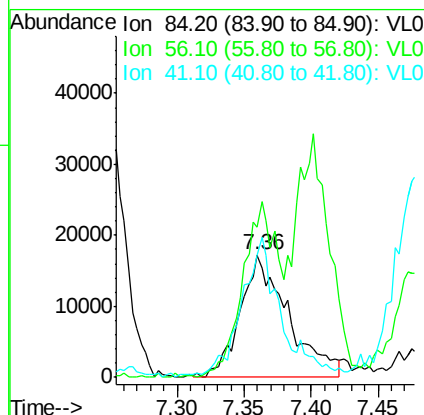
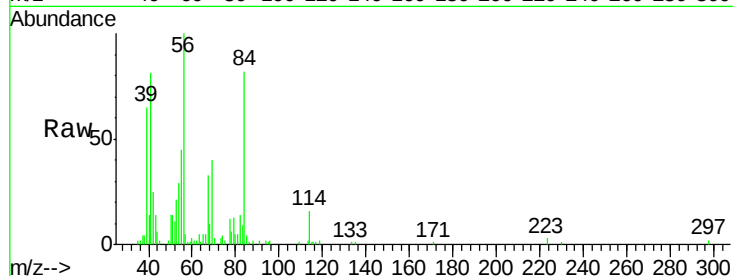
#30
Cvclohexane
Concen: 0.58 ppbv m
RT: 7.36 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	103.7	108.6	162.8#
41	89.1	66.8	100.2

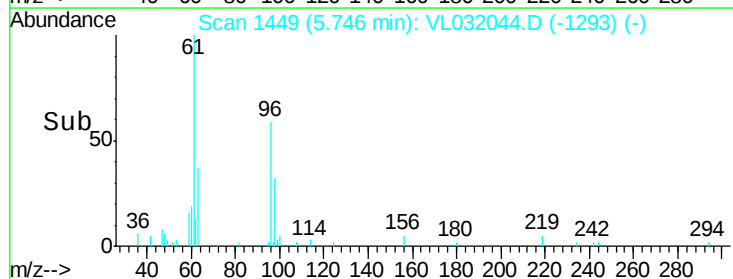
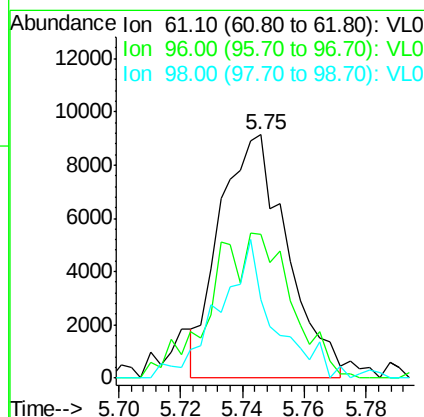
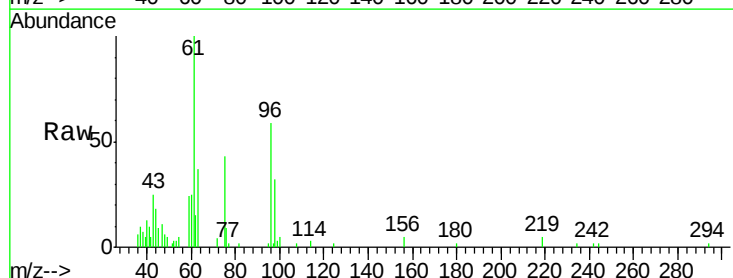
Manual Integrations
APPROVED

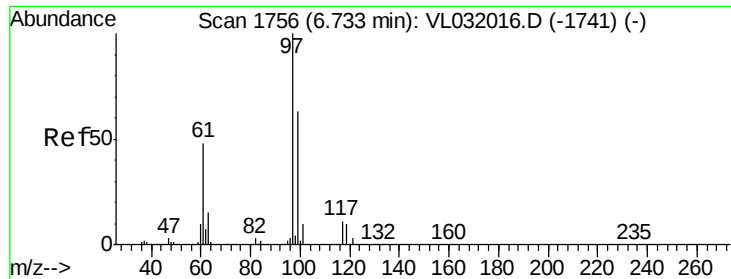
MMDadoda
6/4/2018 3:36:00 PM



#31
cis-1,2-Dichloroethene
Concen: 0.12 ppbv
RT: 5.75 min Scan# 1449
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.5	49.0	73.6
98	28.8	31.2	46.8#





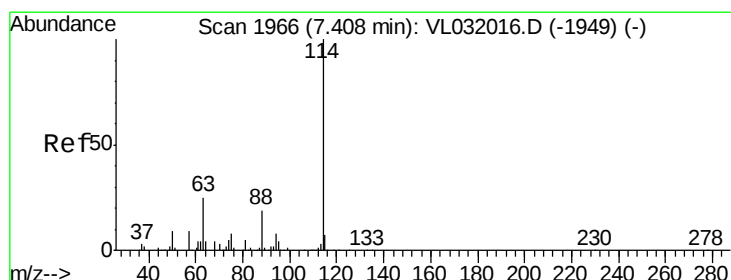
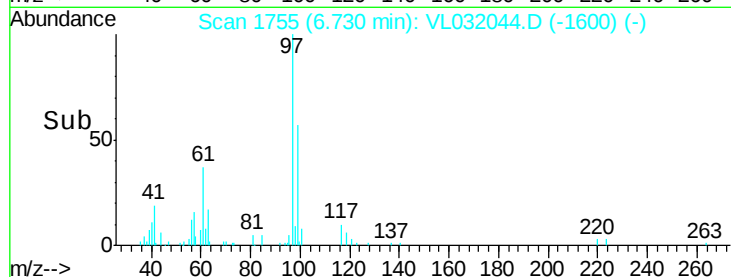
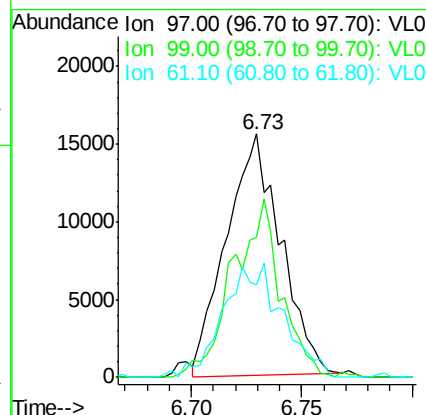
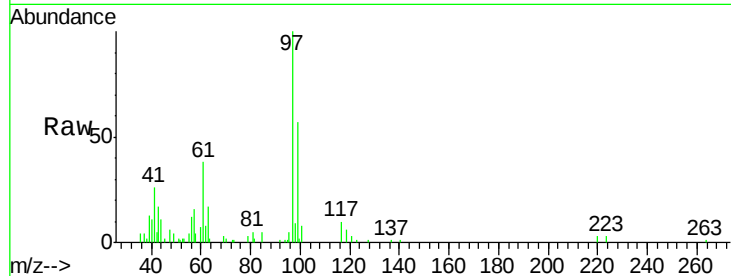
#32
 1,1,1-Trichloroethane
 Concen: 0.16 ppbv
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion	Ratio	Resp	Lower	Upper
97	100	26656		
99	65.5		51.5	77.3
61	51.1		39.4	59.2

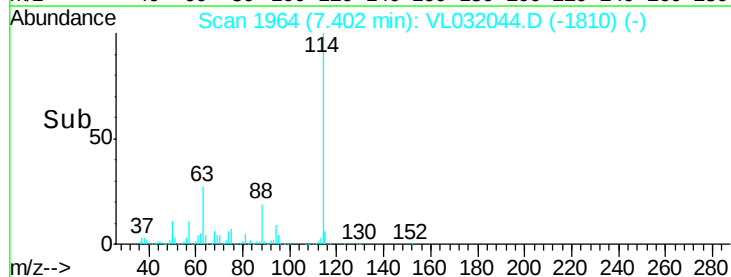
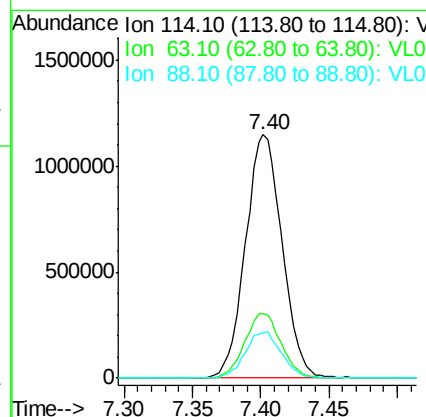
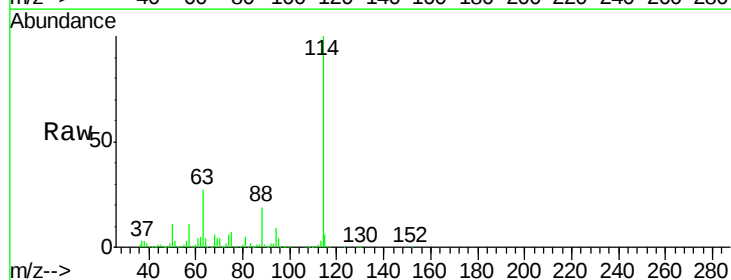
Manual Integrations
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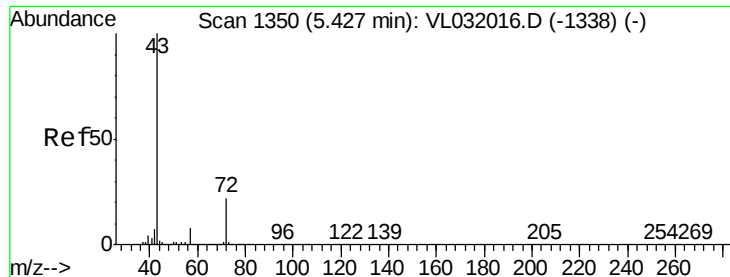
MMDadoda
 6/4/2018 3:36:00 PM



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2141604		
63	26.7		21.1	31.7
88	18.8		14.8	22.2





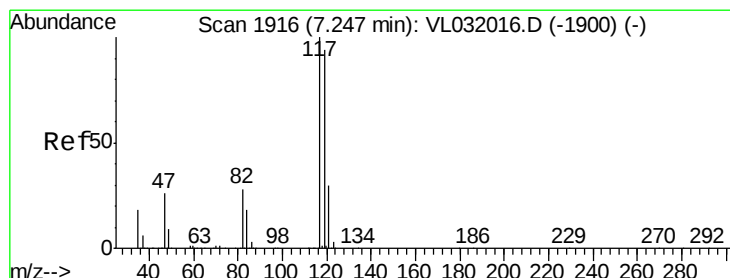
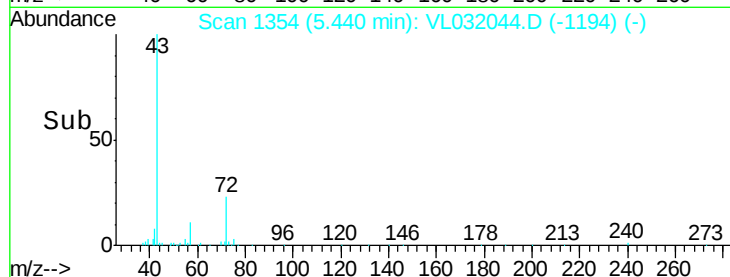
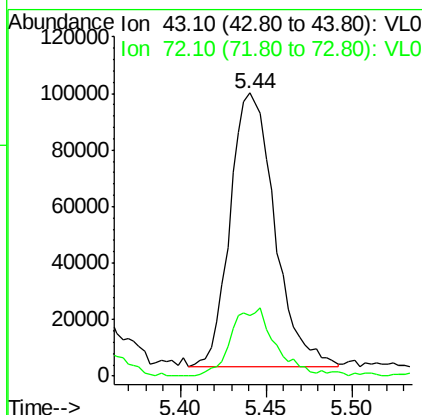
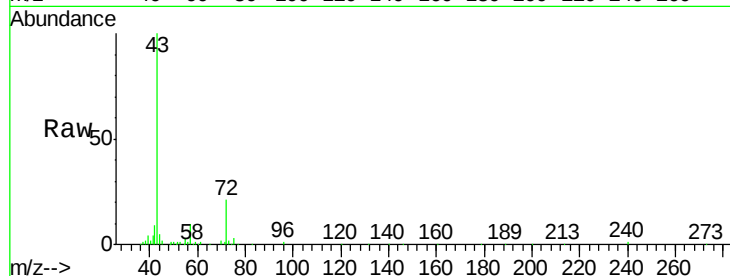
#34
2-Butanone
Concen: 1.03 ppbv
RT: 5.44 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion: 43 Resp: 174308
Ion Ratio Lower Upper
43 100
72 25.7 18.6 27.8

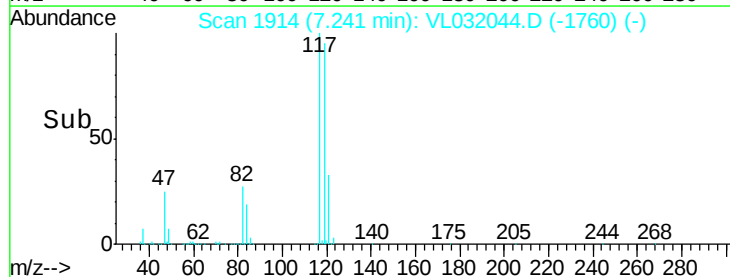
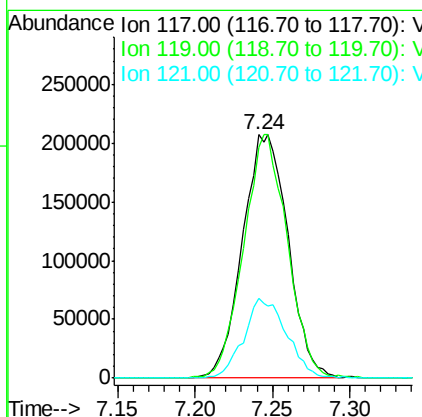
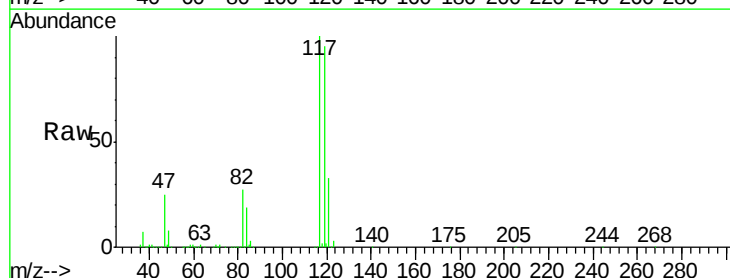
Manual Integrations
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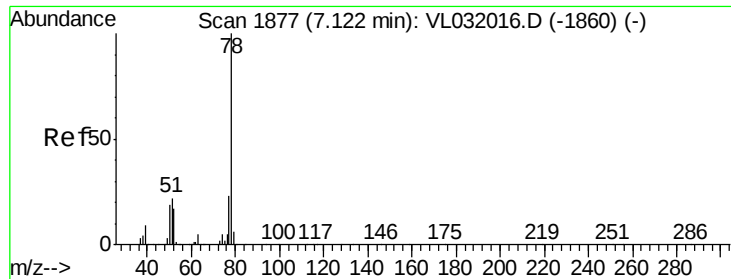
MMDadoda
6/4/2018 3:36:00 PM



#35
Carbon Tetrachloride
Concen: 2.32 ppbv
RT: 7.24 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion: 117 Resp: 424004
Ion Ratio Lower Upper
117 100
119 94.9 75.3 112.9
121 32.6 24.1 36.1





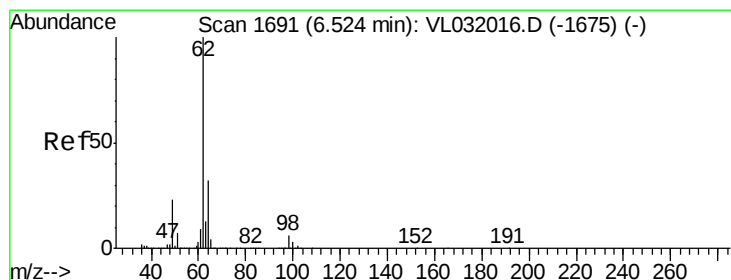
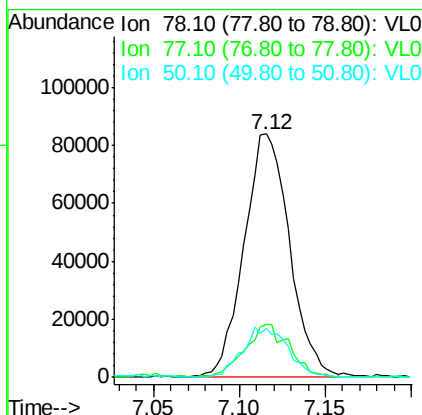
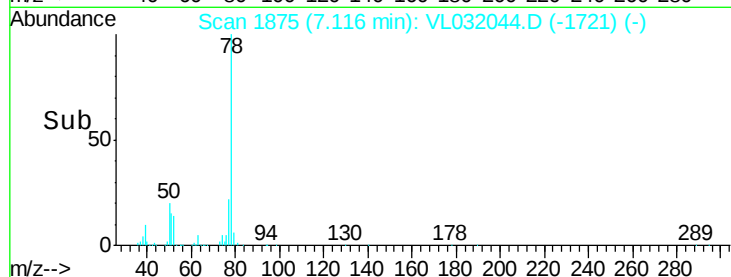
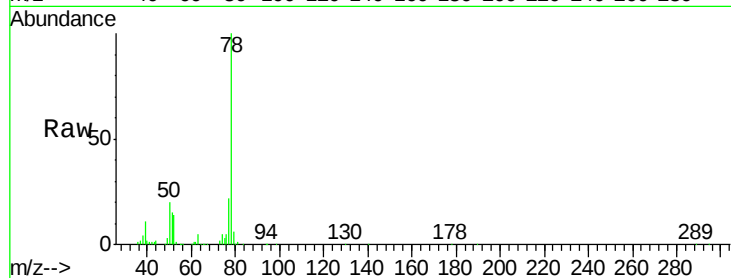
#36
Benzene
Concen: 0.82 ppbv
RT: 7.12 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.1	27.1
50	19.5	14.9	22.3

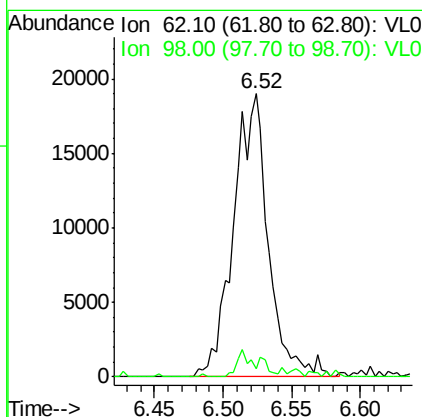
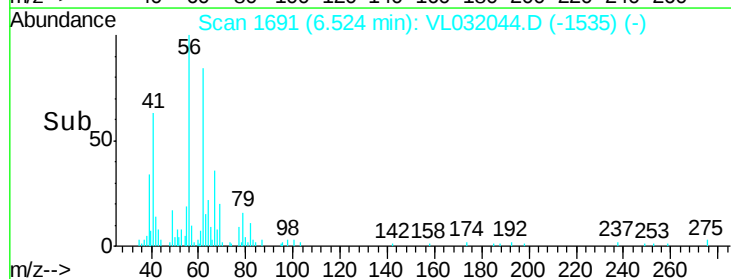
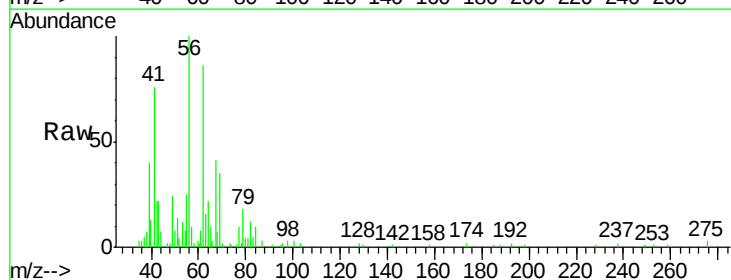
Manual Integrations
APPROVED

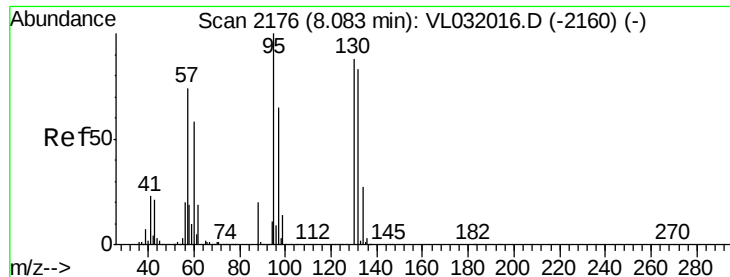
MMDadoda
6/4/2018 3:36:00 PM



#37
1,2-Dichloroethane
Concen: 0.25 ppbv m
RT: 6.52 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	4.2	6.4#





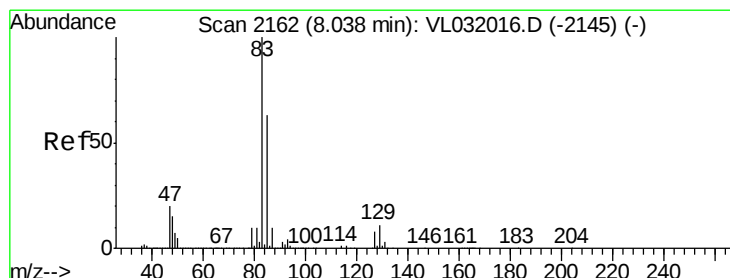
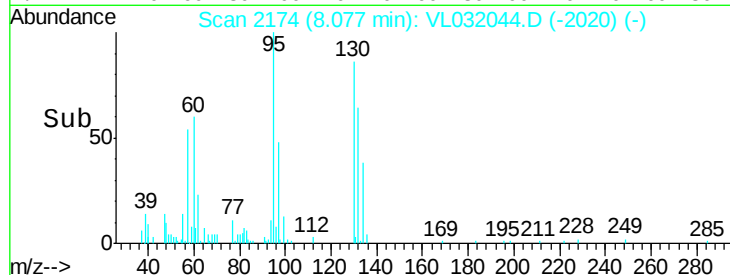
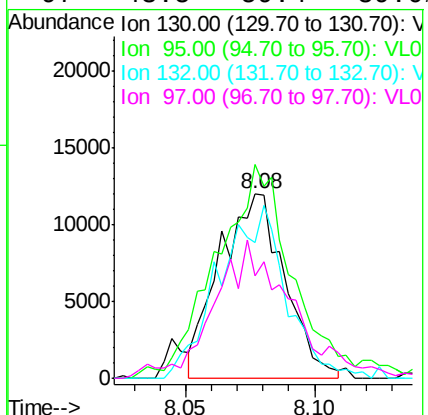
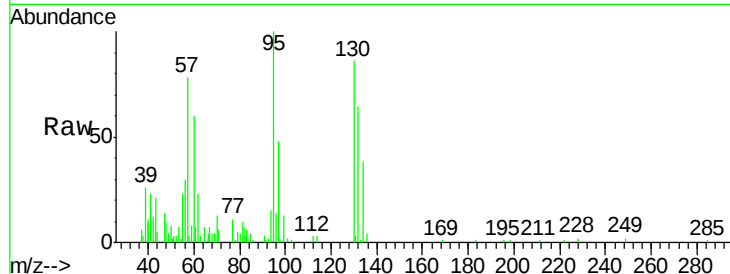
#38
 Trichloroethene
 Concen: 0.29 ppbv
 RT: 8.08 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Tot Ion	Ratio	Lower	Upper
130	100		
95	108.7	90.7	136.1
132	72.5	75.6	113.4#
97	43.5	59.4	89.0#

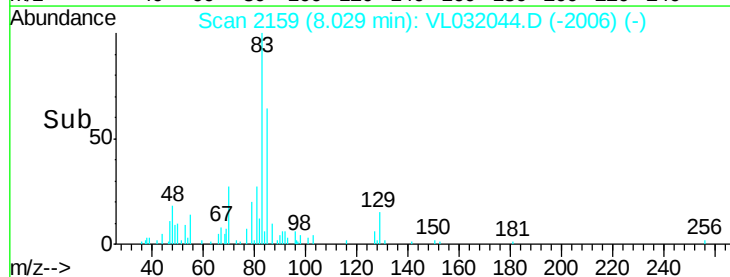
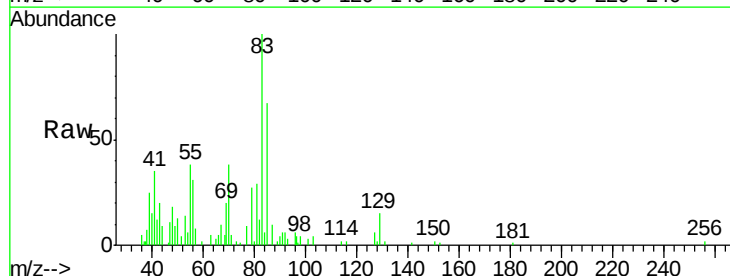
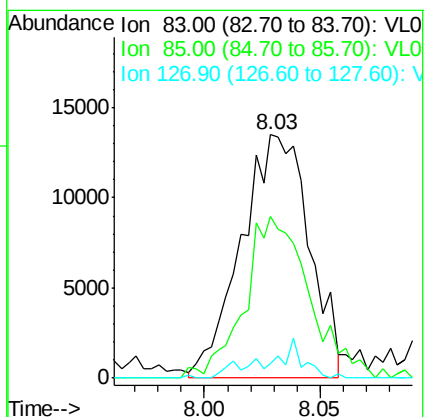
Manual Integrations
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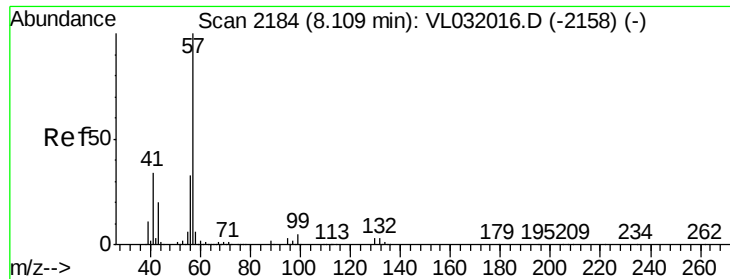
MMDadoda
 6/4/2018 3:36:00 PM



#42
 Bromodichloromethane
 Concen: 0.16 ppbv
 RT: 8.03 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.3	75.5
127	4.6	6.6	9.8#





#44

2,2,4-Trimethylpentane

Concen: 0.62 ppbv

RT: 8.11 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

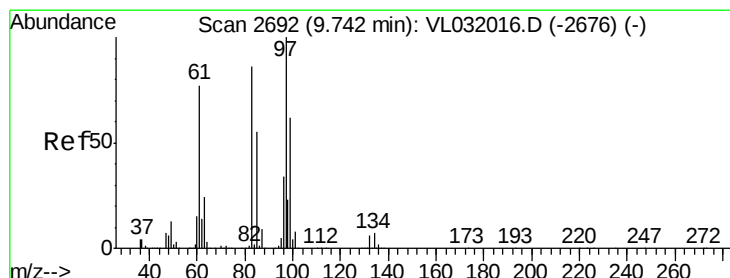
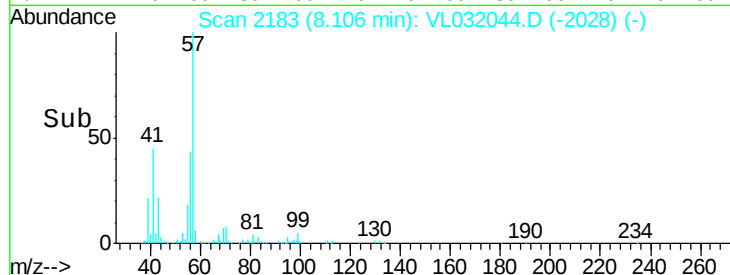
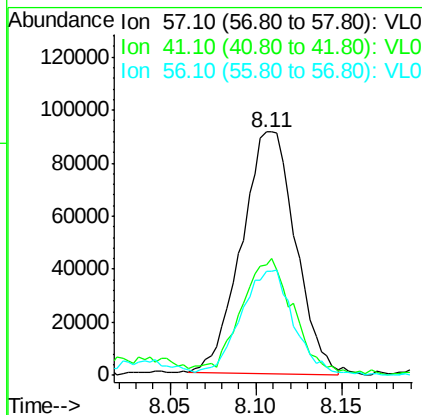
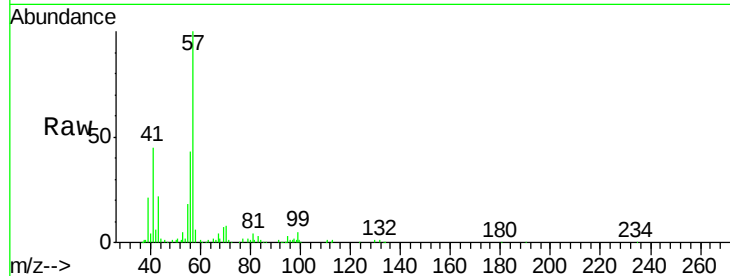
ClientSampleId :

SS-1

Tot Ion:	57	Resp:	199079
Ion Ratio	Lower	Upper	
57	100		
41	48.4	26.6	40.0#
56	43.1	24.9	37.3#

Manual Integrations
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MMDadoda
6/4/2018 3:36:00 PM



#47

1,1,2-Trichloroethane

Concen: 0.14 ppbv m

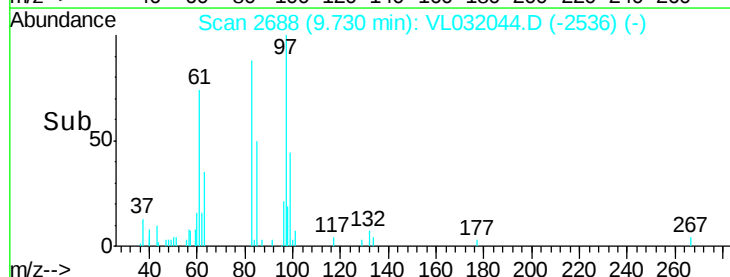
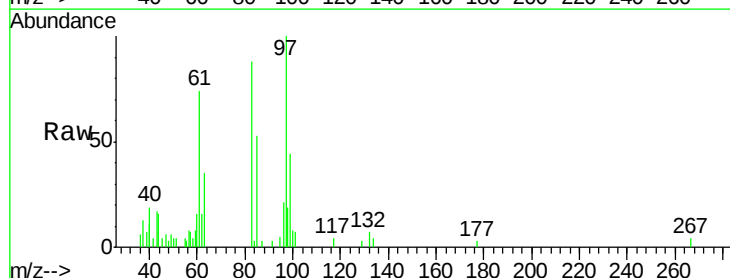
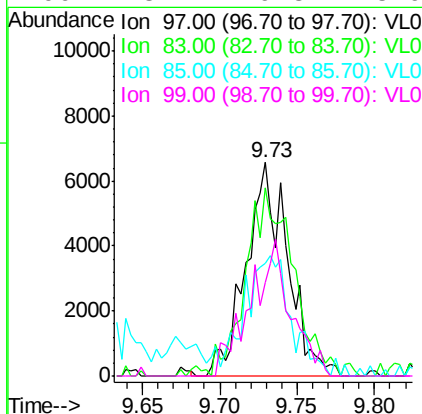
RT: 9.73 min Scan# 2688

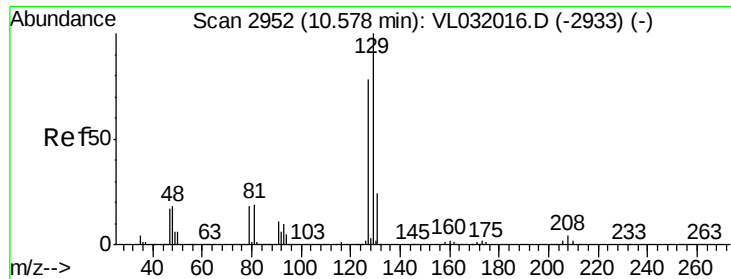
Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Tgt Ion:	97	Resp:	12169
Ion Ratio	Lower	Upper	
97	100		
83	87.9	69.1	103.7
85	52.5	44.5	66.7
99	43.7	49.3	73.9#





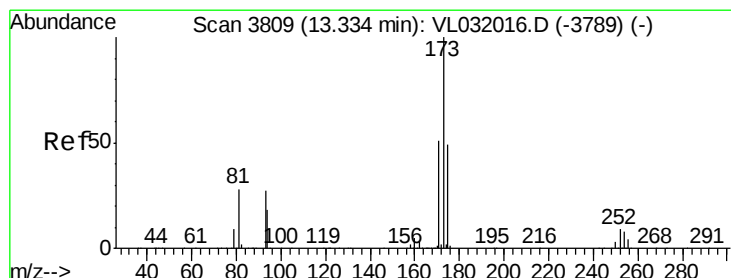
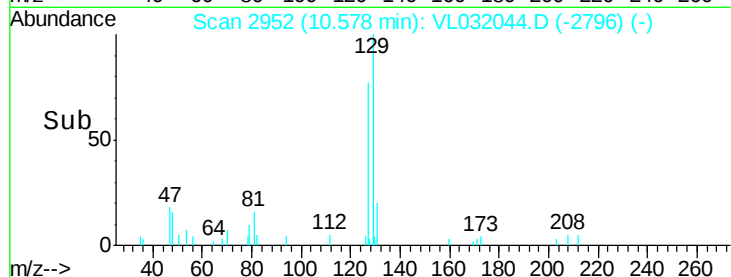
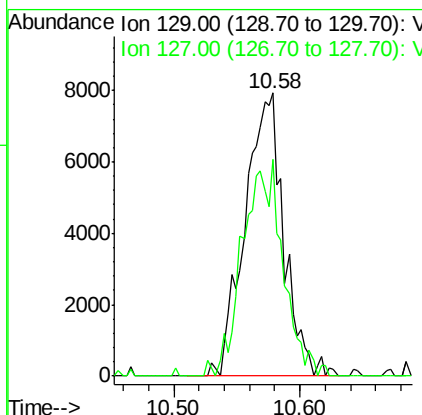
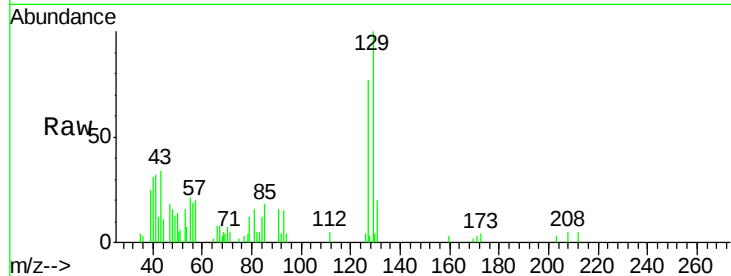
#48
 Dibromochloromethane
 Concen: 0.12 ppbv m
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.3	117.9	

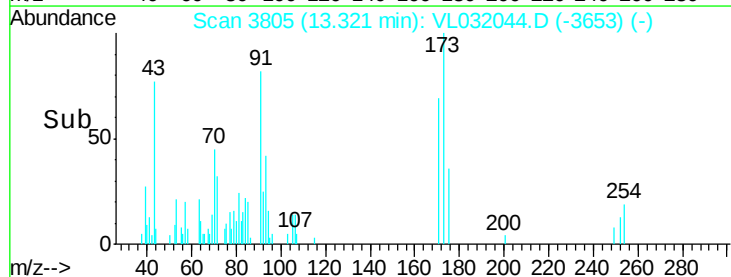
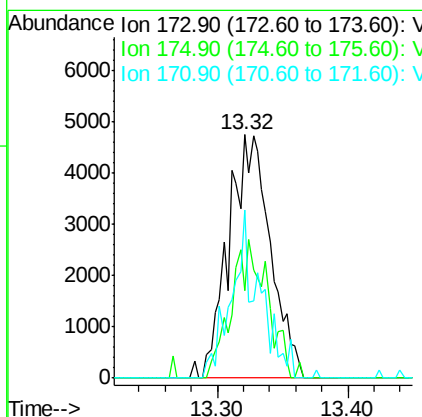
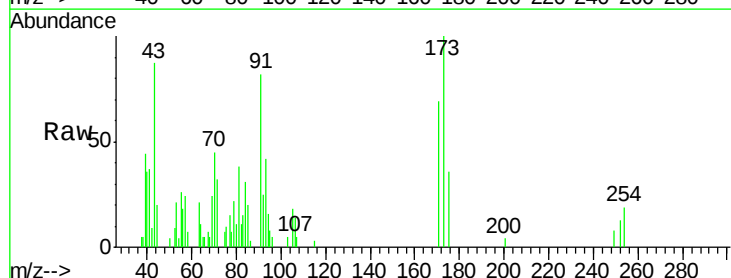
Manual Integrations
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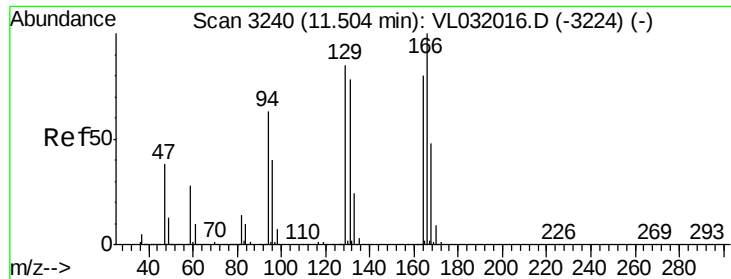
MMDadoda
 6/4/2018 3:36:00 PM



#49
 Bromoform
 Concen: 0.09 ppbv m
 RT: 13.32 min Scan# 3805
 Delta R.T. -0.01 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Tgt Ion	Ion	Ratio	Lower	Upper
173	100			
175	0.0	39.8	59.8#	
171	46.5	41.7	62.5	





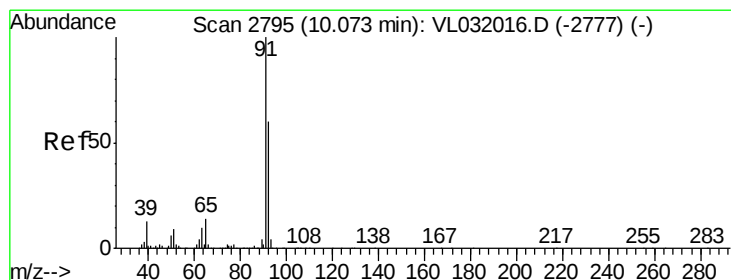
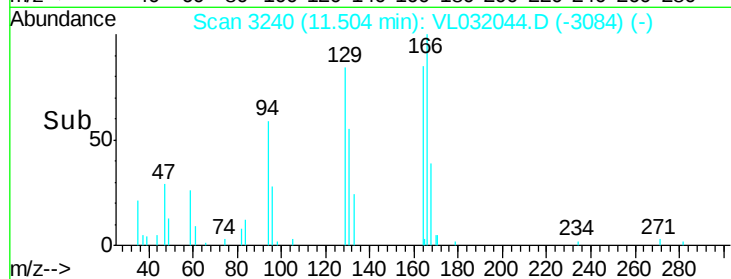
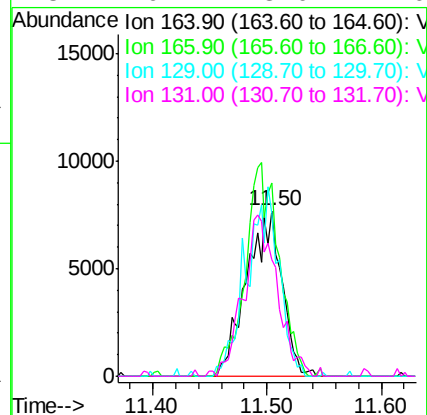
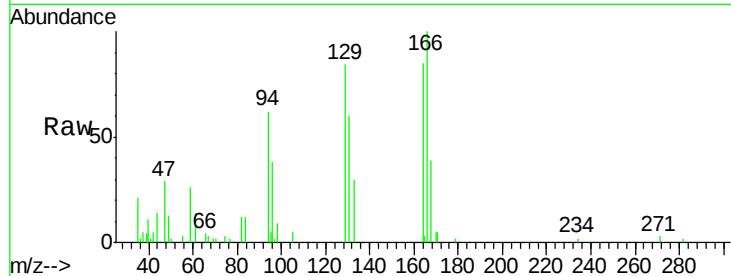
#52
Tetrachloroethene
Concen: 0.22 ppbv m
RT: 11.50 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.3	100.2	150.2
129	98.7	85.4	128.0
131	70.4	78.0	117.0#

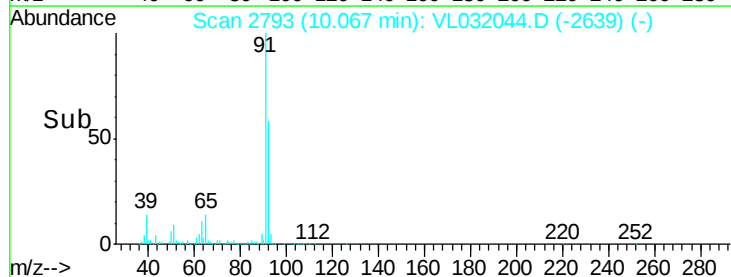
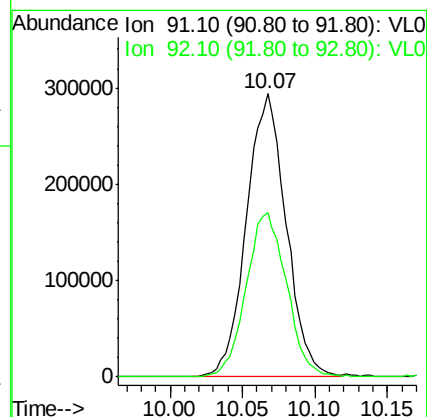
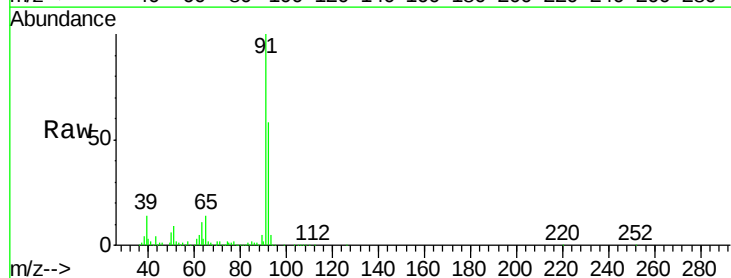
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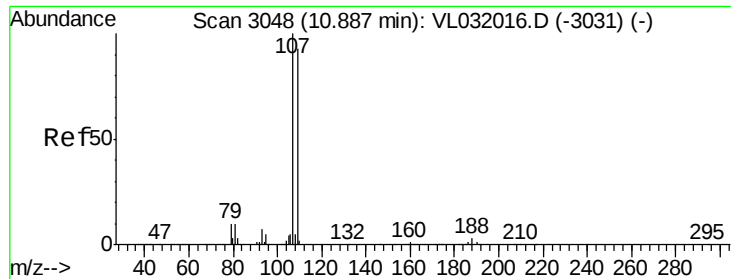
MMDadoda
6/4/2018 3:36:00 PM



#53
Toluene
Concen: 2.65 ppbv
RT: 10.07 min Scan# 2793
Delta R.T. -0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.2	72.2





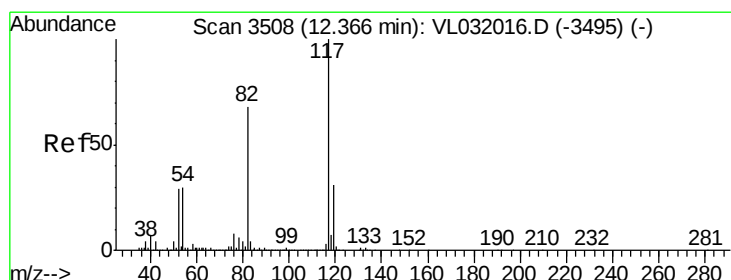
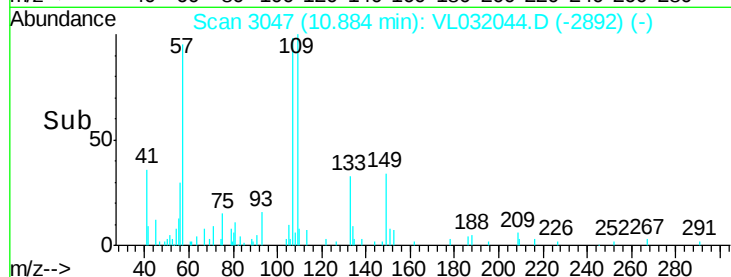
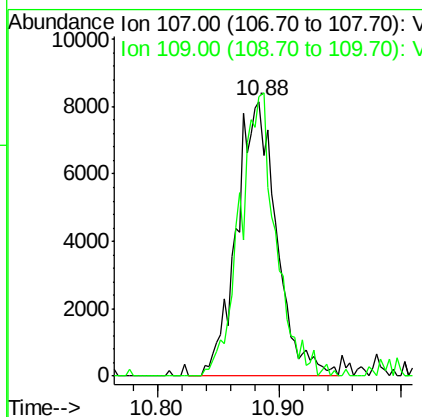
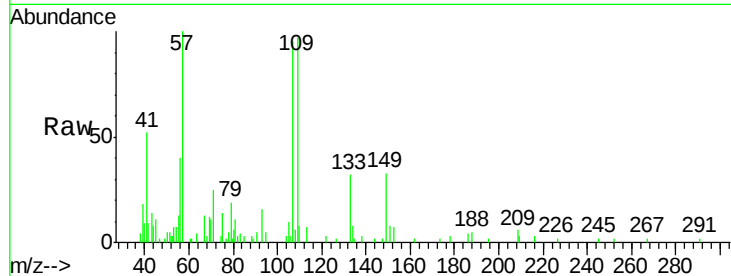
#54
1,2-Dibromoethane
Concen: 0.15 ppbv m
RT: 10.88 min Scan# 3047
Delta R.T. -0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.8	74.6	111.8

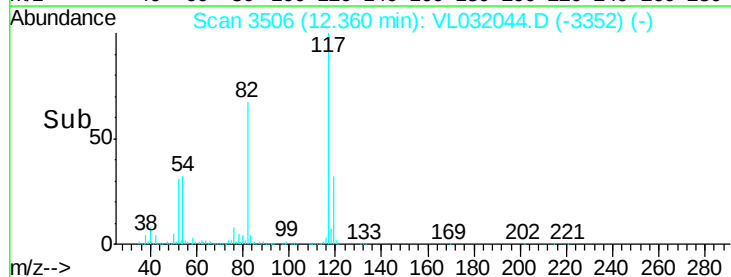
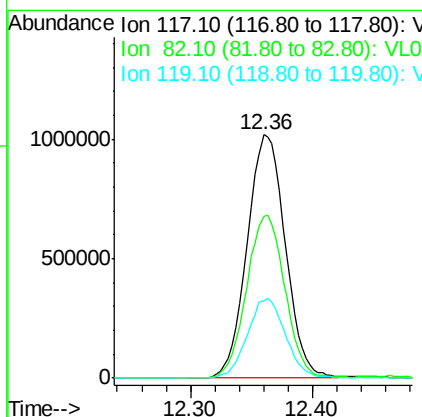
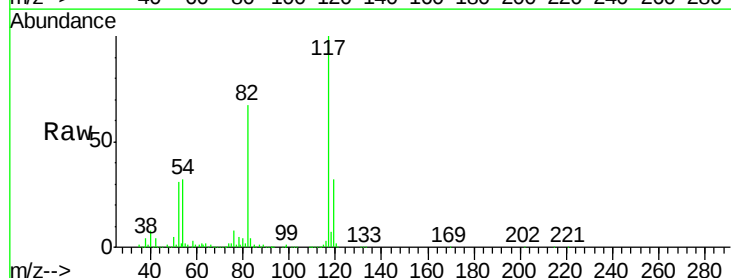
Manual Integrations
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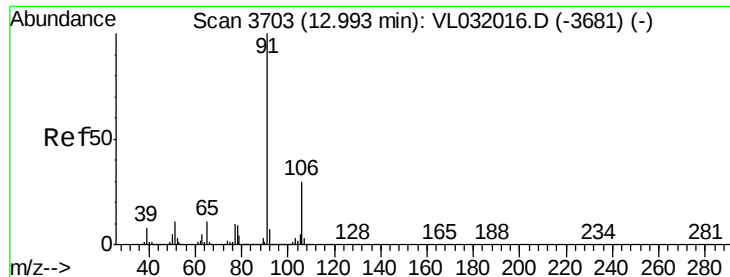
MMDadoda
6/4/2018 3:36:00 PM



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.0	52.7	79.1
119	32.9	25.5	38.3





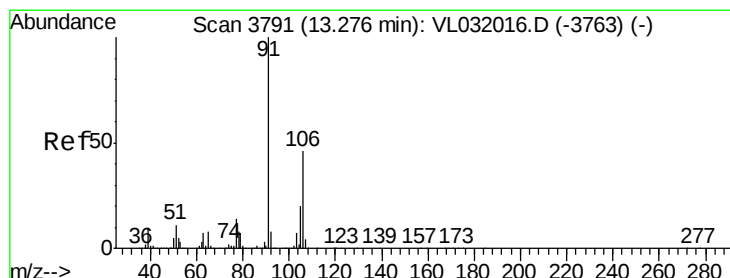
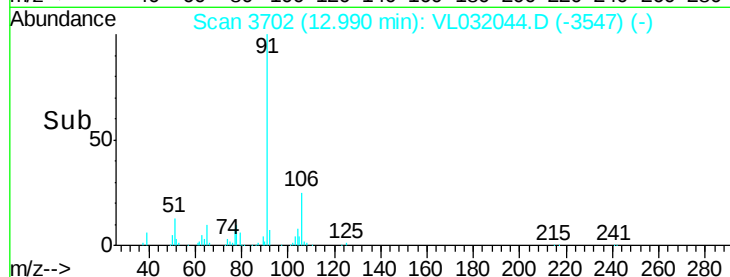
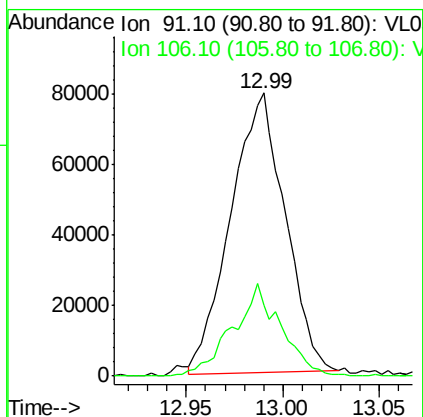
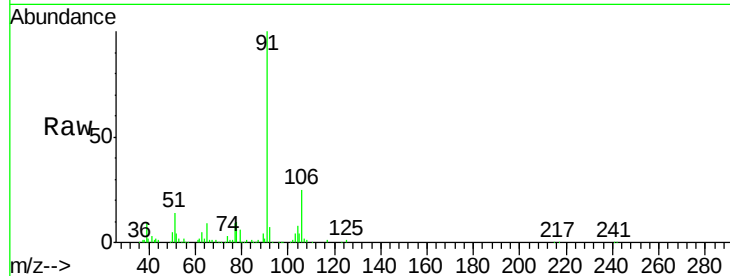
#58
Ethyl Benzene
Concen: 0.50 ppbv
RT: 12.99 min Scan# 3702
Delta R.T. -0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion: 91 Resp: 156067
Ion Ratio Lower Upper
91 100
106 24.8 24.2 36.2

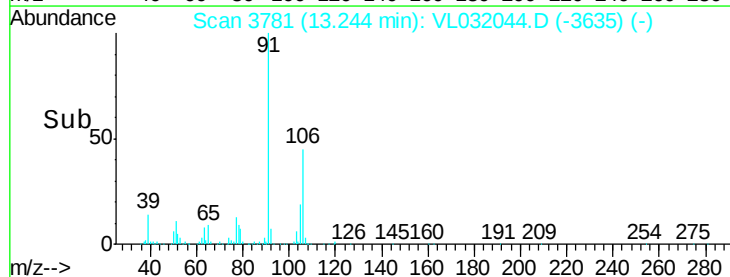
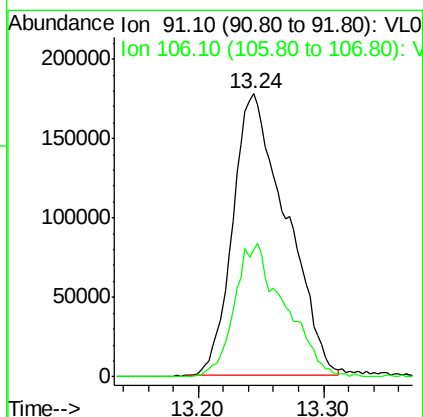
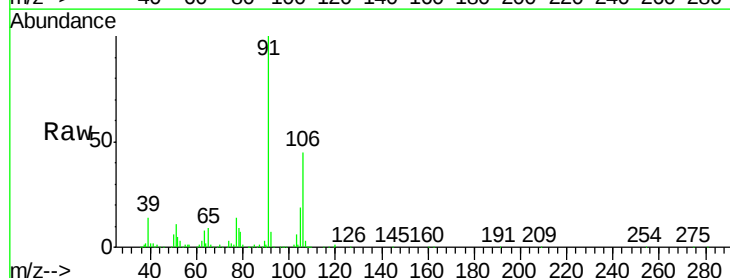
Manual Integrations
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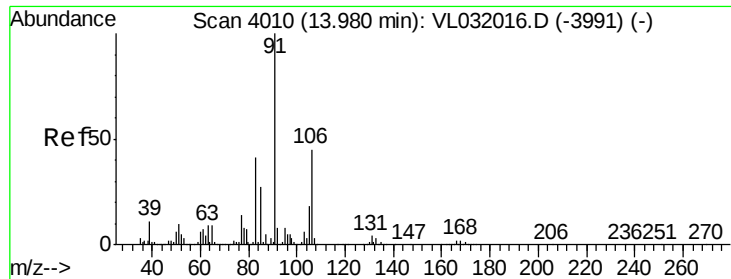
MMDadoda
6/4/2018 3:36:00 PM



#59
m/p-Xylene
Concen: 1.94 ppbv
RT: 13.24 min Scan# 3781
Delta R.T. -0.03 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion: 91 Resp: 525468
Ion Ratio Lower Upper
91 100
106 45.1 35.7 53.5





#60

o-Xylene

Concen: 0.70 ppbv

RT: 13.97 min Scan# 4008

Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 91 Resp: 191045

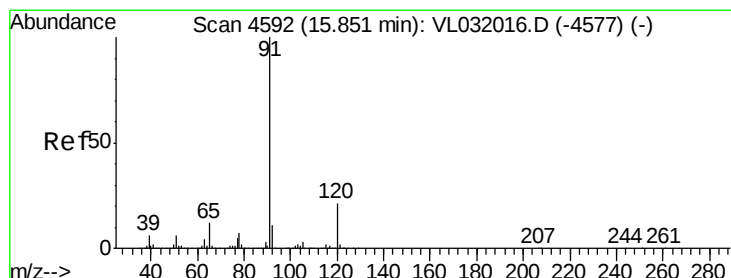
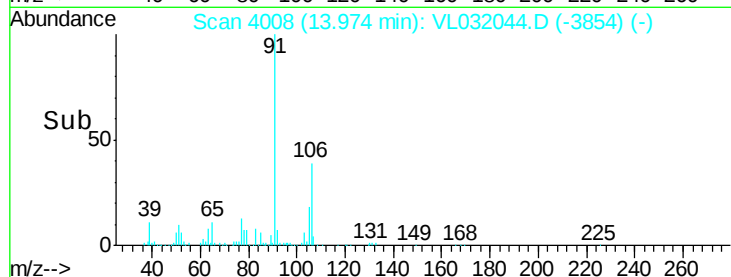
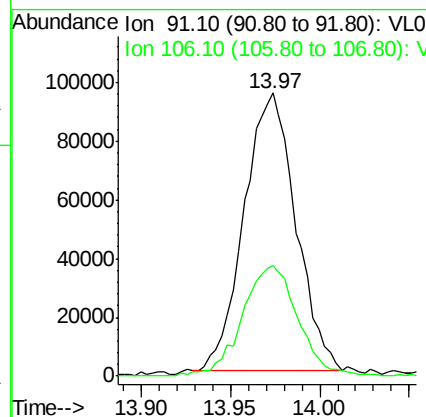
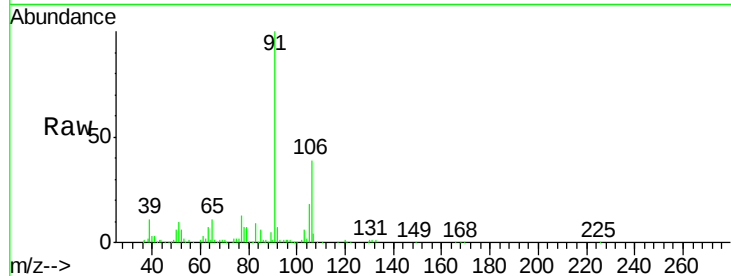
Ion Ratio Lower Upper

91 100

106 43.0 21.9 65.5

Manual Integrations
APPROVED

MMDadoda
6/4/2018 3:36:00 PM



#64

n-propylbenzene

Concen: 0.25 ppbv m

RT: 15.85 min Scan# 4592

Delta R.T. 0.00 min

Lab File: VL032044.D

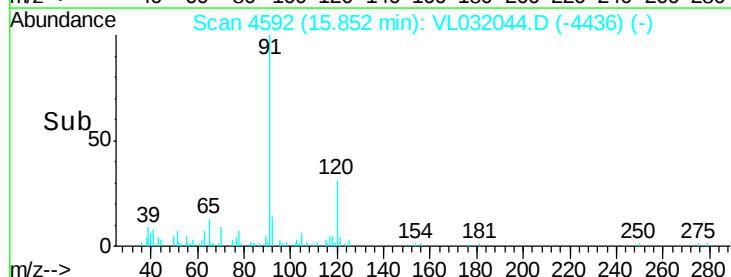
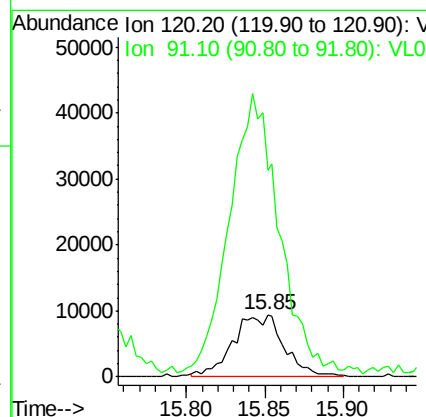
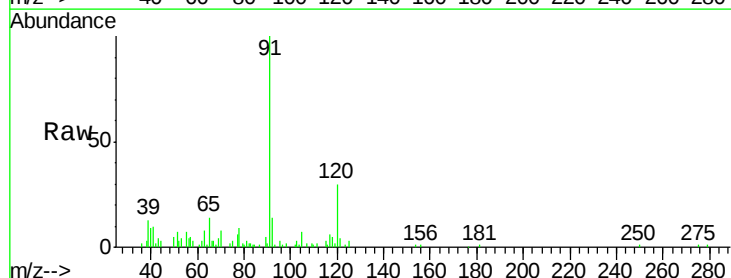
Acq: 2 Jun 2018 6:45

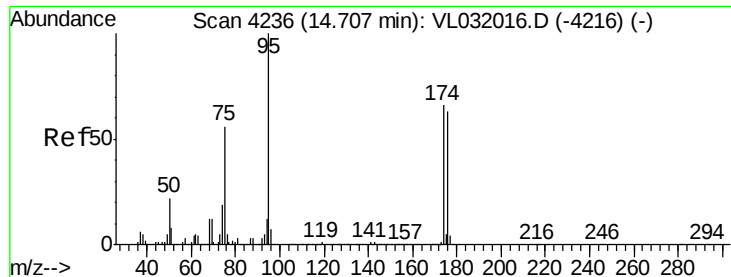
Tgt Ion: 120 Resp: 21361

Ion Ratio Lower Upper

120 100

91 441.2 391.1 586.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.17 ppbv

RT: 14.70 min Scan# 4233

Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 95 Resp: 1728560

Ion Ratio Lower Upper

95 100

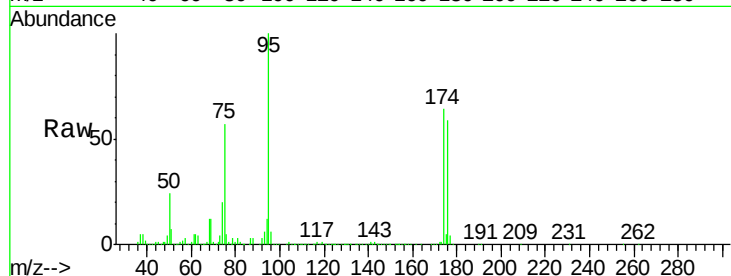
174 66.0 53.2 79.8

175 4.8 3.7 5.5

Manual Integrations
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MMDadoda

6/4/2018 3:36:00 PM

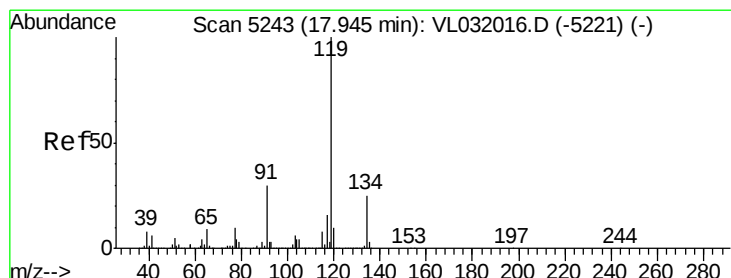
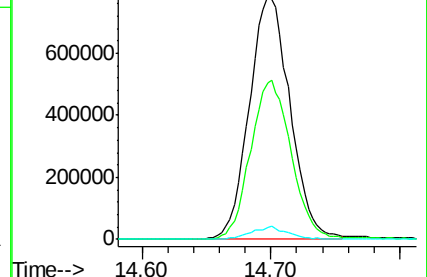
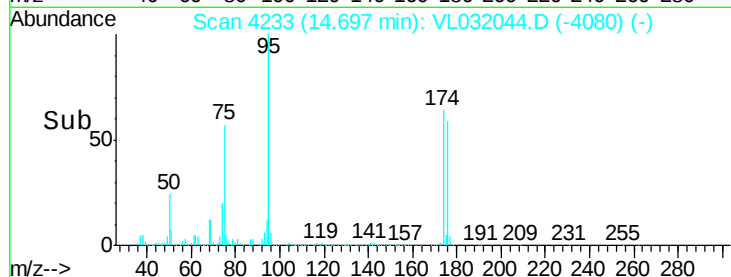


Abundance Ion 95.10 (94.80 to 95.80): VL032016.D (-4216) (-)

Ion 174.00 (173.70 to 174.70): VL032016.D (-4216) (-)

Ion 175.00 (174.70 to 175.70): VL032016.D (-4216) (-)

Time-->



#69

p-Isopropyltoluene

Concen: 0.16 ppbv

RT: 17.94 min Scan# 5242

Delta R.T. -0.00 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

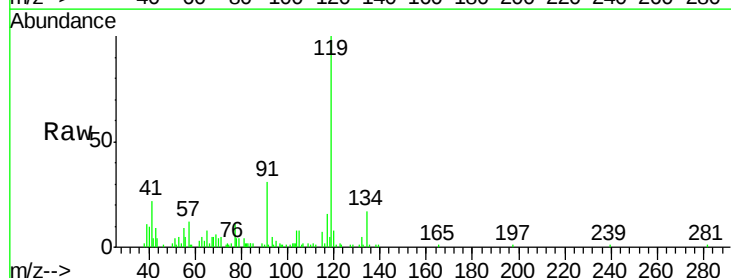
Tgt Ion: 119 Resp: 53261

Ion Ratio Lower Upper

119 100

134 28.7 19.9 29.9

91 38.4 24.1 36.1#

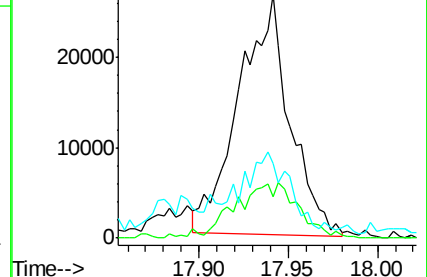
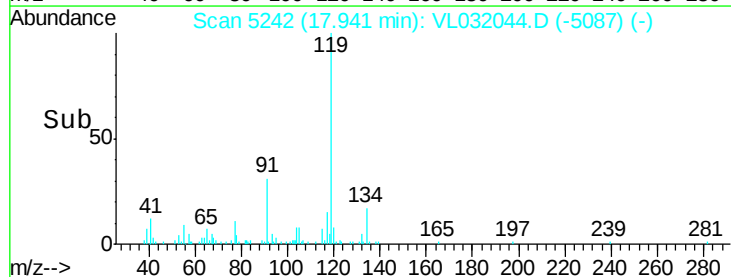


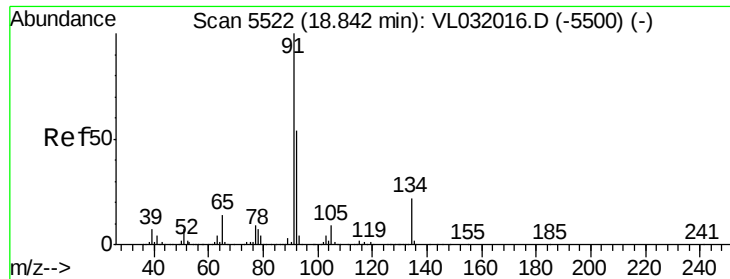
Abundance Ion 119.10 (118.80 to 119.80): VL032016.D (-5221) (-)

Ion 134.20 (133.90 to 134.90): VL032016.D (-5221) (-)

Ion 91.10 (90.80 to 91.80): VL032016.D (-5221) (-)

Time-->





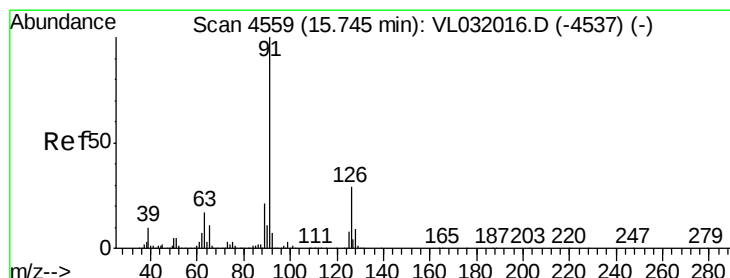
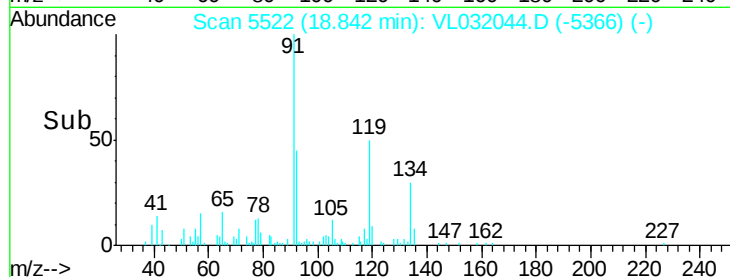
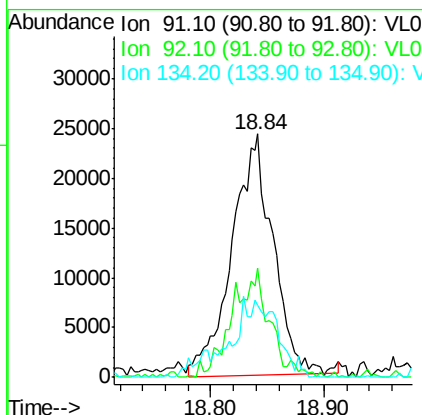
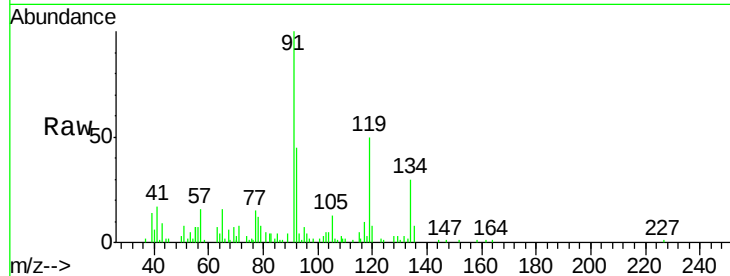
#70
n-Butylbenzene
Concen: 0.17 ppbv m
RT: 18.84 min Scan# 5522
Delta R.T. 0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.5	63.7#
134	38.6	17.4	26.2#

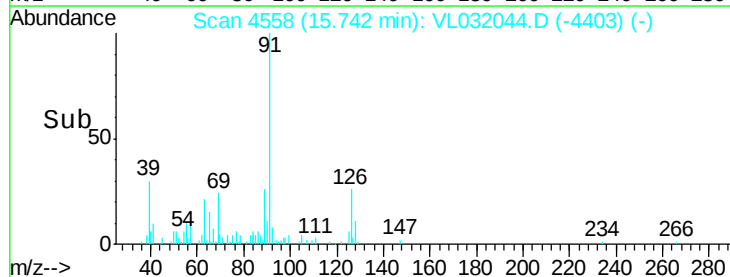
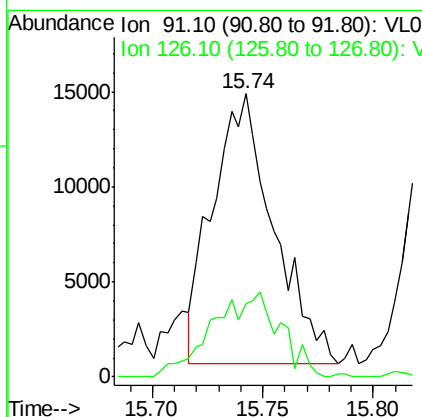
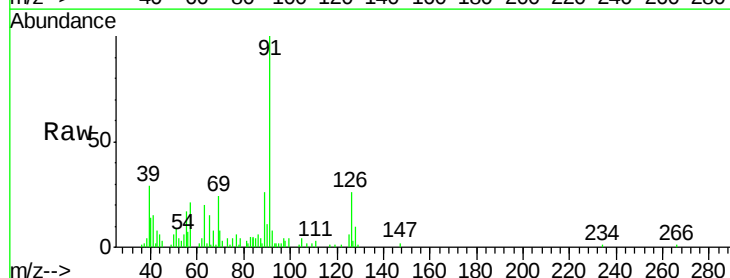
Manual Integrations
APPROVED

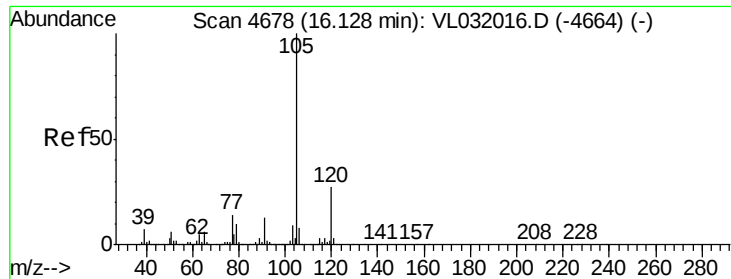
MMDadoda
6/4/2018 3:36:00 PM



#71
2-Chlorotoluene
Concen: 0.11 ppbv
RT: 15.74 min Scan# 4558
Delta R.T. -0.00 min
Lab File: VL032044.D
Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	11.7	46.7





#72

4-Ethyltoluene

Concen: 0.35 ppbv

RT: 16.12 min Scan# 4676

Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Instrument :

MSVOA_L

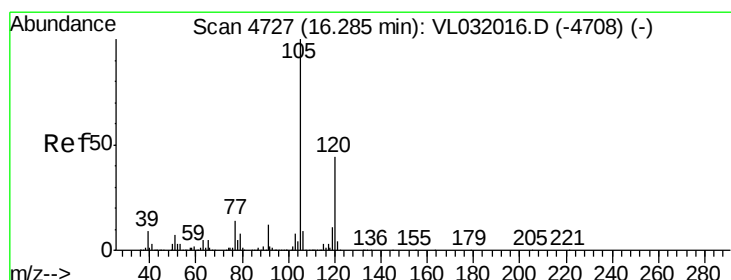
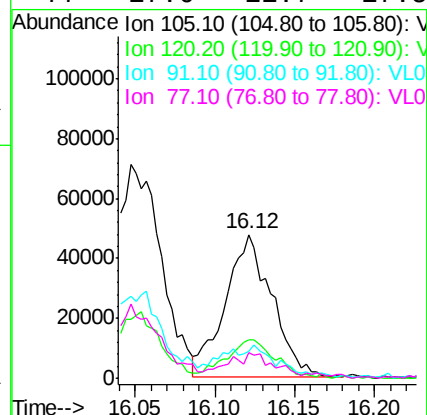
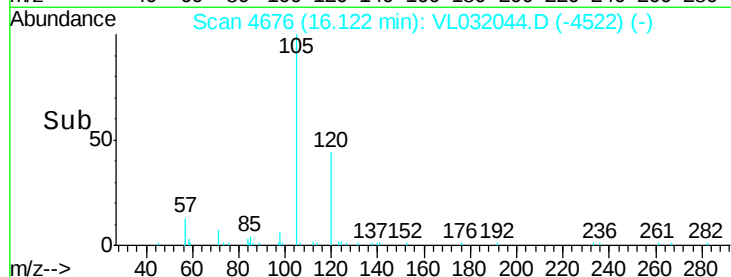
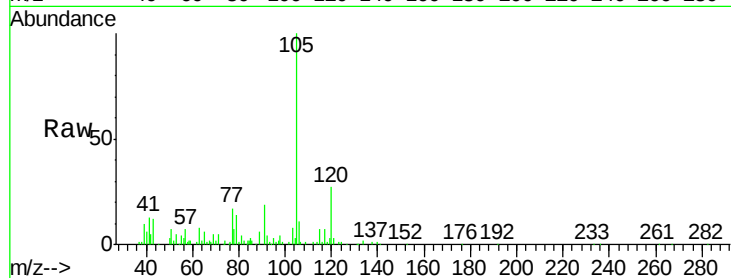
ClientSampleId :

SS-1

Tot Ion:	105	Resp:	94891
Ion Ratio	Lower	Upper	
105	100		
120	30.2	23.4	35.0
91	26.0	10.7	16.1#
77	17.6	11.7	17.5#

Manual Integrations
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6/4/2018 3:36:00 PM



#73

1,3,5-Trimethylbenzene

Concen: 0.31 ppbv

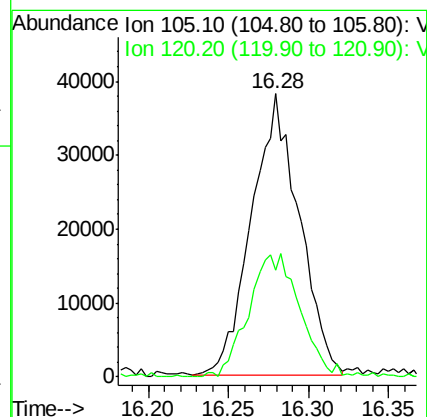
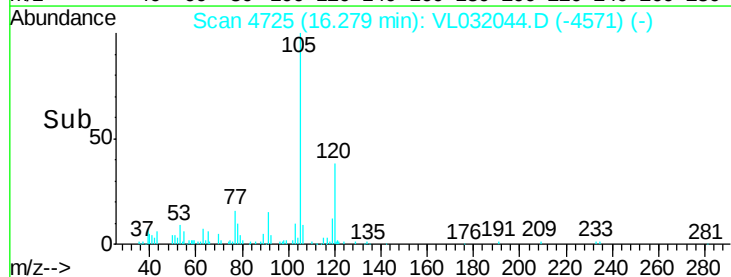
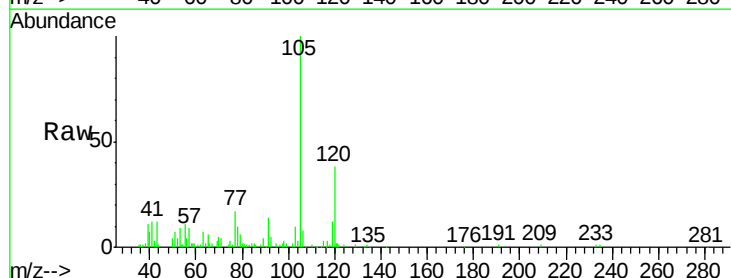
RT: 16.28 min Scan# 4725

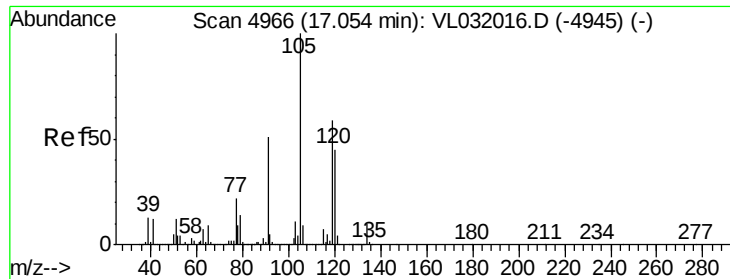
Delta R.T. -0.01 min

Lab File: VL032044.D

Acq: 2 Jun 2018 6:45

Tgt Ion:	105	Resp:	78501
Ion Ratio	Lower	Upper	
105	100		
120	39.9	35.0	52.4





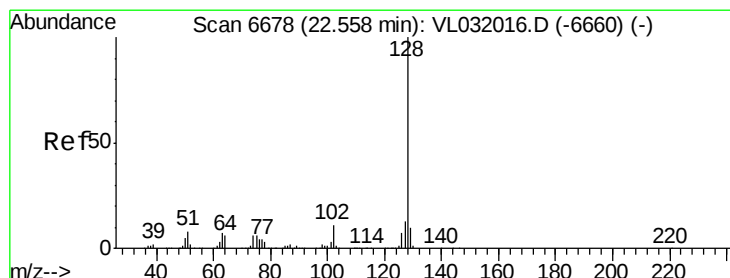
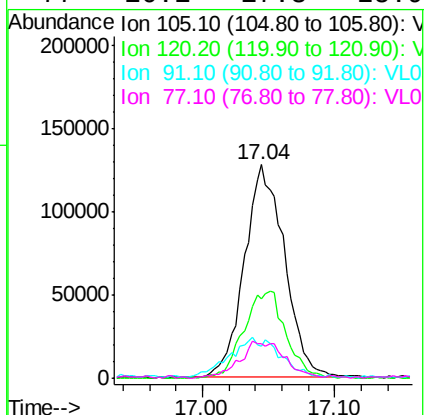
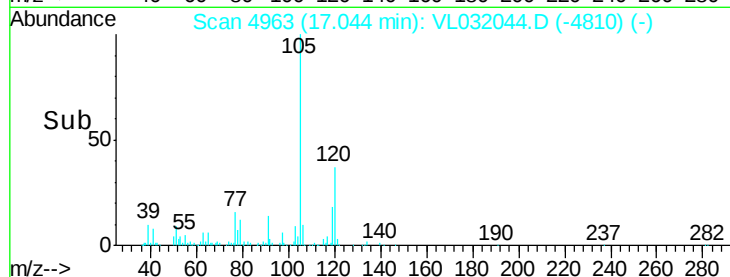
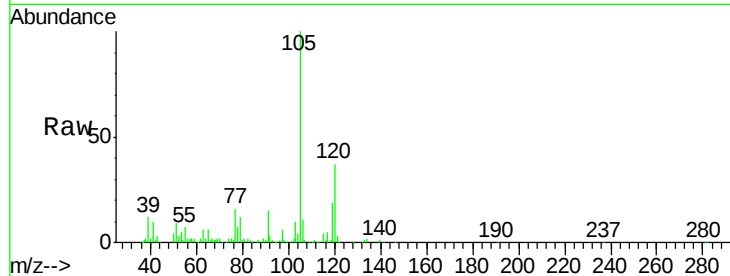
#74
 1,2,4-Trimethylbenzene
 Concen: 0.96 ppbv
 RT: 17.04 min Scan# 4963
 Delta R.T. -0.01 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	37.4	36.0	54.0
91	14.9	41.4	62.0#
77	16.1	17.3	25.9#

Manual Integrations
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#79
 Naphthalene
 Concen: 0.56 ppbv
 RT: 22.56 min Scan# 6678
 Delta R.T. 0.00 min
 Lab File: VL032044.D
 Acq: 2 Jun 2018 6:45

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	13.8	10.2	15.2
129	16.9	8.2	12.2#

