

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL103018\
 Data File : VL032706.D
 Acq On : 30 Oct 2018 20:02
 Operator : SY/AP
 Sample : J5693-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 10:40:06 AM

Quant Time: Oct 31 06:45:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 2
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1337215	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3448574	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3452933	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2685538	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	40373	0.296	ppbv	89
3) Chlorodifluoromethane	3.02	51	30303m	0.290	ppbv	
9) Propene	3.05	41	138672m	3.222	ppbv	
10) Heptane	8.26	43	510738	3.080	ppbv	100
11) Trichlorofluoromethane	4.02	101	36593	0.206	ppbv	99
13) Ethanol	3.66	45	363099	29.519	ppbv	99
15) Acetone	3.91	43	3051660	24.713	ppbv	94
17) tert-Butyl alcohol	4.38	59	280805	7.732	ppbv #	100
20) Methylene Chloride	4.42	84	71175	1.136	ppbv	94
26) Hexane	5.80	57	518847	3.858	ppbv #	42
27) Carbon Disulfide	4.63	76	908250	5.567	ppbv	96
28) Methyl tert-Butyl Ether	5.13	73	73247	0.379	ppbv	96
29) Chloroform	5.86	83	51189	0.238	ppbv #	82
30) Cyclohexane	7.26	84	265422	2.493	ppbv	84
32) 1,1,1-Trichloroethane	6.63	97	60849	0.279	ppbv	97
34) 2-Butanone	5.34	43	211787m	1.146	ppbv	
35) Carbon Tetrachloride	7.15	117	25625	0.105	ppbv #	83
36) Benzene	7.02	78	1323763	4.727	ppbv	99
38) Trichloroethene	7.98	130	78342	0.756	ppbv	93
44) 2,2,4-Trimethylpentane	8.00	57	1336281	2.795	ppbv #	86
52) Tetrachloroethene	11.39	164	729044	7.467	ppbv	97
53) Toluene	9.96	91	7357748	22.921	ppbv	100
58) Ethyl Benzene	12.88	91	1252099	3.121	ppbv	96
59) m/p-Xylene	13.14	91	4085698	11.438	ppbv	98
60) o-Xylene	13.86	91	1393121	4.043	ppbv	99
61) Styrene	13.70	104	67225m	0.291	ppbv	
62) Isopropylbenzene	14.85	105	49551	0.102	ppbv	97
64) n-propylbenzene	15.74	120	40204m	0.332	ppbv	
65) tert-Butylbenzene	16.94	119	72317	0.174	ppbv #	69
72) 4-Ethyltoluene	16.01	105	246034m	0.670	ppbv	
73) 1,3,5-Trimethylbenzene	16.17	105	174578	0.488	ppbv	95
74) 1,2,4-Trimethylbenzene	16.94	105	610717	1.600	ppbv #	79
79) Naphthalene	22.43	128	194586m	0.820	ppbv	
80) Naphthalene,2-methyl-	25.13	142	48305	0.837	ppbv	94

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

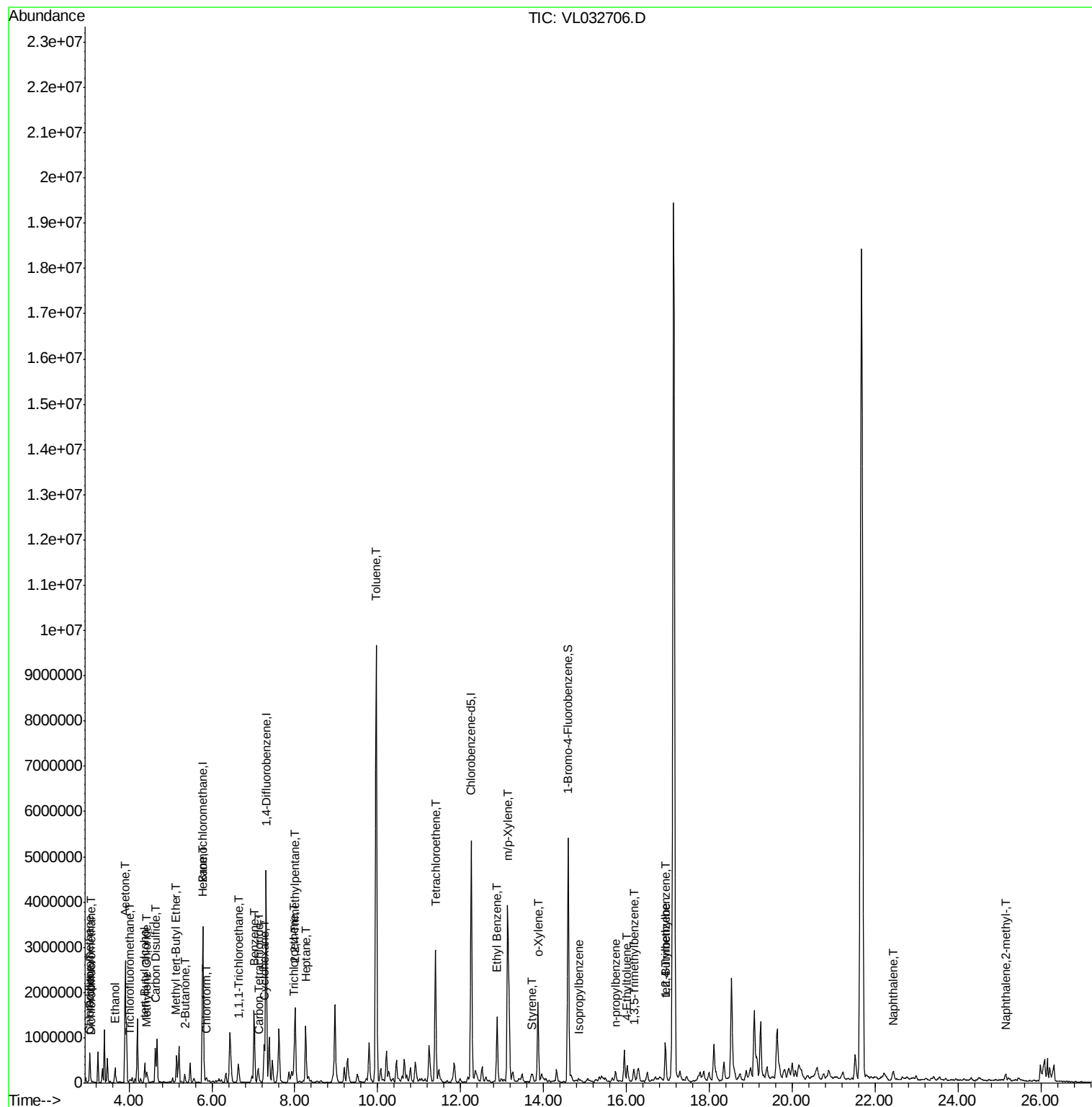
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL103018\
Data File : VL032706.D
Acq On : 30 Oct 2018 20:02
Operator : SY/AP
Sample : J5693-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

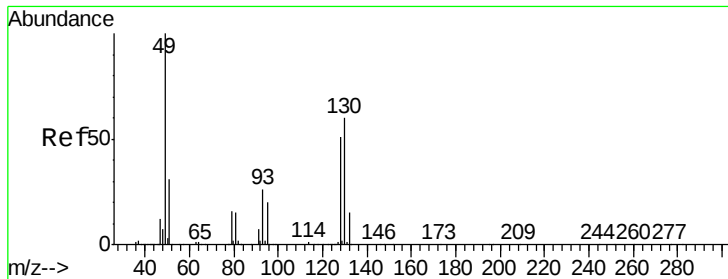
Instrument :
MSVOA_L
ClientSampleId :
SS-1

Manual Integrations
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Quant Time: Oct 31 06:45:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 49 Resp: 1337215

Ion Ratio Lower Upper

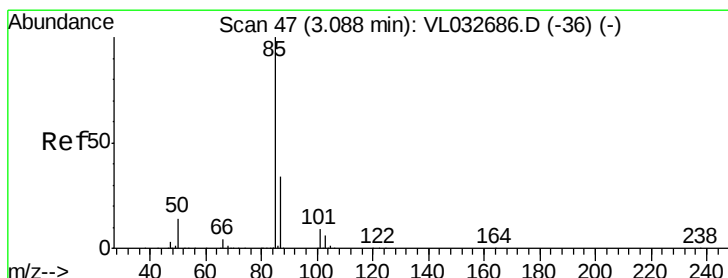
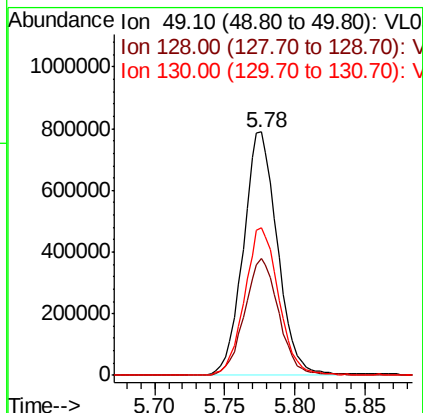
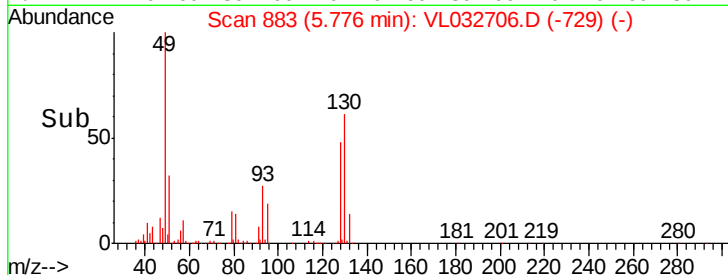
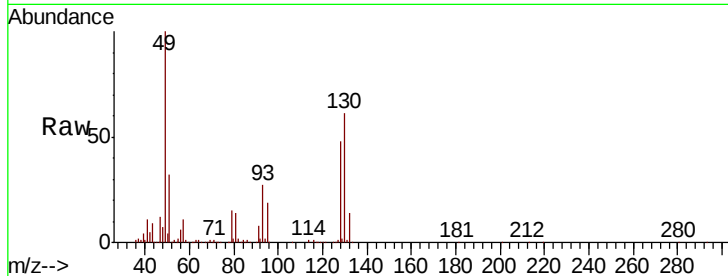
49 100

128 48.4 22.3 66.8

130 60.8 28.4 85.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.296 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032706.D

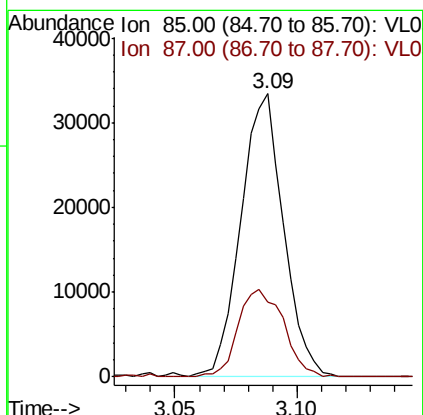
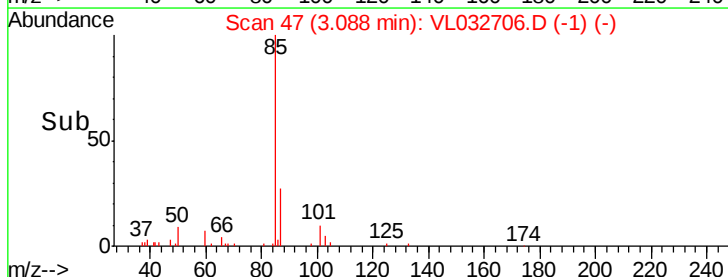
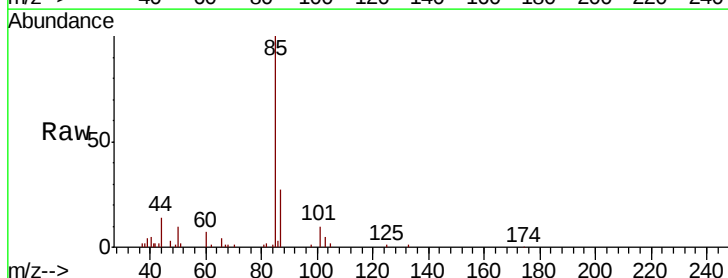
Acq: 30 Oct 2018 20:02

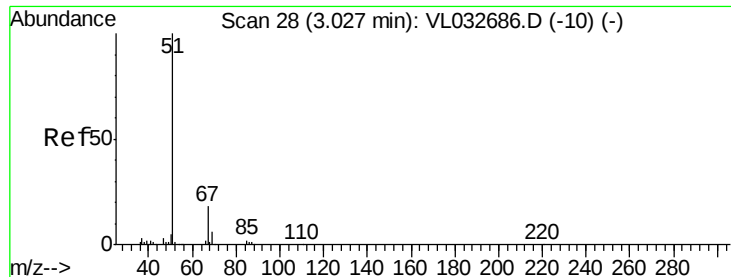
Tgt Ion: 85 Resp: 40373

Ion Ratio Lower Upper

85 100

87 26.6 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.290 ppbv m

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 51 Resp: 30303

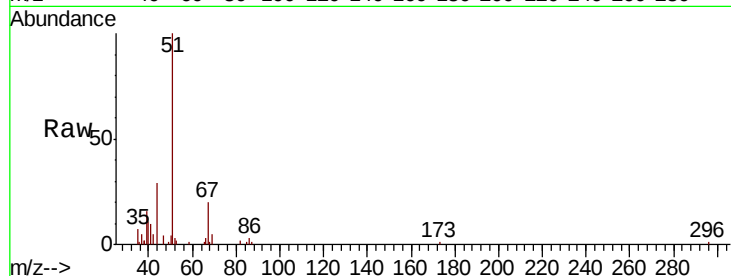
Ion Ratio Lower Upper

51 100

67 18.2 15.2 22.8

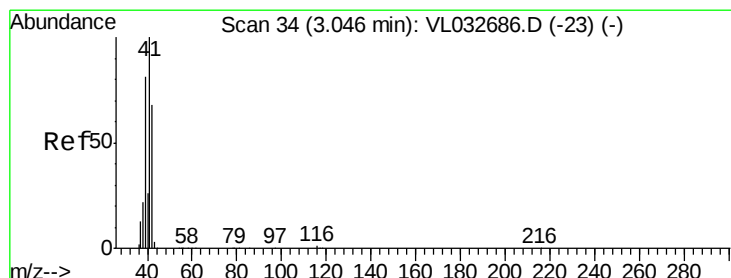
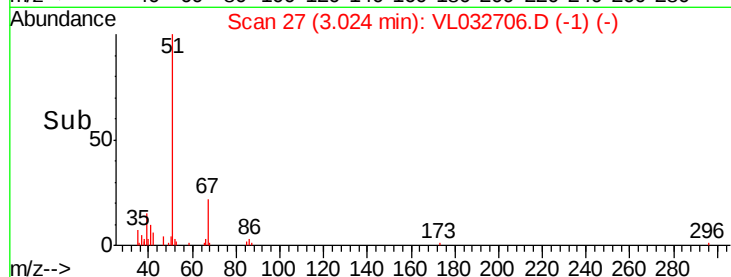
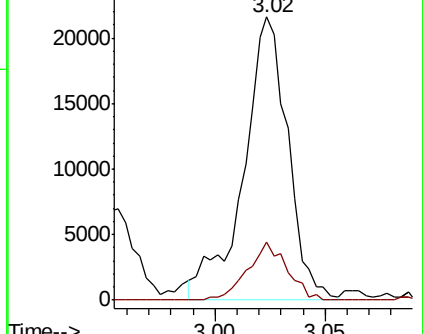
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 3.222 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032706.D

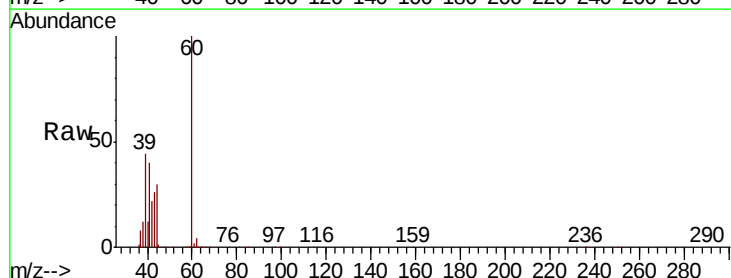
Acq: 30 Oct 2018 20:02

Tgt Ion: 41 Resp: 138672

Ion Ratio Lower Upper

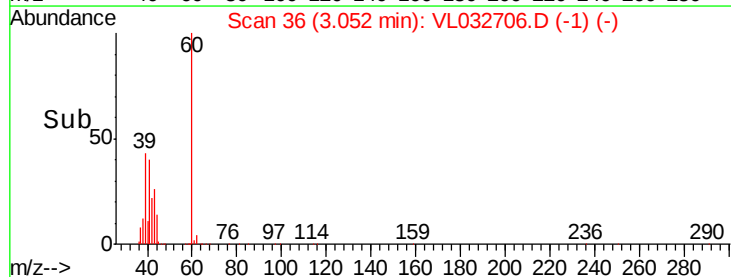
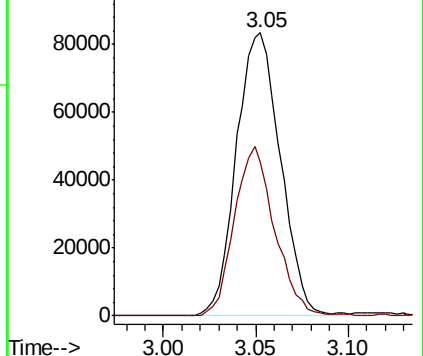
41 100

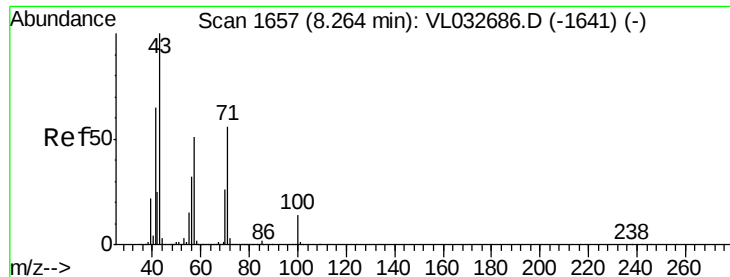
42 82.1 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





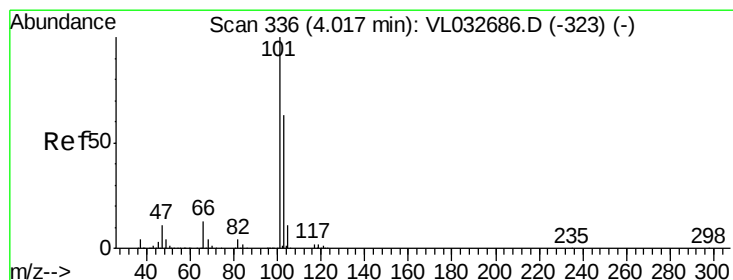
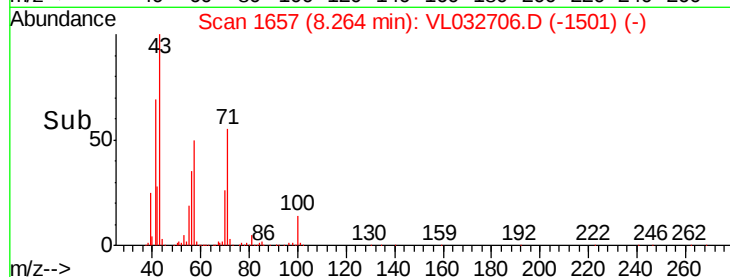
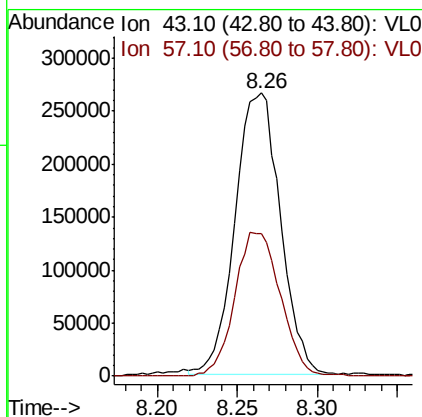
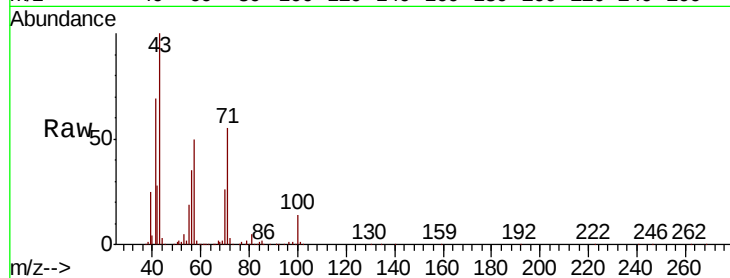
#10
Heptane
Concen: 3.080 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	43	57	Ratio	100	51.9	Resp	510738	Lower	41.5	Upper	62.3
Ion	43	57	Ratio	100	51.9	Resp	510738	Lower	41.5	Upper	62.3

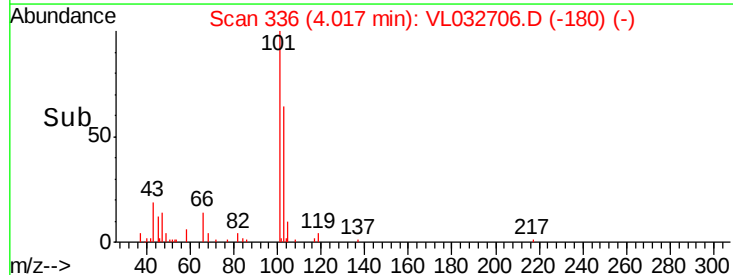
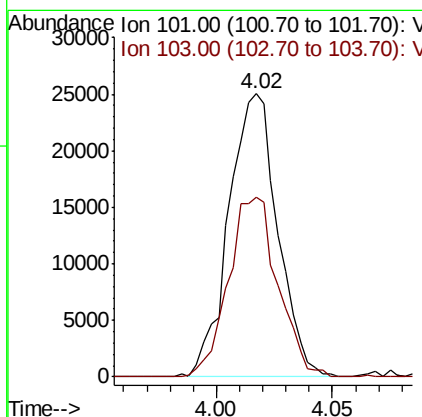
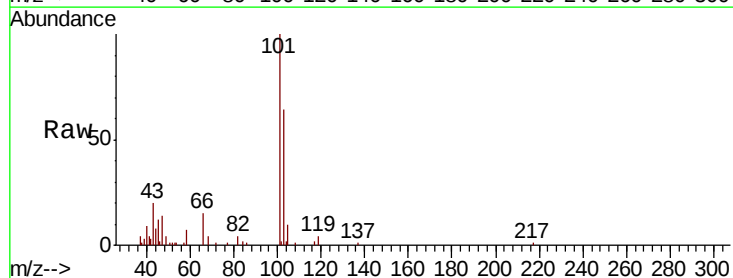
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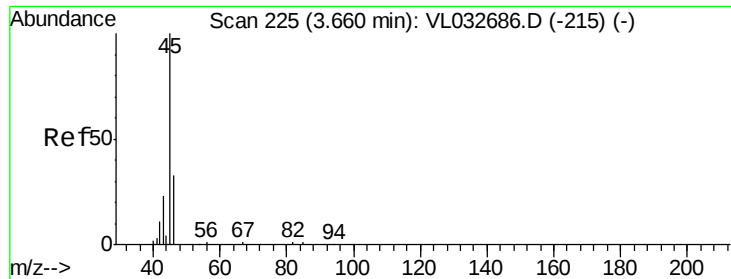
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#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	101	103	Ratio	100	63.7	Resp	36593	Lower	51.4	Upper	77.2
Ion	101	103	Ratio	100	63.7	Resp	36593	Lower	51.4	Upper	77.2





#13

Ethanol

Concen: 29.519 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 45 Resp: 363099

Ion Ratio Lower Upper

45 100

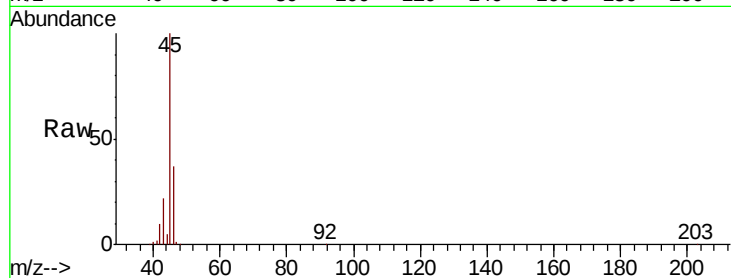
46 37.8 15.4 61.8

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.66

200000

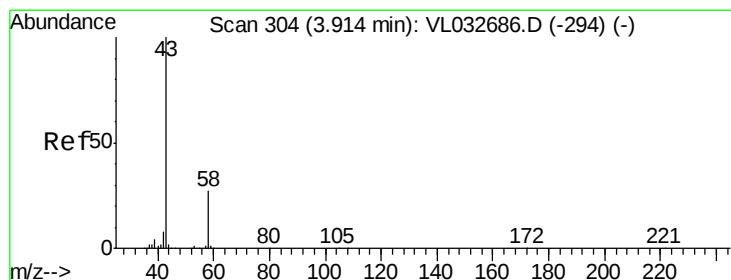
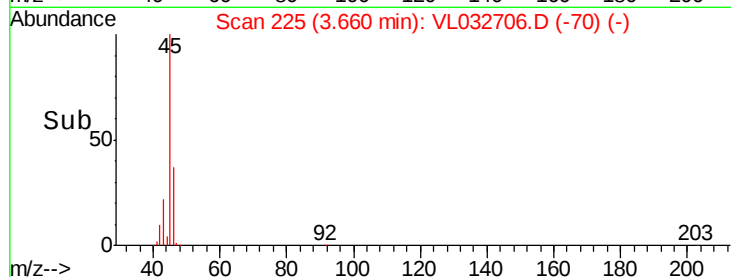
150000

100000

50000

0

Time-->



#15

Acetone

Concen: 24.713 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032706.D

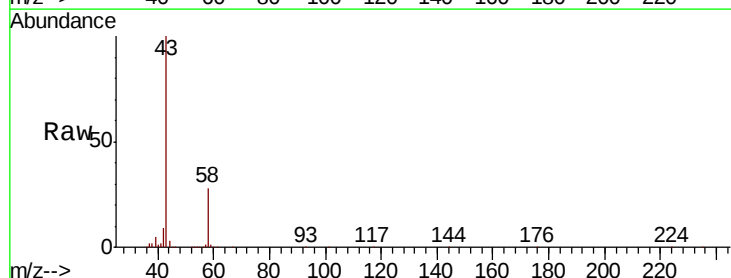
Acq: 30 Oct 2018 20:02

Tgt Ion: 43 Resp: 3051660

Ion Ratio Lower Upper

43 100

58 24.5 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

2000000

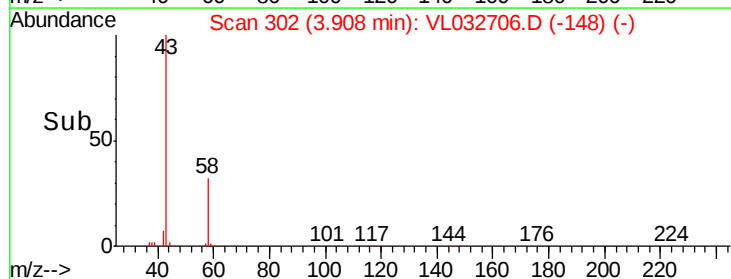
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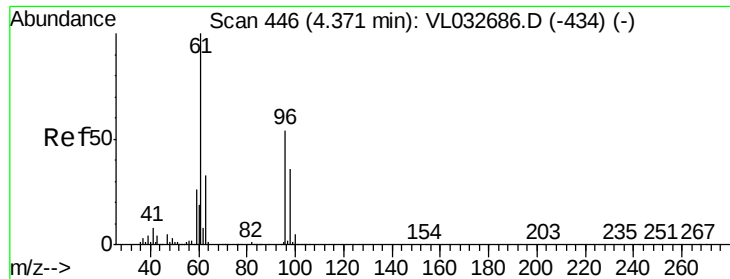
1000000

500000

0

Time-->





#17

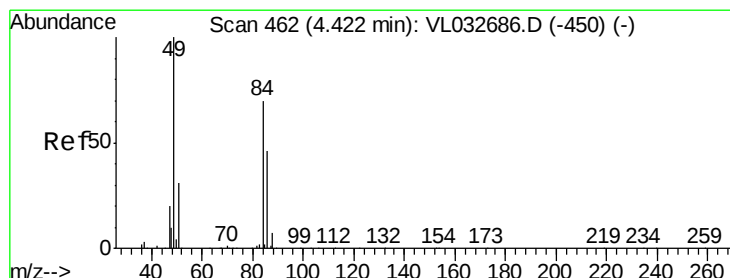
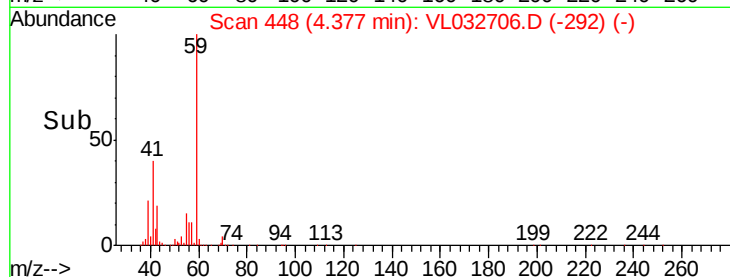
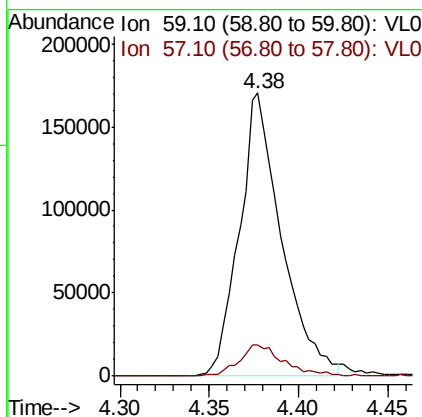
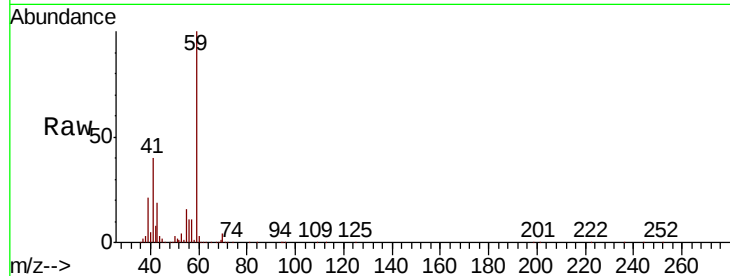
tert-Butyl alcohol
 Concen: 7.732 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion: 59 Resp: 280805
 Ion Ratio Lower Upper
 59 100
 57 12.0 0.0 0.0#

Manual Integrations
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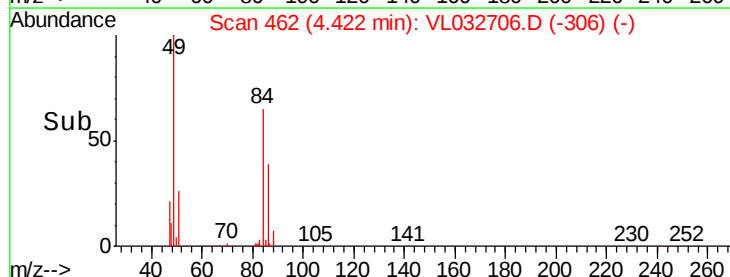
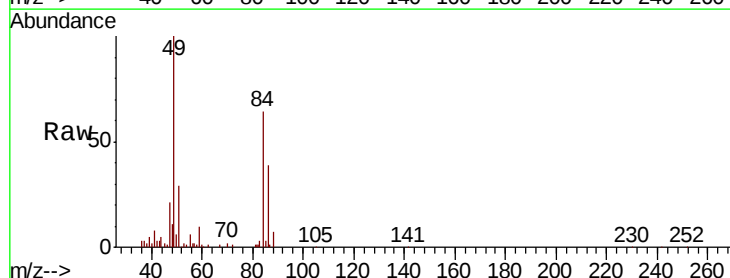
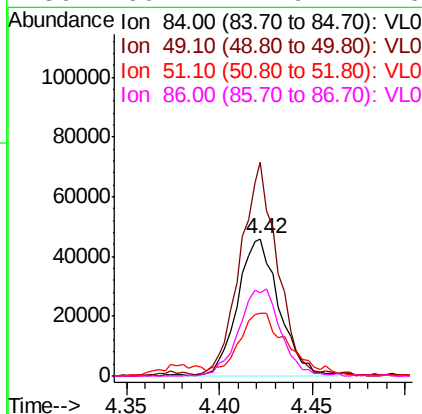
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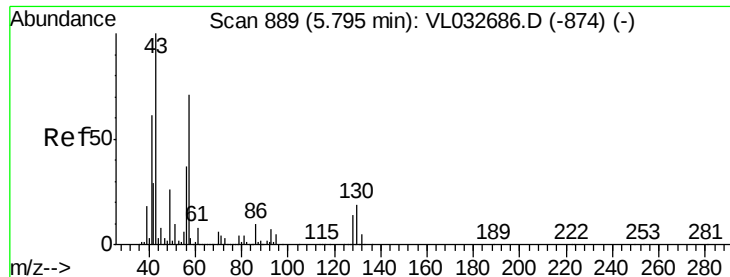


#20

Methylene Chloride
 Concen: 1.136 ppbv
 RT: 4.42 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Tgt Ion: 84 Resp: 71175
 Ion Ratio Lower Upper
 84 100
 49 154.4 113.5 170.3
 51 43.9 34.8 52.2
 86 60.1 47.9 71.9





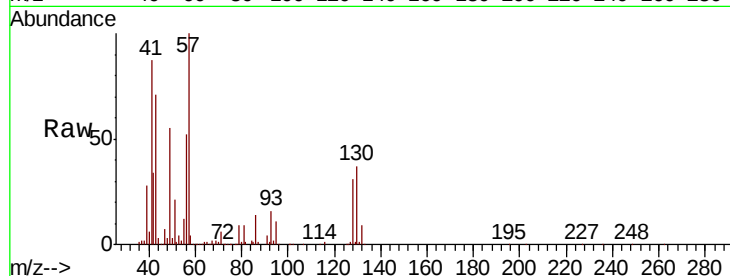
#26
Hexane
Concen: 3.858 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.9	67.4	101.0
43	71.6	171.9	257.9#
56	55.6	42.6	63.8

Manual Integrations
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MMDadoda
10/31/2018 10:40:06 AM



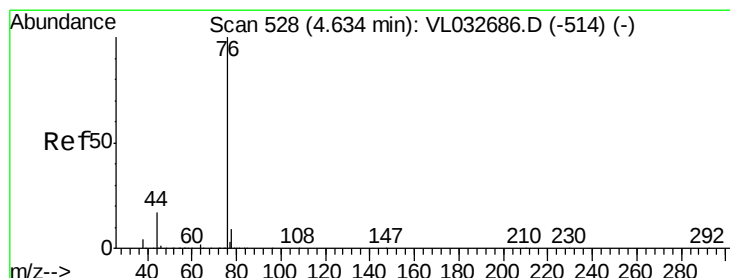
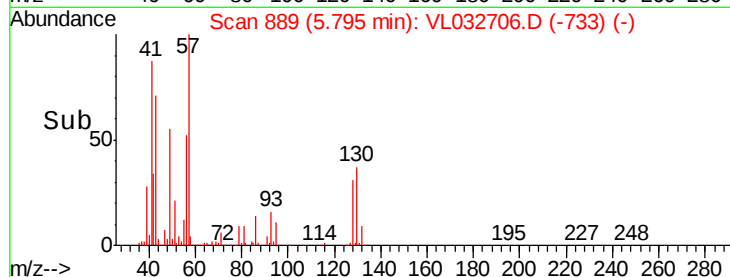
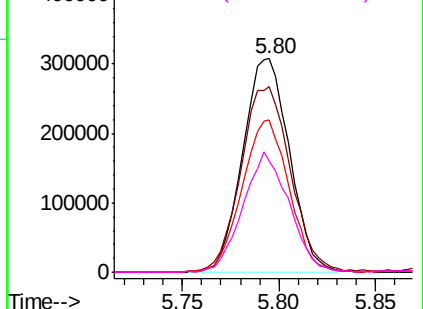
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 5.567 ppbv
RT: 4.63 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

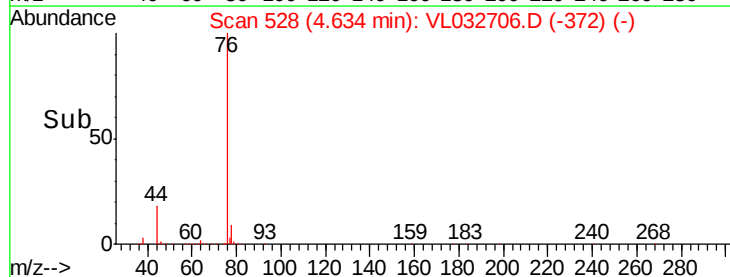
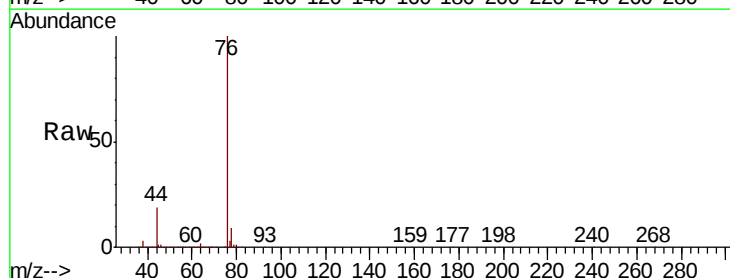
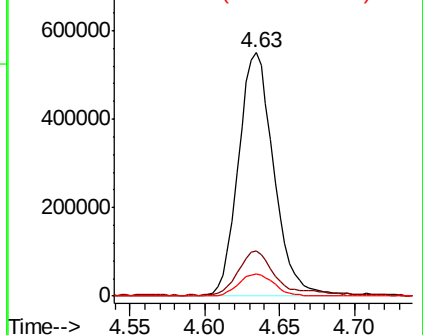
Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.7	13.7	20.5
78	9.3	7.4	11.2

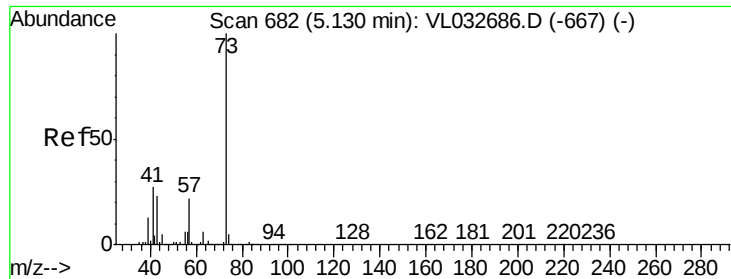
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

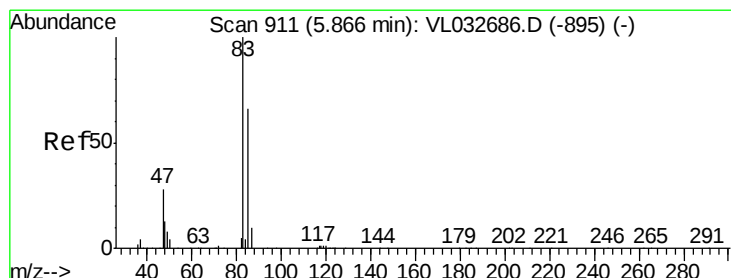
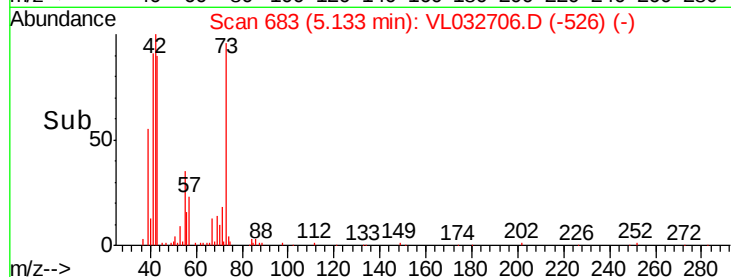
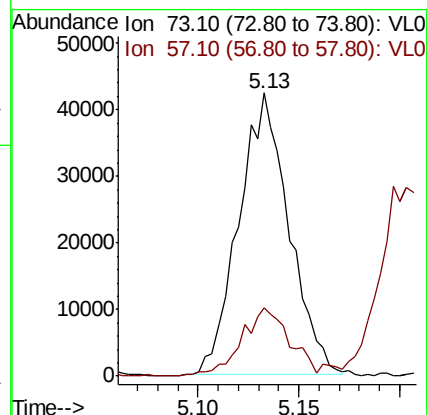
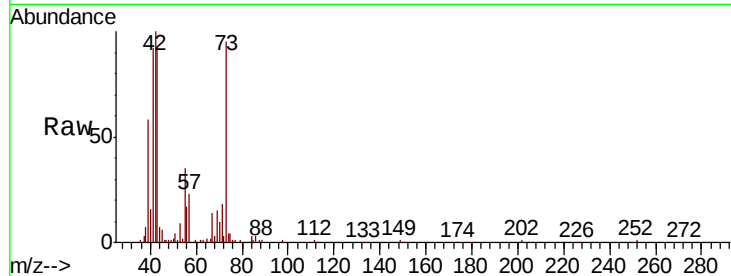
Methvl tert-Butvl Ether
 Concen: 0.379 ppbv
 RT: 5.13 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.0	27.0

Manual Integrations
 APPROVED

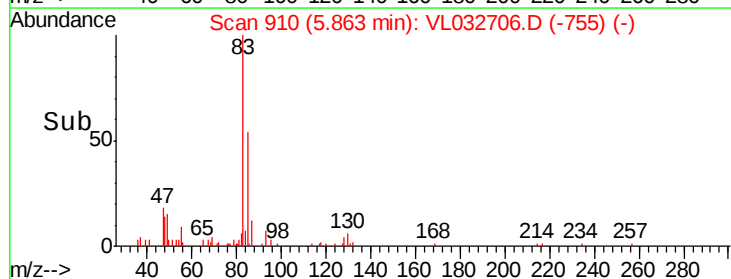
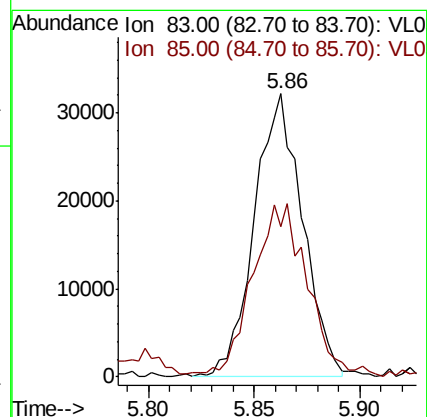
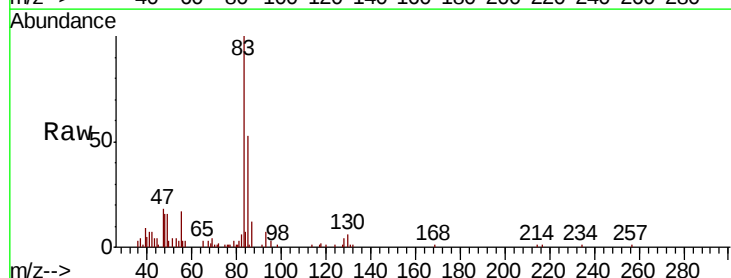
MMDadoda
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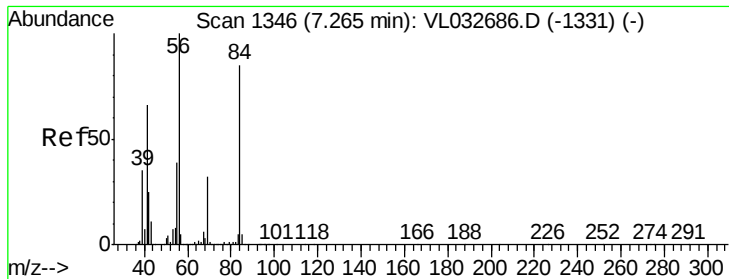


#29

Chloroform
 Concen: 0.238 ppbv
 RT: 5.86 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.8	53.0	79.6#





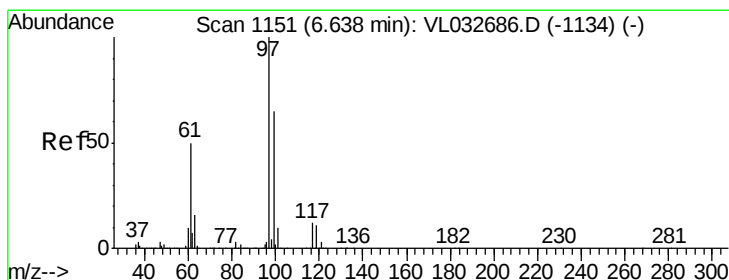
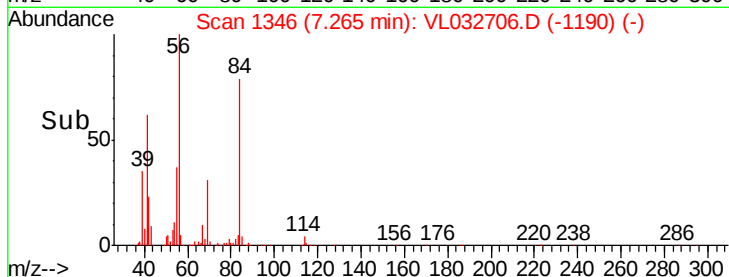
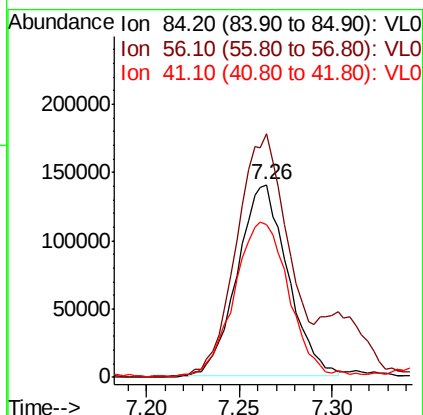
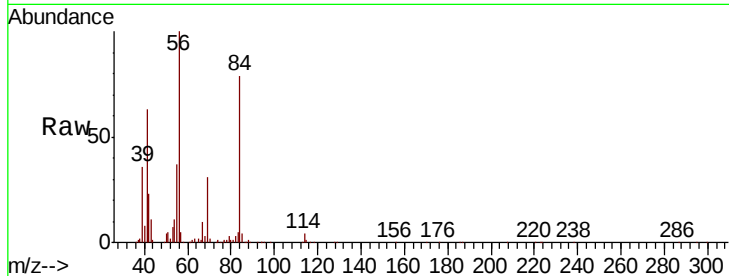
#30
Cvclohexane
Concen: 2.493 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	161.3	108.3	162.5
41	87.1	64.8	97.2

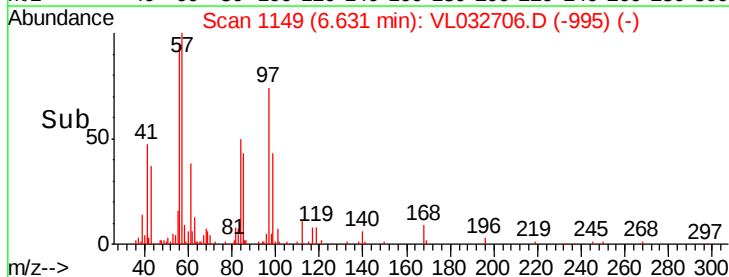
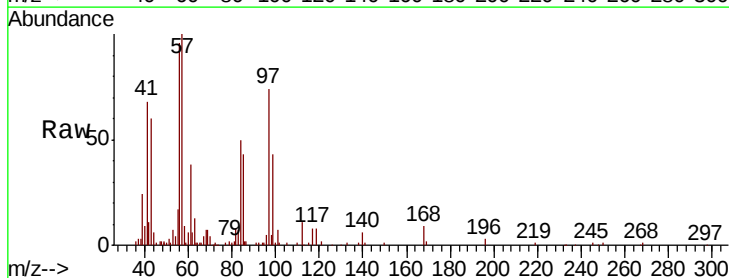
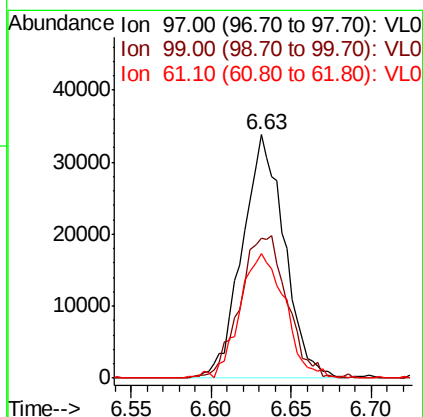
Manual Integrations
APPROVED

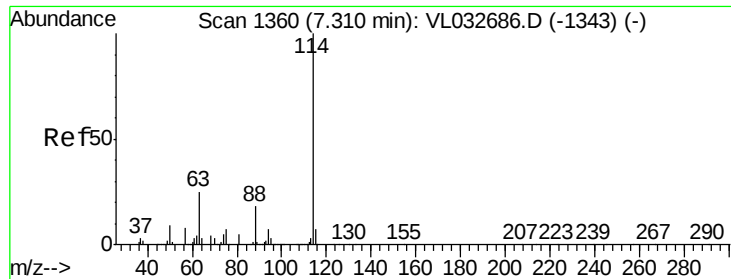
MMDadoda
10/31/2018 10:40:06 AM



#32
1,1,1-Trichloroethane
Concen: 0.279 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	55.2	40.7	61.1





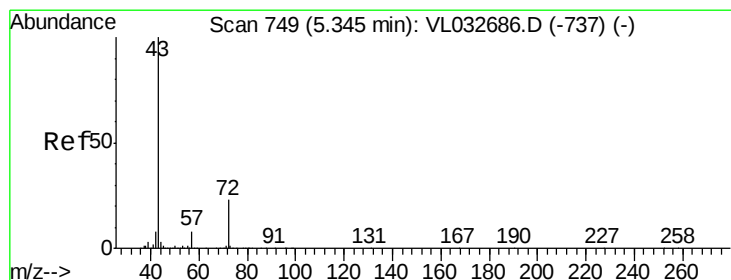
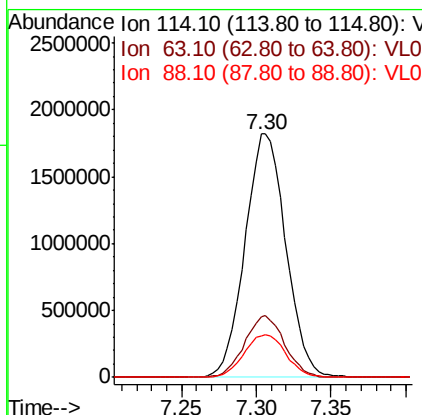
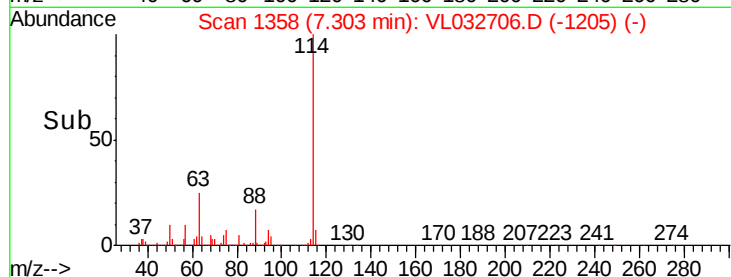
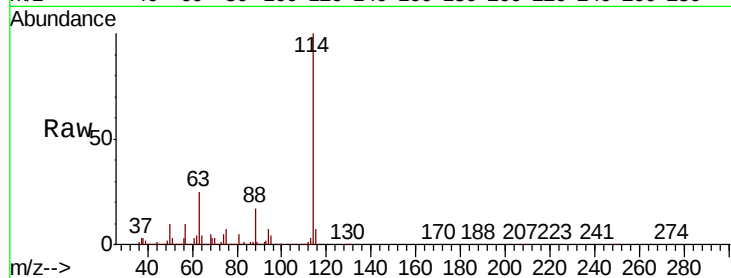
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	18.1	14.9	22.3

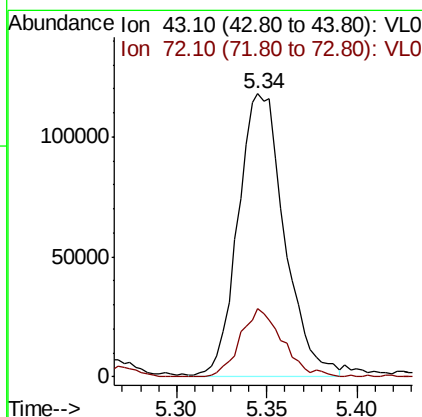
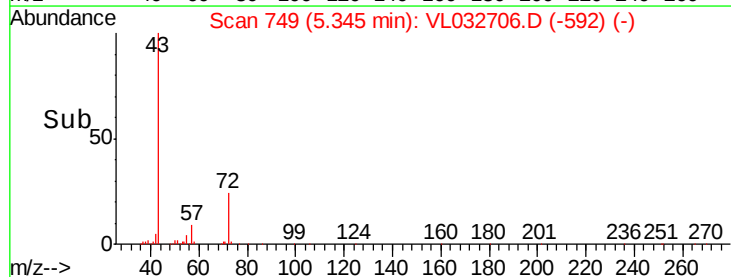
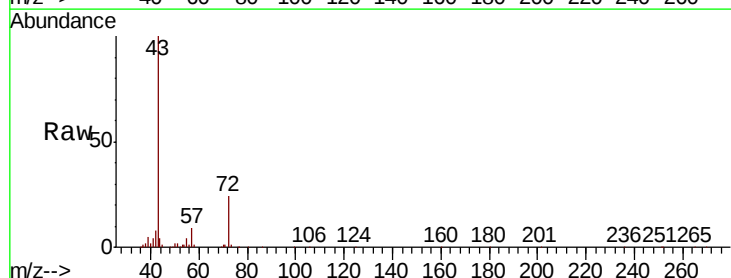
Manual Integrations
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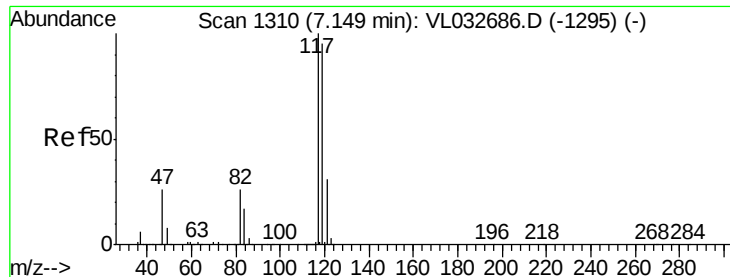
MMDadoda
 10/31/2018 10:40:06 AM



#34
 2-Butanone
 Concen: 1.146 ppbv m
 RT: 5.34 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.6	27.8





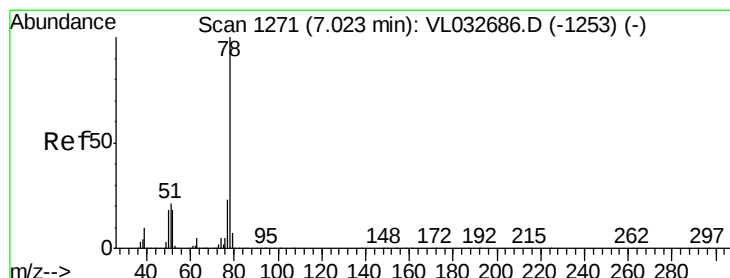
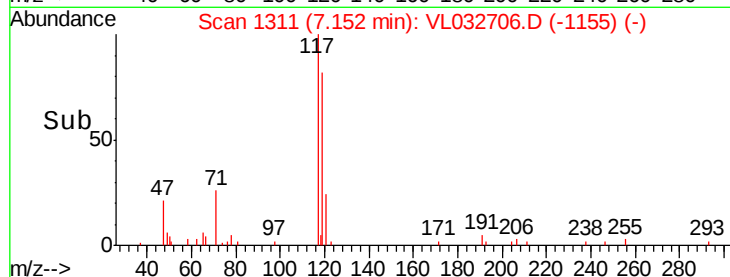
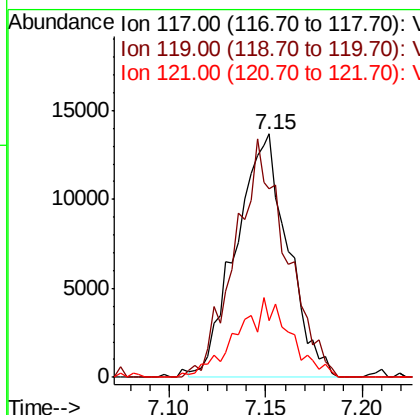
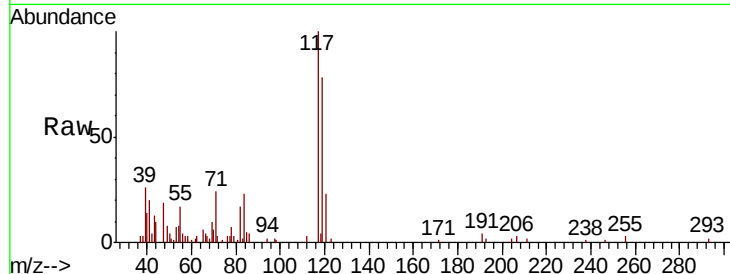
#35
Carbon Tetrachloride
Concen: 0.105 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	77.5	75.7	113.5
121	23.2	24.7	37.1#

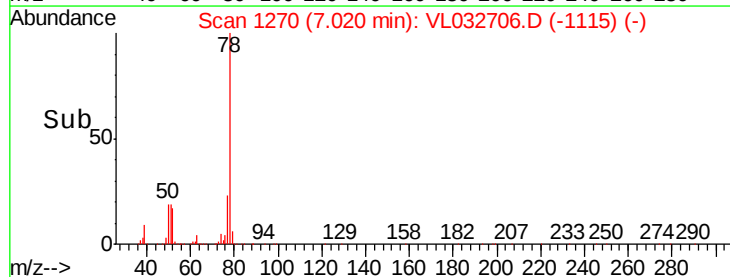
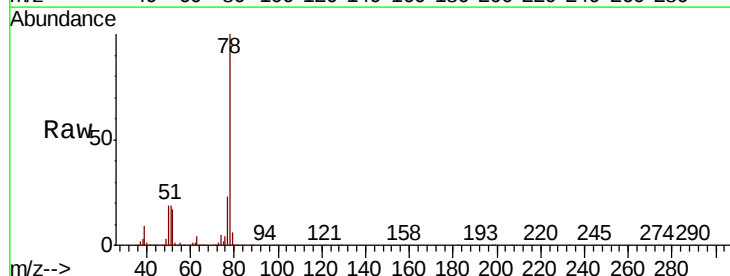
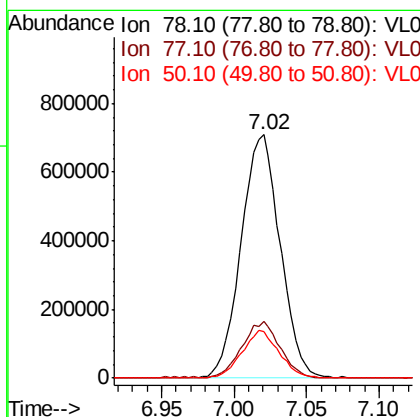
Manual Integrations
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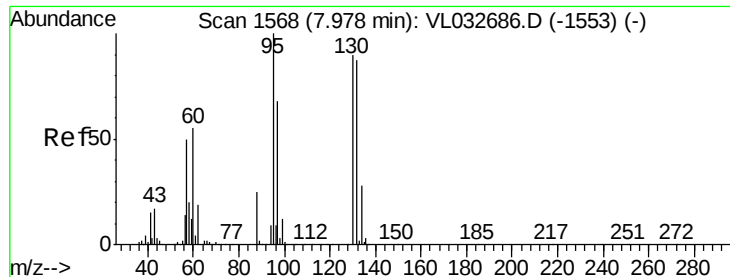
MMDadoda
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#36
Benzene
Concen: 4.727 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	18.9	15.1	22.7





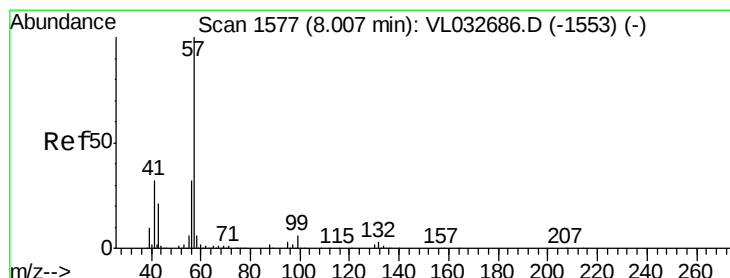
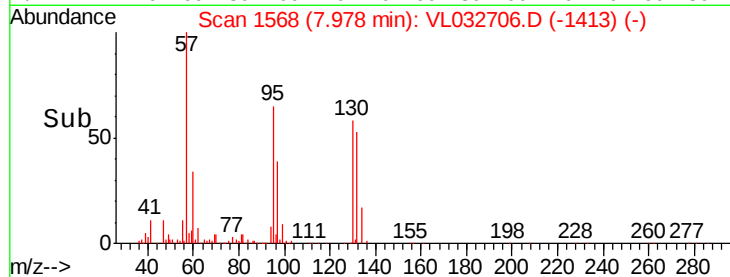
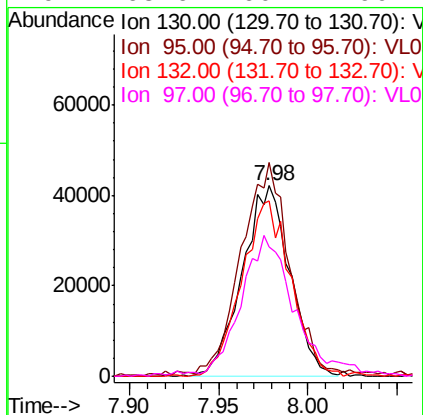
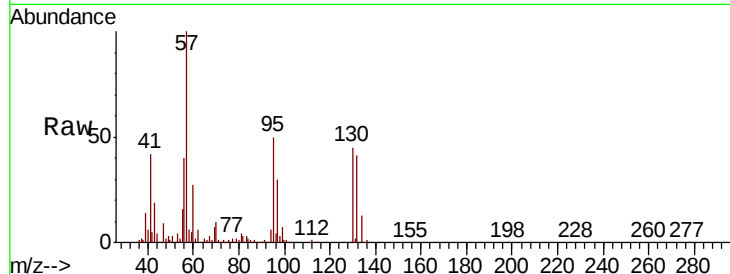
#38
 Trichloroethene
 Concen: 0.756 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Tot Ion	Ratio	Lower	Upper
130	100		
95	110.2	93.4	140.0
132	92.2	76.5	114.7
97	65.6	60.2	90.2

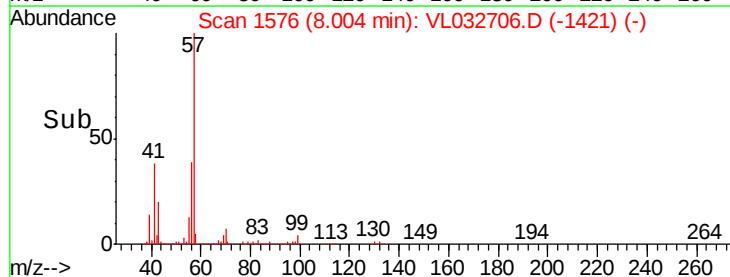
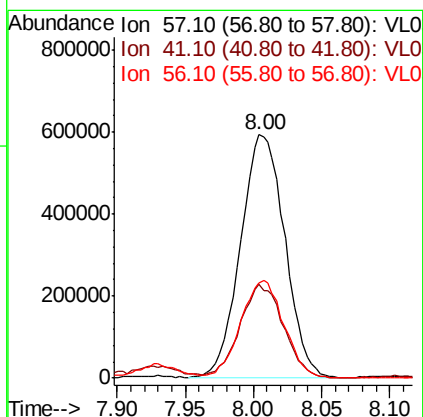
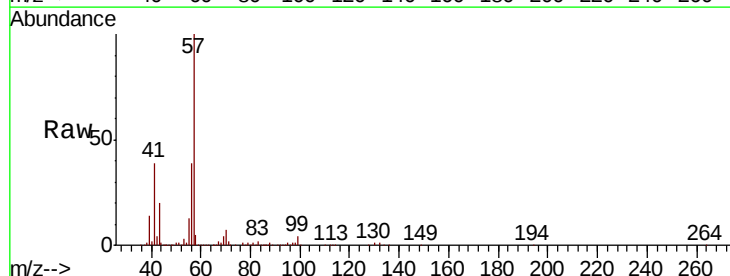
Manual Integrations
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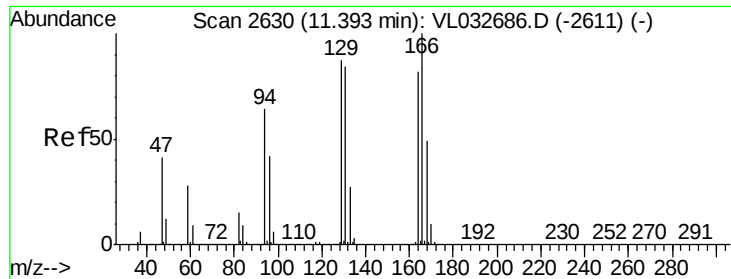
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 10/31/2018 10:40:06 AM



#44
 2,2,4-Trimethylpentane
 Concen: 2.795 ppbv
 RT: 8.00 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.4	24.7	37.1#
56	39.4	25.0	37.4#





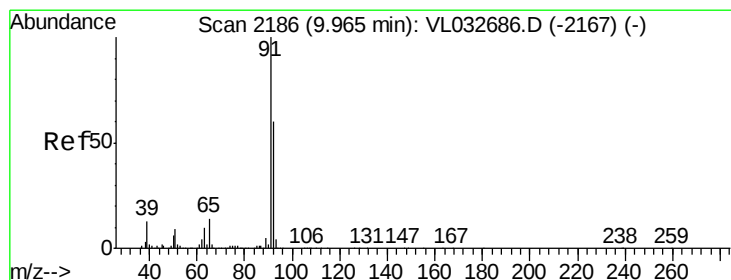
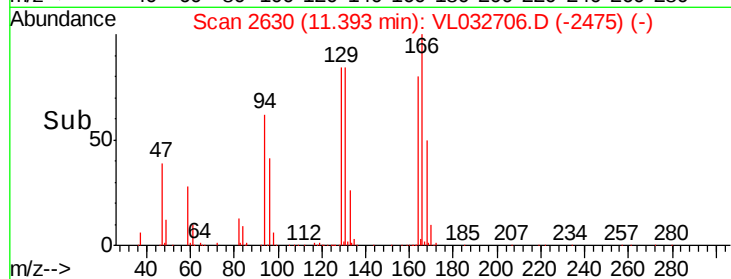
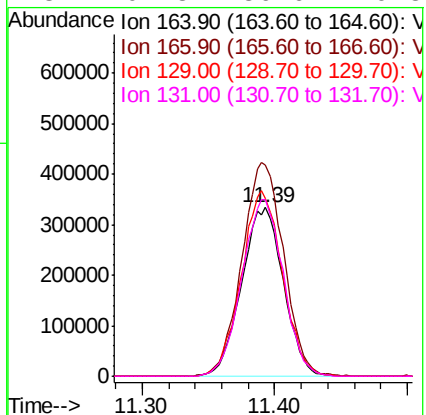
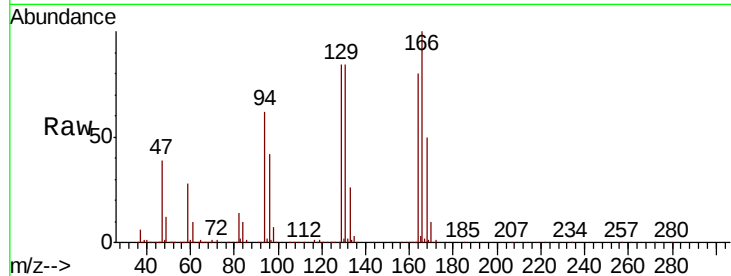
#52
Tetrachloroethene
Concen: 7.467 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.1	100.5	150.7
129	105.8	90.0	135.0
131	104.8	86.6	129.8

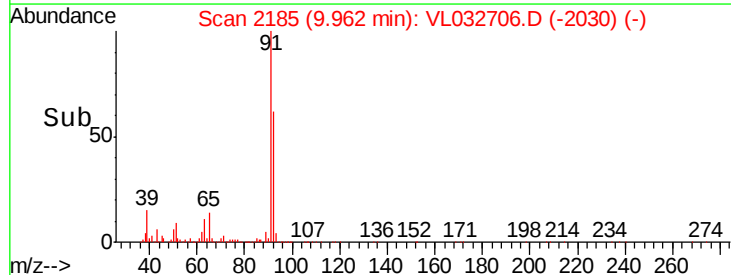
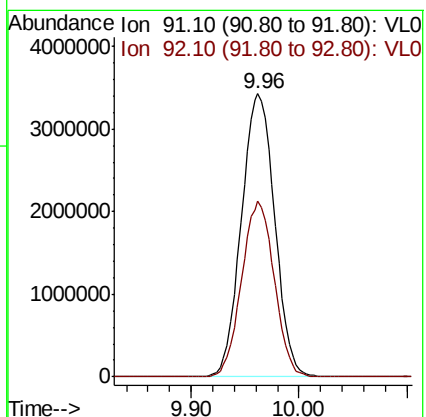
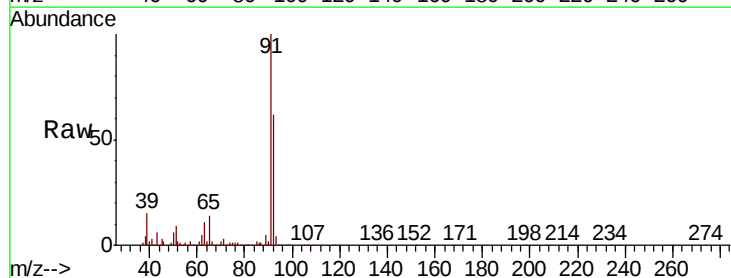
Manual Integrations
APPROVED

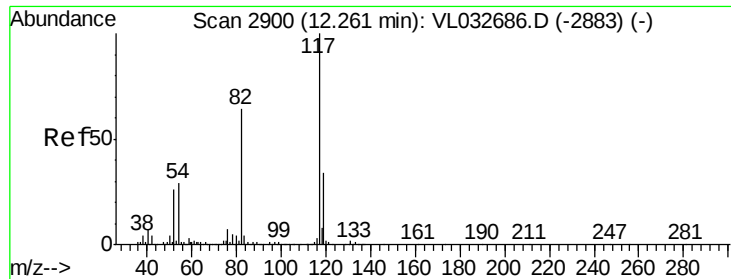
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#53
Toluene
Concen: 22.921 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.4	72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion:117 Resp: 3452933

Ion Ratio Lower Upper

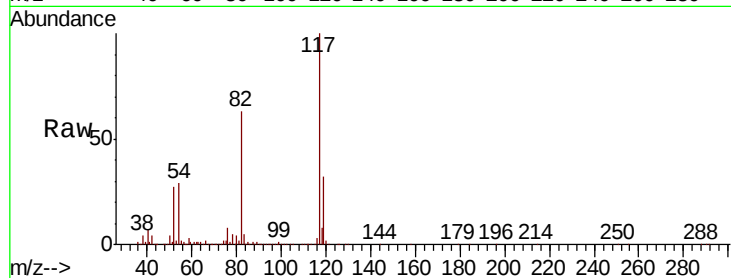
117 100

82 64.1 52.7 79.1

119 32.6 26.7 40.1

Manual Integrations
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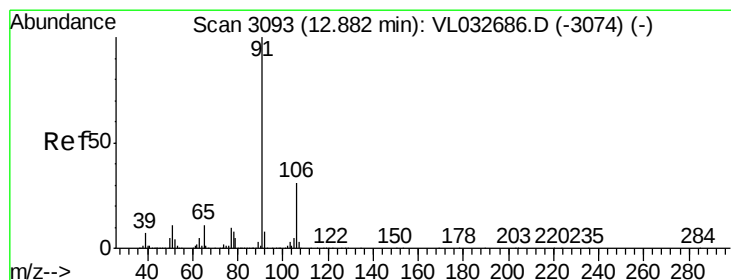
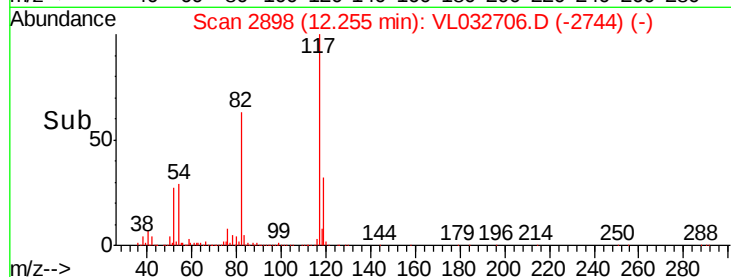
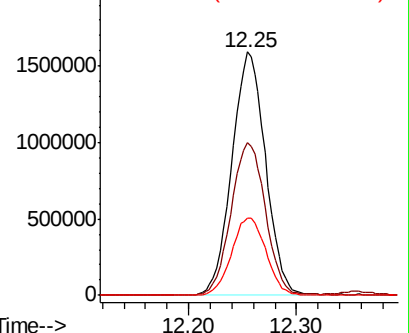
MMDadoda
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 3.121 ppbv

RT: 12.88 min Scan# 3092

Delta R.T. -0.00 min

Lab File: VL032706.D

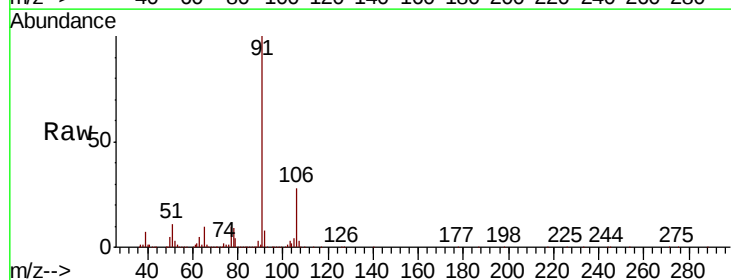
Acq: 30 Oct 2018 20:02

Tgt Ion: 91 Resp: 1252099

Ion Ratio Lower Upper

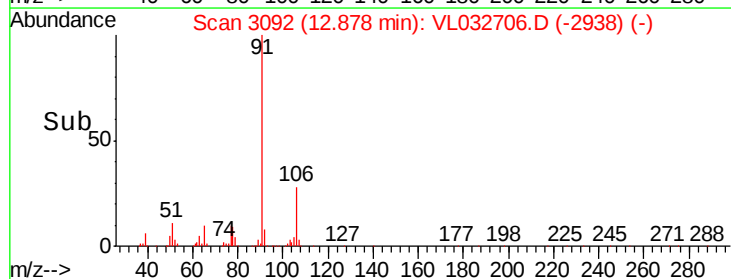
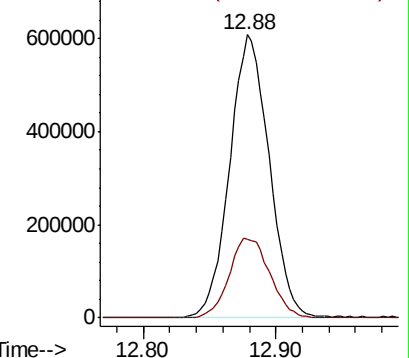
91 100

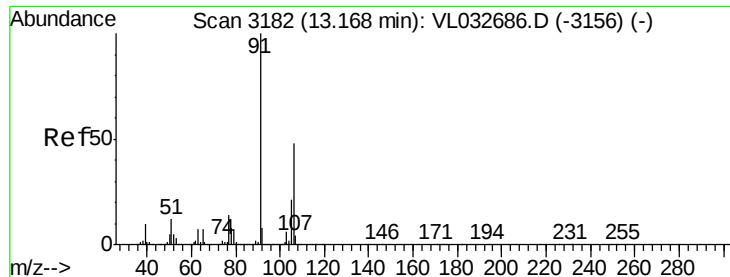
106 27.9 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





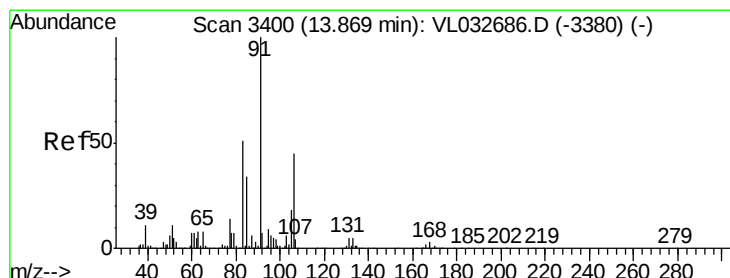
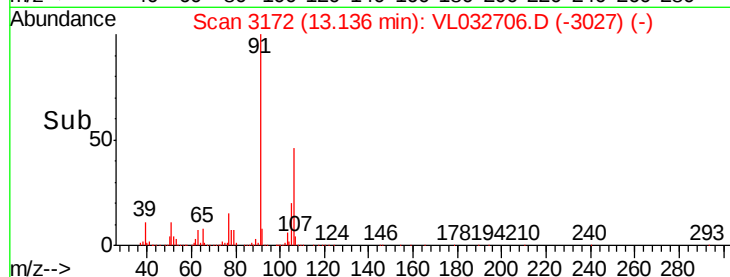
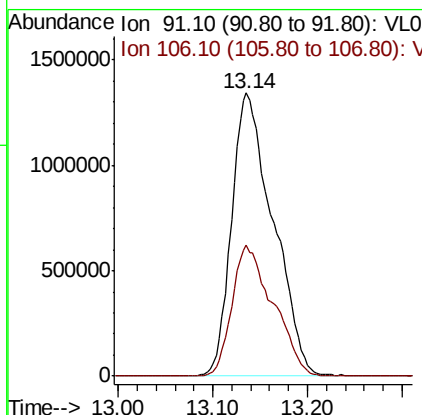
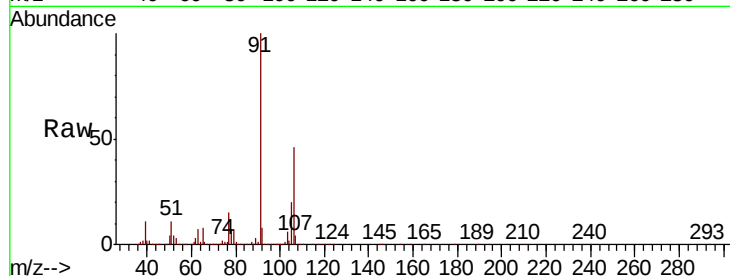
#59
m/p-Xylene
Concen: 11.438 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.03 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion: 91 Resp: 4085698
Ion Ratio Lower Upper
91 100
106 46.1 35.9 53.9

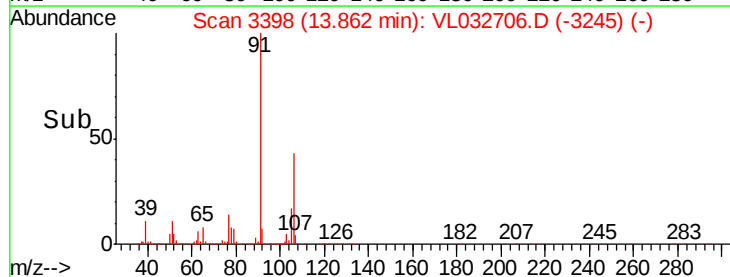
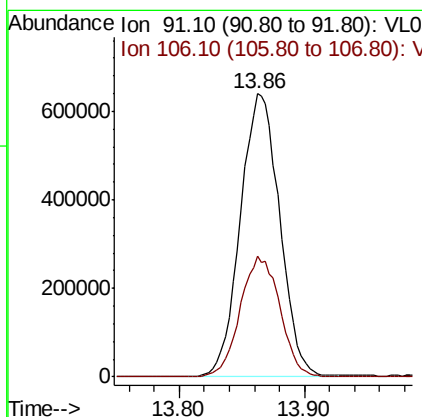
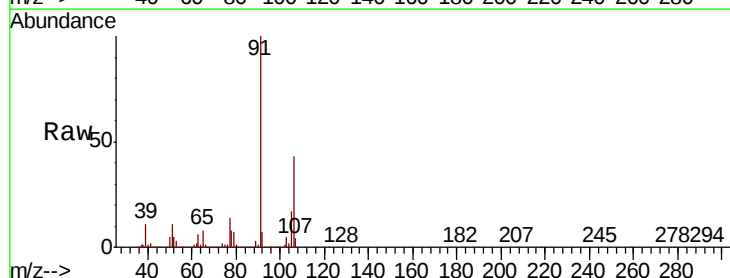
Manual Integrations
APPROVED

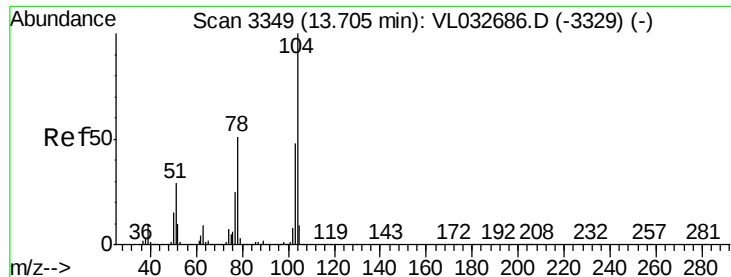
MMDadoda
10/31/2018 10:40:06 AM



#60
o-Xylene
Concen: 4.043 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion: 91 Resp: 1393121
Ion Ratio Lower Upper
91 100
106 43.1 22.1 66.1





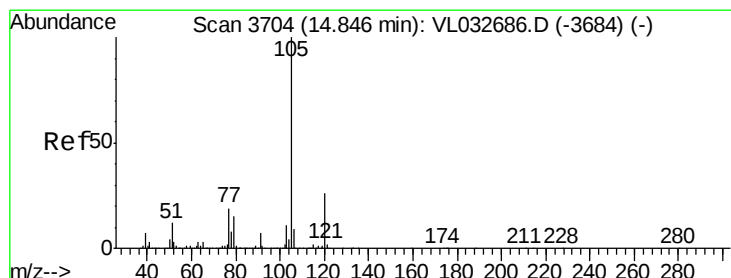
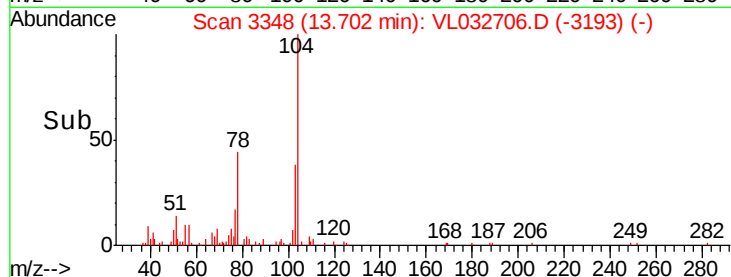
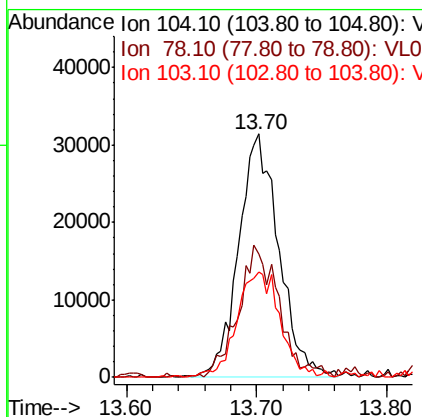
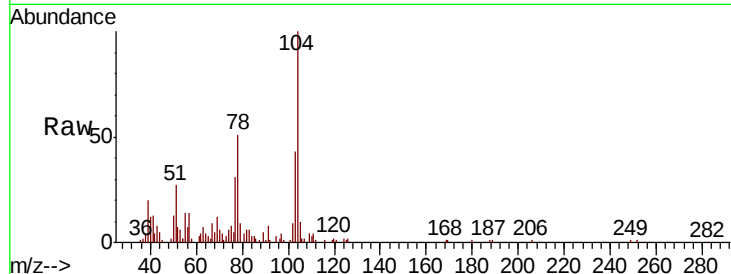
#61
Stvrene
Concen: 0.291 ppbv m
RT: 13.70 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	42.8	64.2
103	47.0	37.4	56.0

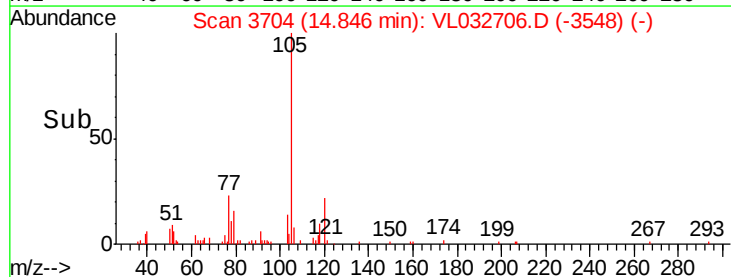
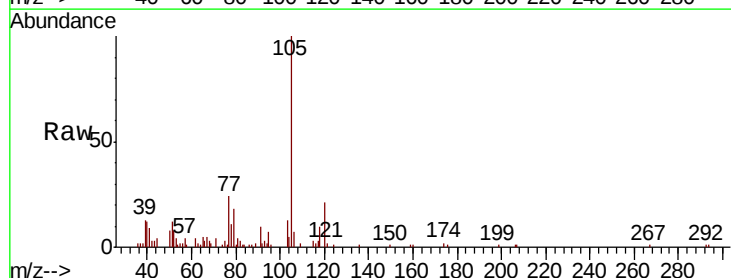
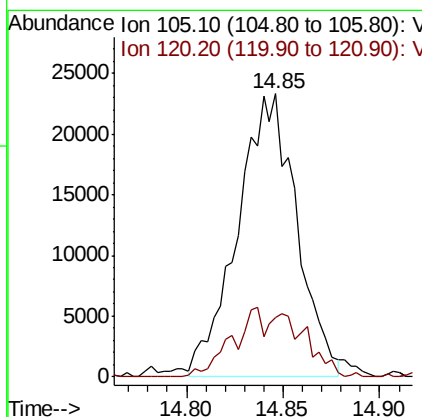
Manual Integrations
APPROVED

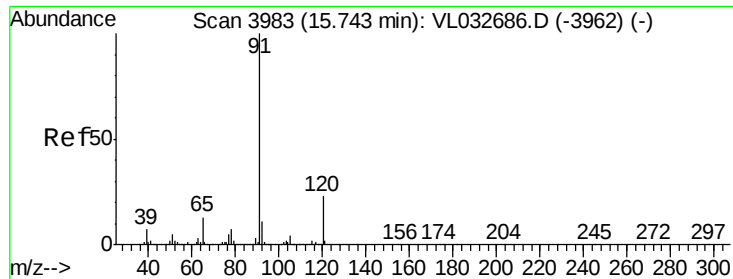
MMDadoda
10/31/2018 10:40:06 AM



#62
Isopropylbenzene
Concen: 0.102 ppbv
RT: 14.85 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.5	30.7





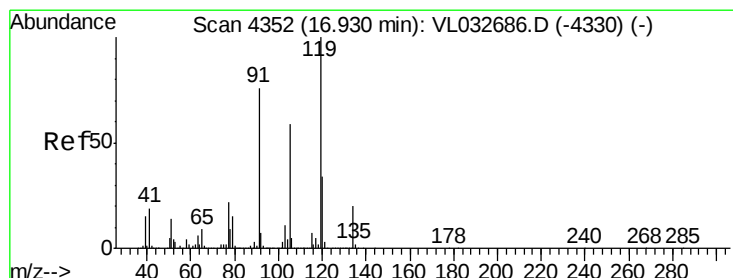
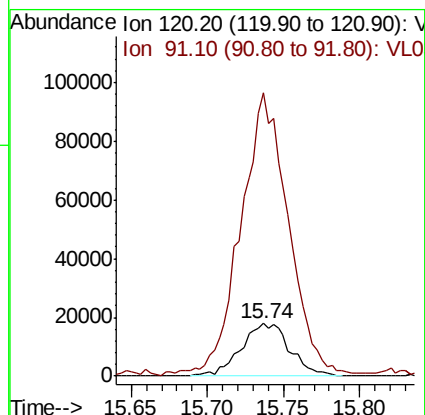
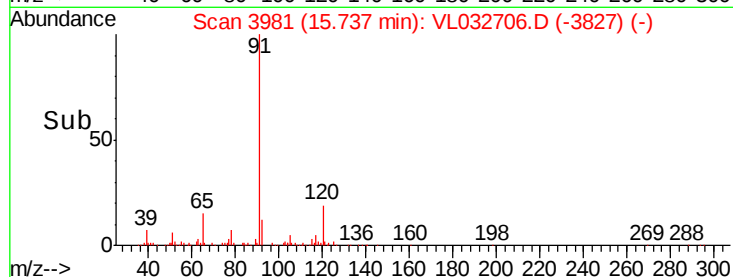
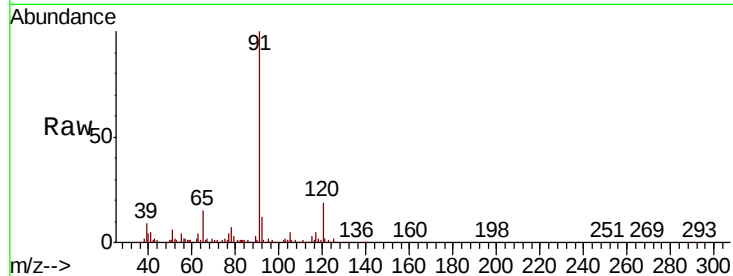
#64
n-propylbenzene
Concen: 0.332 ppbv m
RT: 15.74 min Scan# 3981
Delta R.T. -0.00 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Instrument :
MSVOA_L
ClientSampled :
SS-1

Tot Ion	Ratio	Lower	Upper
120	100		
91	525.7	390.2	585.2

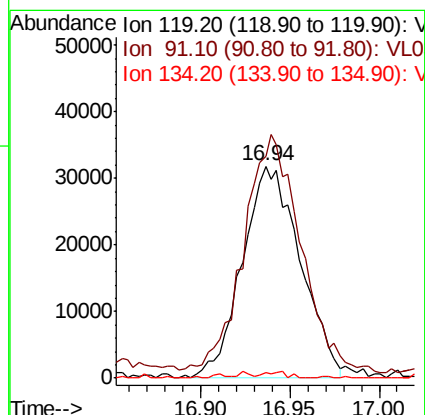
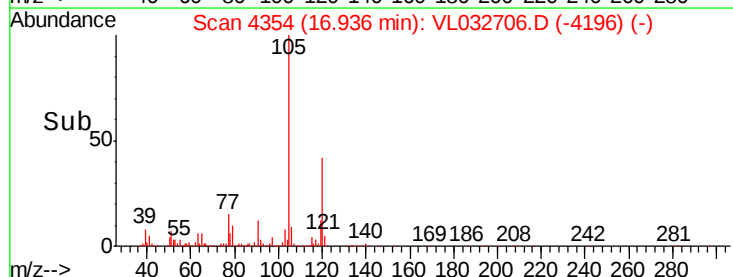
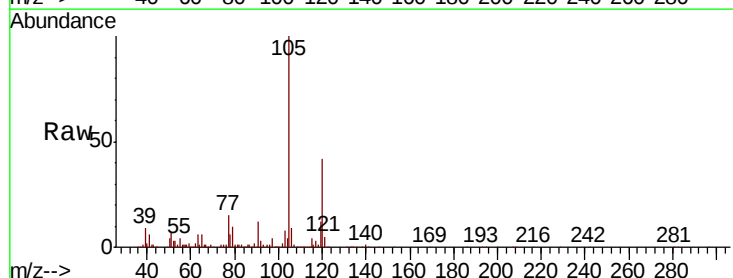
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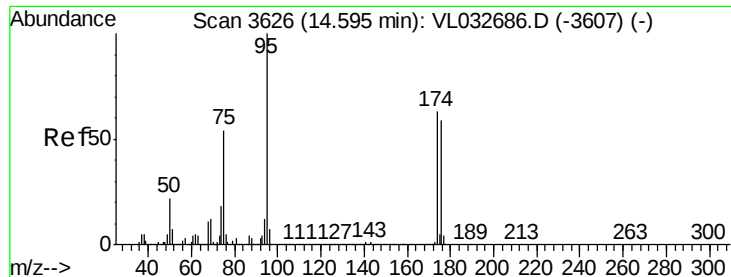
MMDadoda
10/31/2018 10:40:06 AM



#65
tert-Butylbenzene
Concen: 0.174 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL032706.D
Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	110.8	67.8	101.8#
134	0.0	15.8	23.8#





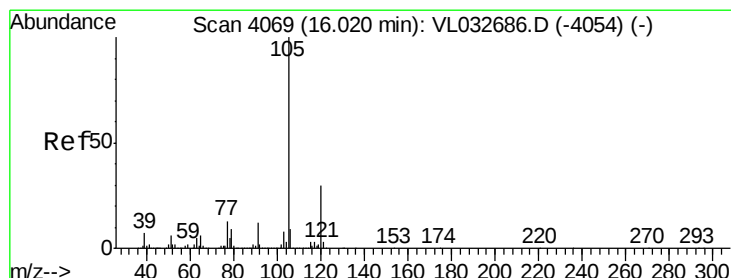
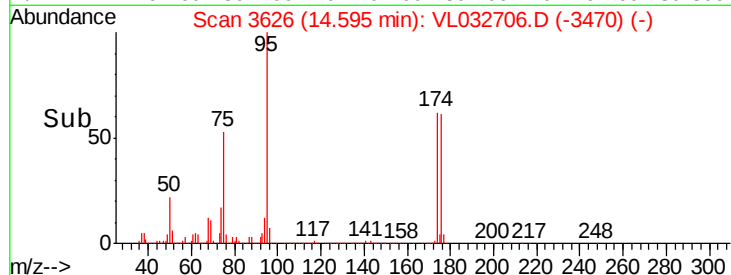
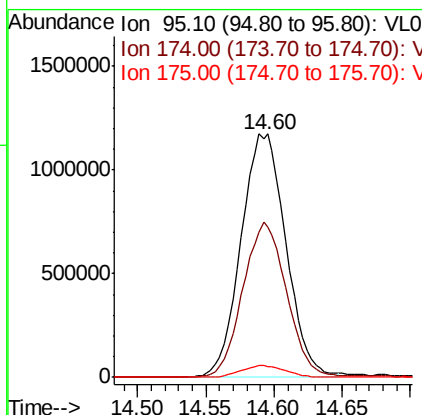
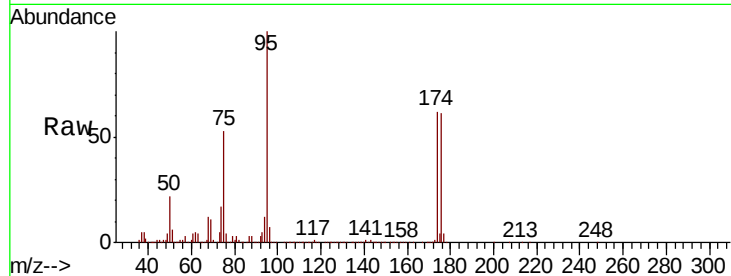
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.446 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.0	46.0	69.0
175	4.8	3.4	5.0

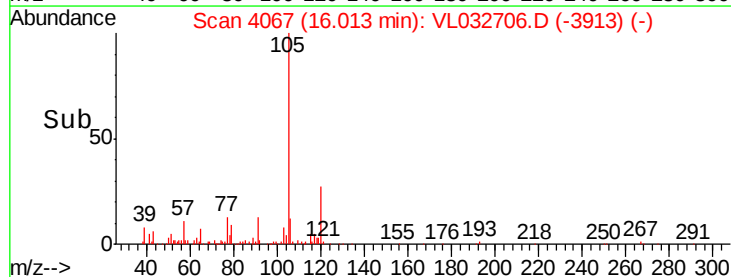
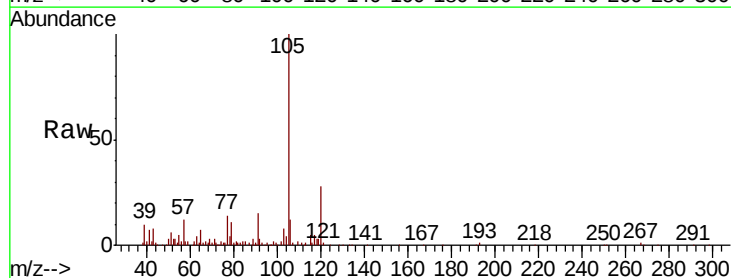
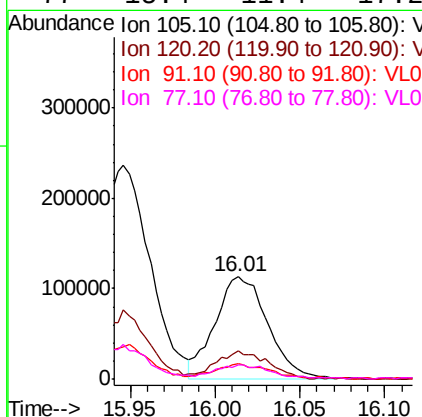
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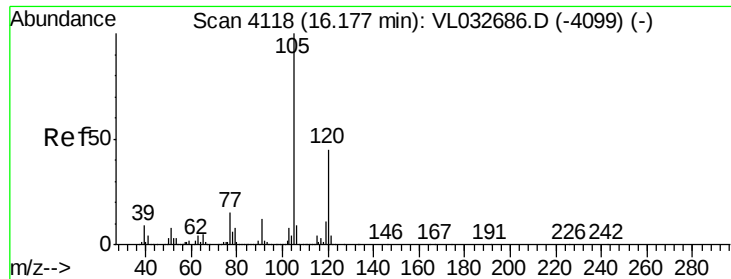
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 10/31/2018 10:40:06 AM



#72
 4-Ethyltoluene
 Concen: 0.670 ppbv m
 RT: 16.01 min Scan# 4067
 Delta R.T. -0.00 min
 Lab File: VL032706.D
 Acq: 30 Oct 2018 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	23.7	35.5
91	14.3	10.4	15.6
77	15.4	11.4	17.2





#73

1,3,5-Trimethylbenzene

Concen: 0.488 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tot Ion:105 Resp: 174578

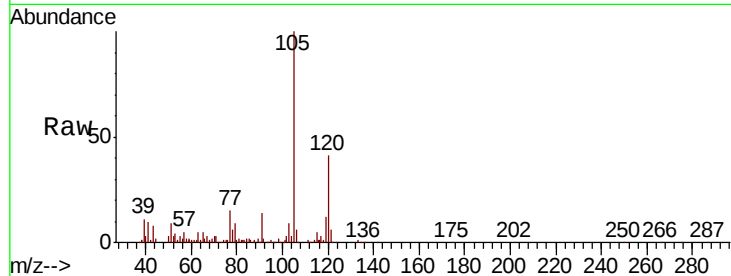
Ion Ratio Lower Upper

105 100

120 41.1 35.4 53.2

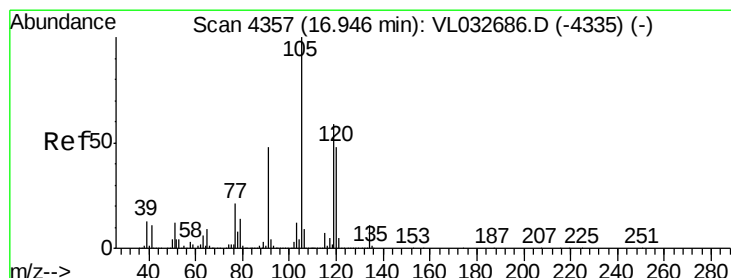
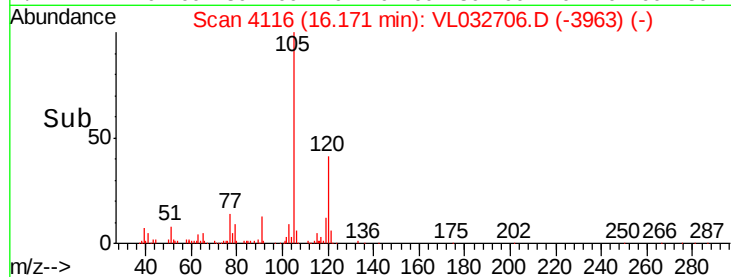
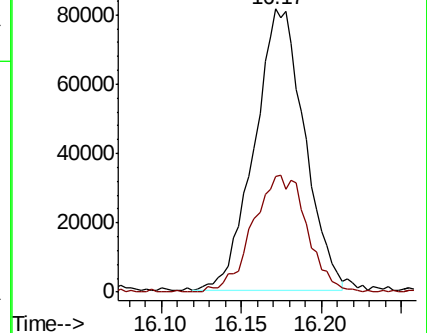
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.600 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Tgt Ion:105 Resp: 610717

Ion Ratio Lower Upper

105 100

120 43.9 35.8 53.8

91 12.5 33.2 49.8#

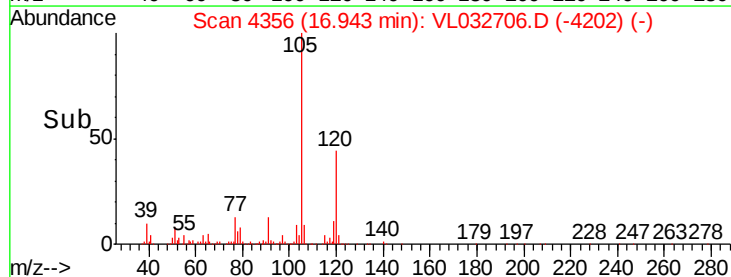
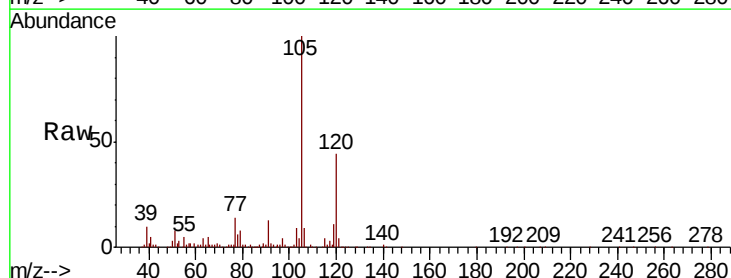
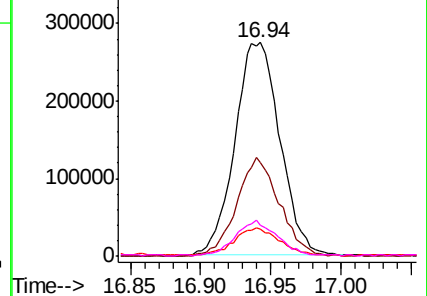
77 14.0 16.2 24.4#

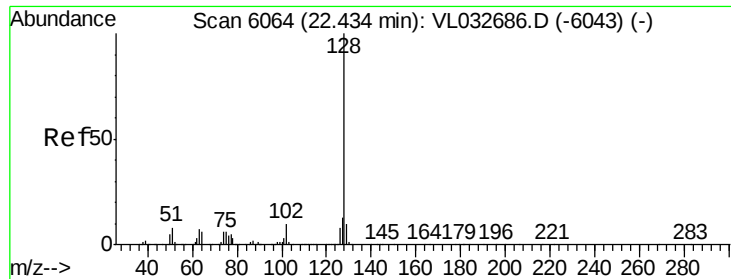
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.820 ppbv m

RT: 22.43 min Scan# 6063

Delta R.T. -0.00 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Instrument :

MSVOA_L

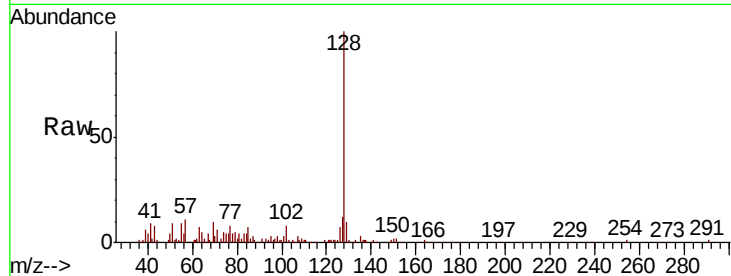
ClientSampled :

SS-1

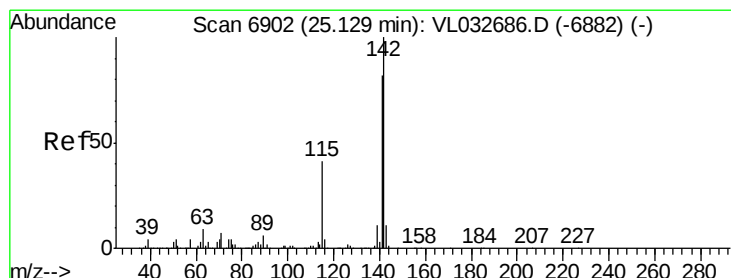
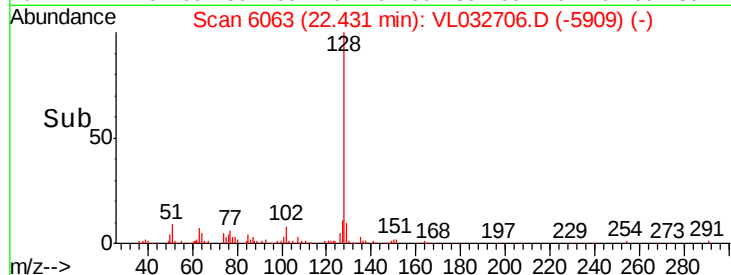
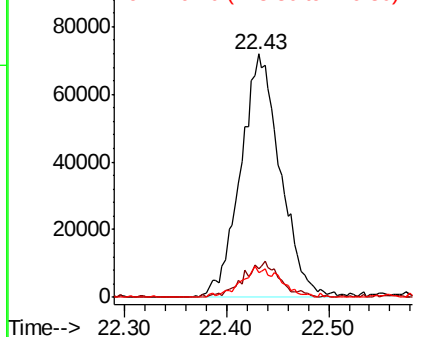
Tot Ion:	128	Resp:	194586
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.3	15.5
129	10.3	8.6	13.0

Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.837 ppbv

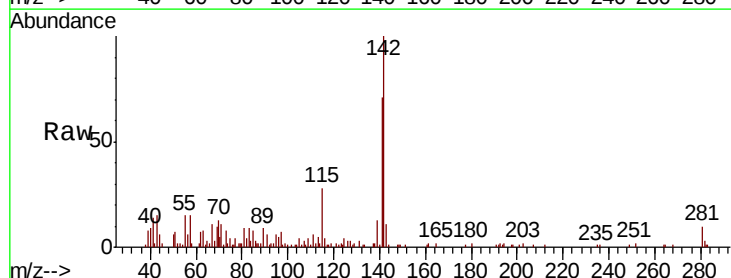
RT: 25.13 min Scan# 6903

Delta R.T. 0.01 min

Lab File: VL032706.D

Acq: 30 Oct 2018 20:02

Tgt Ion:	142	Resp:	48305
Ion Ratio	Lower	Upper	
142	100		
141	88.0	67.5	101.3
115	49.0	33.5	50.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

