

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032027.D
 Acq On : 1 Jun 2018 18:57
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:35:46 PM

Quant Time: Jun 02 02:23:26 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	5.87	49	1288053	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2474894	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2636907	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	1981125	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	1303557	8.42	ppbv	100
3) Chlorodifluoromethane	3.08	51	1132562	9.35	ppbv	99
4) Chloromethane	3.24	50	607070	9.88	ppbv	100
5) Vinyl Chloride	3.37	62	639987	9.38	ppbv	97
6) Bromomethane	3.59	94	461068	9.83	ppbv	97
7) Chloroethane	3.68	64	270645	9.31	ppbv	97
8) Dichlorotetrafluoroethane	3.30	85	1622762	9.61	ppbv	99
9) Propene	3.11	41	417909	10.56	ppbv	99
10) Heptane	8.37	43	1485526	10.58	ppbv	100
11) Trichlorofluoromethane	4.09	101	1956012	8.20	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1540587	9.42	ppbv	99
13) Ethanol	3.73	45	131918	8.53	ppbv	98
14) Bromoethene	3.87	108	533070	9.27	ppbv	99
15) Acetone	3.99	43	1286859	8.28	ppbv	99
16) 1,3-Butadiene	3.44	39	566747	9.99	ppbv	94
17) tert-Butyl alcohol	4.45	59	802741	10.77	ppbv	99
18) 1,1-Dichloroethene	4.44	96	715972	10.07	ppbv	93
19) Isopropyl Alcohol	4.12	45	968881m	9.42	ppbv	
20) Methylene Chloride	4.50	84	688649	9.76	ppbv	98
21) Allyl Chloride	4.57	41	1098022	10.03	ppbv	99
22) trans-1,2-Dichloroethene	5.06	96	767557	10.04	ppbv	97
23) Vinyl Acetate	5.25	43	2152588	10.24	ppbv	99
24) 1,1-Dichloroethane	5.19	63	1993661	9.74	ppbv	99
25) Ethyl Acetate	5.87	43	2975873	9.67	ppbv	100
26) Hexane	5.88	57	1427126	9.98	ppbv	100
27) Carbon Disulfide	4.71	76	1952192	10.42	ppbv	99
28) Methyl tert-Butyl Ether	5.21	73	1901651	10.75	ppbv	100
29) Chloroform	5.96	83	2268145	9.40	ppbv	98
30) Cyclohexane	7.37	84	921760	10.92	ppbv	97
31) cis-1,2-Dichloroethene	5.75	61	1352072	10.51	ppbv	98
32) 1,1,1-Trichloroethane	6.74	97	1914816	9.74	ppbv	100
34) 2-Butanone	5.43	43	1990687	10.23	ppbv	100
35) Carbon Tetrachloride	7.25	117	1962516	9.30	ppbv	99
36) Benzene	7.12	78	2192639	10.08	ppbv	98
37) 1,2-Dichloroethane	6.52	62	1614178	10.29	ppbv	100
38) Trichloroethene	8.08	130	932646	11.18	ppbv	98
39) 1,2-Dichloropropane	7.86	63	814436	10.16	ppbv	97
40) 1,4-Dioxane	8.07	88	349594	10.14	ppbv #	1
41) Tetrahydrofuran	6.26	42	826322	9.89	ppbv	99
42) Bromodichloromethane	8.04	83	1938385	9.89	ppbv	98
43) Methyl Methacrylate	8.25	69	833993	11.01	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0601ABS01

Manual Integrations
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 6/4/2018 3:35:46 PM

Quant Time: Jun 02 02:23:26 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)
44) 2,2,4-Trimethylpentane	8.11	57	3779699	10.15	ppbv	100
45) t-1,3-Dichloropropene	9.54	75	1196004	11.68	ppbv	99
46) cis-1,3-Dichloropropene	8.95	75	1468317	11.29	ppbv	99
47) 1,1,2-Trichloroethane	9.74	97	946127	9.56	ppbv	97
48) Dibromochloromethane	10.58	129	1599275	9.76	ppbv	99
49) Bromoform	13.33	173	1229509	9.55	ppbv	100
50) 4-Methyl-2-Pentanone	8.99	43	1960516	10.36	ppbv	100
51) 2-Hexanone	10.40	43	1836365	10.81	ppbv #	100
52) Tetrachloroethene	11.50	164	856201	9.92	ppbv	97
53) Toluene	10.07	91	2651647	10.90	ppbv	99
54) 1,2-Dibromoethane	10.89	107	1414085	9.76	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.41	131	1124041	8.83	ppbv	96
57) Chlorobenzene	12.43	112	2092394	8.69	ppbv	98
58) Ethyl Benzene	12.99	91	3657795	9.87	ppbv	100
59) m/p-Xylene	13.28	91	6079713m	18.70	ppbv	
60) o-Xylene	13.98	91	3120634	9.57	ppbv	100
61) Styrene	13.81	104	715331	11.35	ppbv	100
62) Isopropylbenzene	14.95	105	3920738	9.43	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.96	83	1963846	7.77	ppbv	99
64) n-propylbenzene	15.85	120	993496	9.57	ppbv	98
65) tert-Butylbenzene	17.03	119	3358027	9.24	ppbv	100
66) Benzyl Chloride	17.28	91	323280	8.01	ppbv	98
67) sec-Butylbenzene	17.58	105	4688572	8.89	ppbv	100
69) p-Isopropyltoluene	17.94	119	3814507	9.34	ppbv	99
70) n-Butylbenzene	18.84	91	3949580	9.39	ppbv	100
71) 2-Chlorotoluene	15.75	91	2923954	9.57	ppbv	100
72) 4-Ethyltoluene	16.13	105	3248529	10.02	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2893301	9.67	ppbv	99
74) 1,2,4-Trimethylbenzene	17.05	105	3092141	9.17	ppbv	97
75) 1,3-Dichlorobenzene	17.29	146	1918382	8.28	ppbv	99
76) 1,4-Dichlorobenzene	17.43	146	1943855	8.81	ppbv	99
77) 1,2-Dichlorobenzene	18.12	146	1857141	8.47	ppbv	100
78) Hexachloro-1,3-Butadiene	23.66	225	843361	9.70	ppbv	99
79) Naphthalene	22.56	128	2957338	15.48	ppbv	96
80) Naphthalene, 2-methyl-	25.21	142	1188342	25.23	ppbv	99
81) 1,2,4-Trichlorobenzene	22.29	180	1518617	13.55	ppbv	99

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

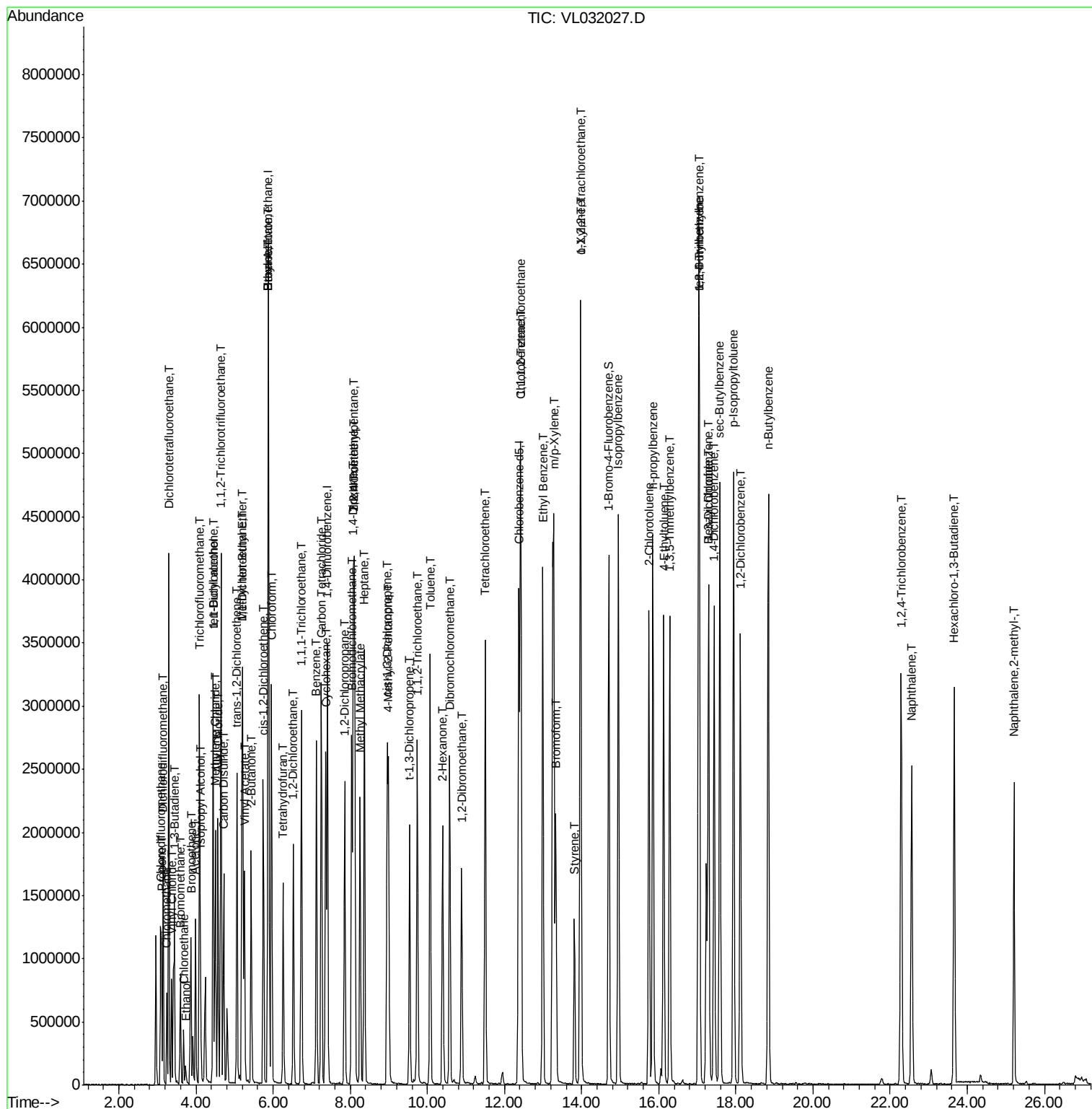
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Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\  
Data File : VL032027.D  
Acq On    : 1 Jun 2018 18:57  
Operator  : SY/AP  
Sample    : VL0601ABS01  
Misc      : 400ml/MSVOA L  
ALS Vial  : 1 Sample Multiplier: 1
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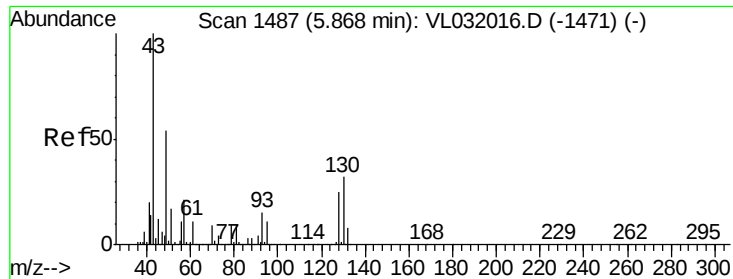
Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Manual Integrations APPROVED

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Quant Time: Jun 02 02:23:26 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration





#1

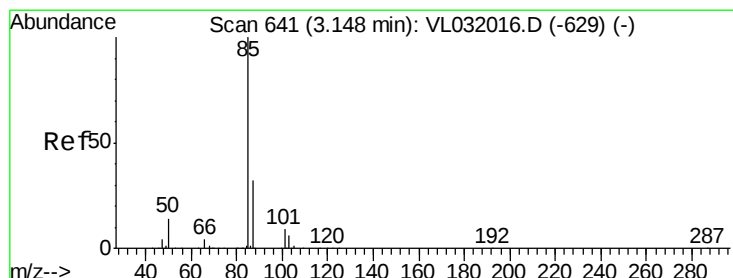
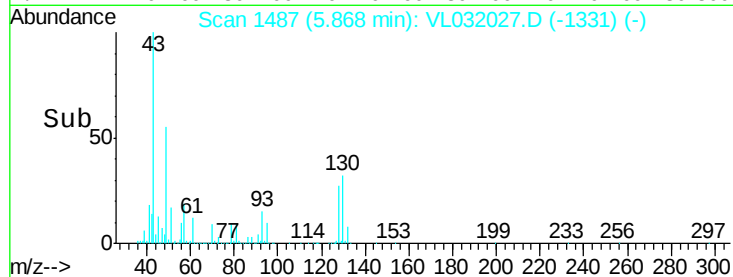
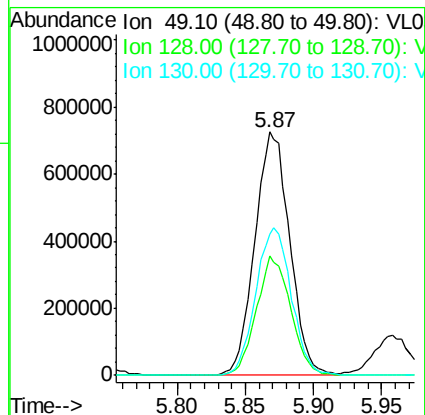
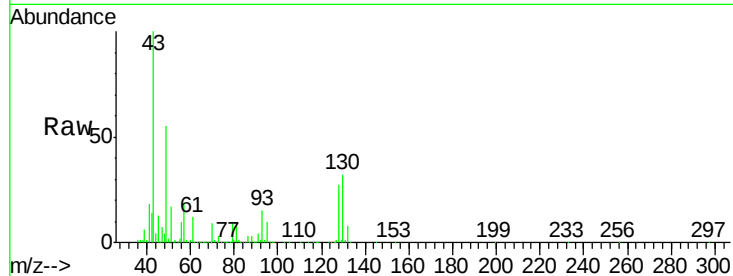
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.87 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.1	72.3
130	61.9	30.9	92.8

Manual Integrations
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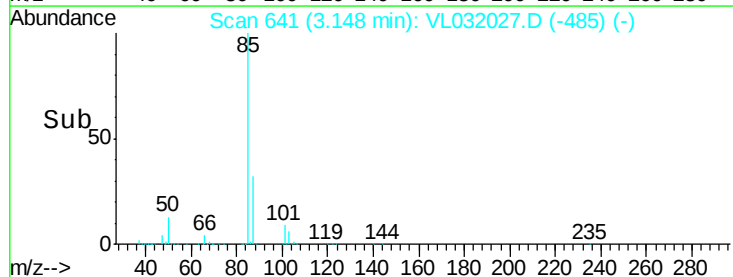
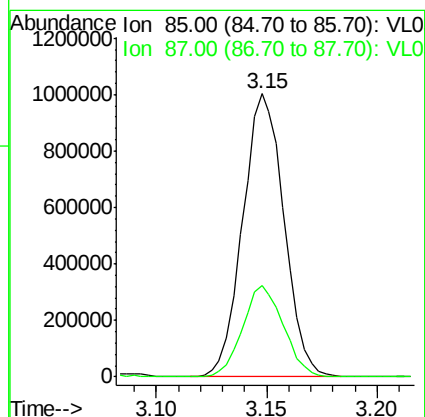
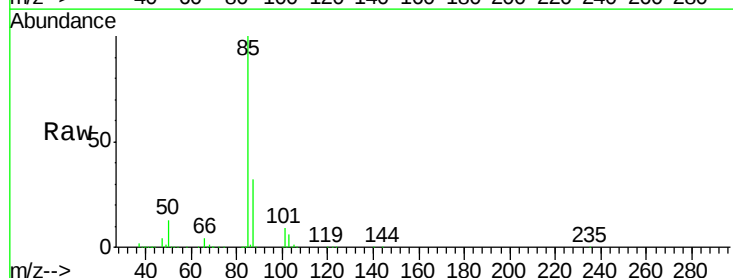
MMDadoda
 6/4/2018 3:35:46 PM

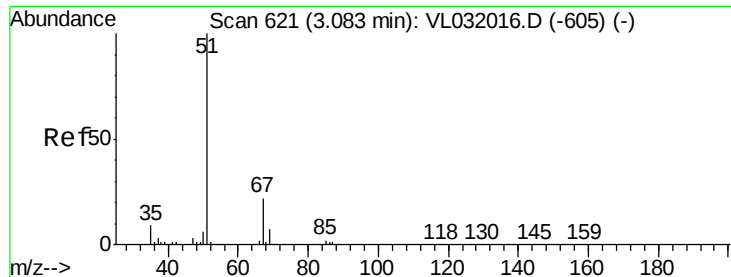


#2

Dichlorodifluoromethane
 Concen: 8.42 ppbv
 RT: 3.15 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.5	38.3





#3

Chlorodifluoromethane

Concen: 9.35 ppbv

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tot Ion: 51 Resp: 1132562

Ion Ratio Lower Upper

51 100

67 22.1 17.2 25.8

Instrument :

MSVOA_L

ClientSampleId :

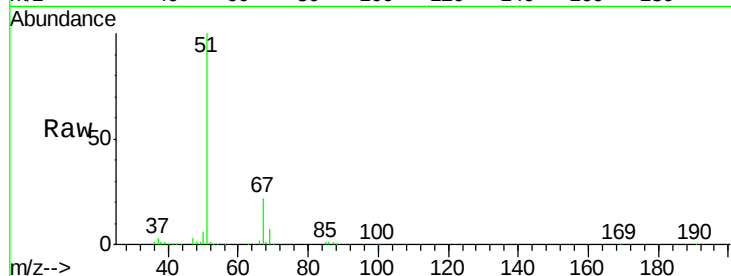
VL0601ABS01

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.08

800000

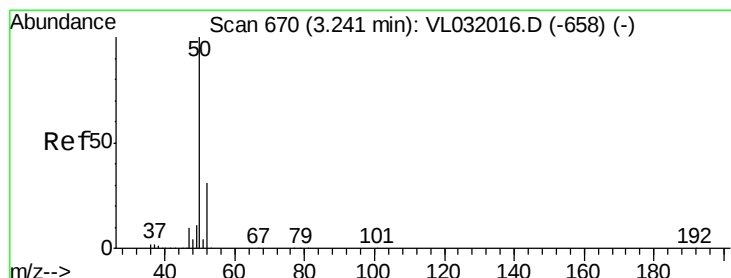
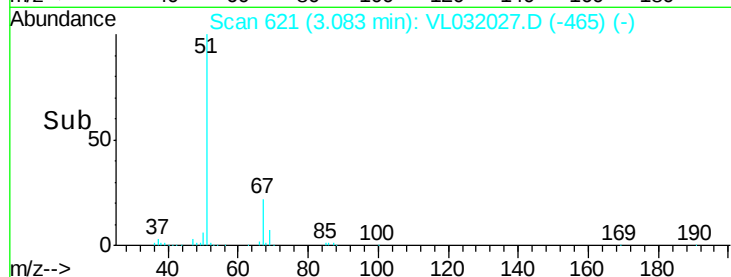
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.88 ppbv

RT: 3.24 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL032027.D

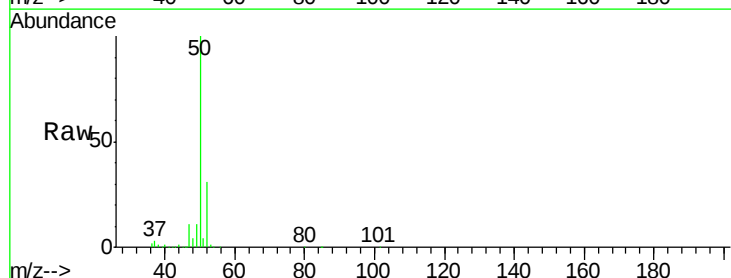
Acq: 1 Jun 2018 18:57

Tgt Ion: 50 Resp: 607070

Ion Ratio Lower Upper

50 100

52 31.4 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.24

500000

400000

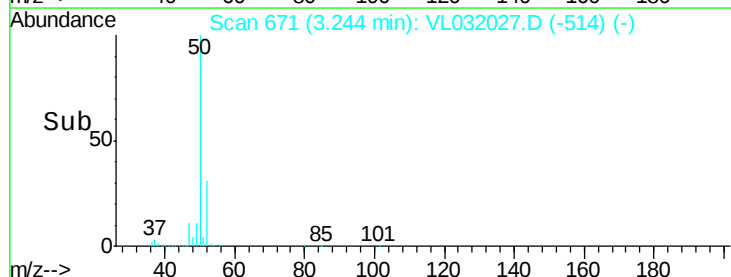
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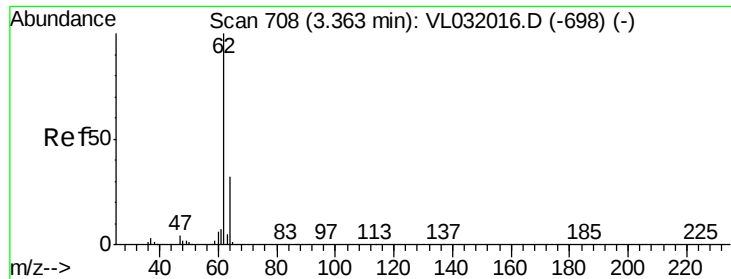
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100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.38 ppbv

RT: 3.37 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 62 Resp: 639987

Ion Ratio Lower Upper

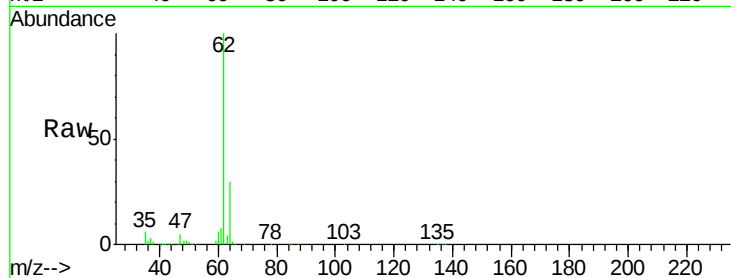
62 100

64 29.8 25.2 37.8

Manual Integrations
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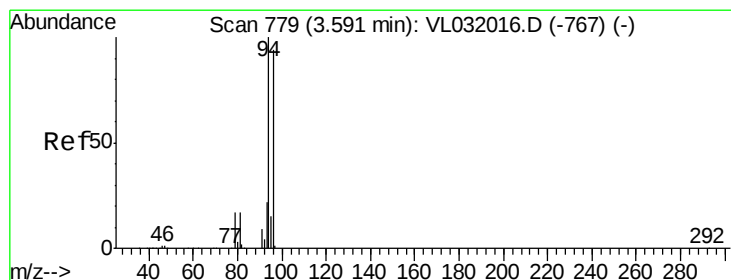
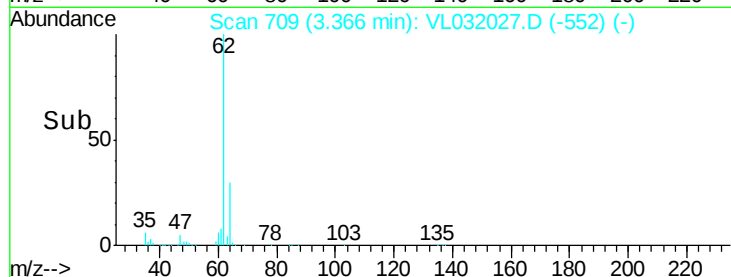
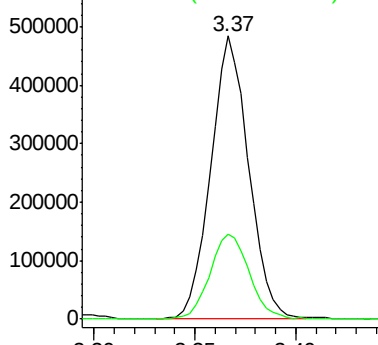
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.83 ppbv

RT: 3.59 min Scan# 780

Delta R.T. 0.00 min

Lab File: VL032027.D

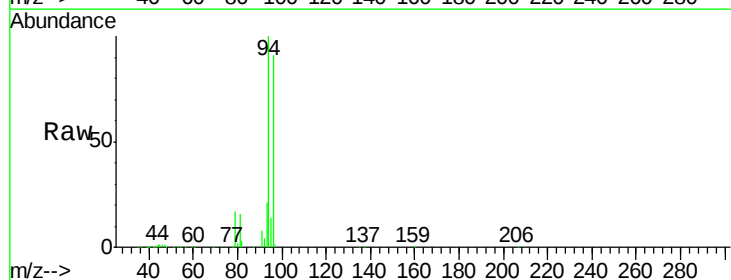
Acq: 1 Jun 2018 18:57

Tgt Ion: 94 Resp: 461068

Ion Ratio Lower Upper

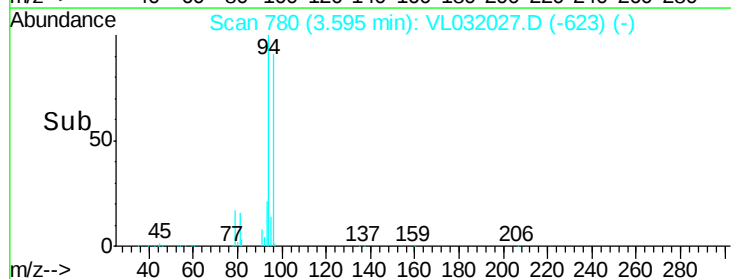
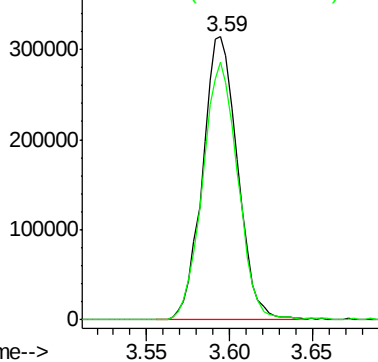
94 100

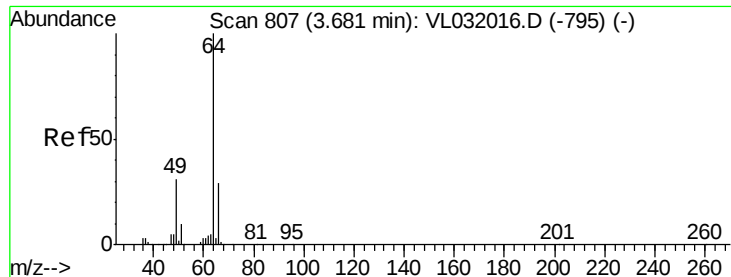
96 91.0 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.31 ppbv

RT: 3.68 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 64 Resp: 270645

Ion Ratio Lower Upper

64 100

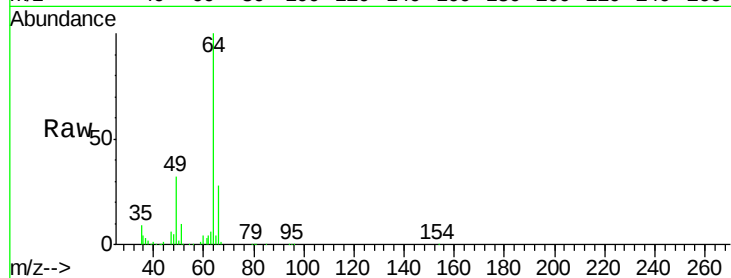
66 27.7 23.4 35.2

Manual Integrations

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6/4/2018 3:35:46 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.68

200000

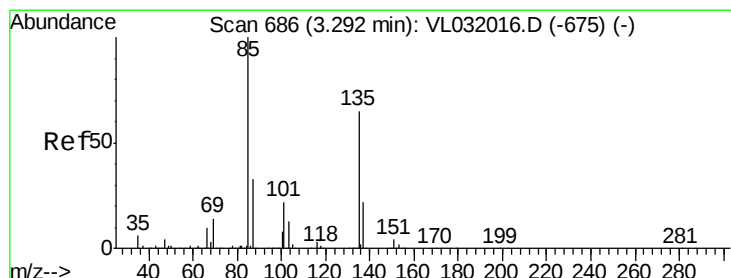
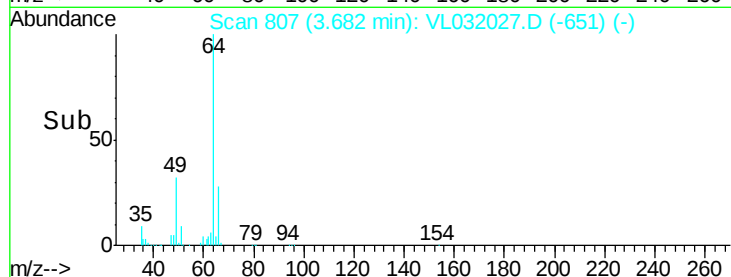
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50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.61 ppbv

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL032027.D

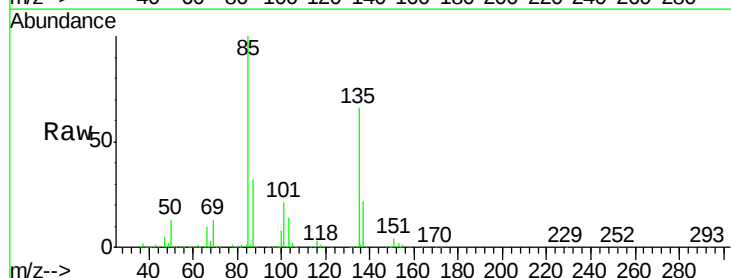
Acq: 1 Jun 2018 18:57

Tgt Ion: 85 Resp: 1622762

Ion Ratio Lower Upper

85 100

135 65.3 52.6 79.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.30

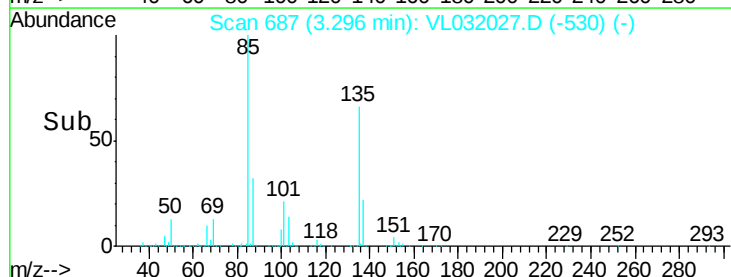
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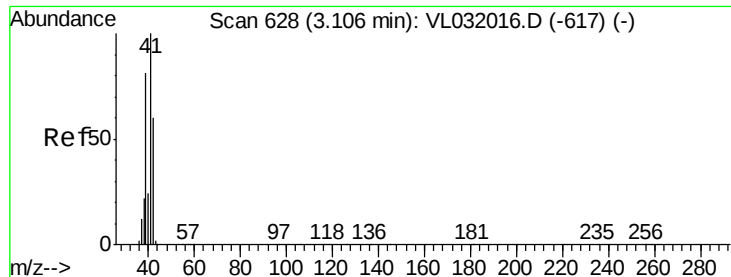
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500000

0

Time-->





#9

Propene

Concen: 10.56 ppbv

RT: 3.11 min Scan# 629

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 41 Resp: 417909

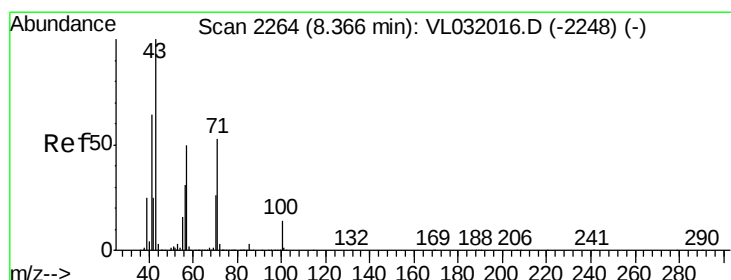
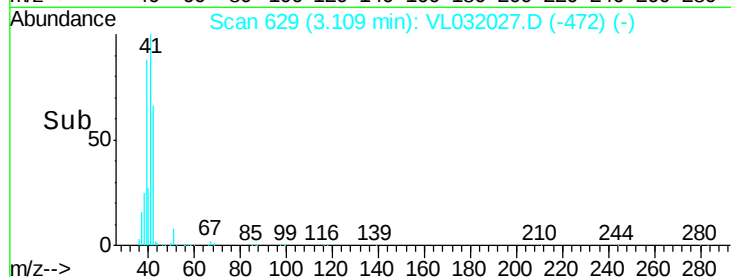
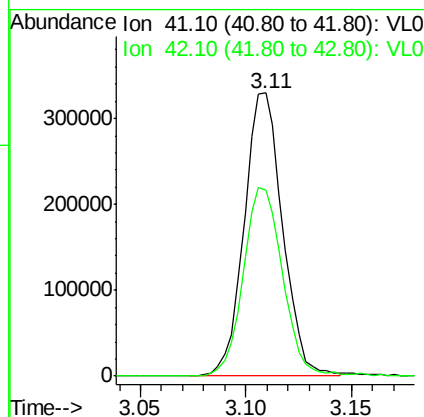
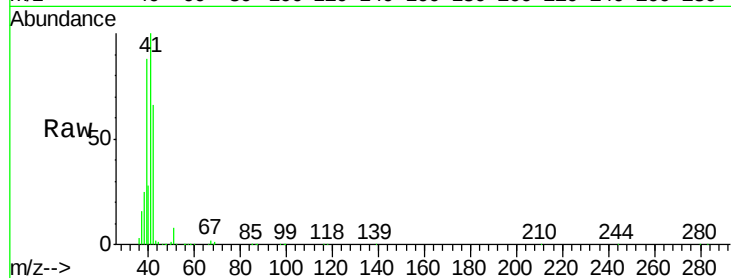
Ion Ratio Lower Upper

41 100

42 68.6 54.4 81.6

Manual Integrations
APPROVED

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6/4/2018 3:35:46 PM



#10

Heptane

Concen: 10.58 ppbv

RT: 8.37 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VL032027.D

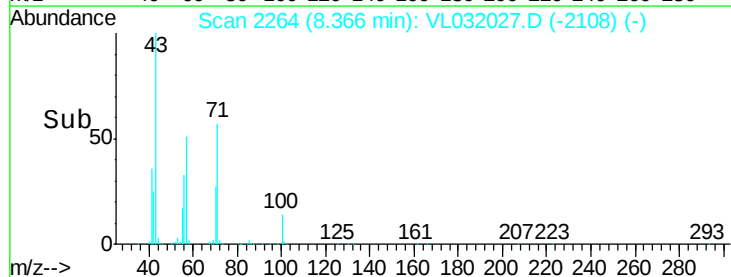
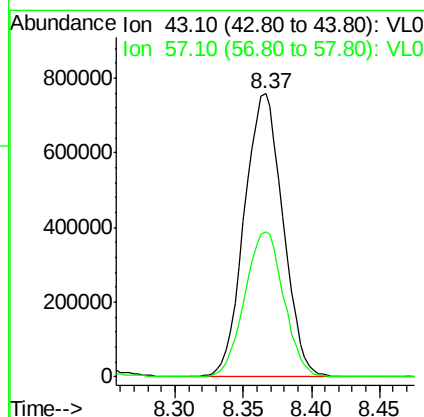
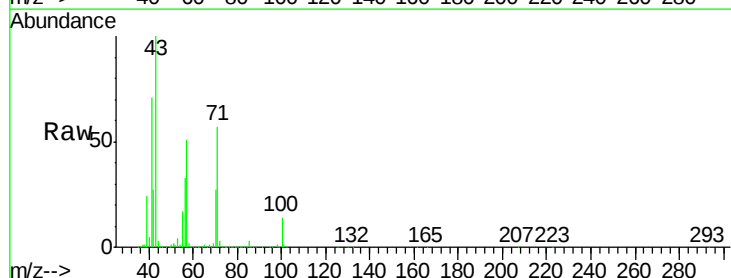
Acq: 1 Jun 2018 18:57

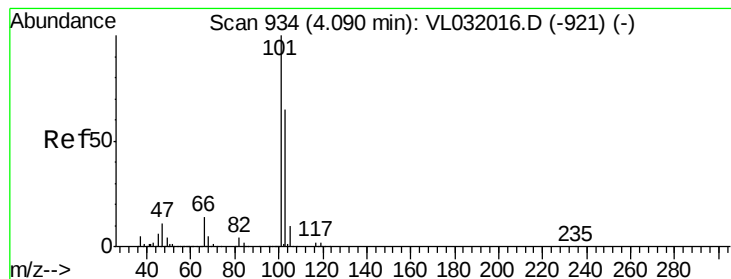
Tgt Ion: 43 Resp: 1485526

Ion Ratio Lower Upper

43 100

57 52.0 41.7 62.5





#11

Trichlorofluoromethane

Concen: 8.20 ppbv

RT: 4.09 min Scan# 935

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:101 Resp: 1956012

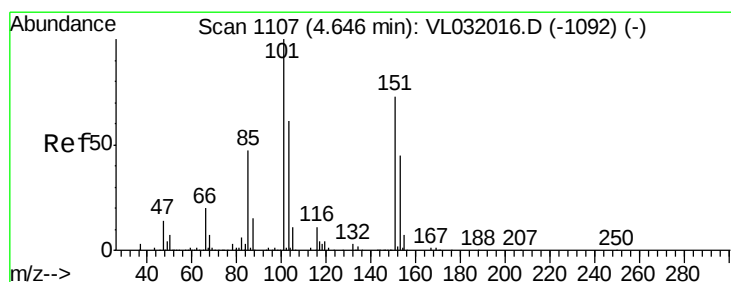
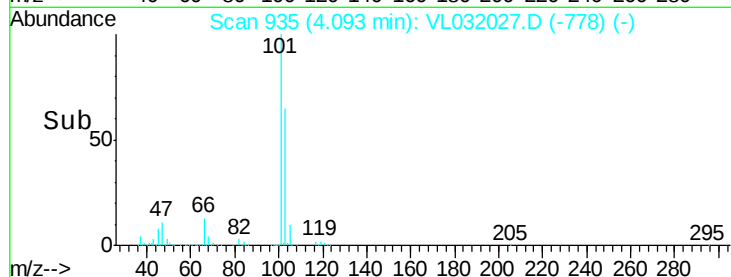
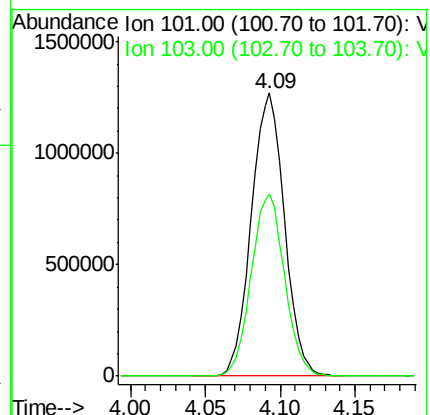
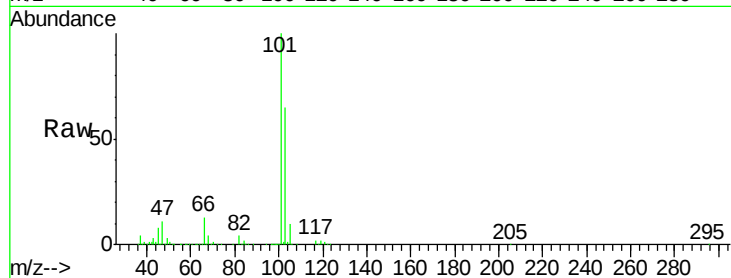
Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.42 ppbv

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VL032027.D

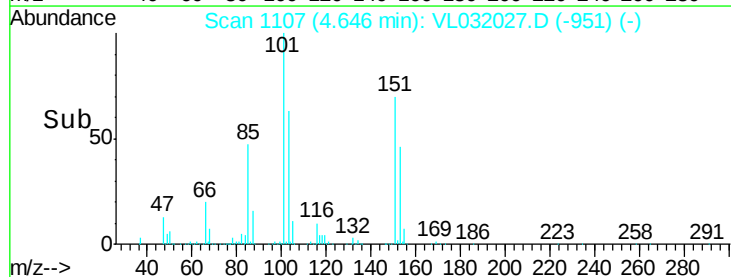
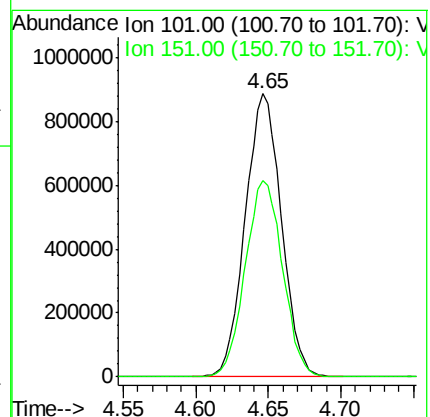
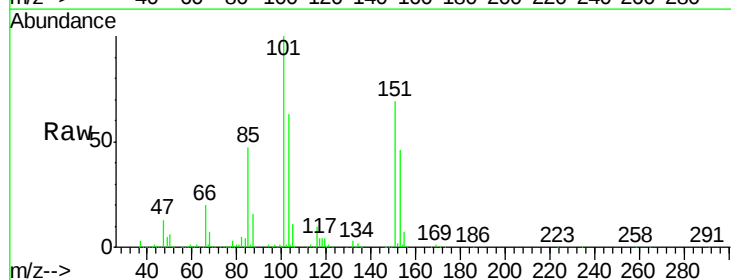
Acq: 1 Jun 2018 18:57

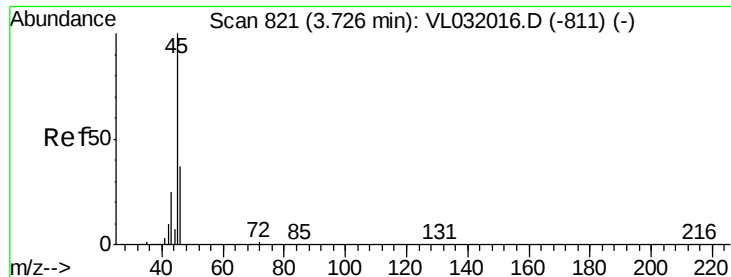
Tgt Ion:101 Resp: 1540587

Ion Ratio Lower Upper

101 100

151 71.6 58.2 87.4





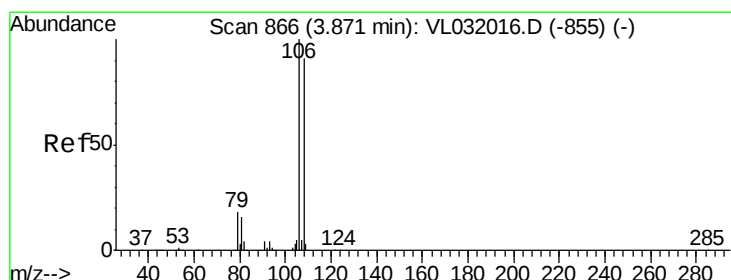
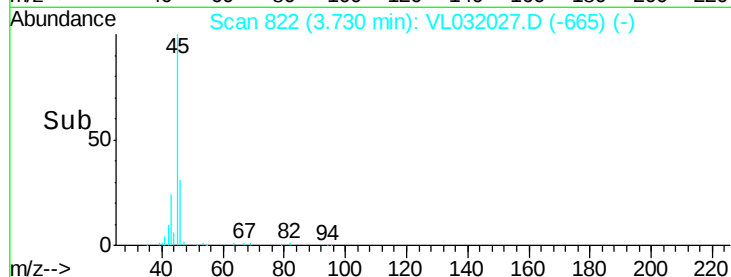
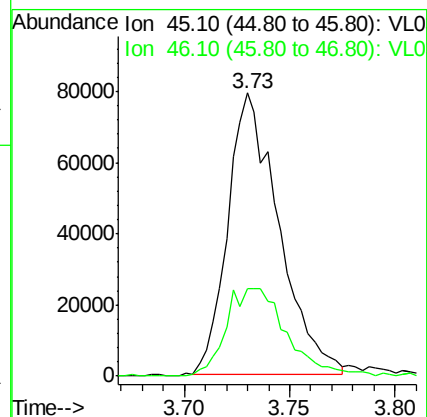
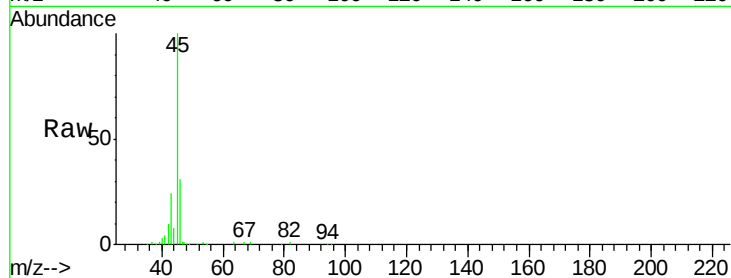
#13
Ethanol
Concen: 8.53 ppbv
RT: 3.73 min Scan# 822
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 45 Resp: 131918
Ion Ratio Lower Upper
45 100
46 38.2 14.9 59.5

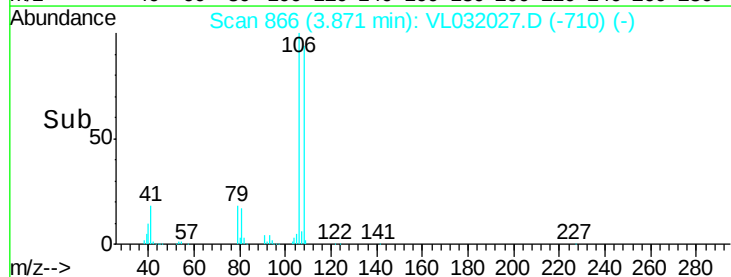
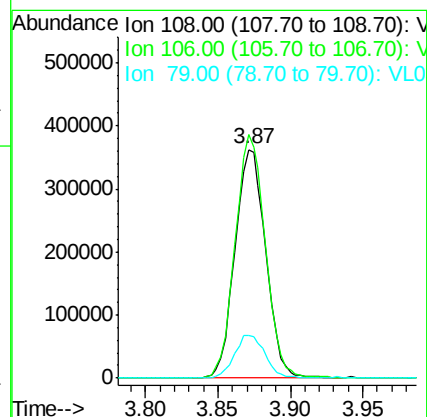
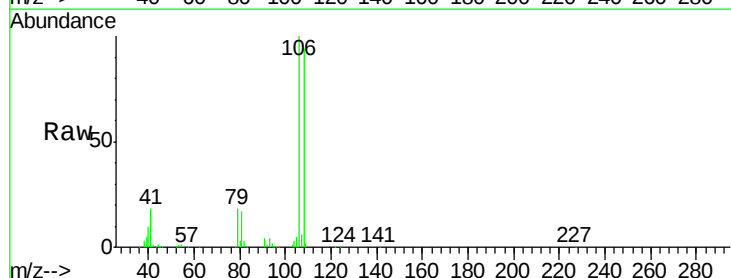
Manual Integrations
APPROVED

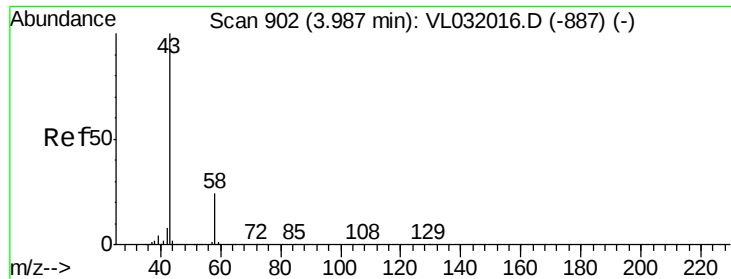
MMDadoda
6/4/2018 3:35:46 PM



#14
Bromoethene
Concen: 9.27 ppbv
RT: 3.87 min Scan# 866
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion: 108 Resp: 533070
Ion Ratio Lower Upper
108 100
106 105.1 85.1 127.7
79 18.8 15.2 22.8





#15

Acetone

Concen: 8.28 ppbv

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 43 Resp: 1286859

Ion Ratio Lower Upper

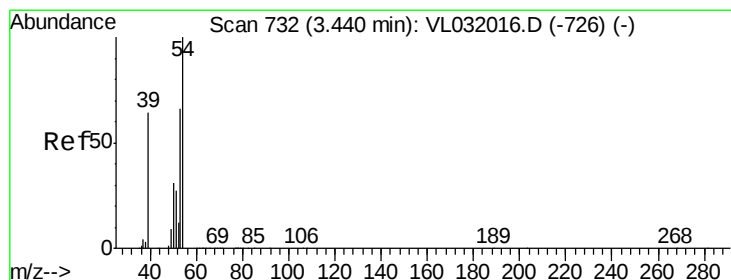
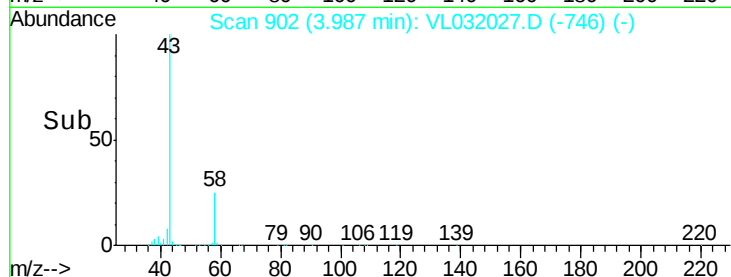
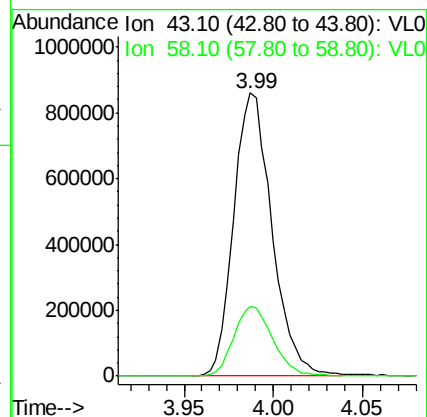
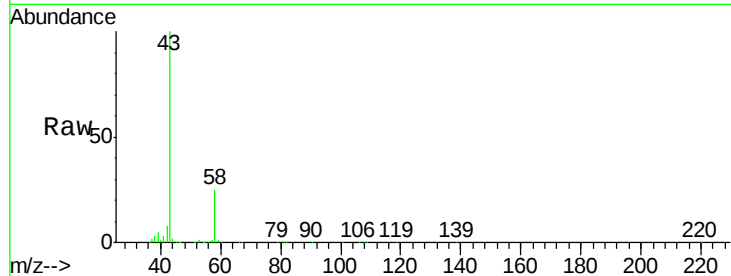
43 100

58 25.4 20.7 31.1

Manual Integrations
APPROVED

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#16

1,3-Butadiene

Concen: 9.99 ppbv

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VL032027.D

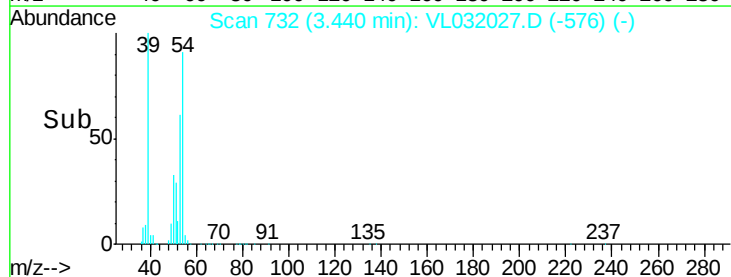
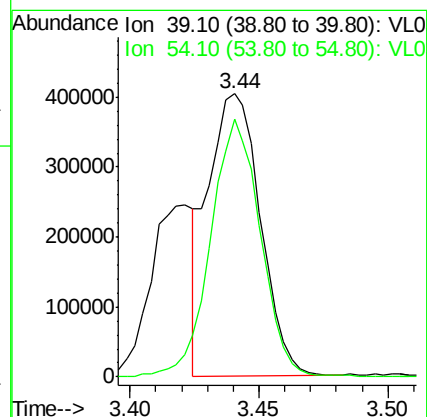
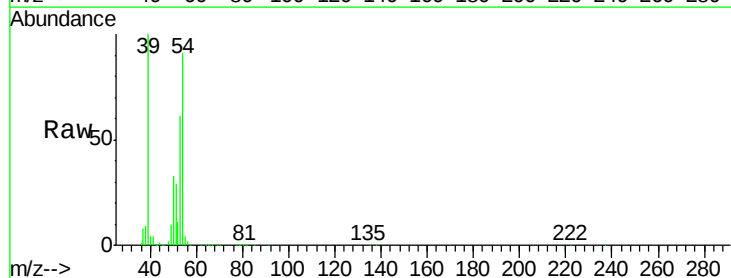
Acq: 1 Jun 2018 18:57

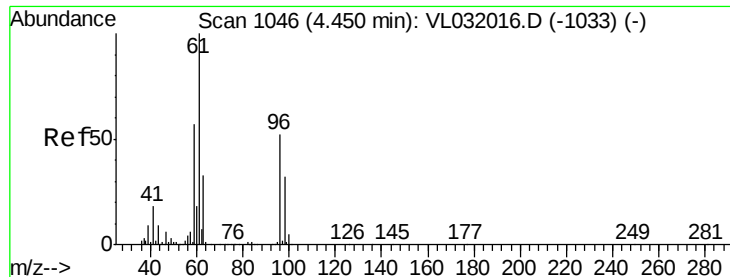
Tgt Ion: 39 Resp: 566747

Ion Ratio Lower Upper

39 100

54 87.8 65.7 98.5





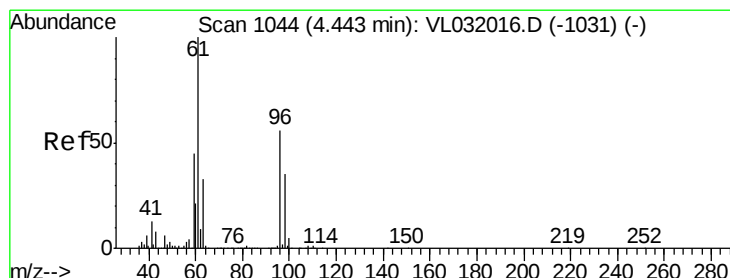
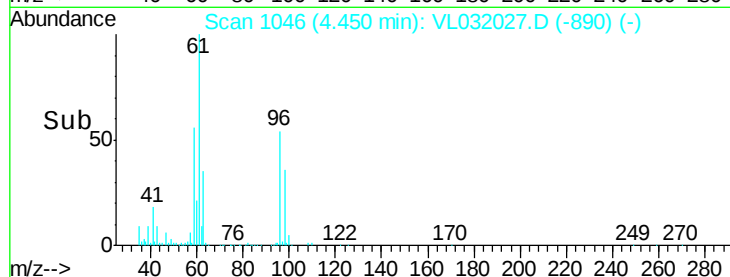
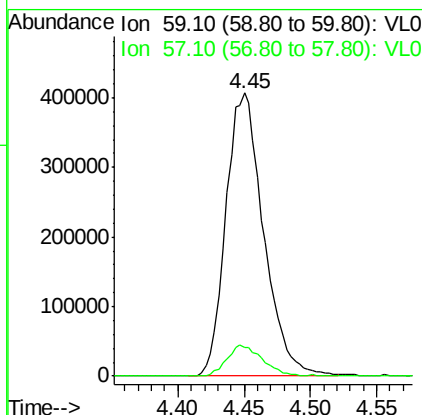
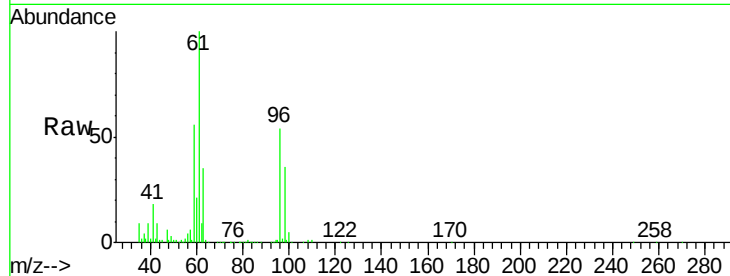
#17
tert-Butyl alcohol
Concen: 10.77 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 59 Resp: 802741
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

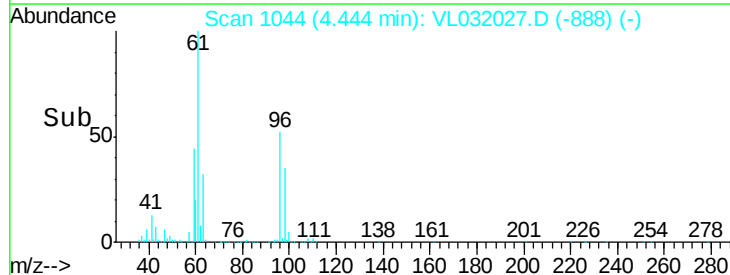
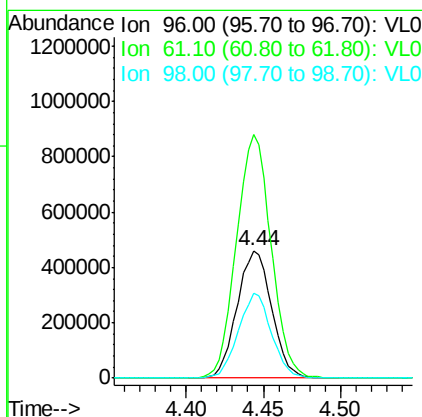
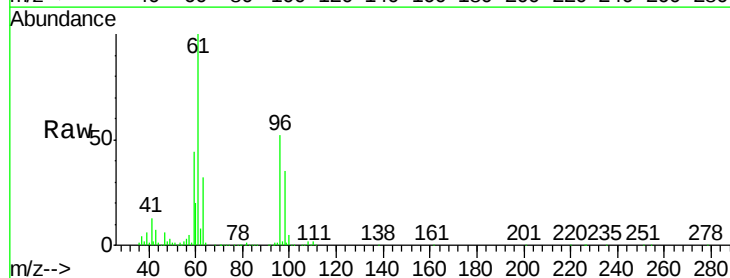
Manual Integrations
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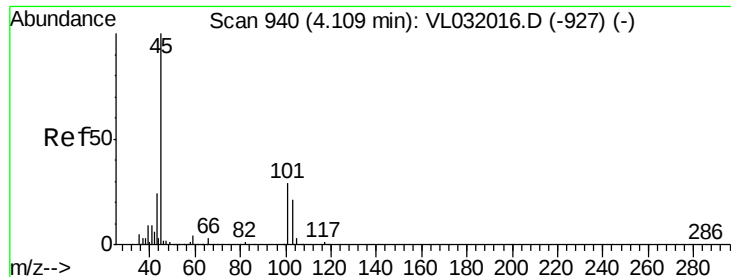
MMDadoda
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#18
1,1-Dichloroethene
Concen: 10.07 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion: 96 Resp: 715972
Ion Ratio Lower Upper
96 100
61 190.8 143.5 215.3
98 66.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.42 ppbv m

RT: 4.12 min Scan# 943

Delta R.T. 0.01 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tot Ion: 45 Resp: 968881

Ion Ratio Lower Upper

45 100

58 2.0 1.5 2.3

Instrument :

MSVOA_L

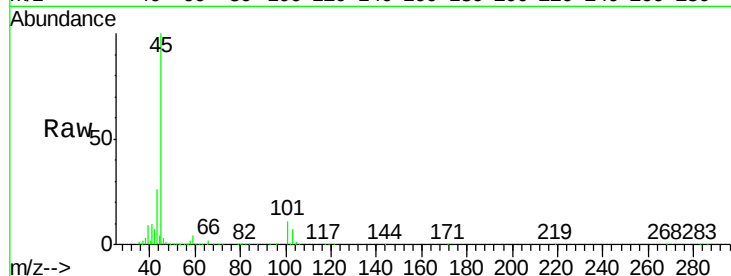
ClientSampleId :

VL0601ABS01

Manual Integrations
APPROVED

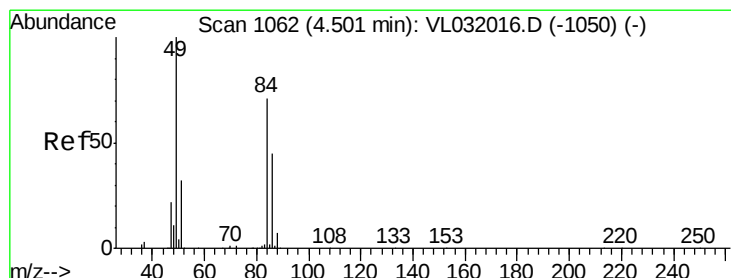
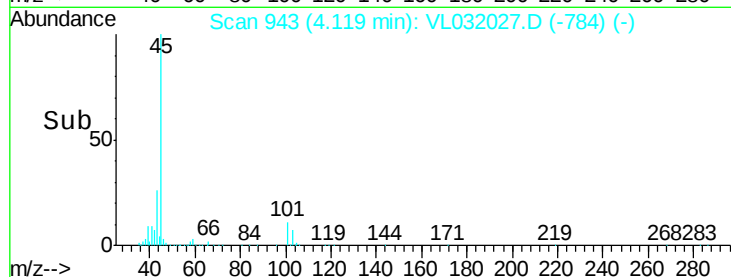
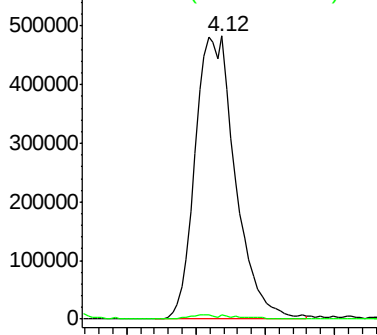
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.76 ppbv

RT: 4.50 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tgt Ion: 84 Resp: 688649

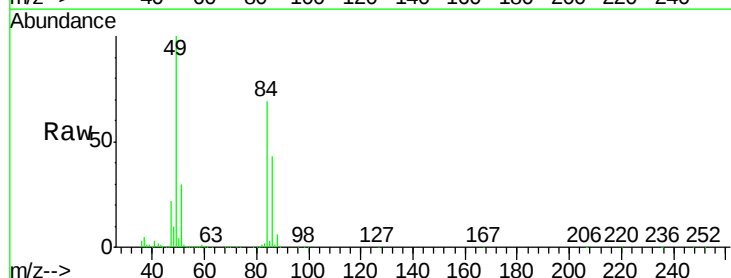
Ion Ratio Lower Upper

84 100

49 144.4 113.0 169.4

51 43.4 36.4 54.6

86 62.6 51.0 76.6

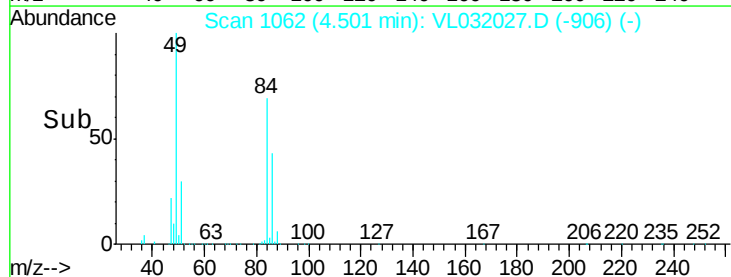
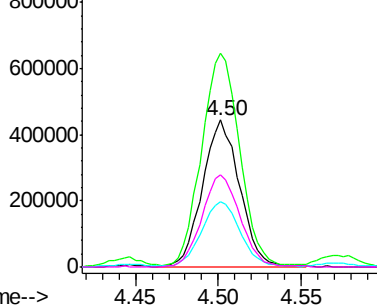


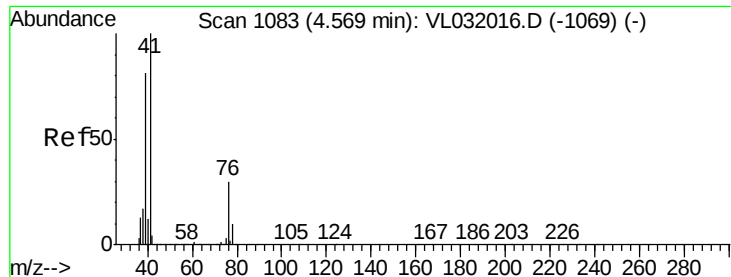
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





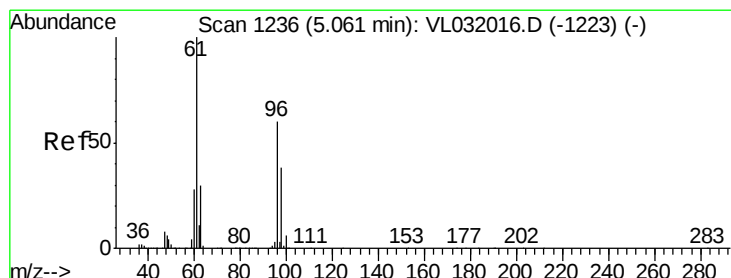
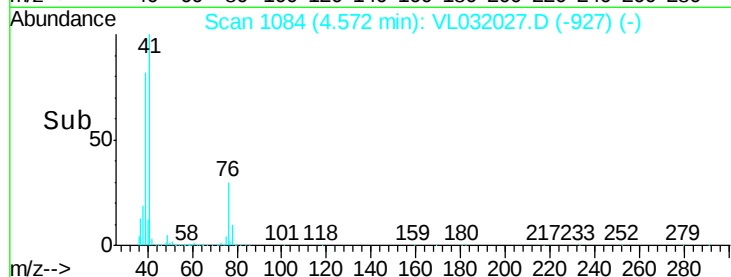
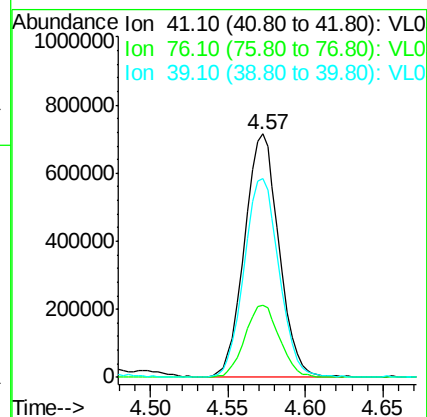
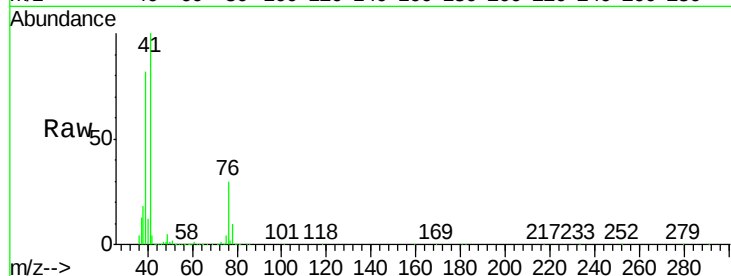
#21
Allvl Chloride
Concen: 10.03 ppbv
RT: 4.57 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.9	35.9
39	83.9	65.9	98.9

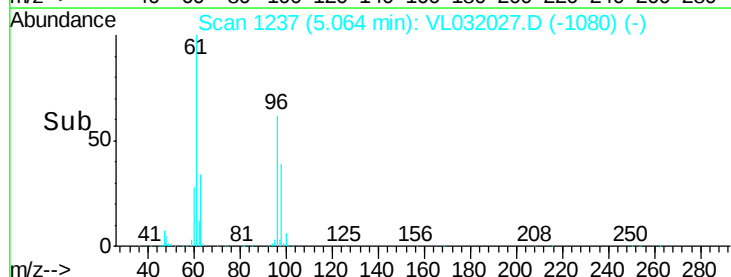
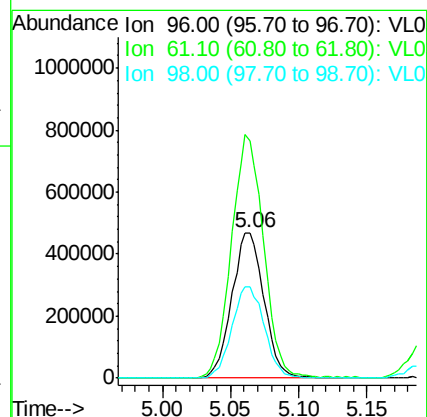
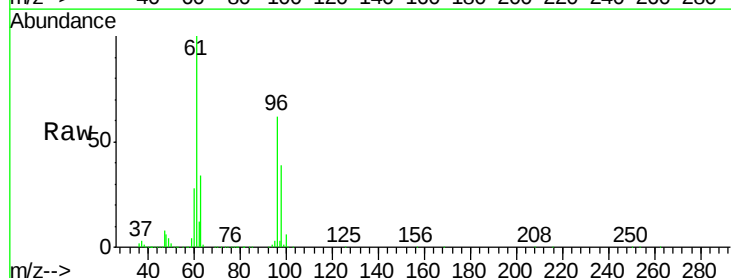
Manual Integrations
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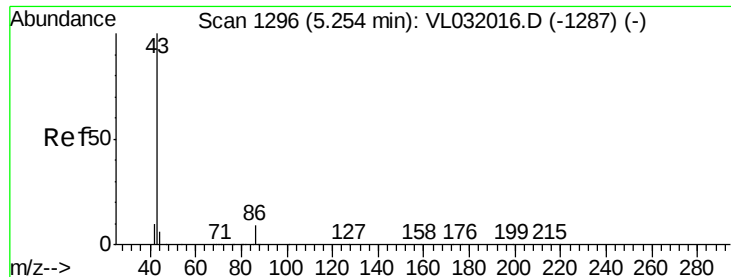
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.04 ppbv
RT: 5.06 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	133.3	199.9
98	62.5	51.0	76.4





#23

Vinyl Acetate

Concen: 10.24 ppbv

RT: 5.25 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 43 Resp: 2152588

Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.4

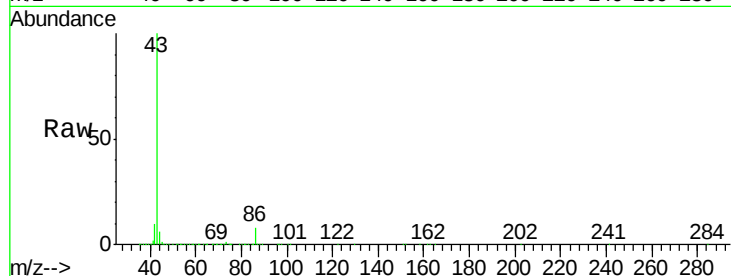
42 10.1 8.7 13.1

44 5.5 4.6 6.8

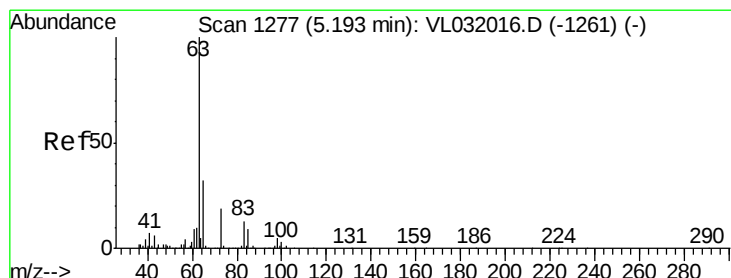
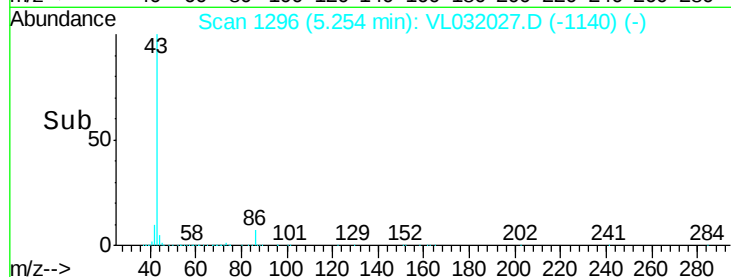
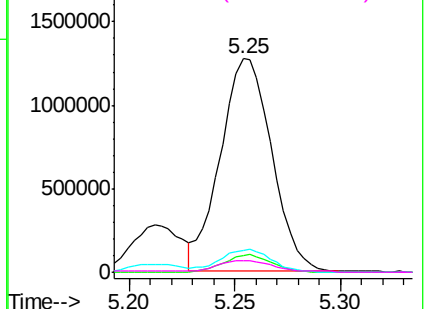
Manual Integrations
APPROVED

MMDadoda

6/4/2018 3:35:46 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0
2000000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.74 ppbv

RT: 5.19 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

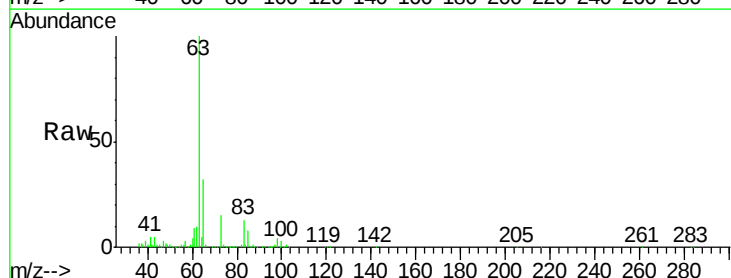
Tgt Ion: 63 Resp: 1993661

Ion Ratio Lower Upper

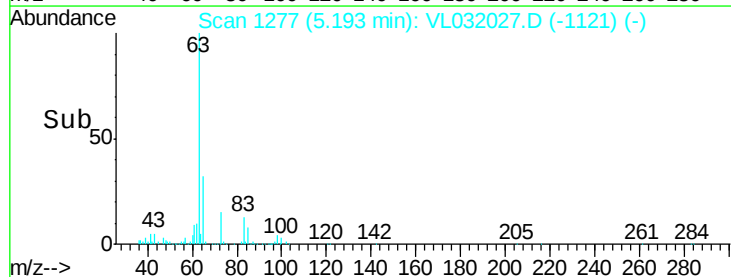
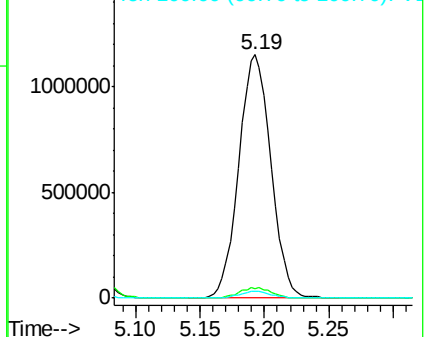
63 100

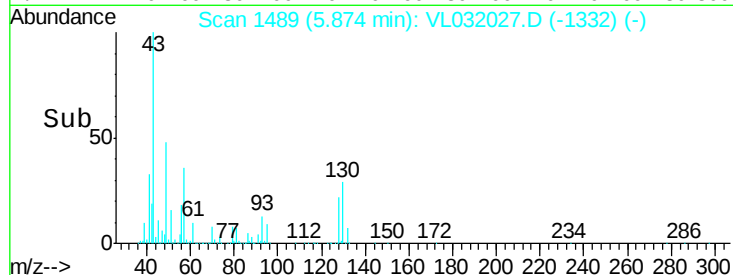
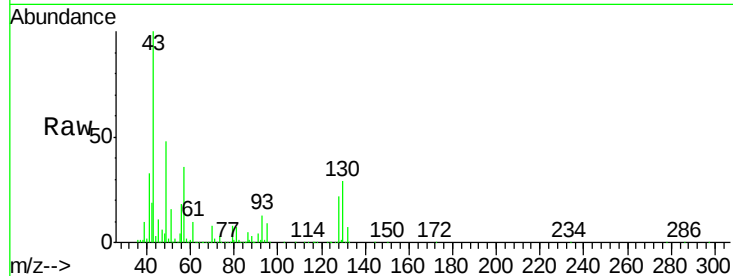
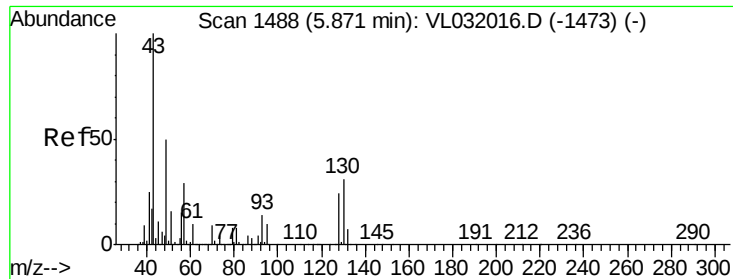
98 4.0 2.4 7.1

100 2.9 1.5 4.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
1500000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





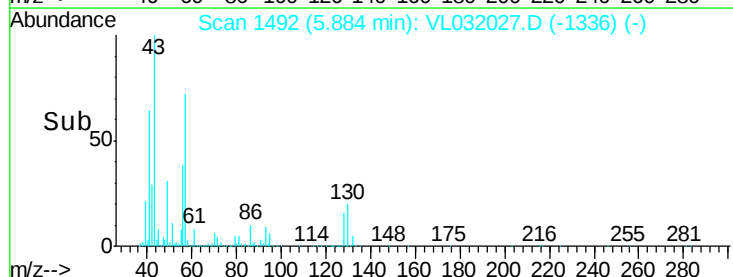
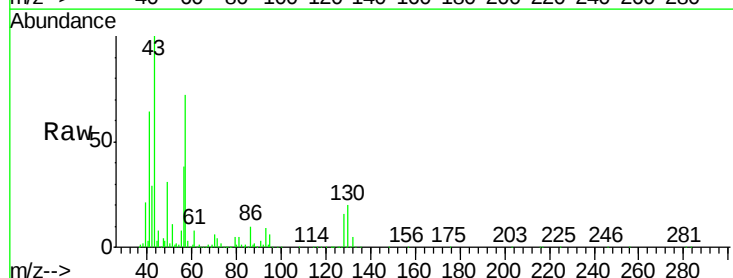
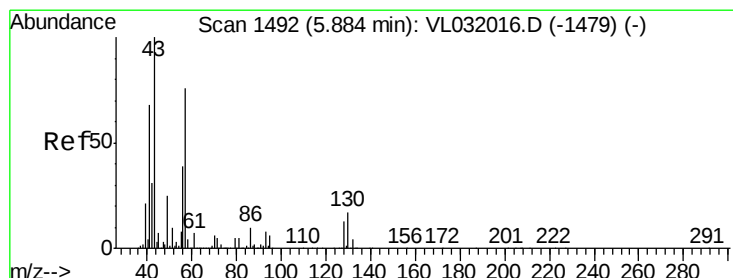
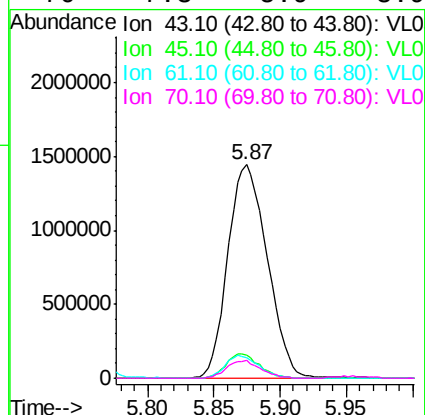
#25
Ethyl Acetate
Concen: 9.67 ppbv
RT: 5.87 min Scan# 1489
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tot Ion	43	Resp	2975873
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.2	7.4	11.2
70	7.3	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

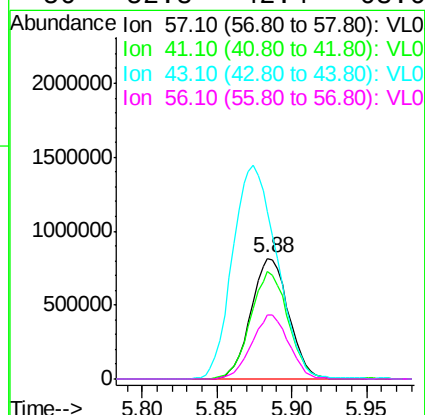
Manual Integrations
APPROVED

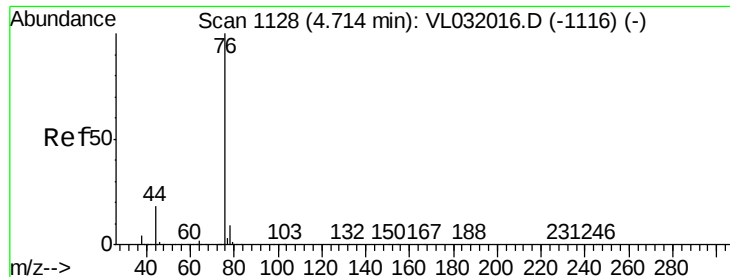
MMDadoda
6/4/2018 3:35:46 PM



#26
Hexane
Concen: 9.98 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	57	Resp	1427126
Ion	Ratio	Lower	Upper
57	100		
41	89.3	71.4	107.2
43	210.5	168.6	252.8
56	52.8	42.4	63.6





#27

Carbon Disulfide

Concen: 10.42 ppbv

RT: 4.71 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

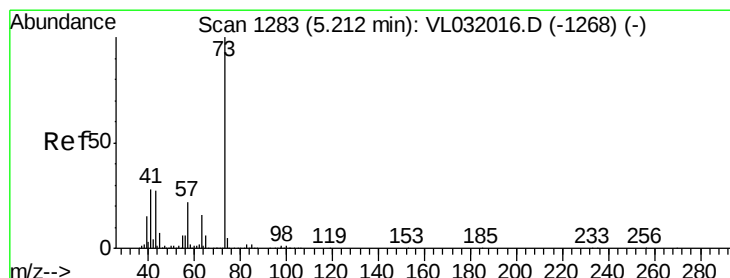
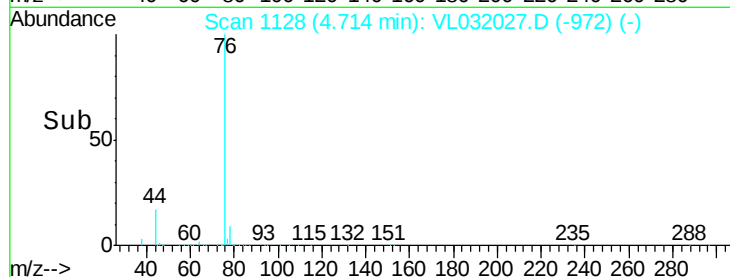
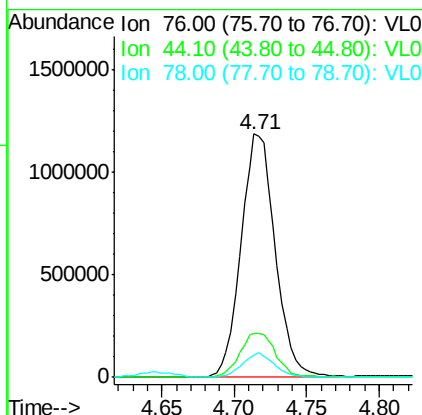
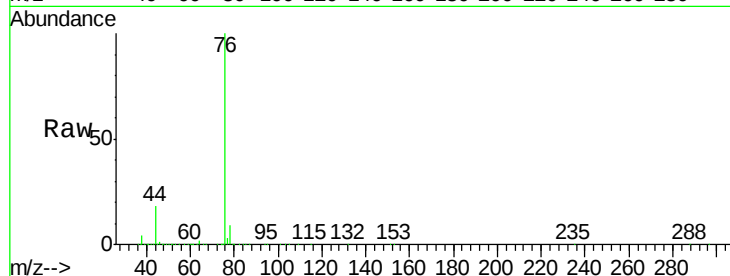
ClientSampleId :

VL0601ABS01

Tot Ion:	76	Resp:	1952192
Ion	Ratio	Lower	Upper
76	100		
44	18.9	14.9	22.3
78	9.3	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.75 ppbv

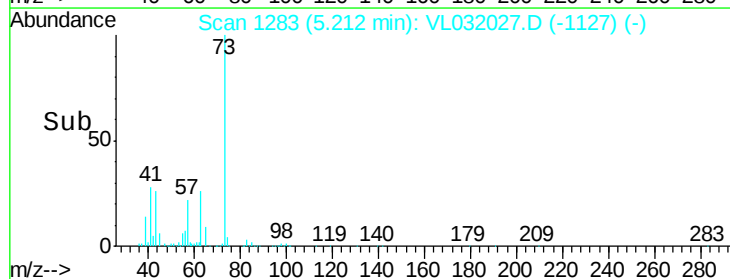
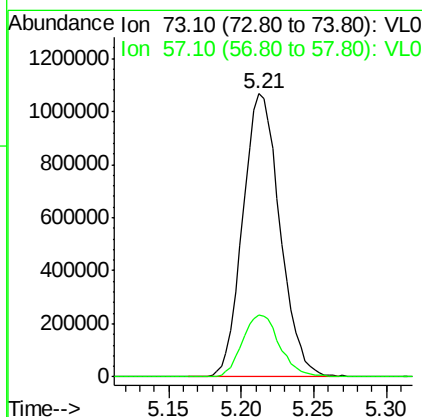
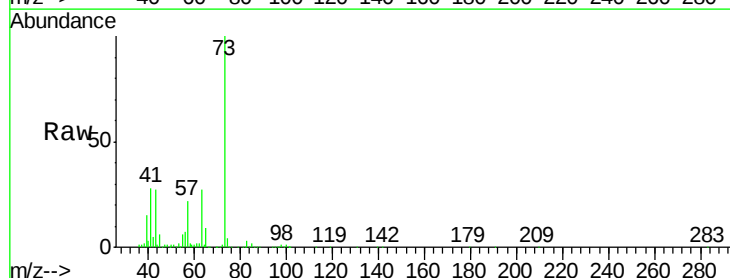
RT: 5.21 min Scan# 1283

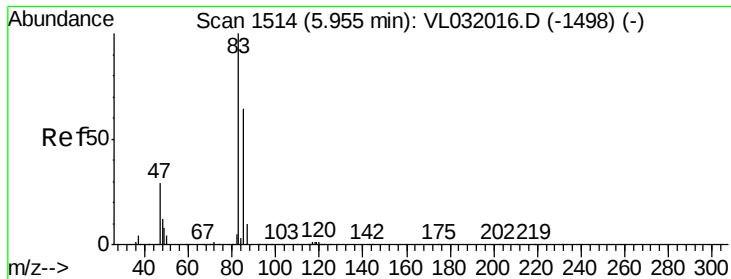
Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tgt Ion:	73	Resp:	1901651
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8





#29

Chloroform

Concen: 9.40 ppbv

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 83 Resp: 2268145

Ion Ratio Lower Upper

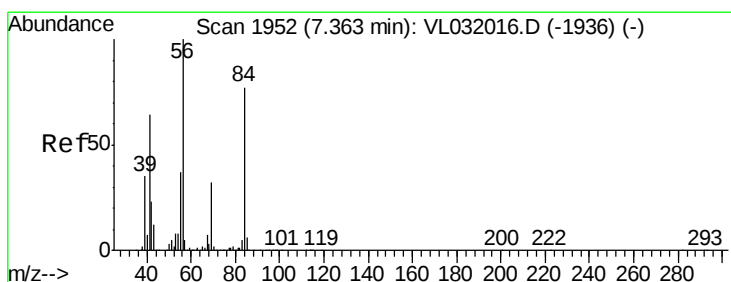
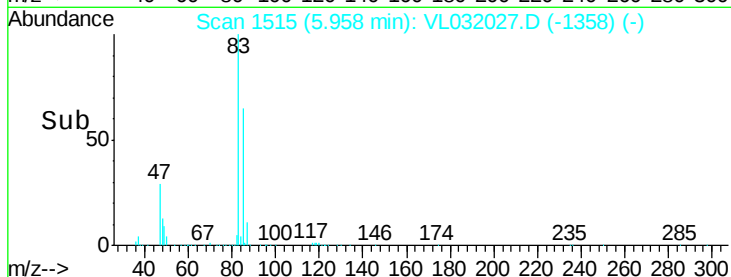
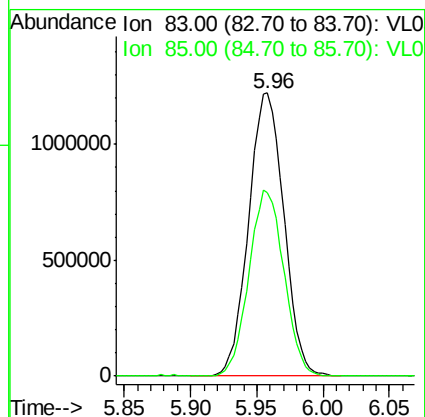
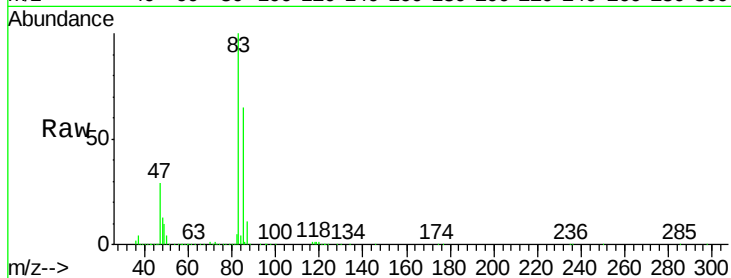
83 100

85 64.9 50.9 76.3

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#30

Cyclohexane

Concen: 10.92 ppbv

RT: 7.37 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

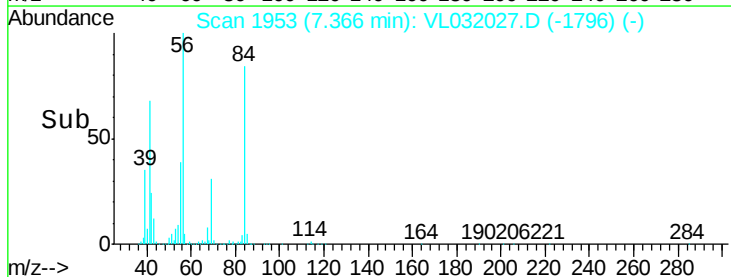
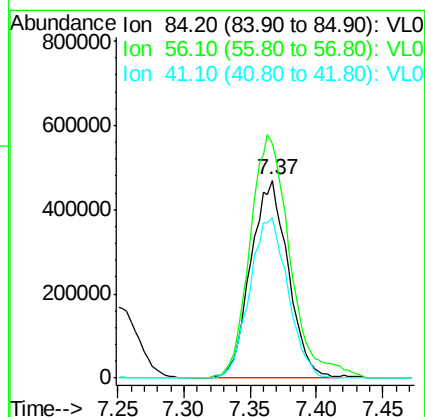
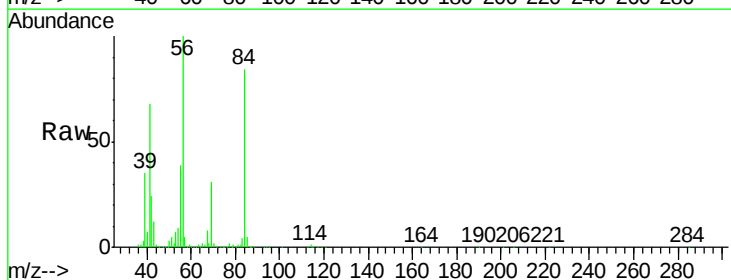
Tgt Ion: 84 Resp: 921760

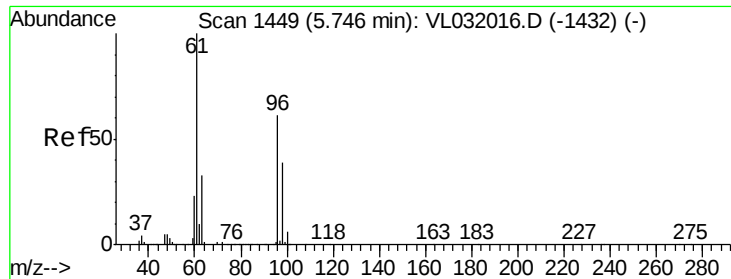
Ion Ratio Lower Upper

84 100

56 131.4 108.6 162.8

41 82.6 66.8 100.2





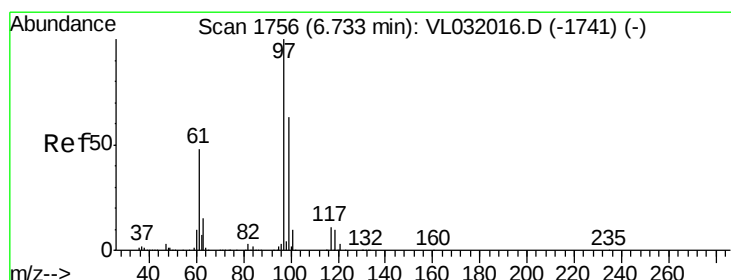
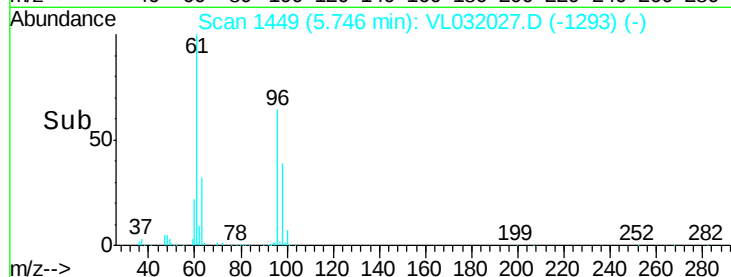
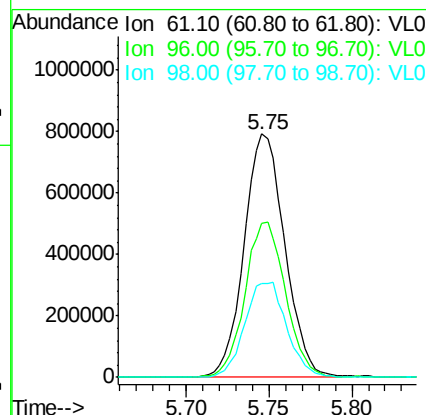
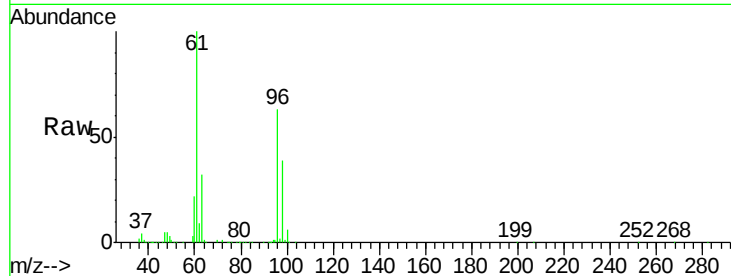
#31
 cis-1,2-Dichloroethene
 Concen: 10.51 ppbv
 RT: 5.75 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.0	73.6
98	38.6	31.2	46.8

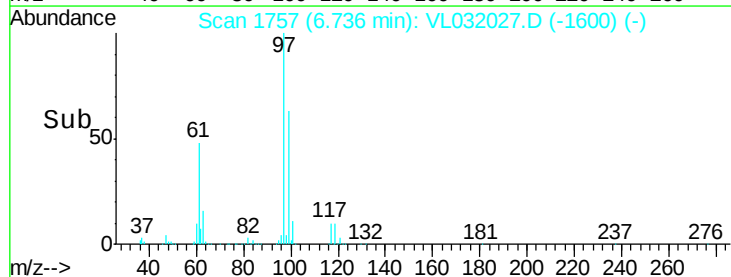
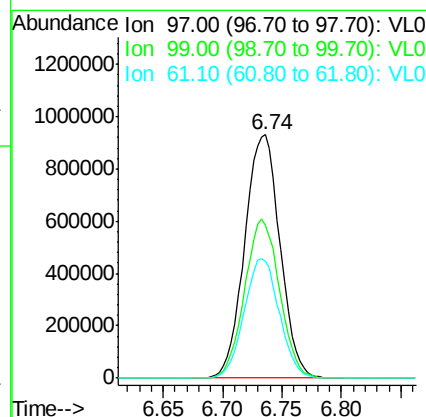
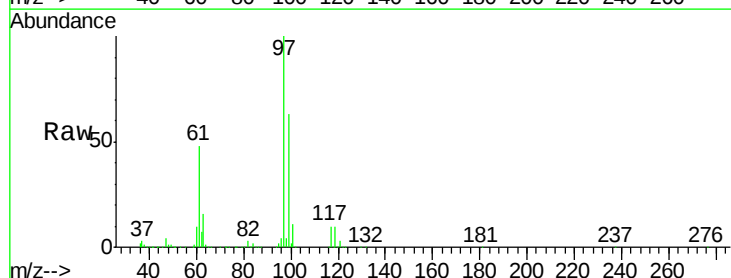
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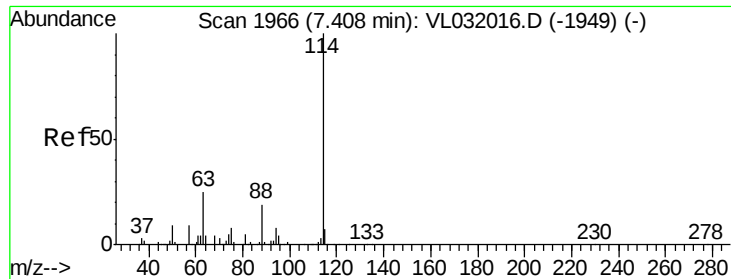
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.74 ppbv
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	48.8	39.4	59.2





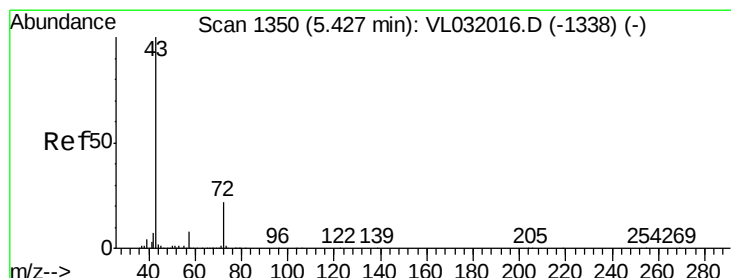
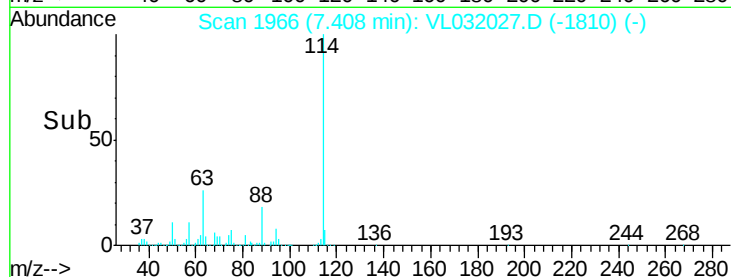
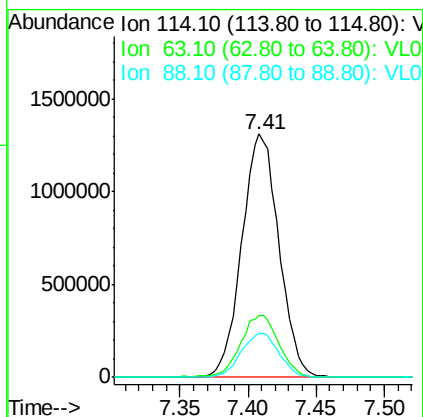
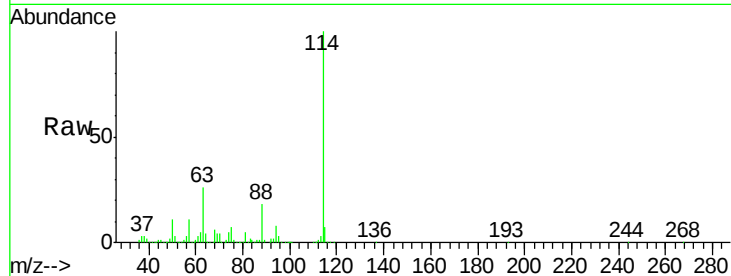
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion:114 Resp: 2474894
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.1 31.7
 88 18.5 14.8 22.2

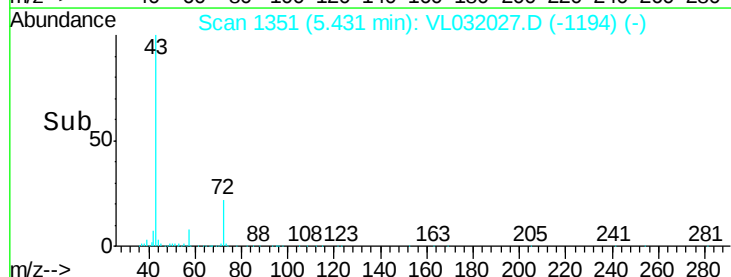
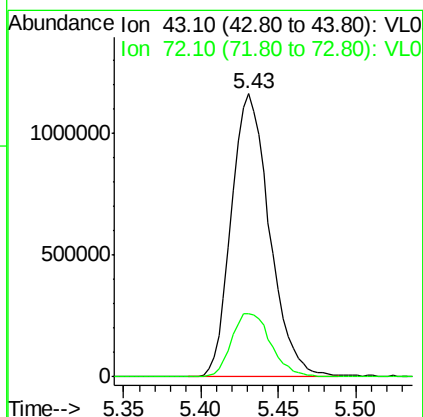
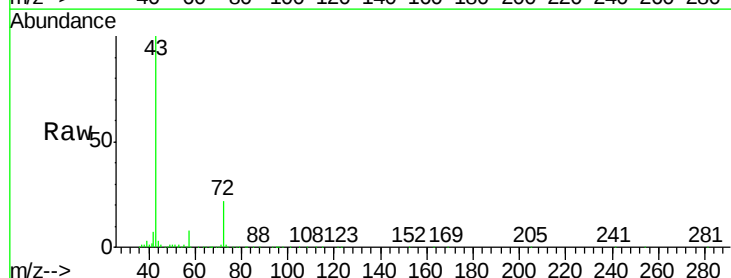
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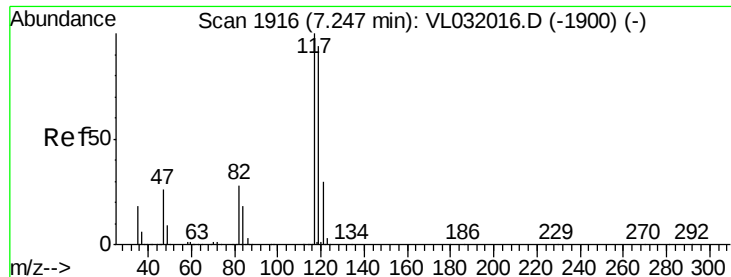
MMDadoda
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#34
 2-Butanone
 Concen: 10.23 ppbv
 RT: 5.43 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion: 43 Resp: 1990687
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.30 ppbv

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:117 Resp: 1962516

Ion Ratio Lower Upper

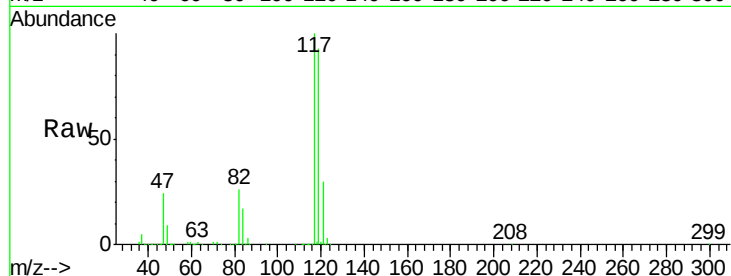
117 100

119 93.3 75.3 112.9

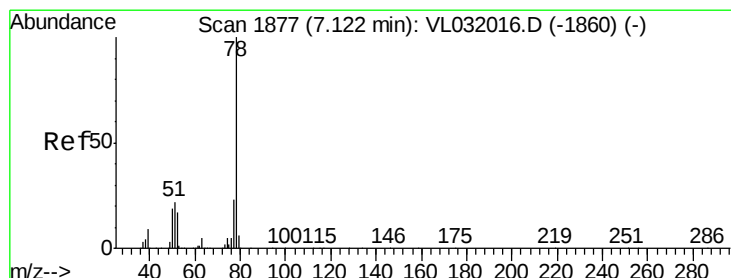
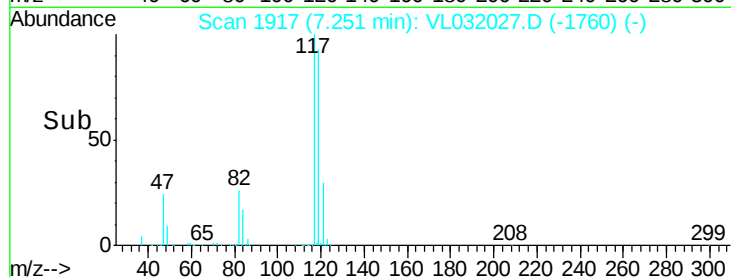
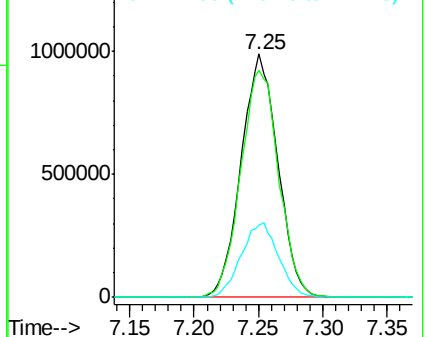
121 29.8 24.1 36.1

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.08 ppbv

RT: 7.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

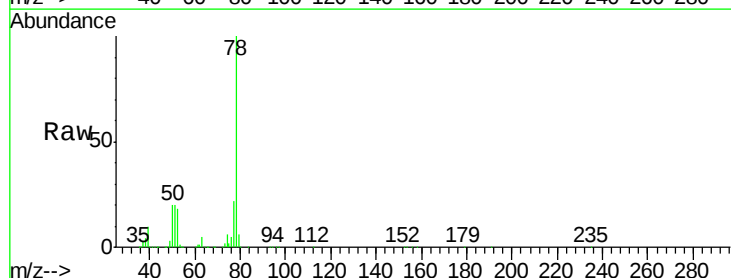
Tgt Ion: 78 Resp: 2192639

Ion Ratio Lower Upper

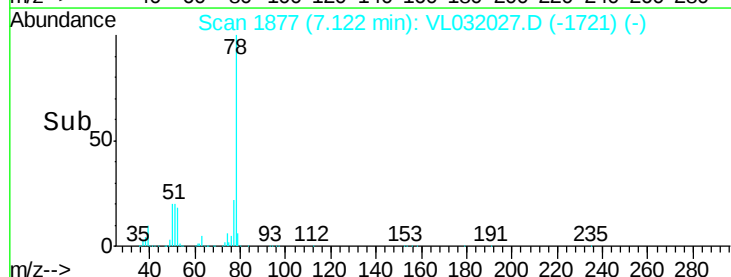
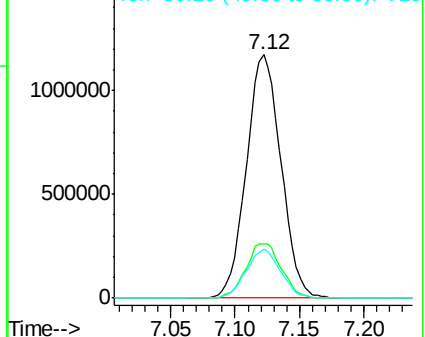
78 100

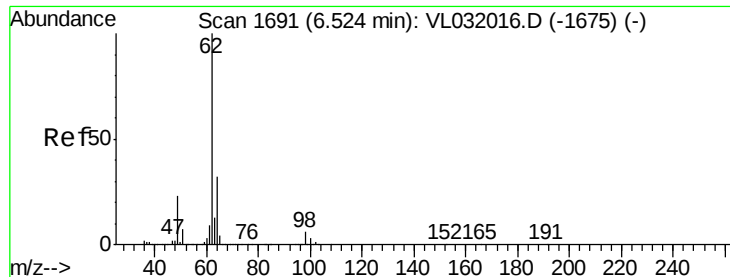
77 22.3 18.1 27.1

50 20.0 14.9 22.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.29 ppbv

RT: 6.52 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 62 Resp: 1614178

Ion Ratio Lower Upper

62 100

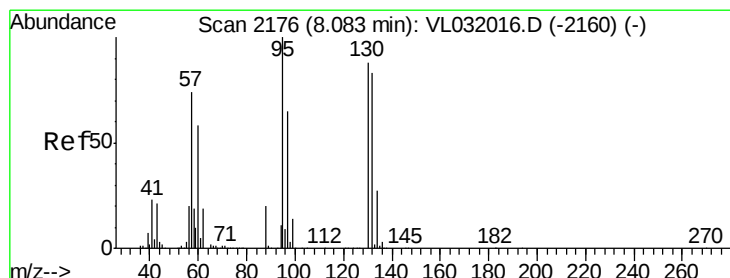
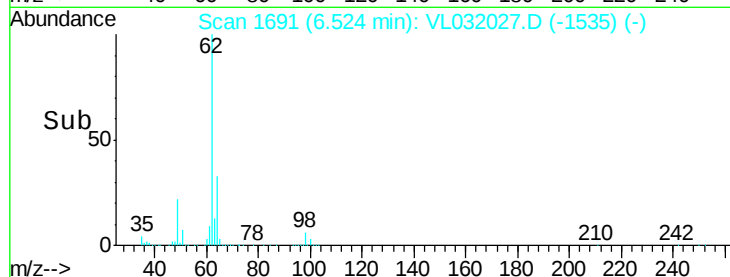
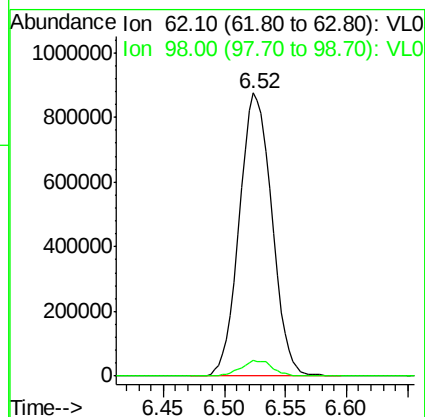
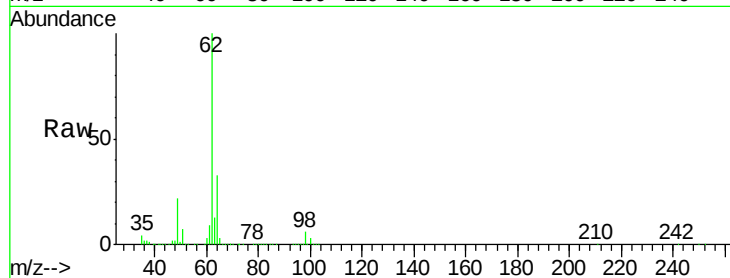
98 5.4 4.2 6.4

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#38

Trichloroethene

Concen: 11.18 ppbv

RT: 8.08 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tgt Ion:130 Resp: 932646

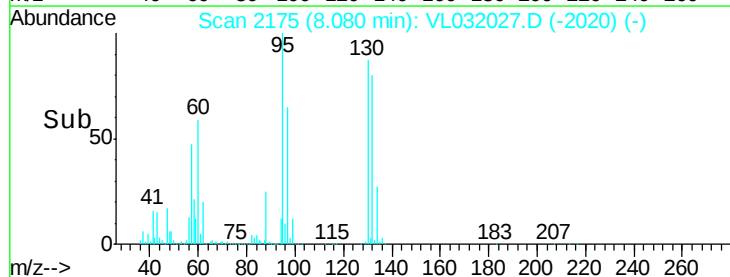
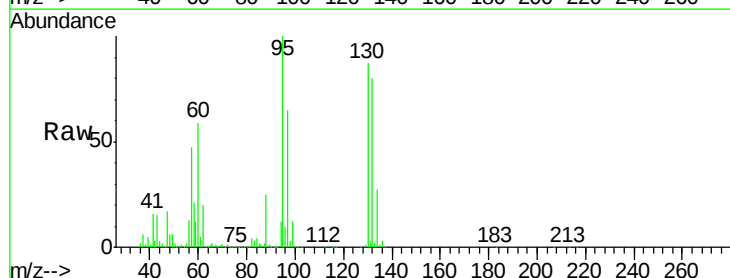
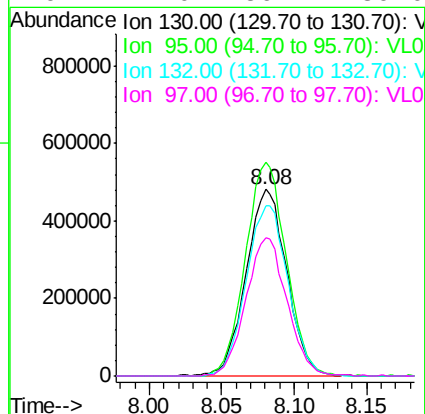
Ion Ratio Lower Upper

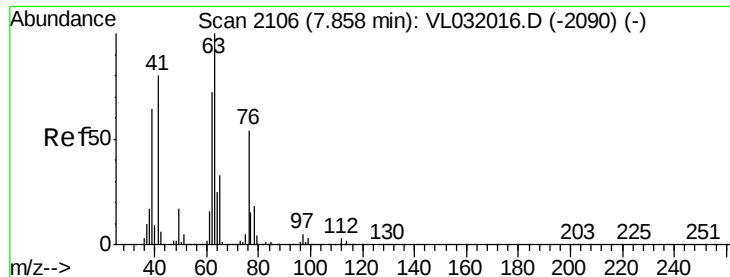
130 100

95 114.4 90.7 136.1

132 91.2 75.6 113.4

97 74.0 59.4 89.0





#39

1,2-Dichloropropane

Concen: 10.16 ppbv

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

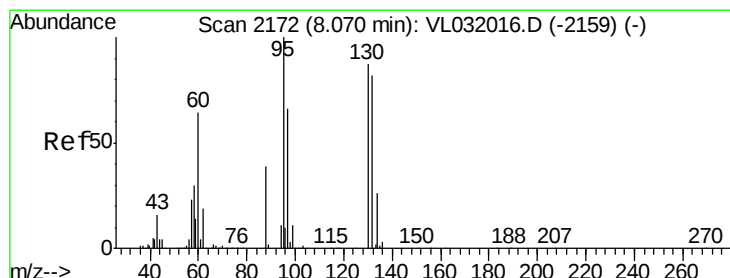
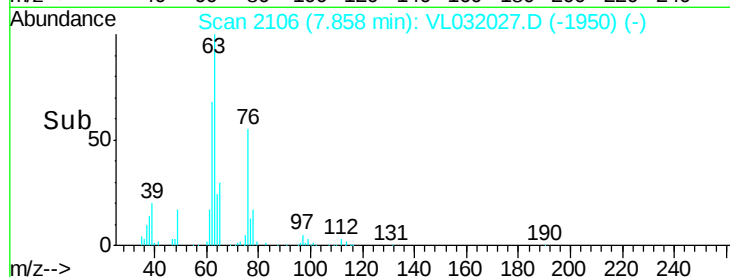
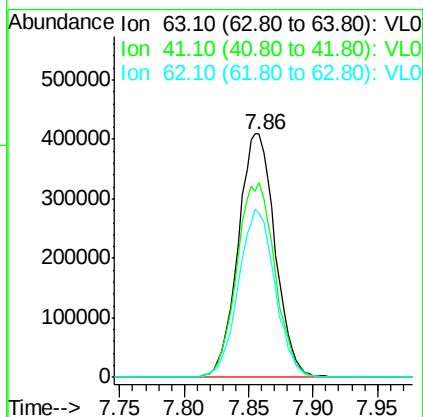
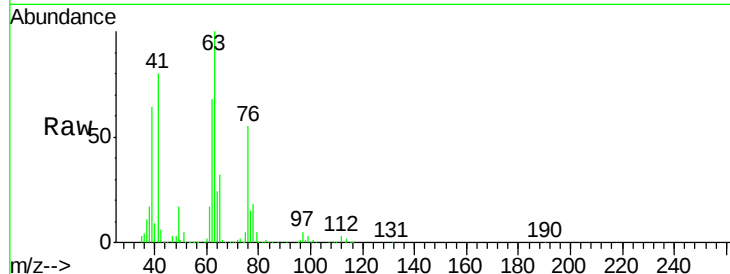
ClientSampleId :

VL0601ABS01

Tot Ion:	63	Resp:	814436
Ion	Ratio	Lower	Upper
63	100		
41	80.2	64.0	96.0
62	67.6	57.6	86.4

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#40

1,4-Dioxane

Concen: 10.14 ppbv

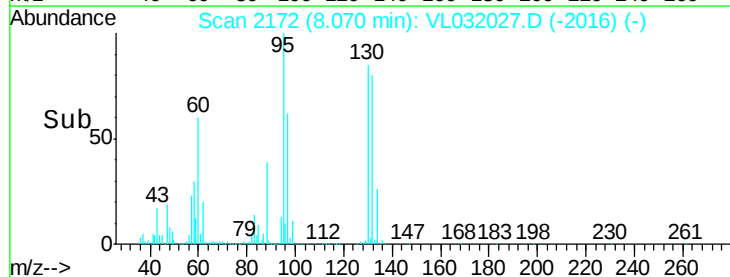
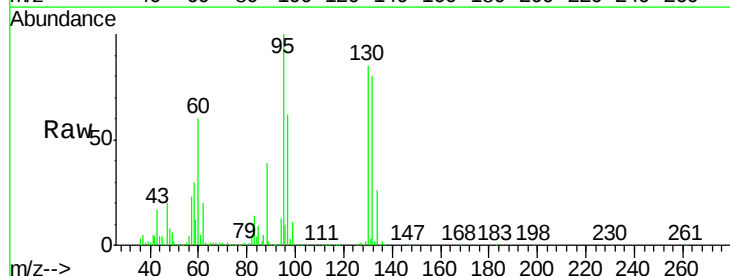
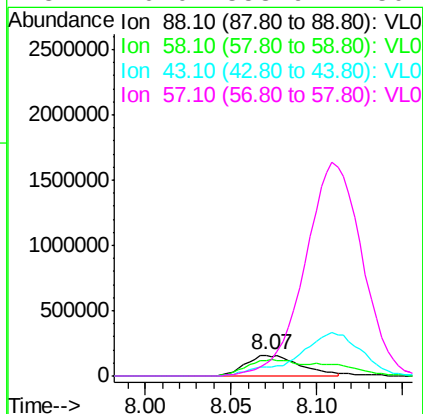
RT: 8.07 min Scan# 2172

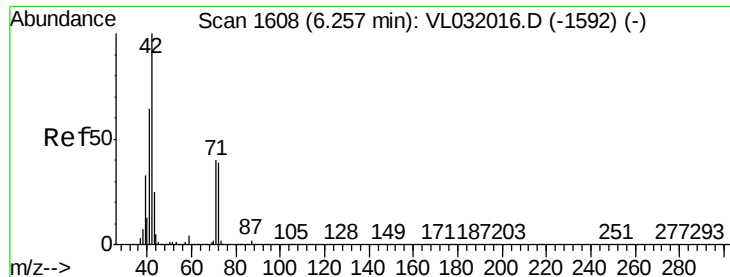
Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tgt Ion:	88	Resp:	349594
Ion	Ratio	Lower	Upper
88	100		
58	129.5	100.5	150.7
43	0.0	193.8	290.6#
57	0.0	853.9	1280.9#





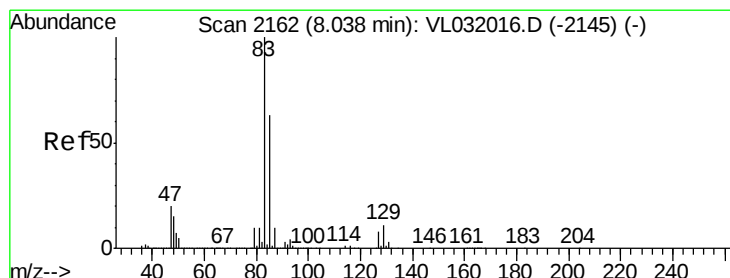
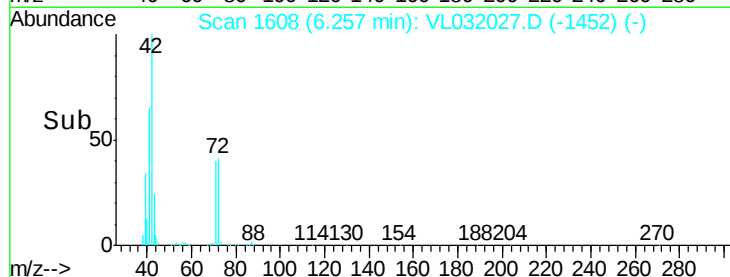
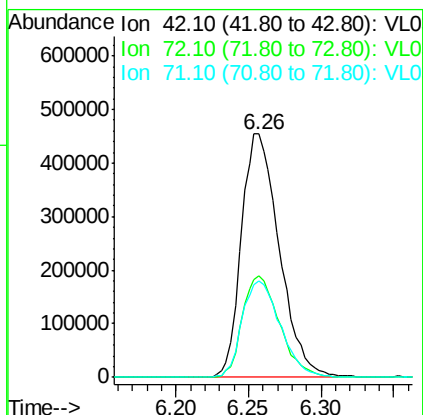
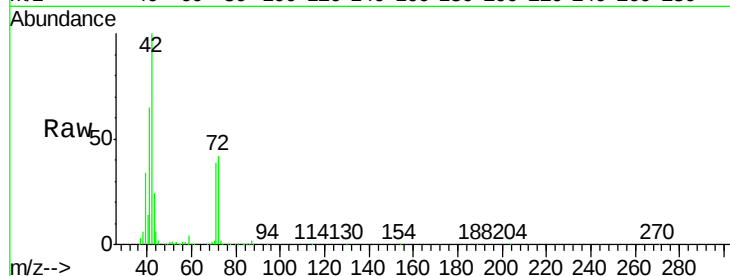
#41
Tetrahydrofuran
Concen: 9.89 ppbv
RT: 6.26 min Scan# 1608
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.3	48.5
71	39.9	32.3	48.5

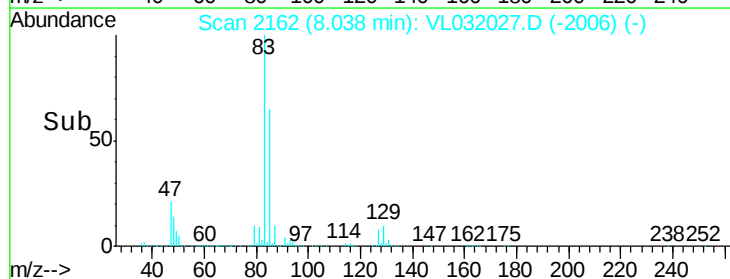
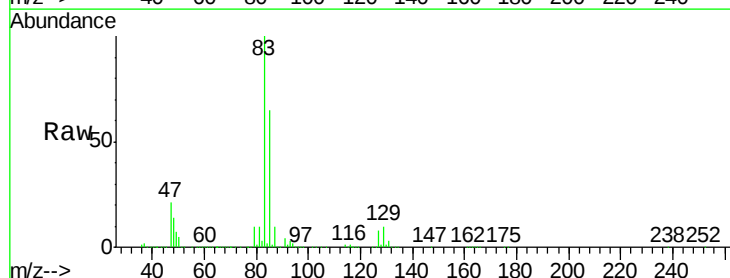
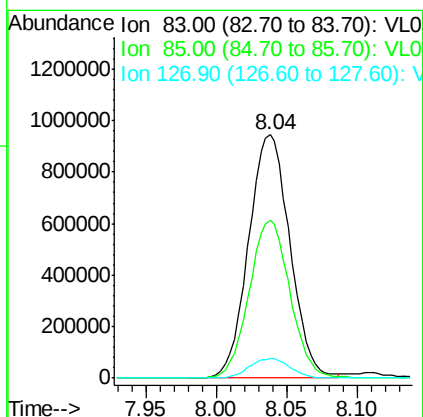
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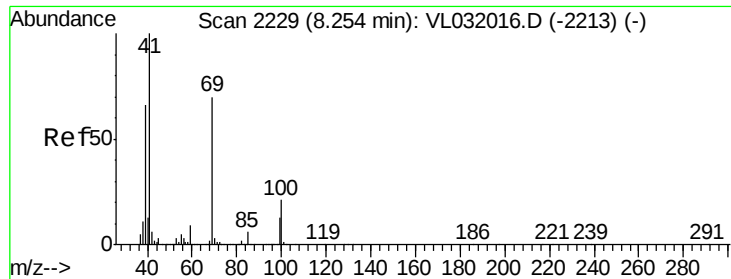
MMDadoda
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#42
Bromodichloromethane
Concen: 9.89 ppbv
RT: 8.04 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	8.0	6.6	9.8





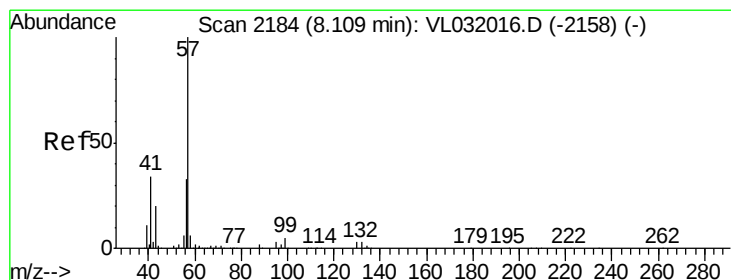
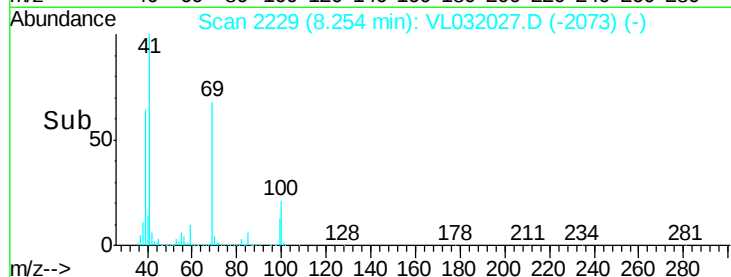
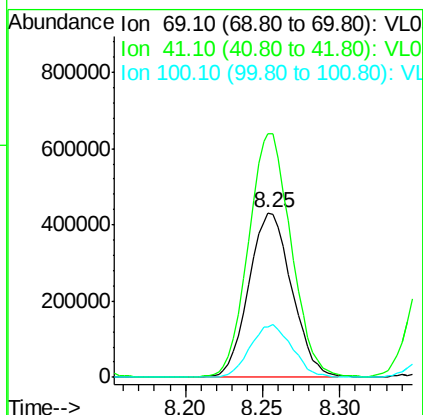
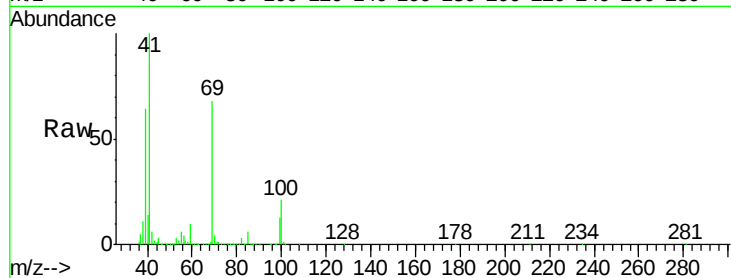
#43
Methvl Methacrilate
Concen: 11.01 ppbv
RT: 8.25 min Scan# 2229
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.3	115.5	173.3	
100	31.4	25.4	38.0	

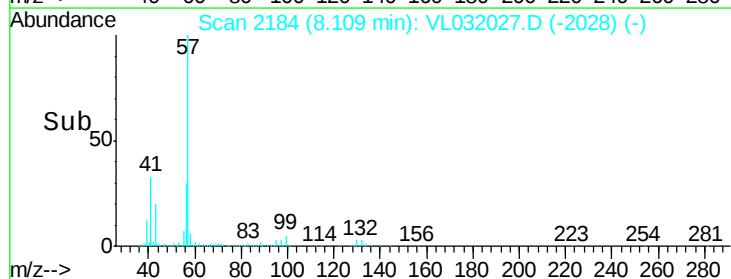
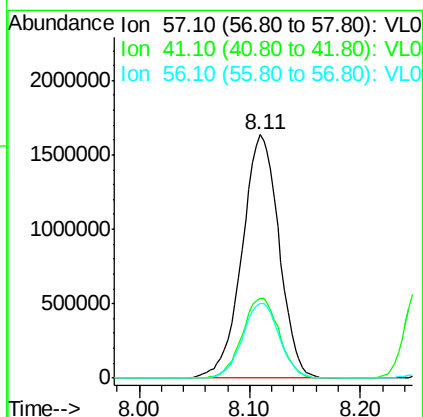
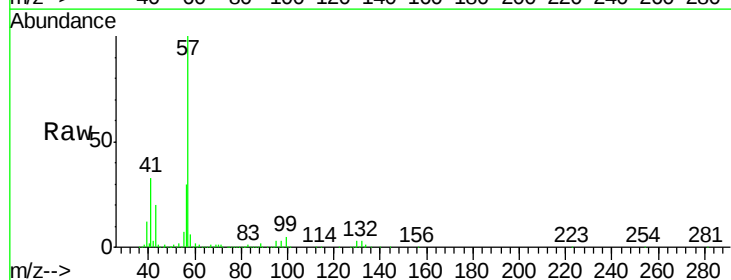
Manual Integrations
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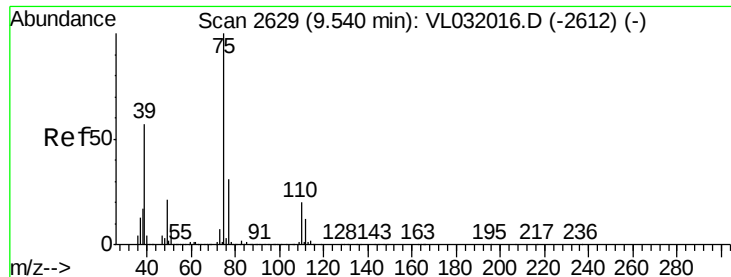
MMDadoda
6/4/2018 3:35:46 PM



#44
2,2,4-Trimethylpentane
Concen: 10.15 ppbv
RT: 8.11 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.1	26.6	40.0	
56	30.8	24.9	37.3	





#45

t-1,3-Dichloropropene

Concen: 11.68 ppbv

RT: 9.54 min Scan# 2629

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 75 Resp: 1196004

Ion Ratio Lower Upper

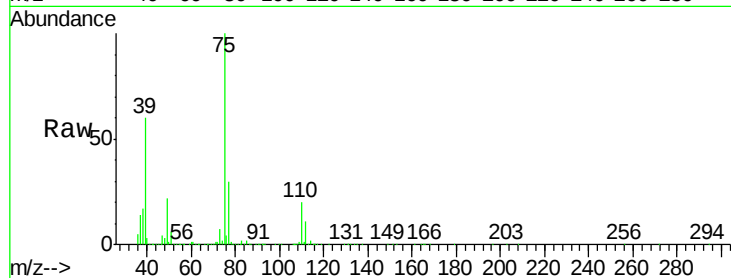
75 100

77 30.4 25.0 37.4

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.54

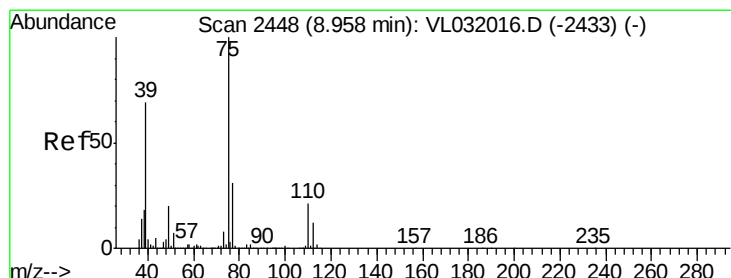
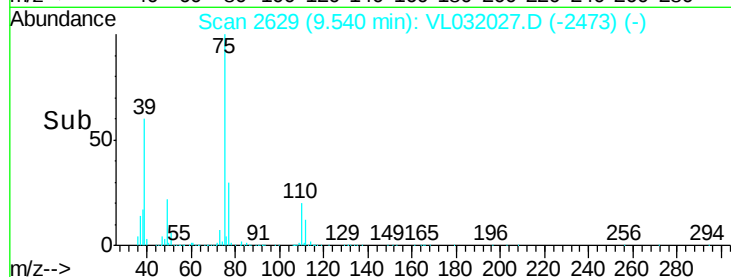
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.29 ppbv

RT: 8.95 min Scan# 2447

Delta R.T. -0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

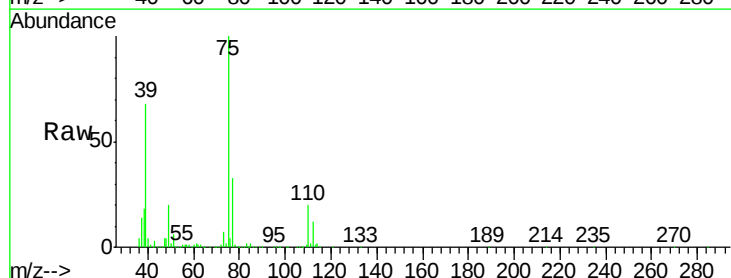
Tgt Ion: 75 Resp: 1468317

Ion Ratio Lower Upper

75 100

39 68.0 55.0 82.6

77 32.8 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

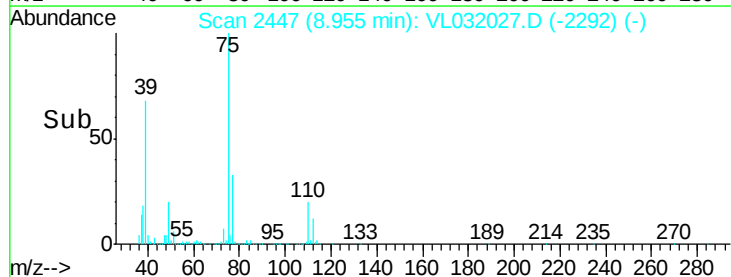
600000

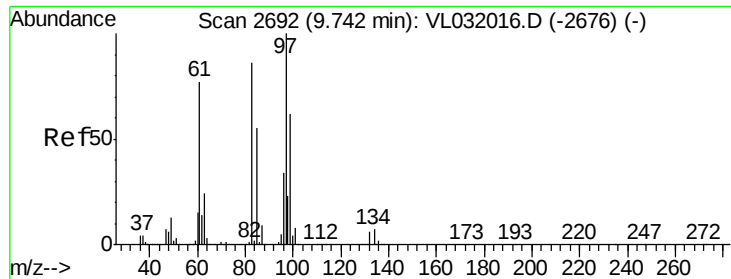
400000

200000

0

Time-->





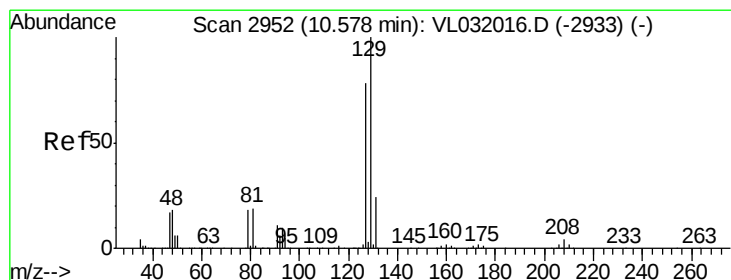
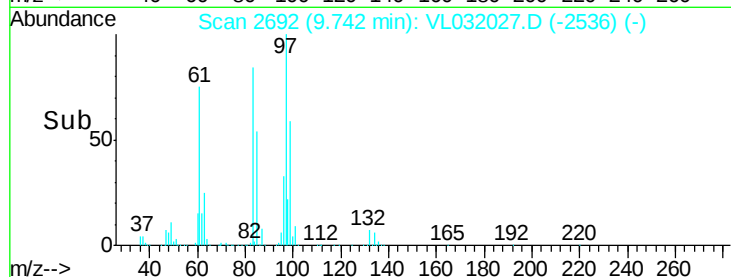
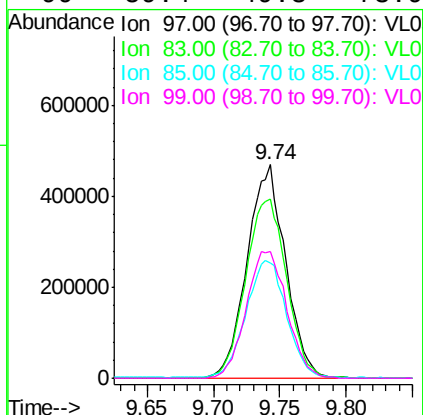
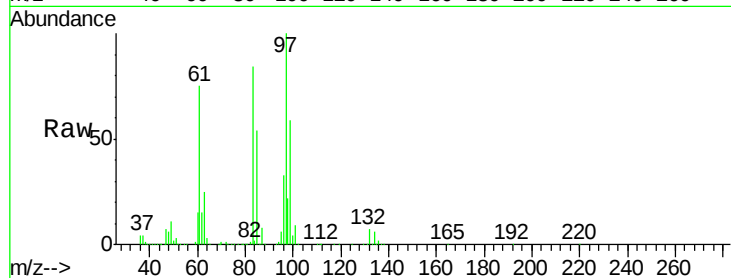
#47
 1,1,2-Trichloroethane
 Concen: 9.56 ppbv
 RT: 9.74 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.1	103.7
85	53.6	44.5	66.7
99	59.4	49.3	73.9

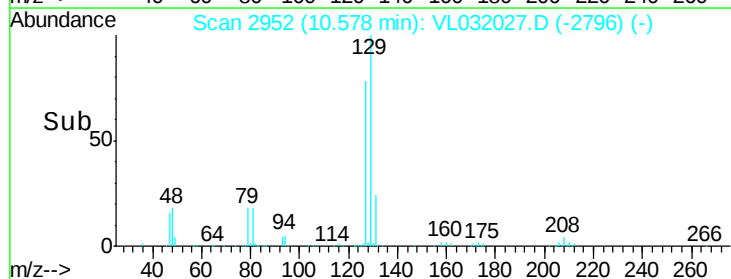
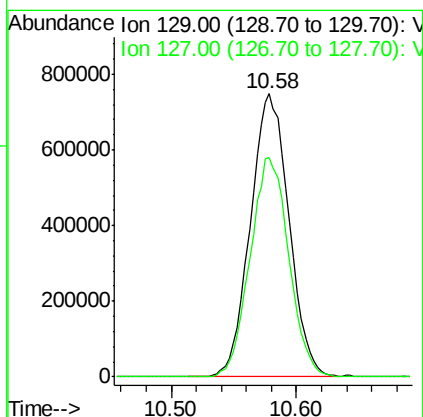
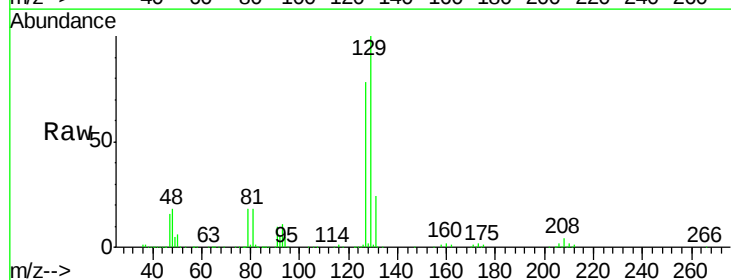
Manual Integrations
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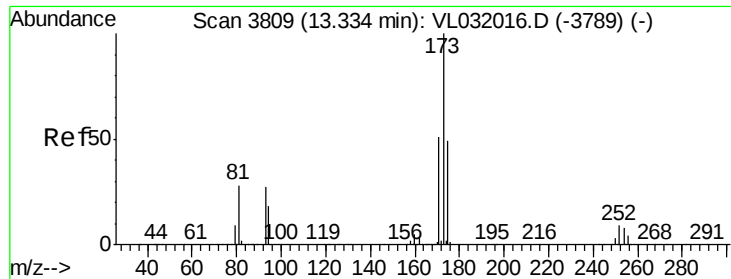
MMDadoda
 6/4/2018 3:35:46 PM



#48
 Dibromochloromethane
 Concen: 9.76 ppbv
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.9





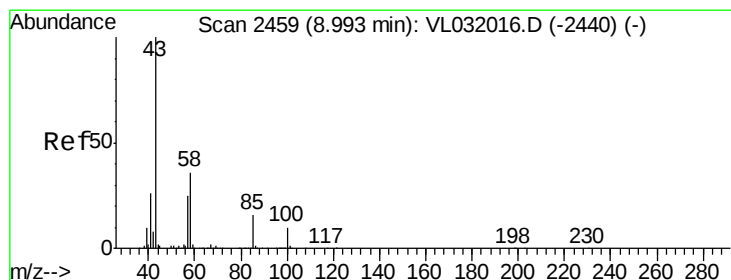
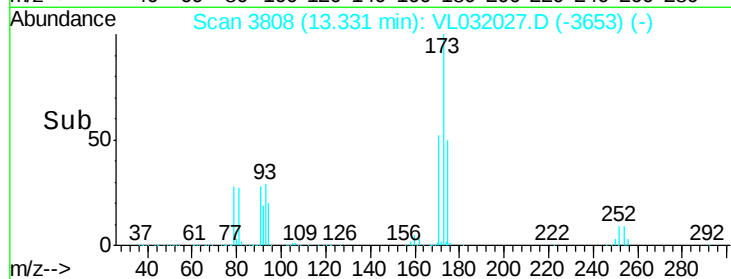
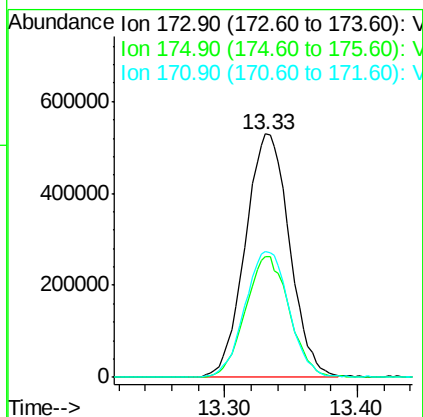
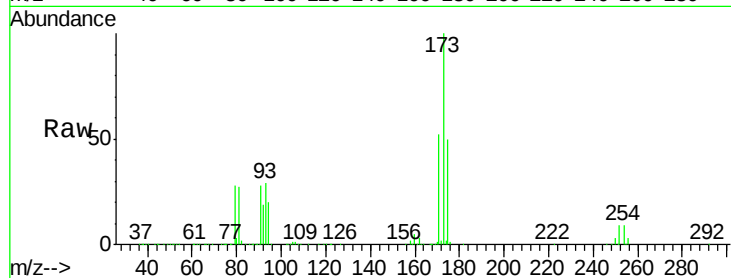
#49
Bromoform
Concen: 9.55 ppbv
RT: 13.33 min Scan# 3808
Delta R.T. -0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.8	59.8
171	51.8	41.7	62.5

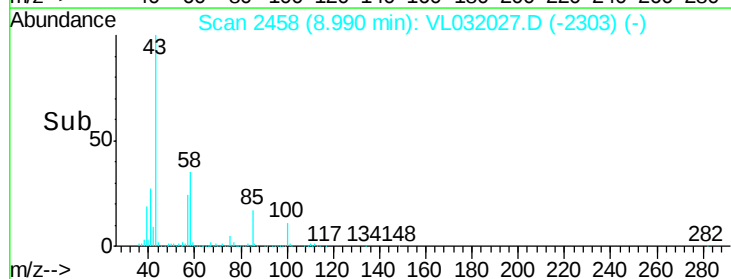
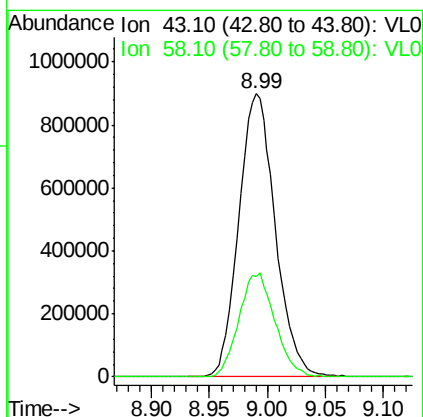
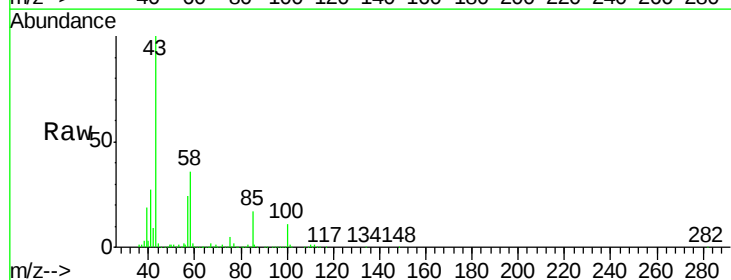
Manual Integrations
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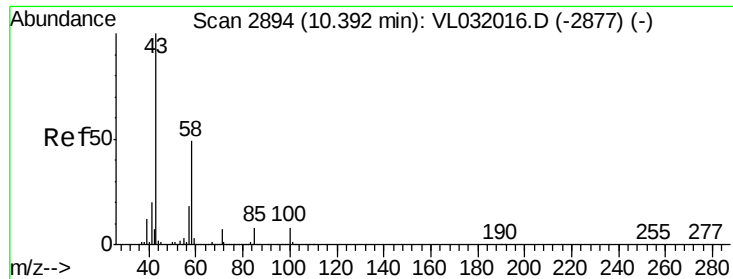
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.36 ppbv
RT: 8.99 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7





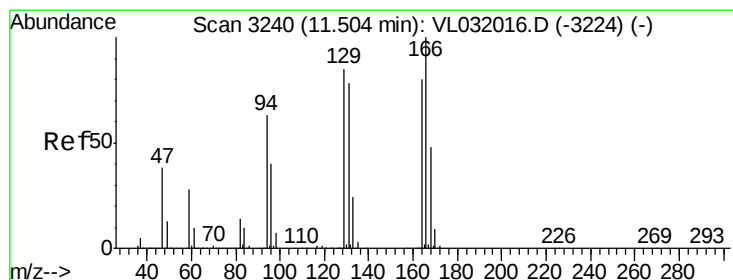
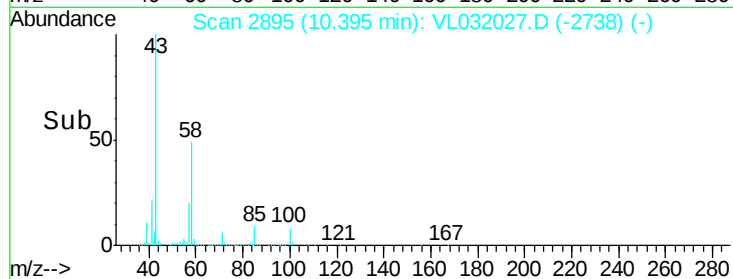
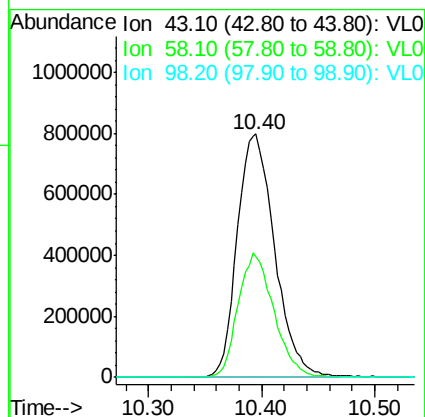
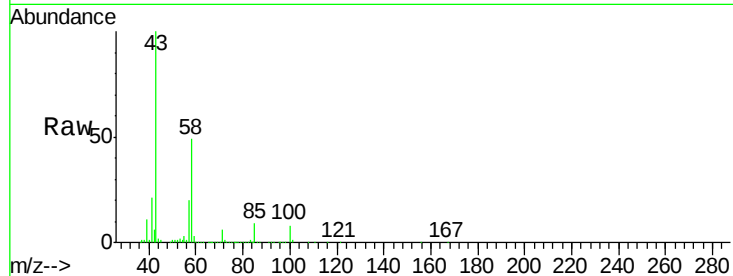
#51
2-Hexanone
Concen: 10.81 ppbv
RT: 10.40 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 43 Resp: 1836365
Ion Ratio Lower Upper
43 100
58 49.0 39.0 58.6
98 0.2 0.4 0.6#

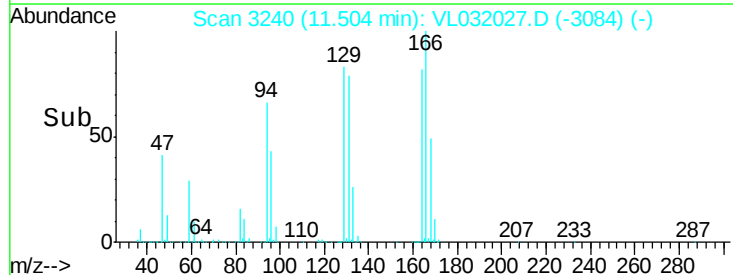
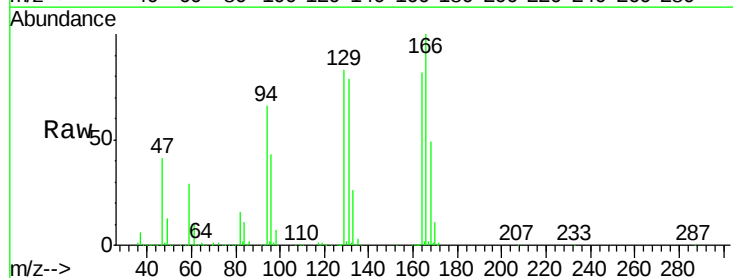
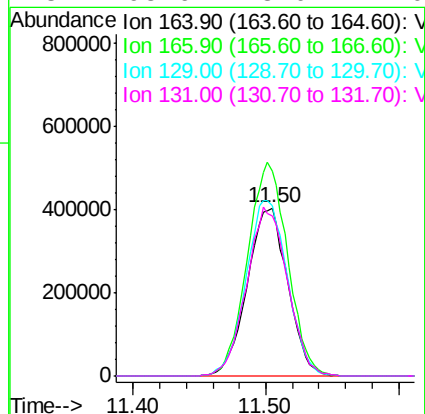
Manual Integrations
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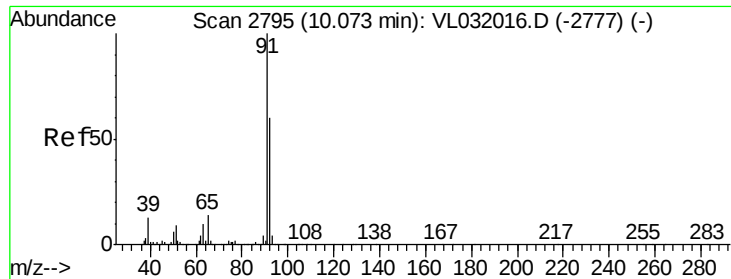
MMDadoda
6/4/2018 3:35:46 PM



#52
Tetrachloroethene
Concen: 9.92 ppbv
RT: 11.50 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion:164 Resp: 856201
Ion Ratio Lower Upper
164 100
166 121.7 100.2 150.2
129 101.4 85.4 128.0
131 95.6 78.0 117.0





#53

Toluene

Concen: 10.90 ppbv

RT: 10.07 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 91 Resp: 2651647

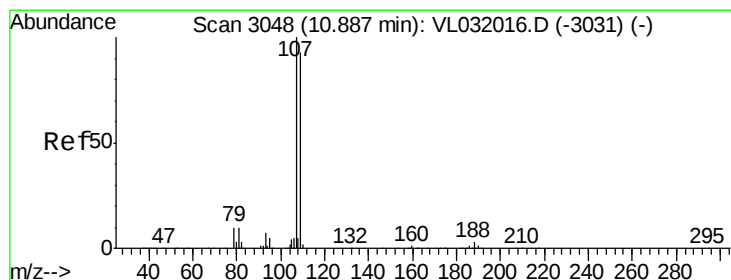
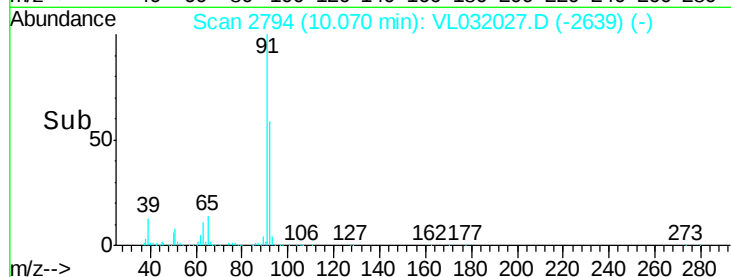
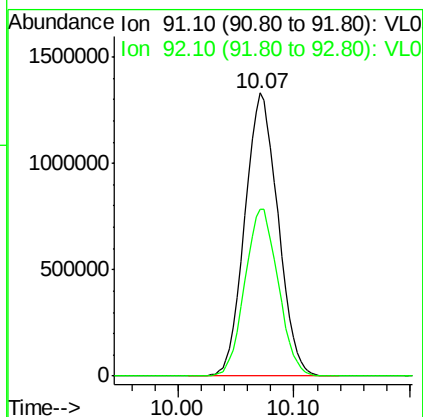
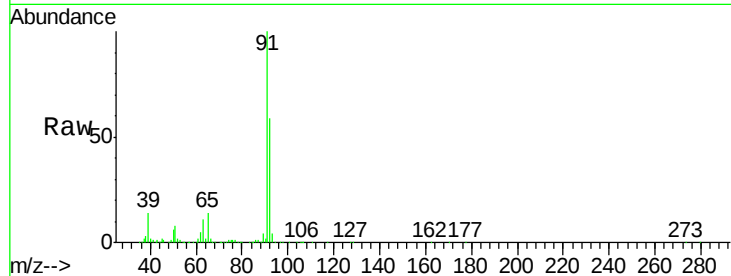
Ion Ratio Lower Upper

91 100

92 59.4 48.2 72.2

Manual Integrations
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MMDadoda
6/4/2018 3:35:46 PM



#54

1,2-Dibromoethane

Concen: 9.76 ppbv

RT: 10.89 min Scan# 3049

Delta R.T. 0.00 min

Lab File: VL032027.D

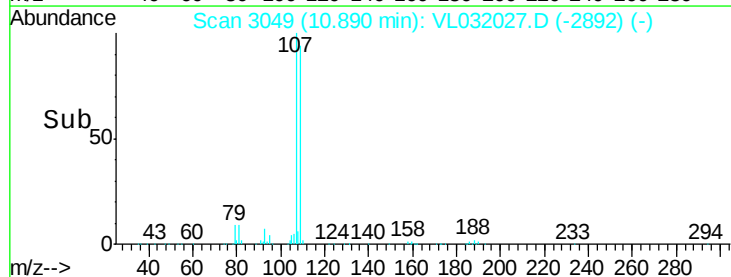
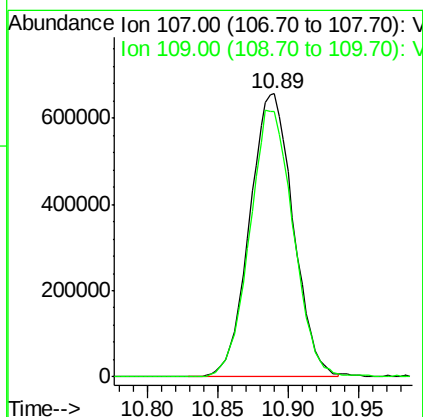
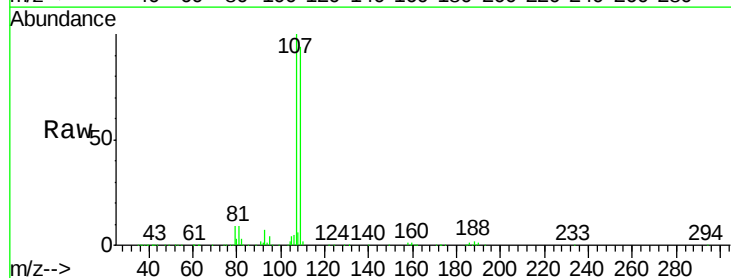
Acq: 1 Jun 2018 18:57

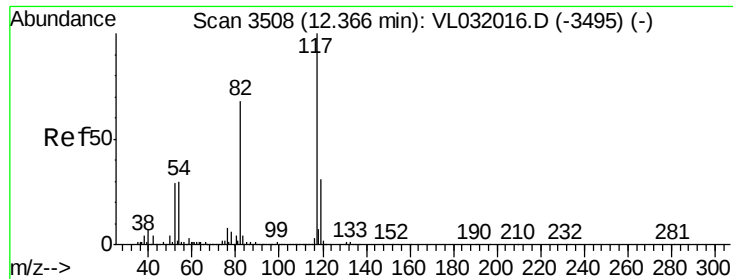
Tgt Ion: 107 Resp: 1414085

Ion Ratio Lower Upper

107 100

109 94.0 74.6 111.8





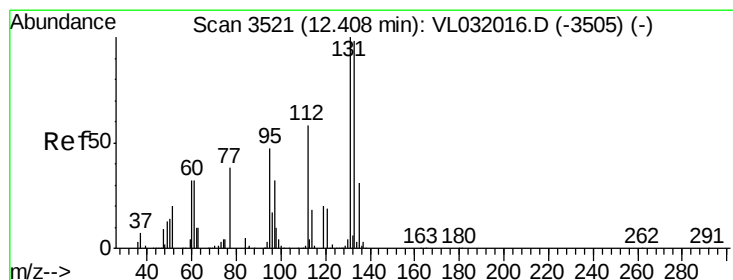
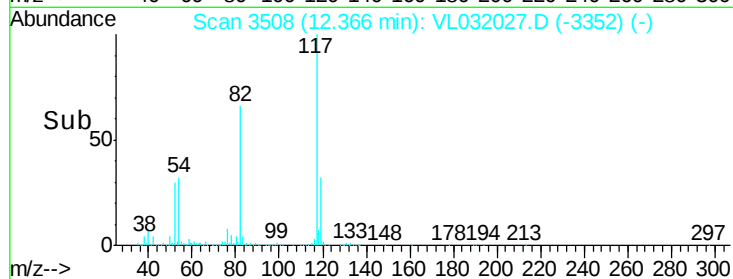
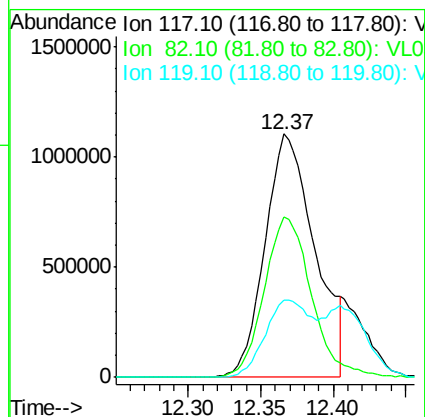
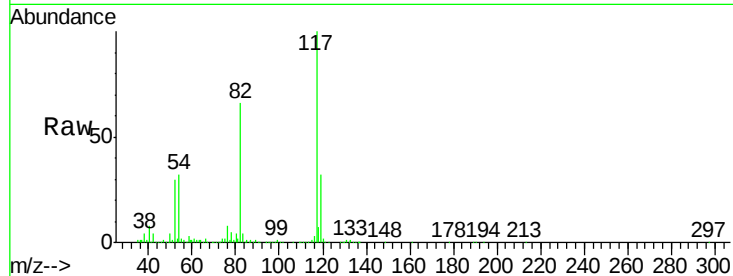
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	52.7	79.1
119	29.3	25.5	38.3

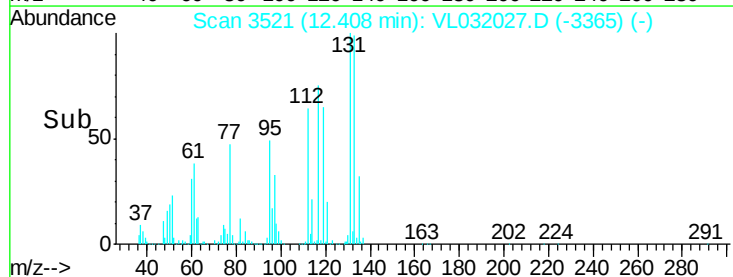
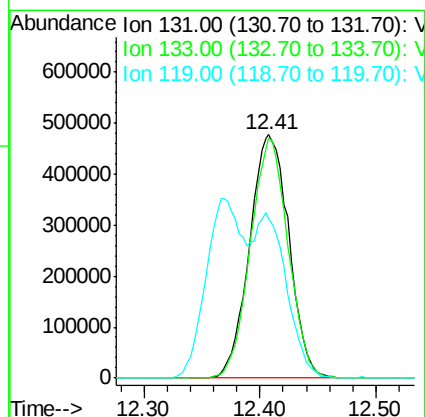
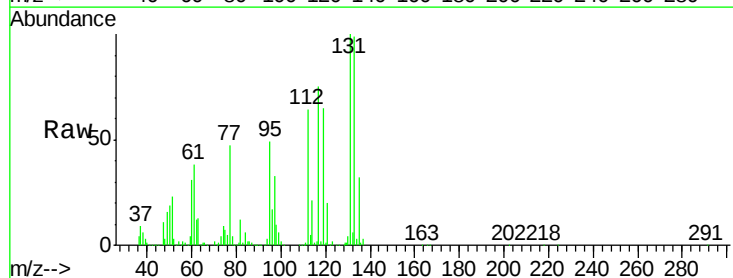
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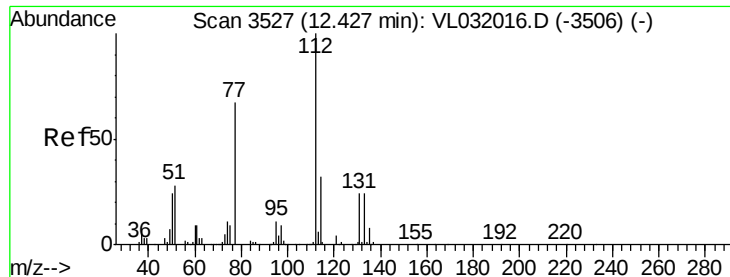
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.83 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.7	115.1
119	54.7	49.2	73.8





#57

Chlorobenzene

Concen: 8.69 ppbv

RT: 12.43 min Scan# 3528

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion: 112 Resp: 2092394

Ion Ratio Lower Upper

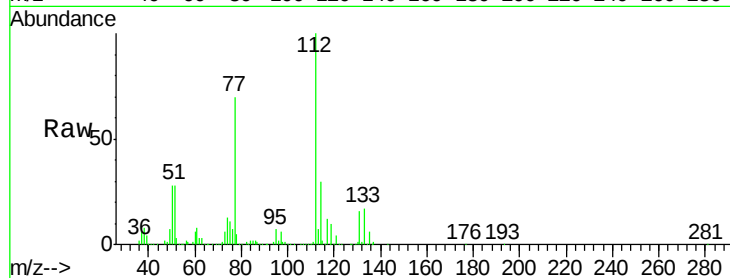
112 100

77 69.3 54.3 81.5

114 29.8 28.6 35.0

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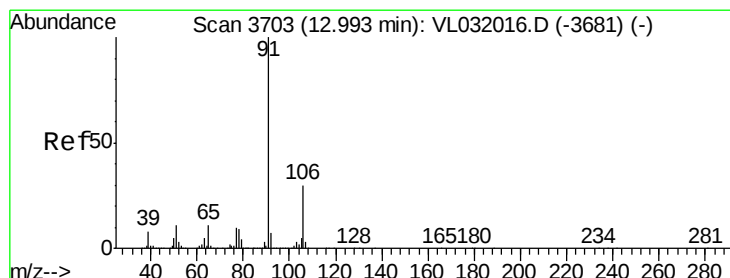
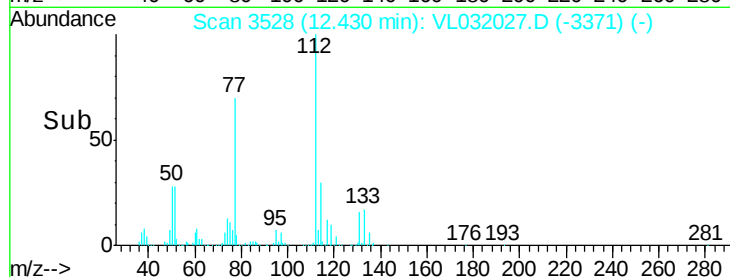
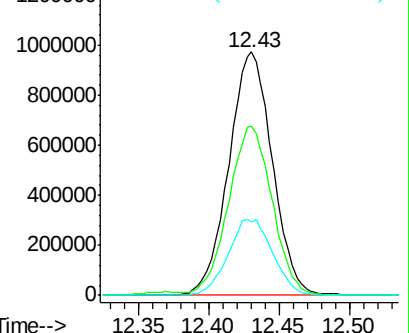
MMDadoda
6/4/2018 3:35:46 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.87 ppbv

RT: 12.99 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VL032027.D

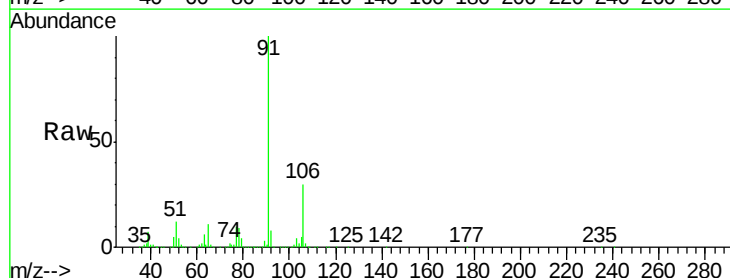
Acq: 1 Jun 2018 18:57

Tgt Ion: 91 Resp: 3657795

Ion Ratio Lower Upper

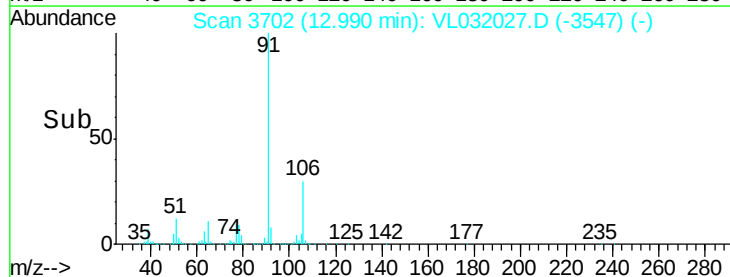
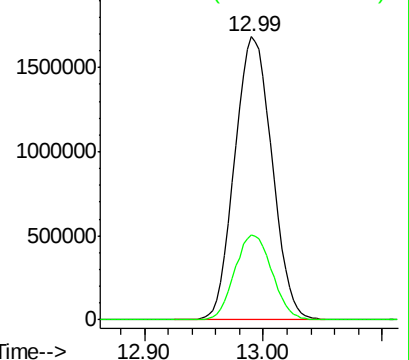
91 100

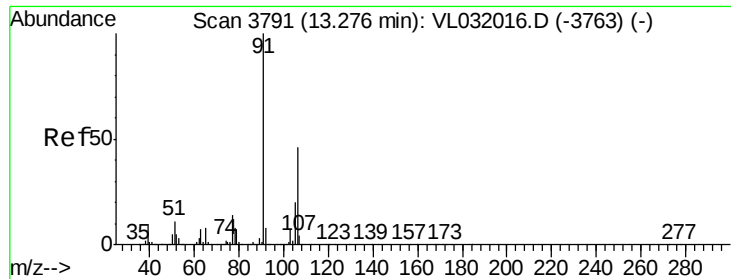
106 30.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





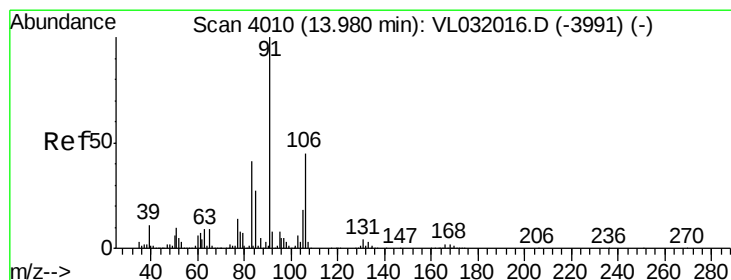
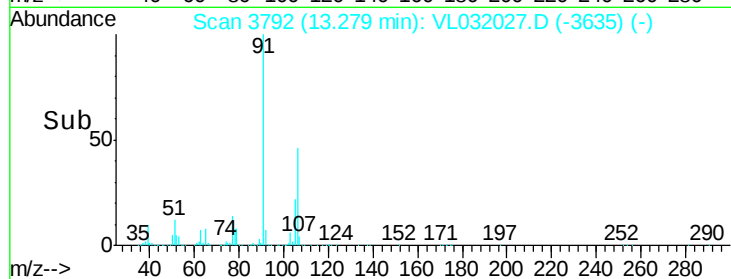
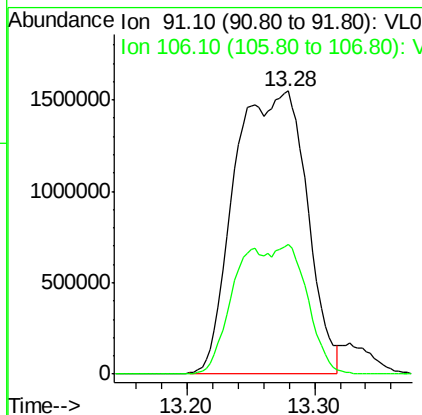
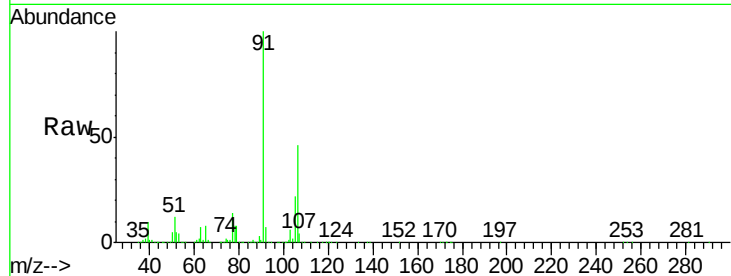
#59
m/p-Xylene
Concen: 18.70 ppbv m
RT: 13.28 min Scan# 3792
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 91 Resp: 6079713
Ion Ratio Lower Upper
91 100
106 45.2 35.7 53.5

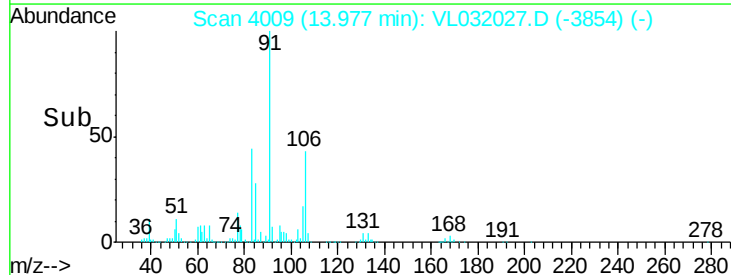
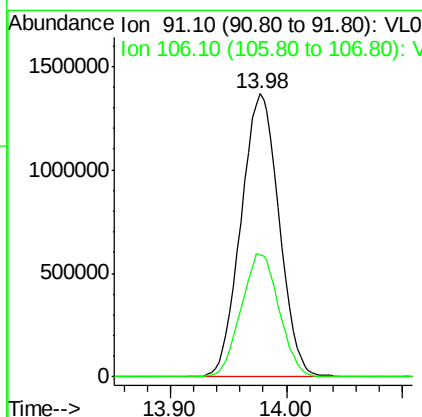
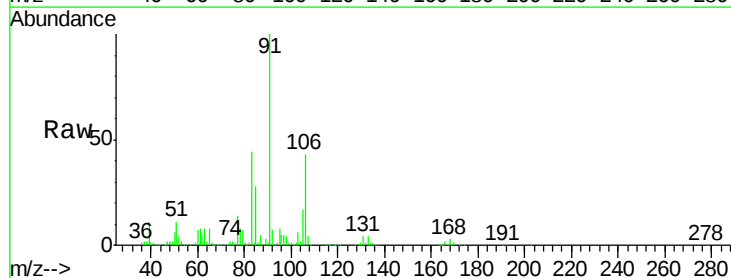
Manual Integrations
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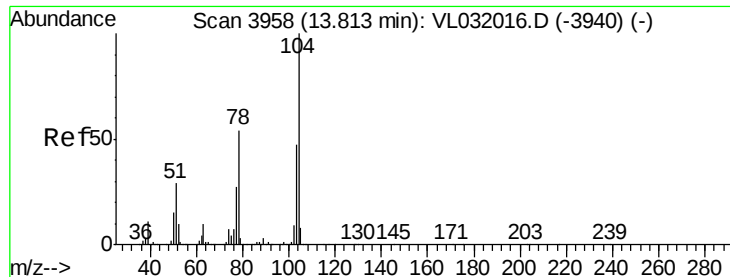
MMDadoda
6/4/2018 3:35:46 PM



#60
o-Xylene
Concen: 9.57 ppbv
RT: 13.98 min Scan# 4009
Delta R.T. -0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion: 91 Resp: 3120634
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.5





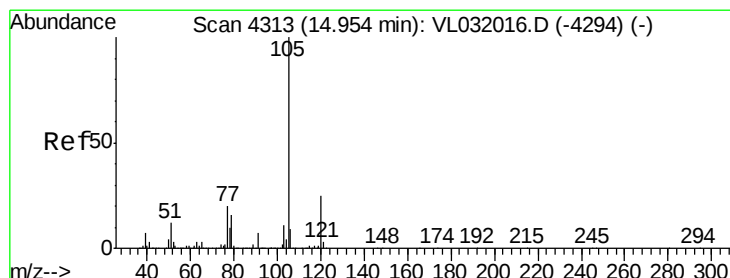
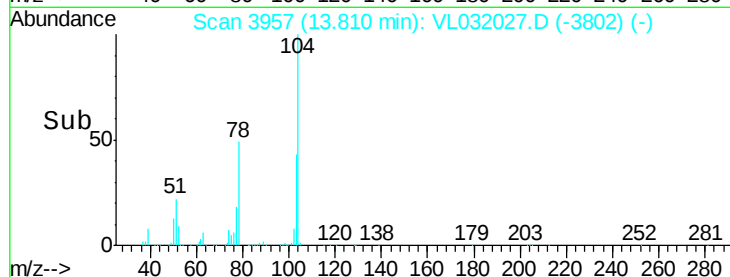
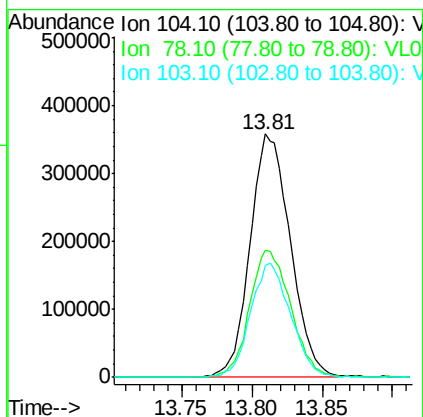
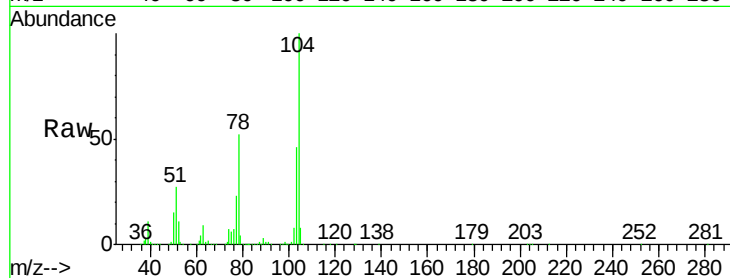
#61
Stvrene
Concen: 11.35 ppbv
RT: 13.81 min Scan# 3957
Delta R.T. -0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.0	64.4
103	47.0	37.4	56.2

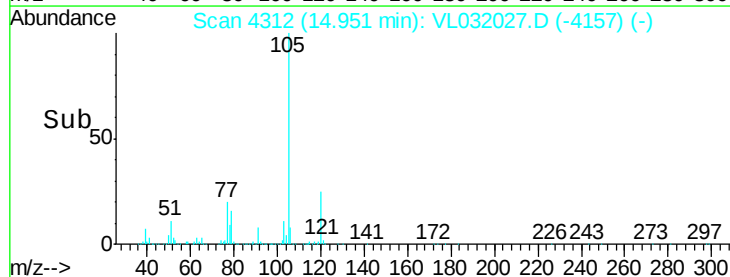
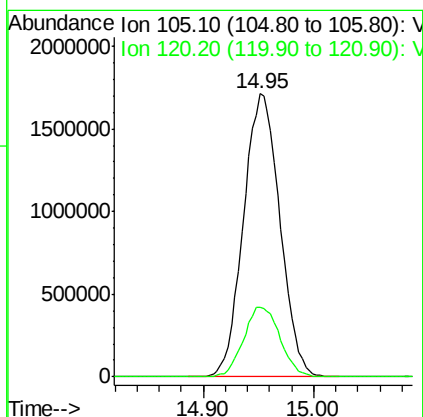
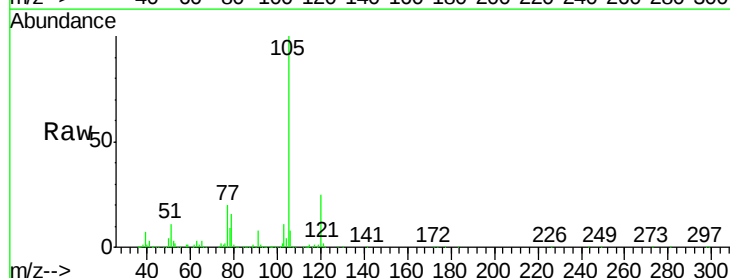
Manual Integrations
APPROVED

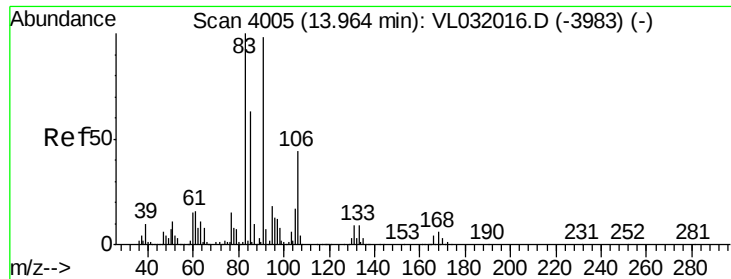
MMDadoda
6/4/2018 3:35:46 PM



#62
Isopropylbenzene
Concen: 9.43 ppbv
RT: 14.95 min Scan# 4312
Delta R.T. -0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.8	29.8





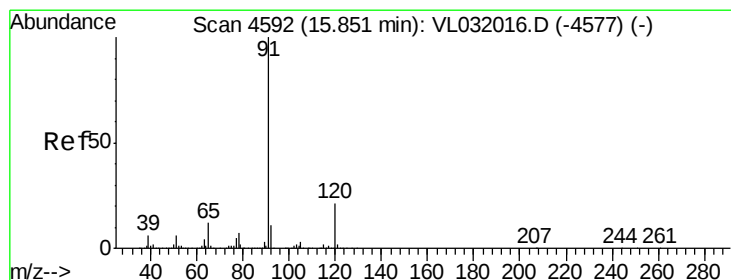
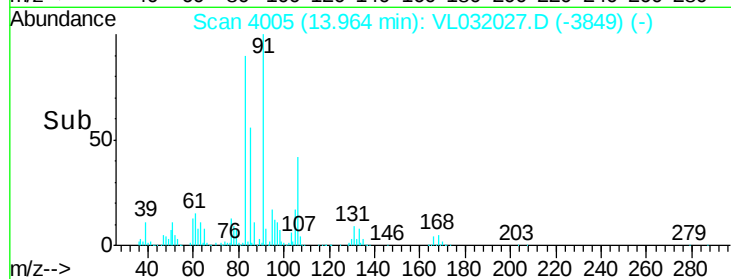
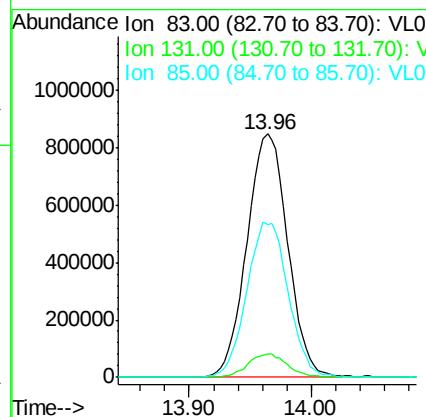
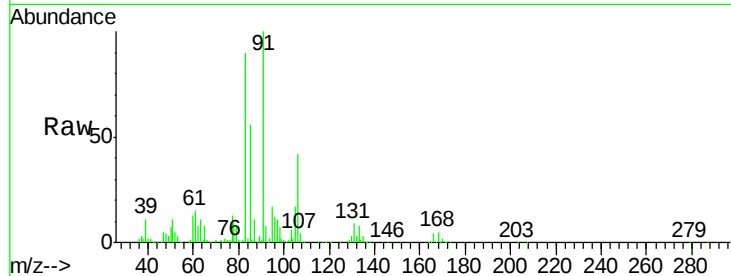
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.77 ppbv
 RT: 13.96 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	83	Resp	1963846
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.7	14.0
85	65.0	32.2	96.6

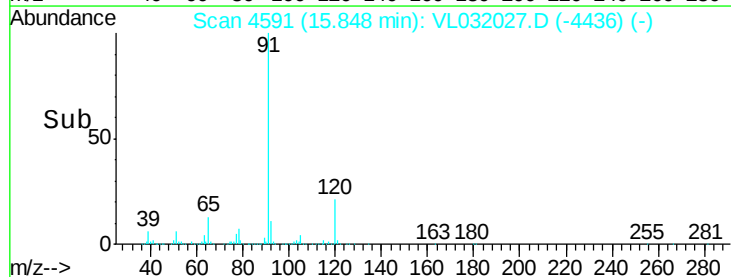
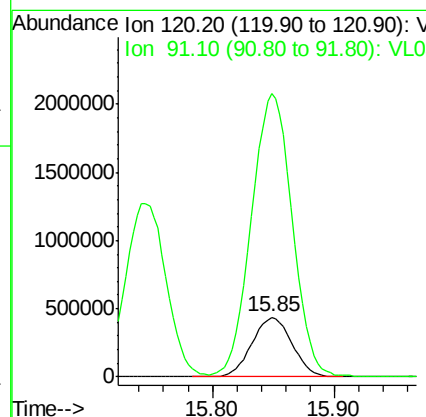
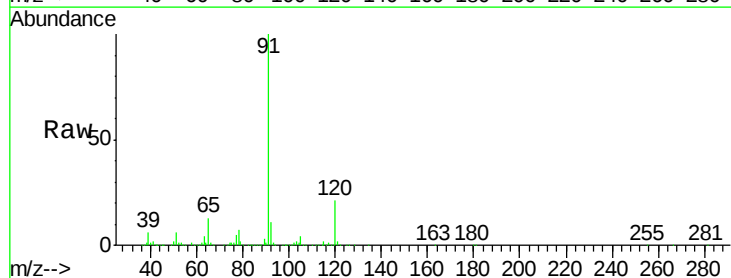
Manual Integrations
 APPROVED

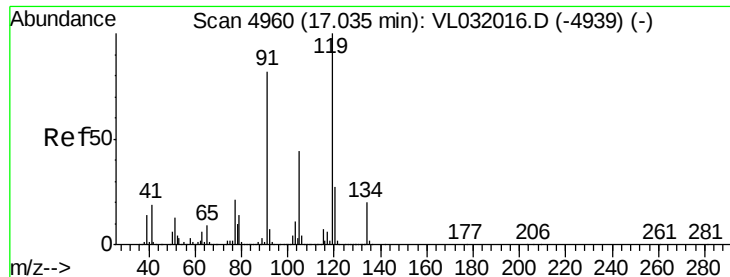
MMDadoda
 6/4/2018 3:35:46 PM



#64
 n-propylbenzene
 Concen: 9.57 ppbv
 RT: 15.85 min Scan# 4591
 Delta R.T. -0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion	120	Resp	993496
Ion Ratio	100	Lower	Upper
120	100		
91	484.2	391.1	586.7





#65

tert-Butylbenzene

Concen: 9.24 ppbv

RT: 17.03 min Scan# 4960

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:119 Resp: 3358027

Ion Ratio Lower Upper

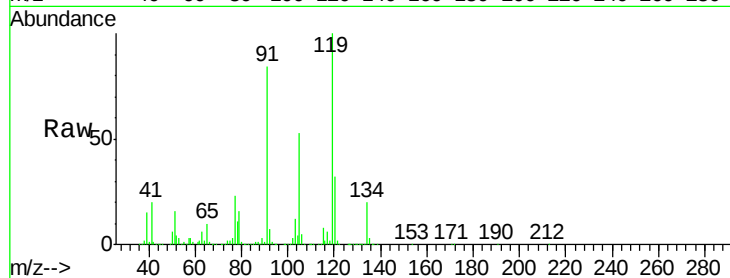
119 100

91 85.7 68.2 102.4

134 19.3 15.6 23.4

Manual Integrations
APPROVED

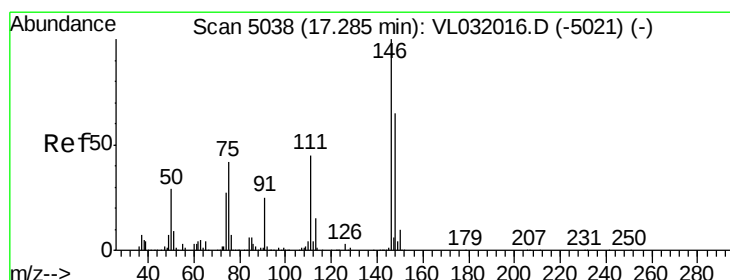
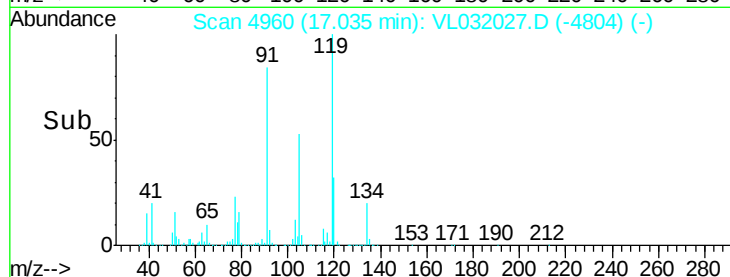
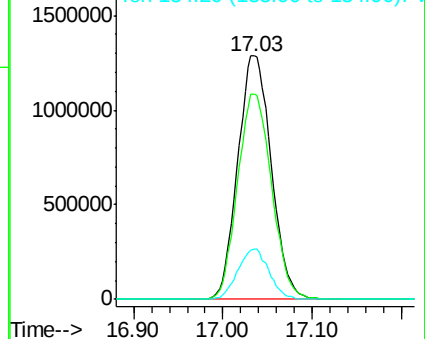
MMDadoda
6/4/2018 3:35:46 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.01 ppbv

RT: 17.28 min Scan# 5036

Delta R.T. -0.01 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

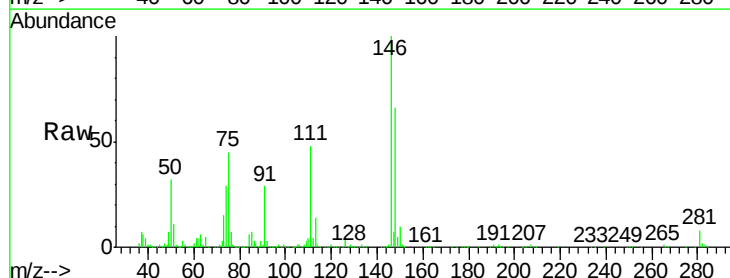
Tgt Ion: 91 Resp: 323280

Ion Ratio Lower Upper

91 100

126 16.6 14.2 21.2

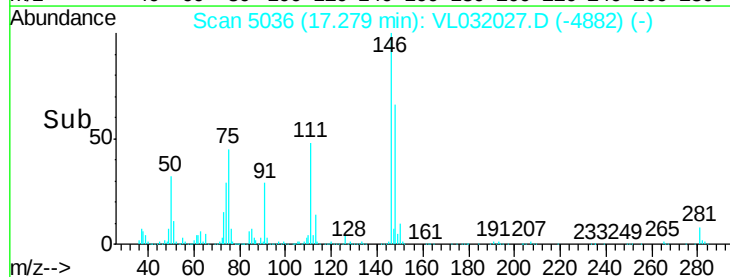
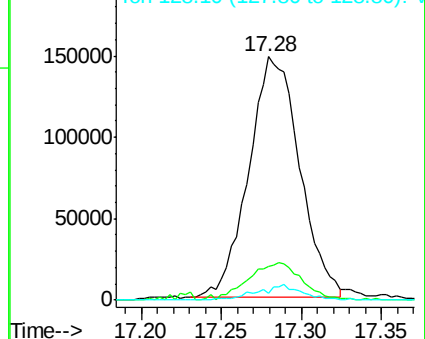
128 5.8 4.5 6.7

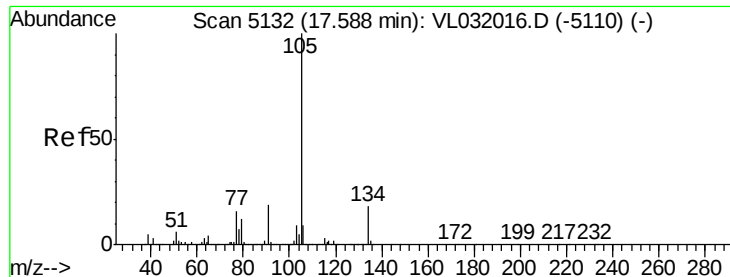


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





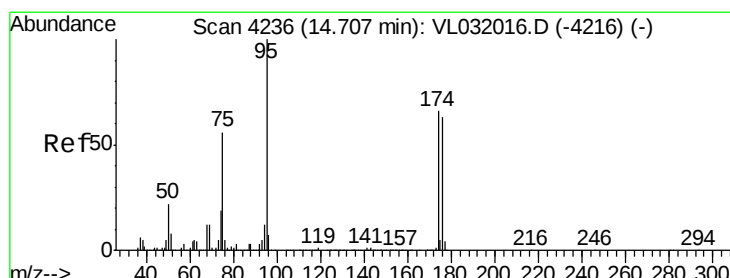
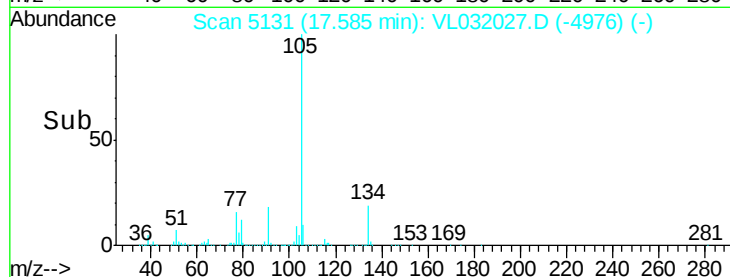
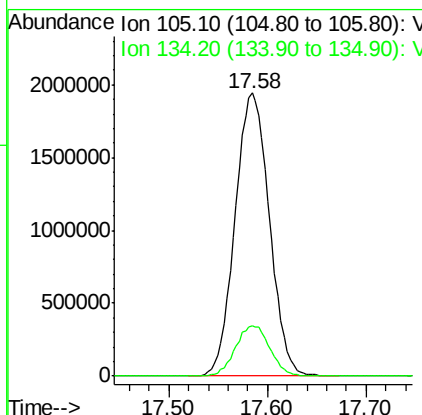
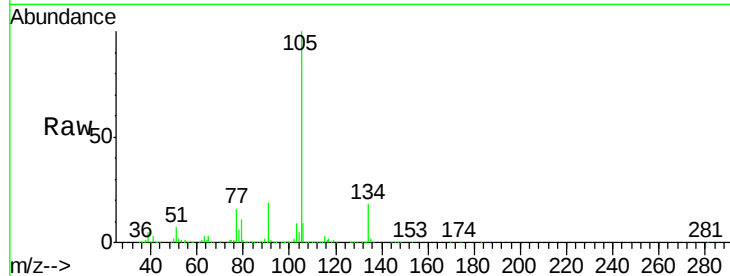
#67
 sec-Butylbenzene
 Concen: 8.89 ppbv
 RT: 17.58 min Scan# 5131
 Delta R.T. -0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion: 105 Resp: 4688572
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6

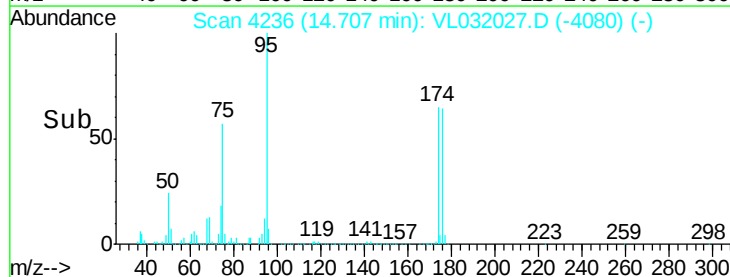
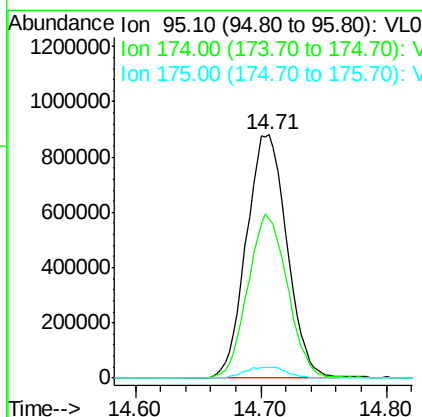
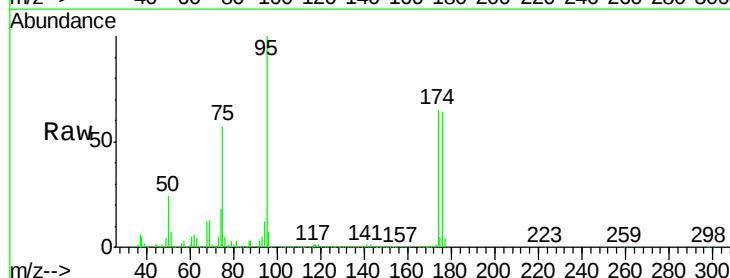
Manual Integrations
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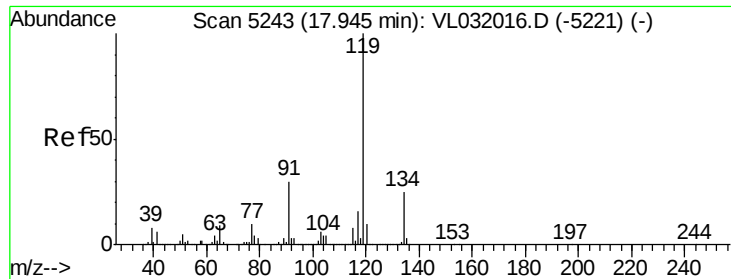
MMDadoda
 6/4/2018 3:35:46 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.73 ppbv
 RT: 14.71 min Scan# 4236
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion: 95 Resp: 1981125
 Ion Ratio Lower Upper
 95 100
 174 66.3 53.2 79.8
 175 4.9 3.7 5.5





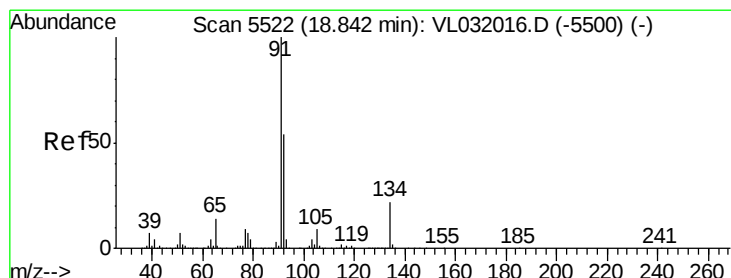
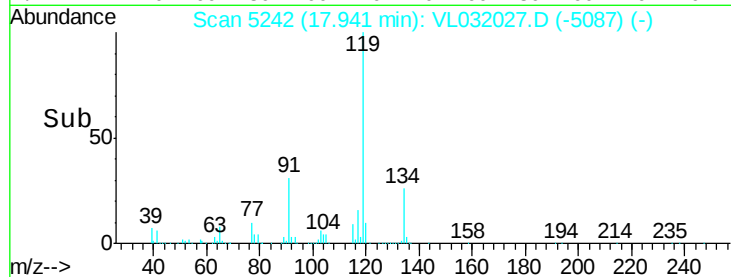
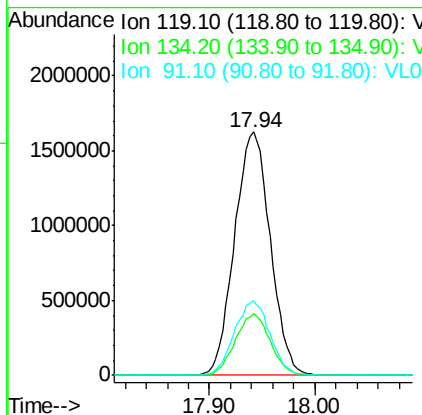
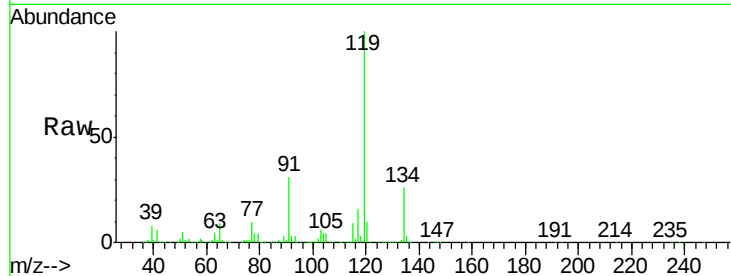
#69
 p-Isopropyltoluene
 Concen: 9.34 ppbv
 RT: 17.94 min Scan# 5242
 Delta R.T. -0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion: 119 Resp: 3814507
 Ion Ratio Lower Upper
 119 100
 134 24.8 19.9 29.9
 91 30.6 24.1 36.1

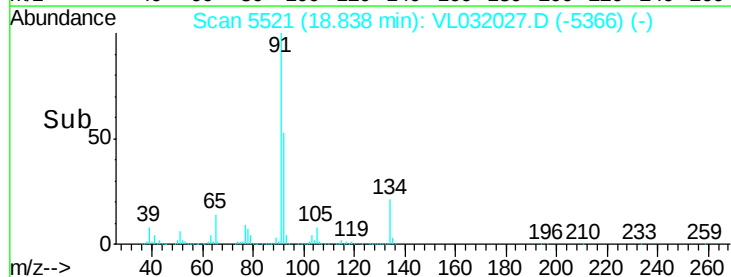
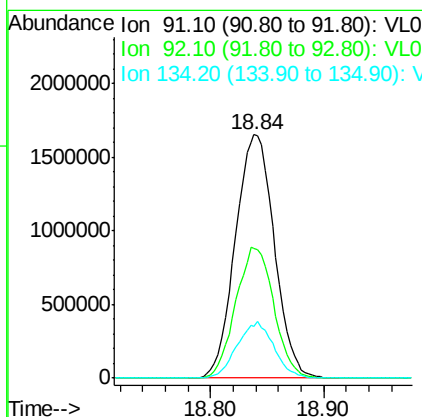
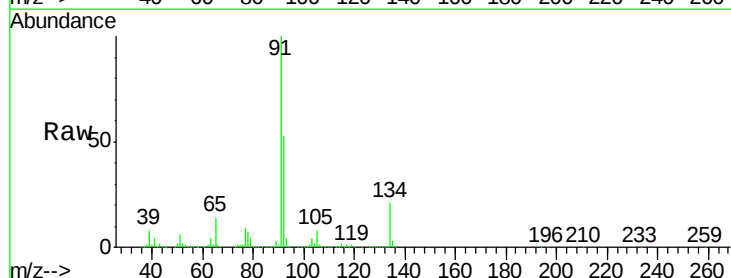
Manual Integrations
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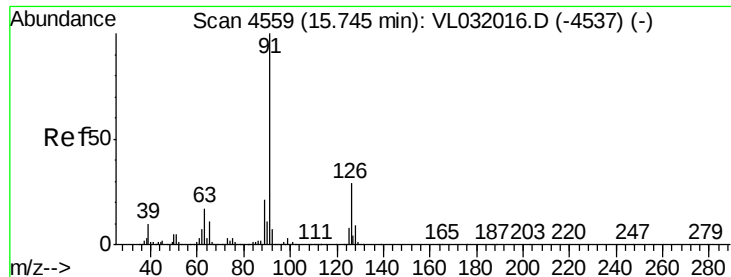
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.39 ppbv
 RT: 18.84 min Scan# 5521
 Delta R.T. -0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion: 91 Resp: 3949580
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.5 63.7
 134 21.9 17.4 26.2





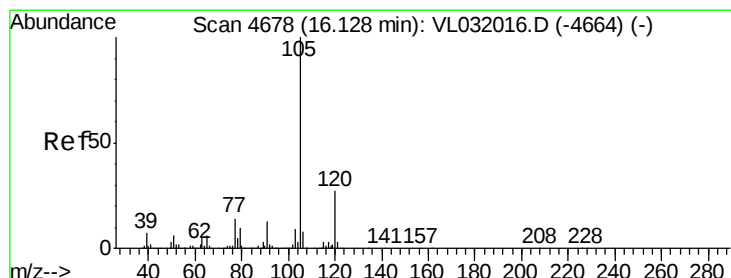
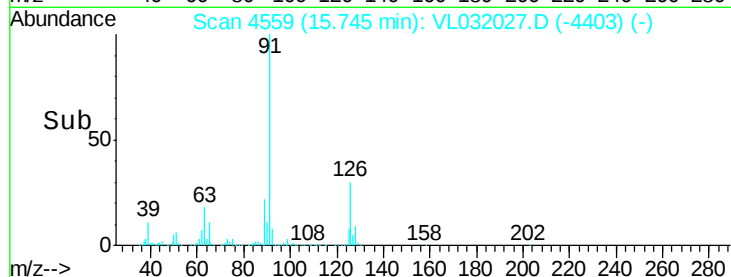
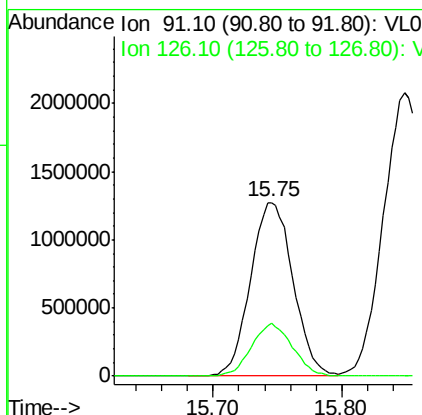
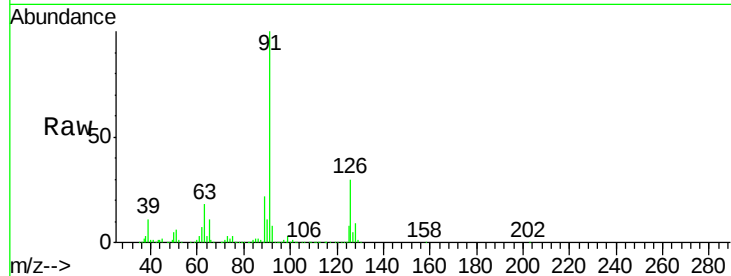
#71
2-Chlorotoluene
Concen: 9.57 ppbv
RT: 15.75 min Scan# 4559
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Instrument :
MSVOA_L
ClientSampleId :
VL0601ABS01

Tot Ion: 91 Resp: 2923954
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.7

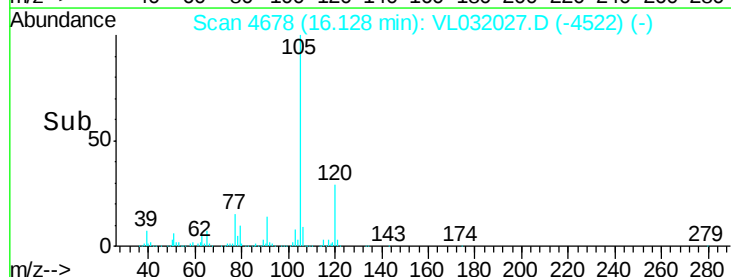
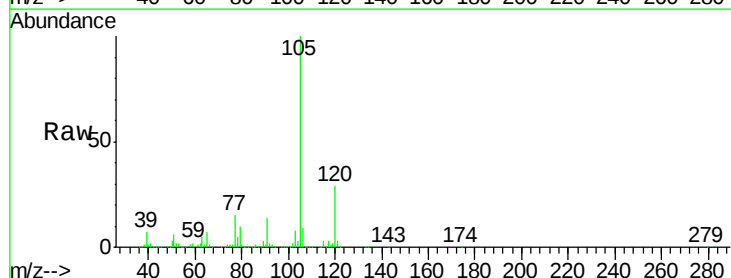
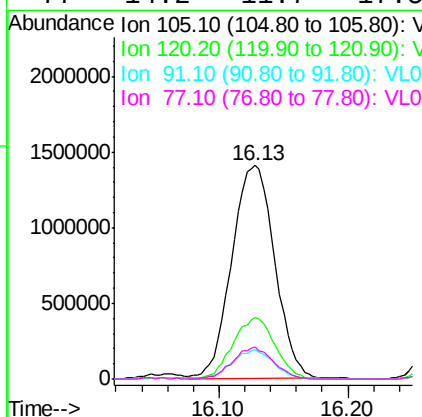
Manual Integrations
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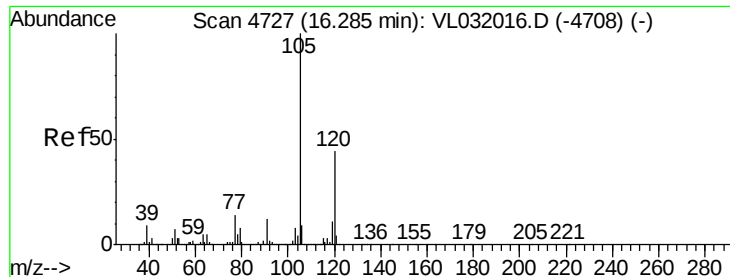
MMDadoda
6/4/2018 3:35:46 PM



#72
4-Ethyltoluene
Concen: 10.02 ppbv
RT: 16.13 min Scan# 4678
Delta R.T. 0.00 min
Lab File: VL032027.D
Acq: 1 Jun 2018 18:57

Tgt Ion: 105 Resp: 3248529
Ion Ratio Lower Upper
105 100
120 28.4 23.4 35.0
91 13.3 10.7 16.1
77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.67 ppbv

RT: 16.29 min Scan# 4727

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:105 Resp: 2893301

Ion Ratio Lower Upper

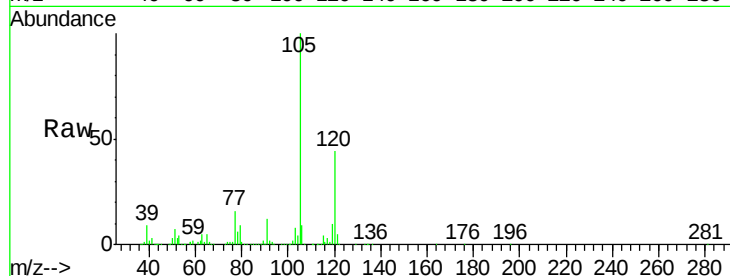
105 100

120 44.1 35.0 52.4

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

Ion 120.20 (119.90 to 120.90): V

1500000

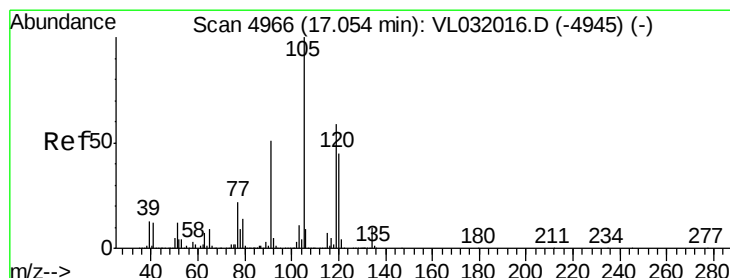
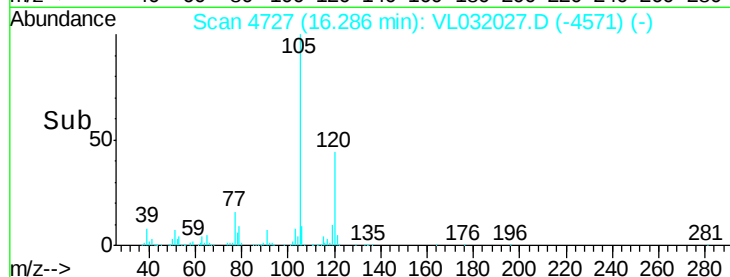
1000000

500000

0

16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.17 ppbv

RT: 17.05 min Scan# 4965

Delta R.T. -0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Tgt Ion:105 Resp: 3092141

Ion Ratio Lower Upper

105 100

120 45.8 36.0 54.0

91 55.2 41.4 62.0

77 23.6 17.3 25.9

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

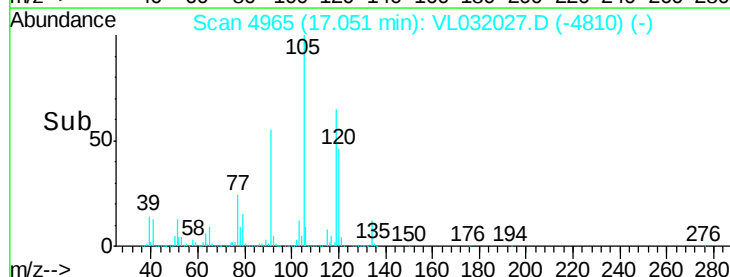
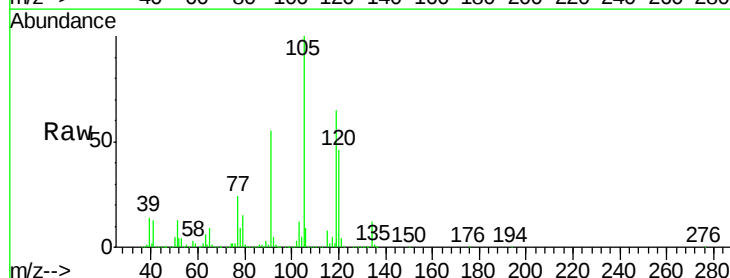
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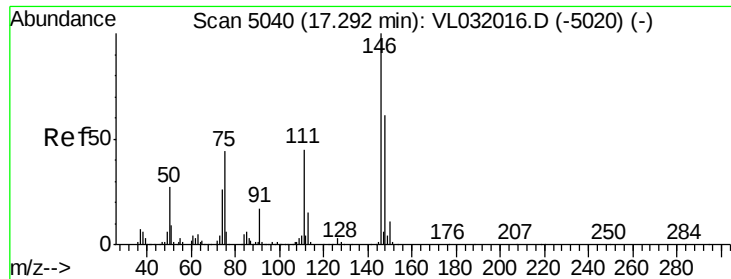
500000

0

17.00 17.10

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.28 ppbv

RT: 17.29 min Scan# 5040

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:146 Resp: 1918382

Ion Ratio Lower Upper

146 100

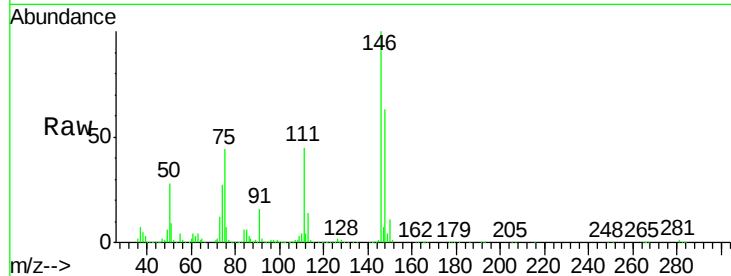
111 47.8 23.7 71.1

148 64.9 32.1 96.5

Manual Integrations
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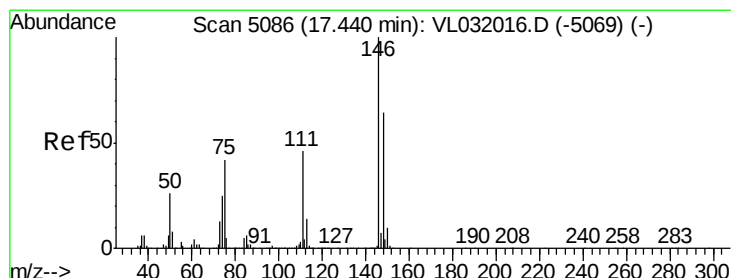
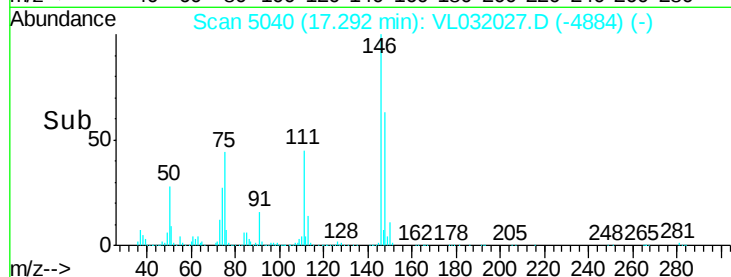
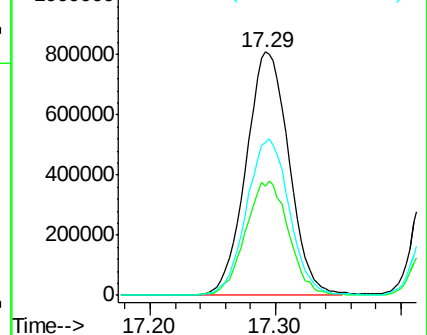
6/4/2018 3:35:46 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.81 ppbv

RT: 17.43 min Scan# 5084

Delta R.T. -0.01 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

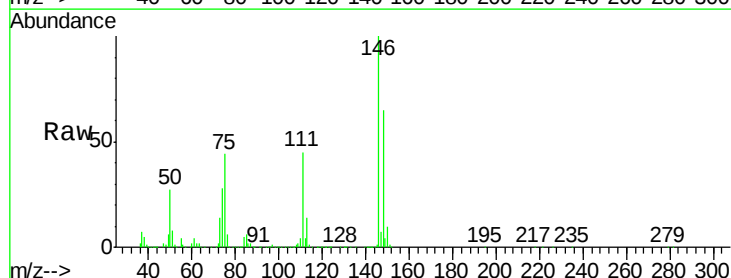
Tgt Ion:146 Resp: 1943855

Ion Ratio Lower Upper

146 100

111 45.6 22.4 67.0

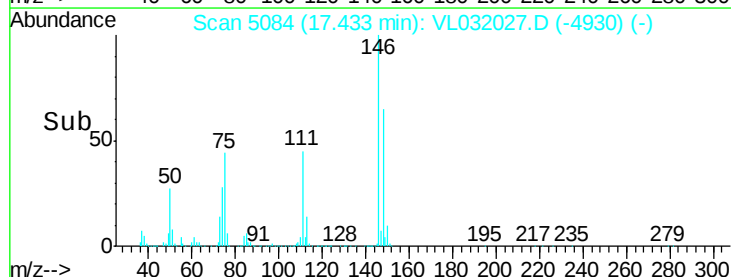
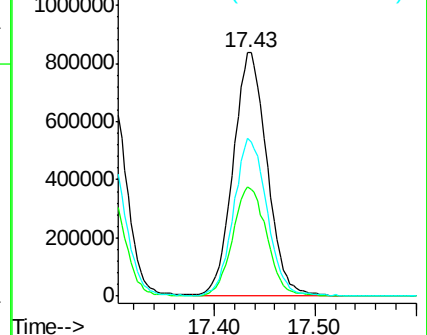
148 64.7 32.1 96.3

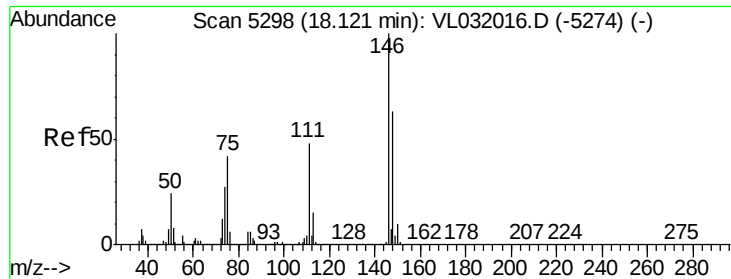


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





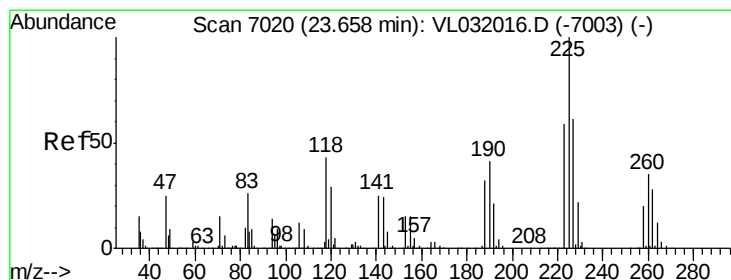
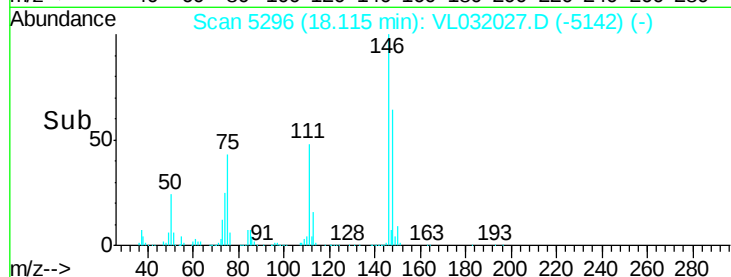
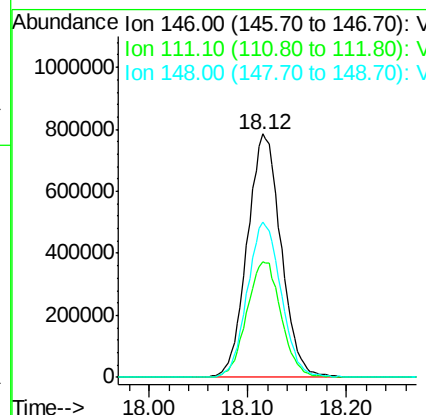
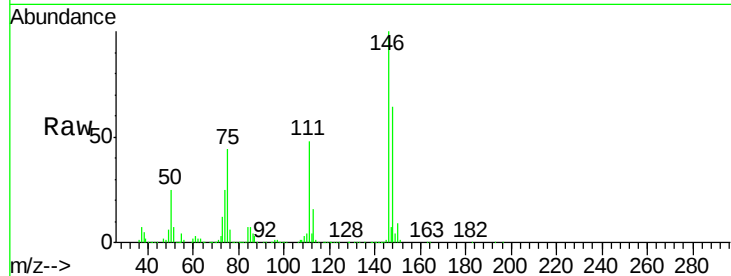
#77
 1,2-Dichlorobenzene
 Concen: 8.47 ppbv
 RT: 18.12 min Scan# 5296
 Delta R.T. -0.01 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.2	72.6
148	64.0	32.0	96.2

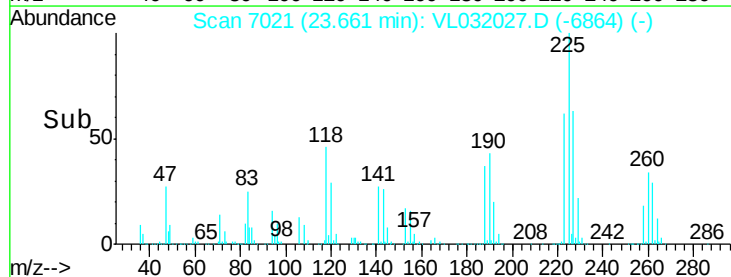
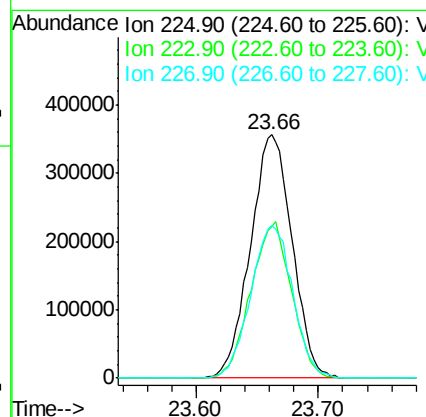
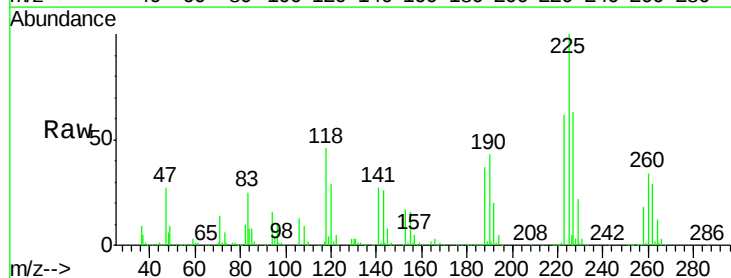
Manual Integrations
 APPROVED

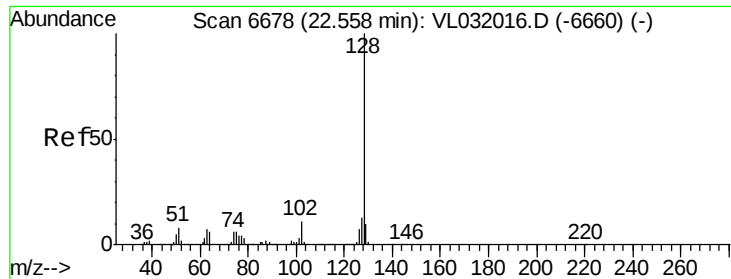
MMDadoda
 6/4/2018 3:35:46 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.70 ppbv
 RT: 23.66 min Scan# 7021
 Delta R.T. 0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.2
227	63.2	51.2	76.8





#79

Naphthalene

Concen: 15.48 ppbv

RT: 22.56 min Scan# 6678

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

Instrument :

MSVOA_L

ClientSampleId :

VL0601ABS01

Tot Ion:128 Resp: 2957338

Ion Ratio Lower Upper

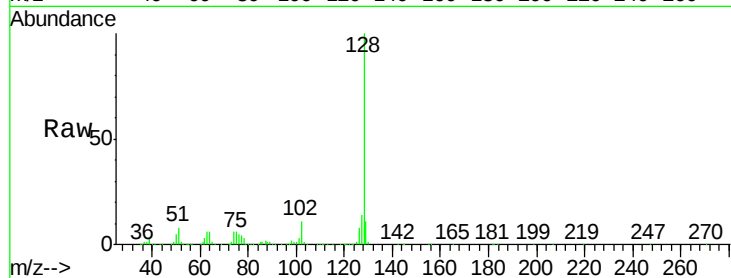
128 100

127 14.3 10.2 15.2

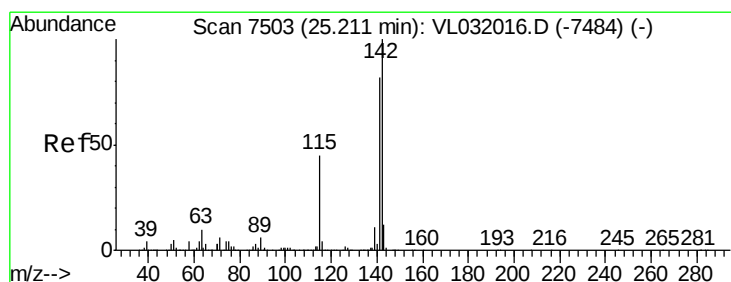
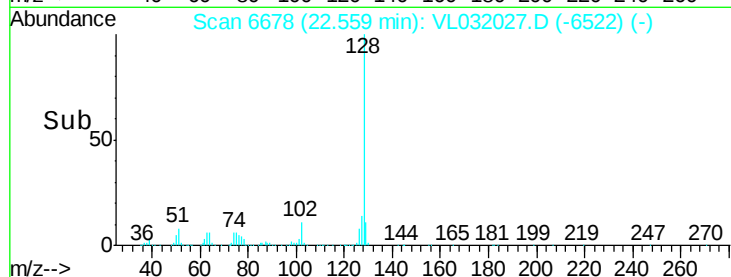
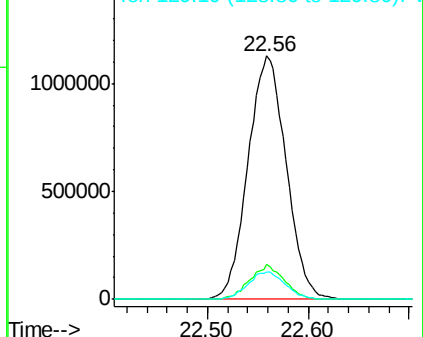
129 11.4 8.2 12.2

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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: 25.23 ppbv

RT: 25.21 min Scan# 7503

Delta R.T. 0.00 min

Lab File: VL032027.D

Acq: 1 Jun 2018 18:57

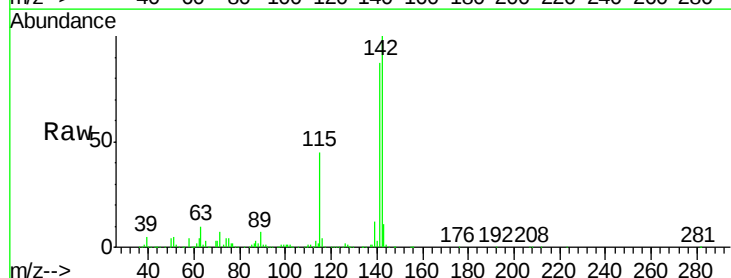
Tgt Ion:142 Resp: 1188342

Ion Ratio Lower Upper

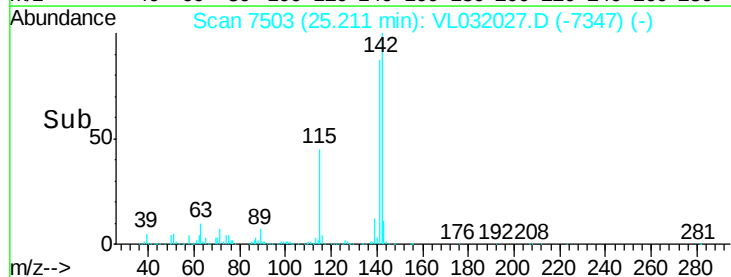
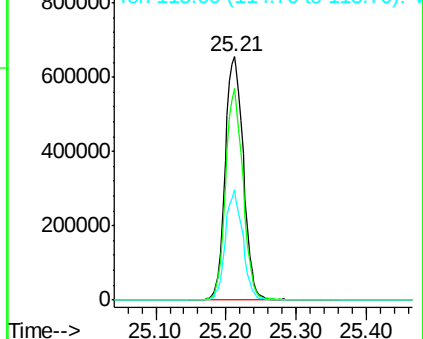
142 100

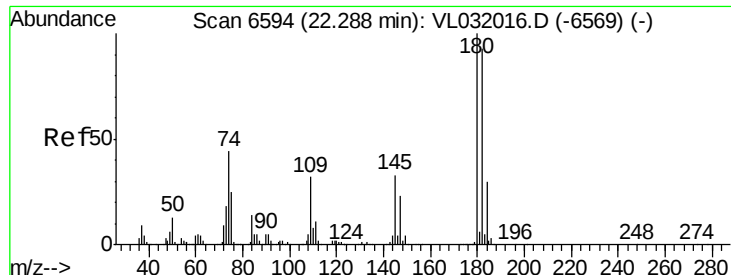
141 83.5 67.4 101.2

115 43.2 35.3 52.9



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





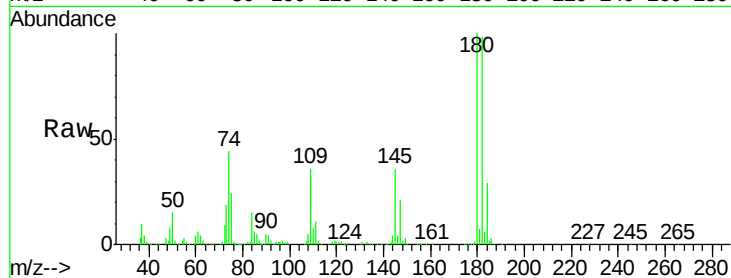
#81
 1,2,4-Trichlorobenzene
 Concen: 13.55 ppbv
 RT: 22.29 min Scan# 6593
 Delta R.T. -0.00 min
 Lab File: VL032027.D
 Acq: 1 Jun 2018 18:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.8	116.6
184	30.6	24.9	37.3

Manual Integrations
 APPROVED

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 6/4/2018 3:35:46 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

