

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031858.D
 Acq On : 12 Apr 2018 5:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV041218

Manual Integrations
 APPROVED

MMDadoda
 4/15/2018 3:06:24 PM

Quant Time: Apr 14 01:44:22 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1394895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2947375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.40	117	3096024	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.73	95	2434983	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.17	85	2153830	7.486	ppbv	99
3) Chlorodifluoromethane	3.10	51	1059378	6.530	ppbv	100
4) Chloromethane	3.26	50	639954	7.727	ppbv	96
5) Vinyl Chloride	3.39	62	691014	7.410	ppbv	95
6) Bromomethane	3.61	94	469914	7.667	ppbv	99
7) Chloroethane	3.70	64	285011	7.667	ppbv	90
8) Dichlorotetrafluoroethane	3.31	85	1802636	7.631	ppbv	99
9) Propene	3.13	41	462331	8.242	ppbv	100
10) Heptane	8.39	43	1546897	8.499	ppbv	99
11) Trichlorofluoromethane	4.11	101	2331537	8.266	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.67	101	1487780	8.117	ppbv	100
13) Ethanol	3.76	45	118245	6.211	ppbv	98
14) Bromoethene	3.89	108	617546	8.934	ppbv	98
15) Acetone	4.01	43	1534343	7.147	ppbv	97
16) 1,3-Butadiene	3.46	39	673786	8.482	ppbv	99
17) tert-Butyl alcohol	4.47	59	611277	6.890	ppbv	98
18) 1,1-Dichloroethene	4.46	96	674896	8.571	ppbv	93
19) Isopropyl Alcohol	4.13	45	942841	7.863	ppbv	100
20) Methylene Chloride	4.52	84	615078	7.866	ppbv	93
21) Allyl Chloride	4.59	41	1051465	8.573	ppbv	99
22) trans-1,2-Dichloroethene	5.08	96	698698	8.560	ppbv	94
23) Vinyl Acetate	5.28	43	1912594	8.785	ppbv	99
24) 1,1-Dichloroethane	5.22	63	1796936	8.285	ppbv	99
25) Ethyl Acetate	5.90	43	2827136	8.443	ppbv	99
26) Hexane	5.91	57	1347123	8.629	ppbv	99
27) Carbon Disulfide	4.74	76	1817105	8.966	ppbv	100
28) Methyl tert-Butyl Ether	5.24	73	1703983	8.870	ppbv	99
29) Chloroform	5.98	83	2161750	8.169	ppbv	97
30) Cyclohexane	7.39	84	963647	8.644	ppbv	100
31) cis-1,2-Dichloroethene	5.77	61	1245130	8.805	ppbv	97
32) 1,1,1-Trichloroethane	6.76	97	1984375	7.699	ppbv	99
34) 2-Butanone	5.45	43	1785952	8.735	ppbv	99
35) Carbon Tetrachloride	7.28	117	2041536	7.975	ppbv	100
36) Benzene	7.14	78	2325473	8.772	ppbv	98
37) 1,2-Dichloroethane	6.55	62	1642039	8.325	ppbv	99
38) Trichloroethene	8.11	130	926320	8.608	ppbv	99
39) 1,2-Dichloropropane	7.88	63	841789	8.542	ppbv	97
40) 1,4-Dioxane	8.10	88	347079	8.677	ppbv	86
41) Tetrahydrofuran	6.28	42	922352	9.746	ppbv	99
42) Bromodichloromethane	8.06	83	2053740	8.702	ppbv	100
43) Methyl Methacrylate	8.28	69	868391	9.309	ppbv	98

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Quant Time: Apr 14 01:44:22 2018
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	3989559	8.738	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1221184	10.093	ppbv	95
46) cis-1,3-Dichloropropene	8.98	75	1491998	9.648	ppbv	95
47) 1,1,2-Trichloroethane	9.76	97	992370	8.472	ppbv	97
48) Dibromochloromethane	10.60	129	1707084	9.018	ppbv	100
49) Bromoform	13.36	173	1318005	9.044	ppbv	99
50) 4-Methyl-2-Pentanone	9.01	43	2053464	8.775	ppbv	100
51) 2-Hexanone	10.42	43	1835860	8.975	ppbv #	100
52) Tetrachloroethene	11.52	164	876095	8.482	ppbv	97
53) Toluene	10.10	91	2799335	9.469	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1508627	8.873	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.43	131	1178260	8.087	ppbv	97
57) Chlorobenzene	12.46	112	2100841	8.004	ppbv	99
58) Ethyl Benzene	13.02	91	3878081	9.019	ppbv	99
59) m/p-Xylene	13.30	91	6354033m	17.020	ppbv	
60) o-Xylene	14.00	91	3260800	8.738	ppbv	100
61) Styrene	13.84	104	729837	10.271	ppbv	100
62) Isopropylbenzene	14.98	105	4142963	8.644	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.99	83	2166378	7.551	ppbv	99
64) n-propylbenzene	15.87	120	1019114	8.746	ppbv	99
65) tert-Butylbenzene	17.06	119	3486857	8.458	ppbv	100
66) Benzyl Chloride	17.31	91	384076	10.340	ppbv	99
67) sec-Butylbenzene	17.61	105	4936765	8.313	ppbv	99
69) p-Isopropyltoluene	17.96	119	3901397	8.475	ppbv	100
70) n-Butylbenzene	18.86	91	3953088	8.246	ppbv	99
71) 2-Chlorotoluene	15.77	91	3073928	8.870	ppbv	100
72) 4-Ethyltoluene	16.15	105	3314206	8.691	ppbv	99
73) 1,3,5-Trimethylbenzene	16.31	105	3006159	8.611	ppbv	98
74) 1,2,4-Trimethylbenzene	17.08	105	3141934	8.063	ppbv	93
75) 1,3-Dichlorobenzene	17.32	146	1861251	7.788	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	1887549	8.141	ppbv	100
77) 1,2-Dichlorobenzene	18.14	146	1886088	8.015	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	571067	6.319	ppbv	98
79) Naphthalene	22.59	128	1847448	8.423	ppbv	97
80) Naphthalene, 2-methyl-	25.23	142	248075	5.794	ppbv	97
81) 1,2,4-Trichlorobenzene	22.32	180	914952	7.518	ppbv	99

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

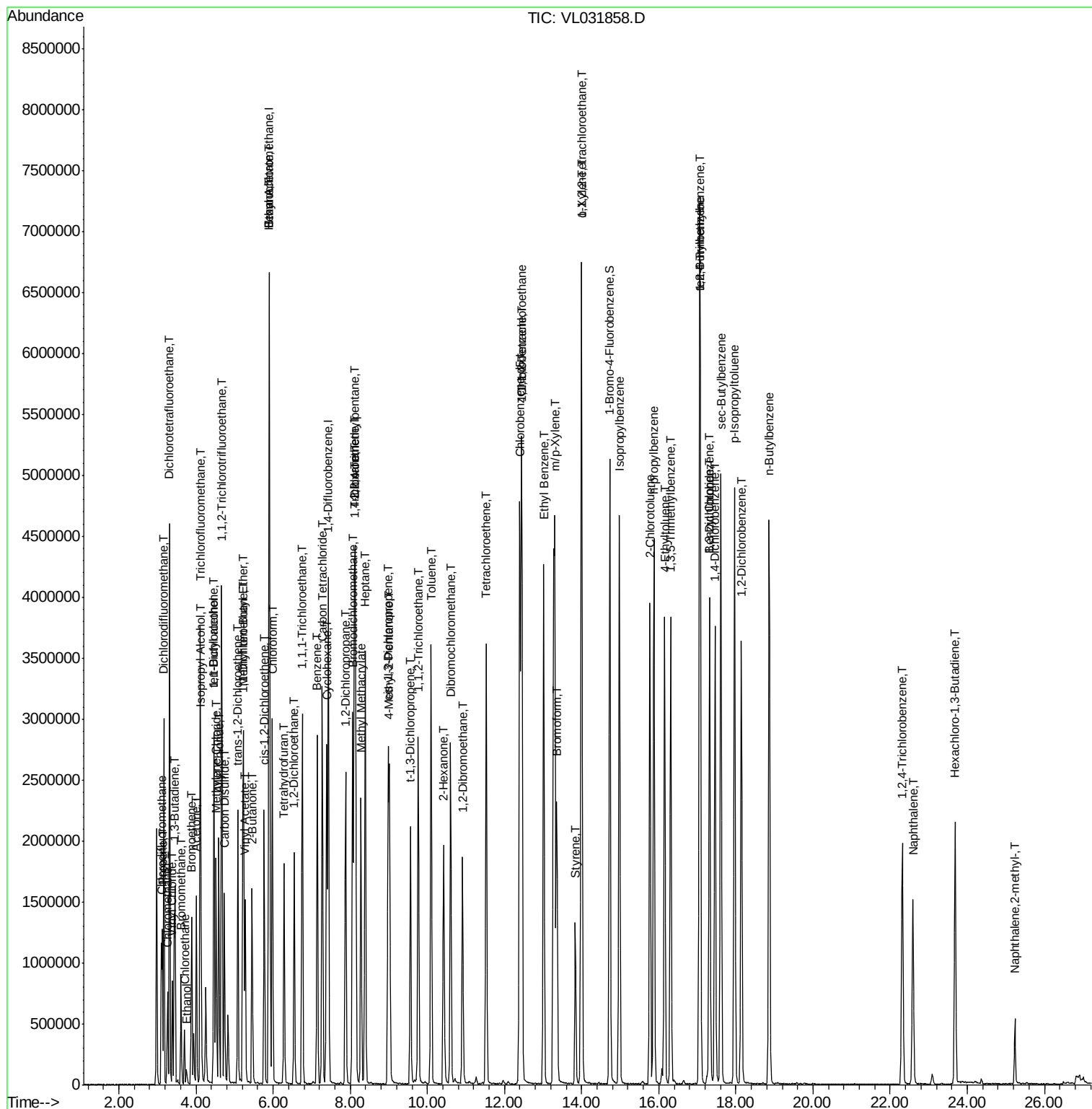
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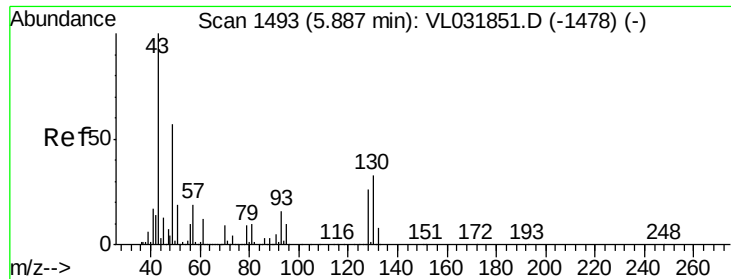
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

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4/15/2018 3:06:24 PM

Quant Time: Apr 14 01:44:22 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.89 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 49 Resp: 1394895

Ion Ratio Lower Upper

49 100

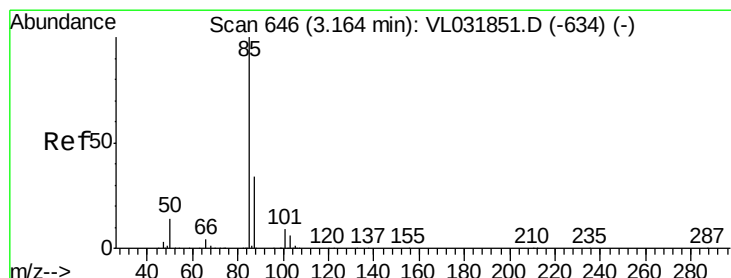
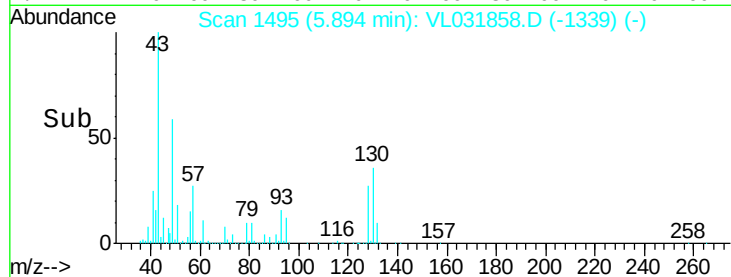
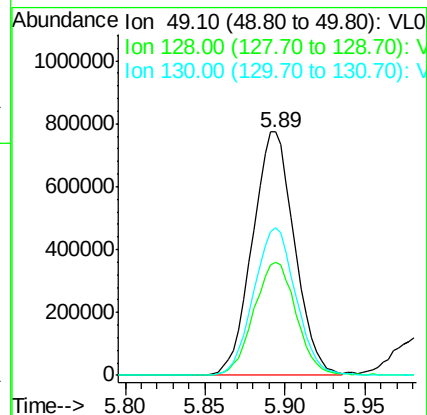
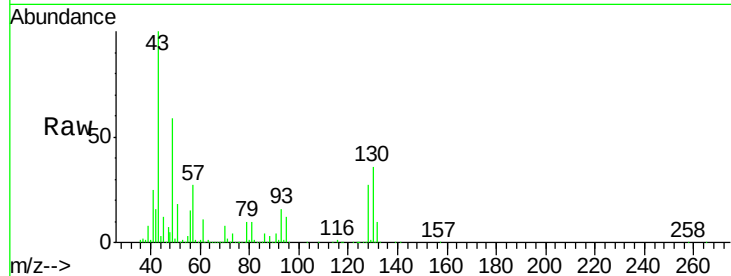
128 47.0 23.9 71.7

130 61.1 30.9 92.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.486 ppbv

RT: 3.17 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL031858.D

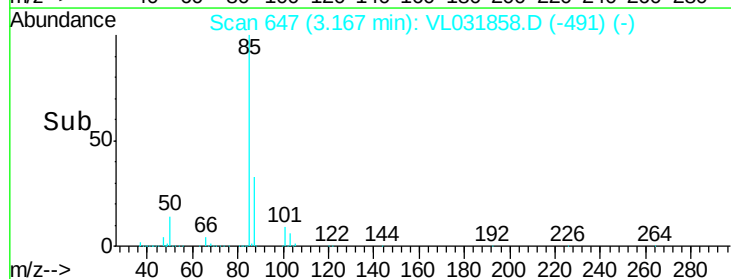
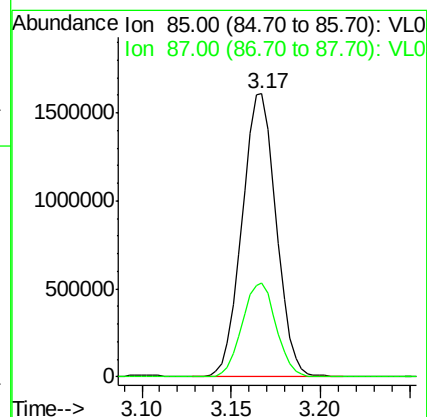
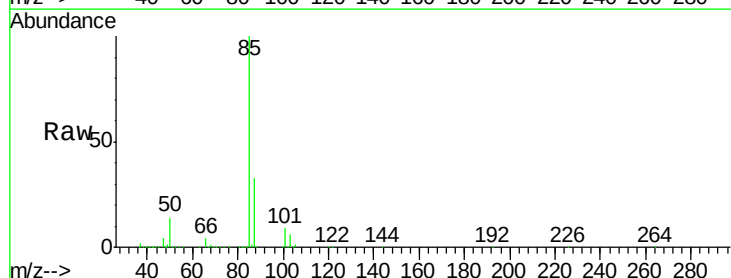
Acq: 12 Apr 2018 5:26

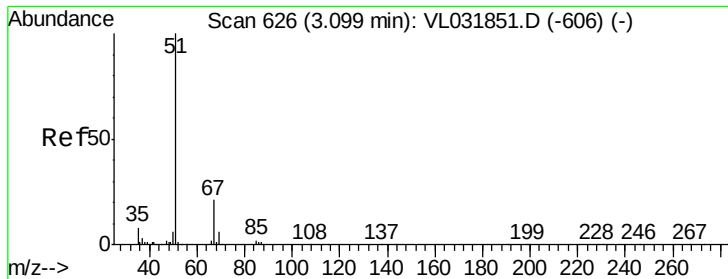
Tgt Ion: 85 Resp: 2153830

Ion Ratio Lower Upper

85 100

87 33.0 25.9 38.9





#3

Chlorodifluoromethane

Concen: 6.530 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tot Ion: 51 Resp: 1059378

Ion Ratio Lower Upper

51 100

67 22.0 17.5 26.3

Instrument :

MSVOA_L

ClientSampleId :

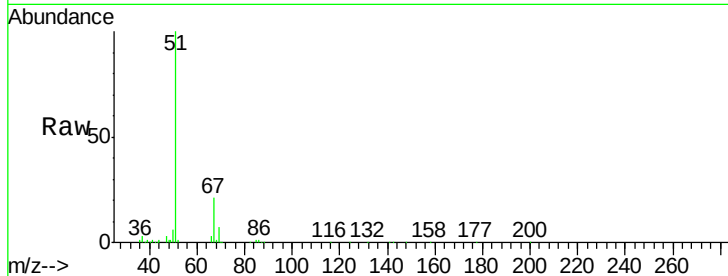
ICVVL041218

Manual Integrations

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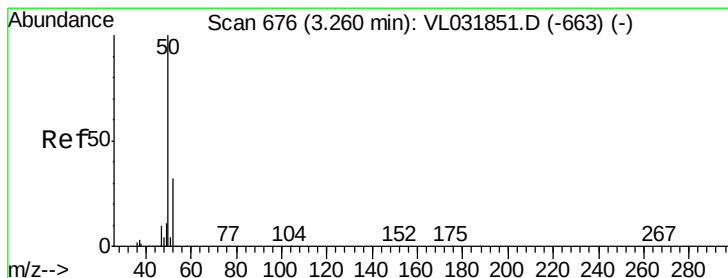
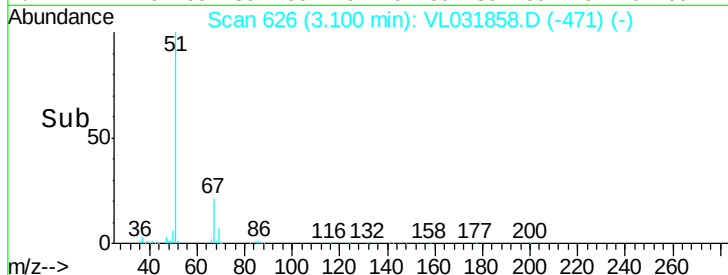
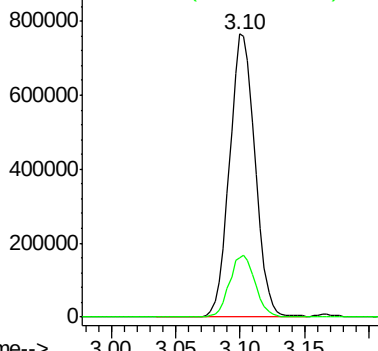
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.727 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031858.D

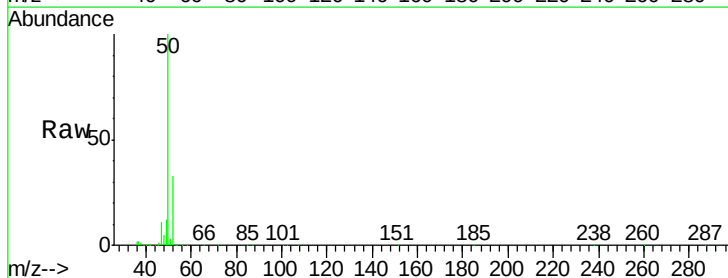
Acq: 12 Apr 2018 5:26

Tgt Ion: 50 Resp: 639954

Ion Ratio Lower Upper

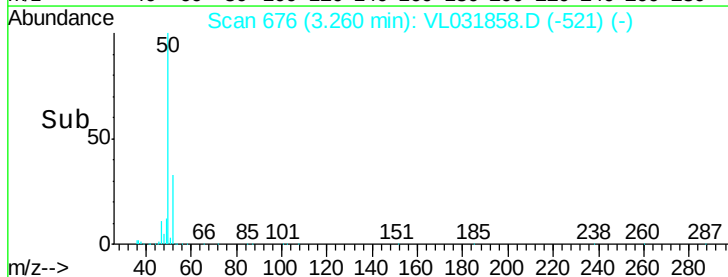
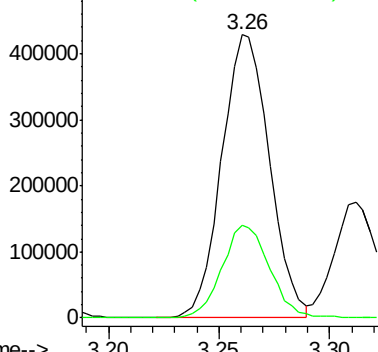
50 100

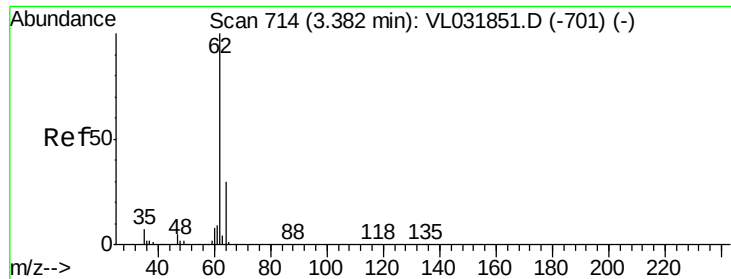
52 32.7 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.410 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 62 Resp: 691014

Ion Ratio Lower Upper

62 100

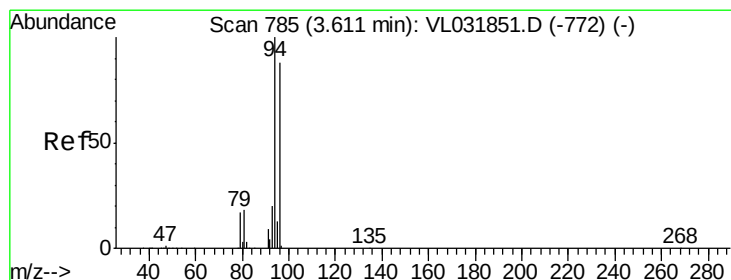
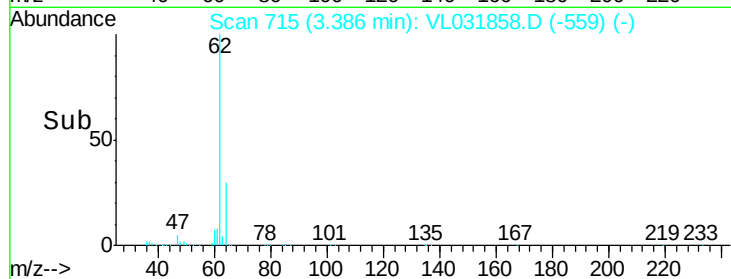
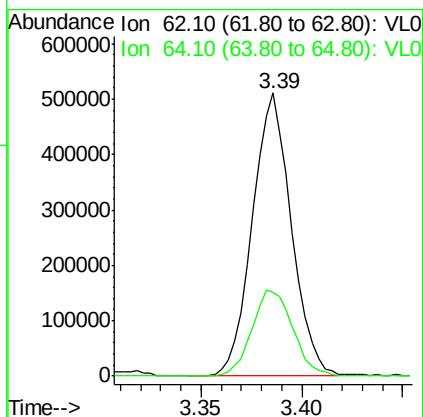
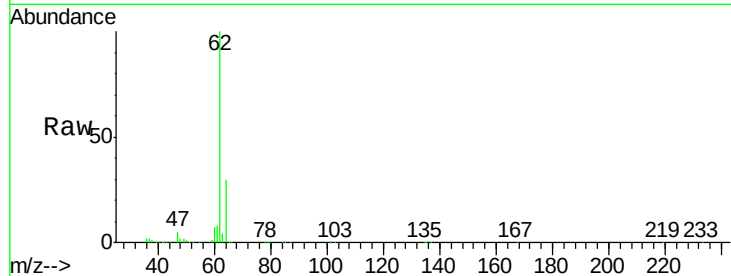
64 29.8 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 7.667 ppbv

RT: 3.61 min Scan# 786

Delta R.T. 0.00 min

Lab File: VL031858.D

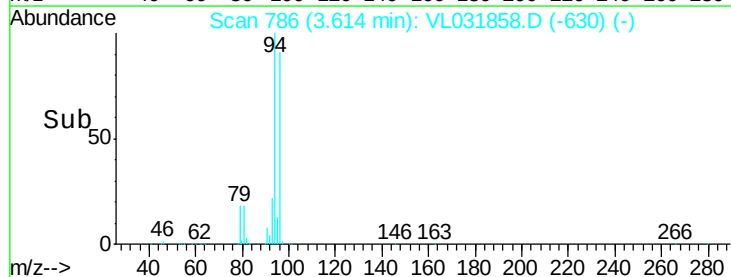
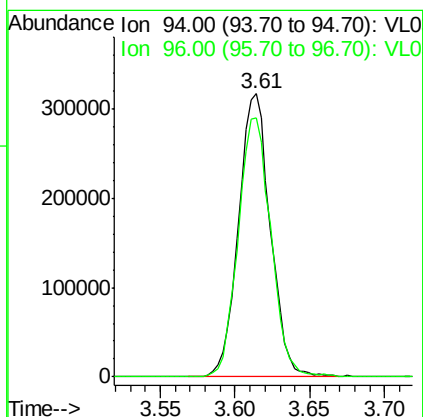
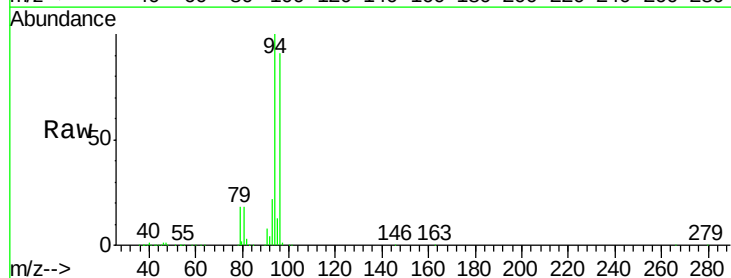
Acq: 12 Apr 2018 5:26

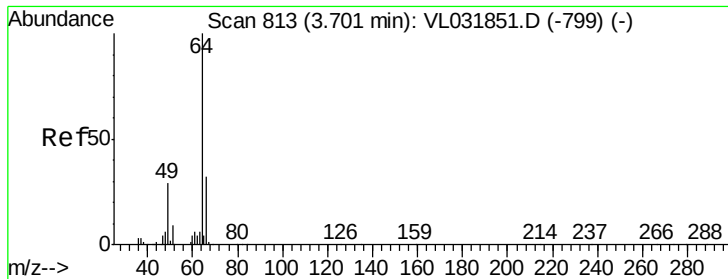
Tgt Ion: 94 Resp: 469914

Ion Ratio Lower Upper

94 100

96 91.3 73.8 110.6





#7

Chloroethane

Concen: 7.667 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 64 Resp: 285011

Ion Ratio Lower Upper

64 100

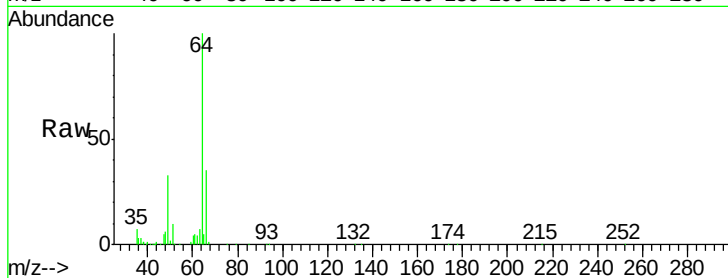
66 34.7 23.4 35.0

Manual Integrations

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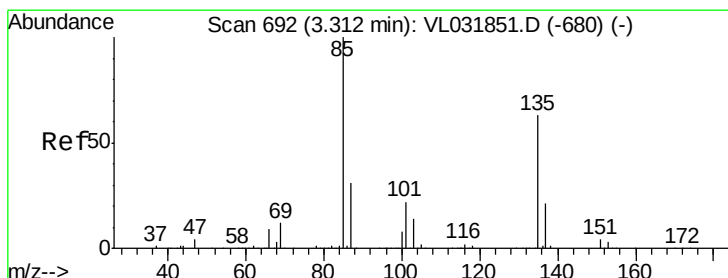
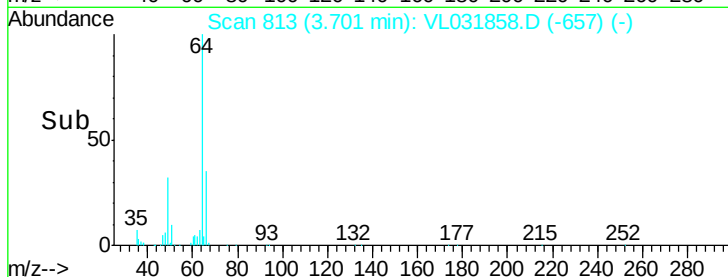
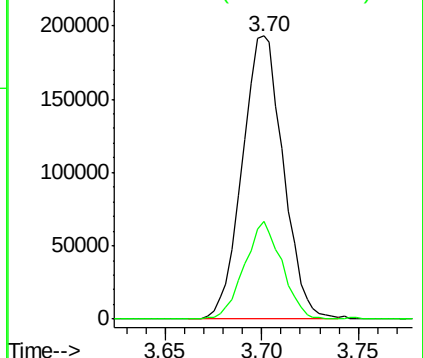
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 7.631 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031858.D

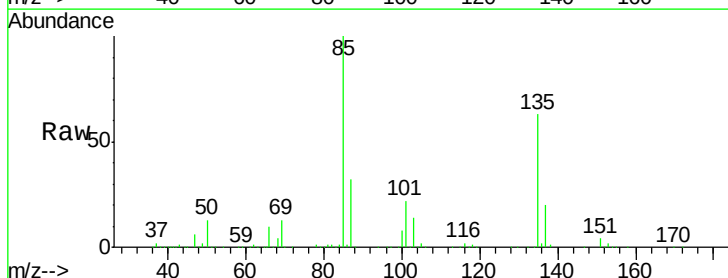
Acq: 12 Apr 2018 5:26

Tgt Ion: 85 Resp: 1802636

Ion Ratio Lower Upper

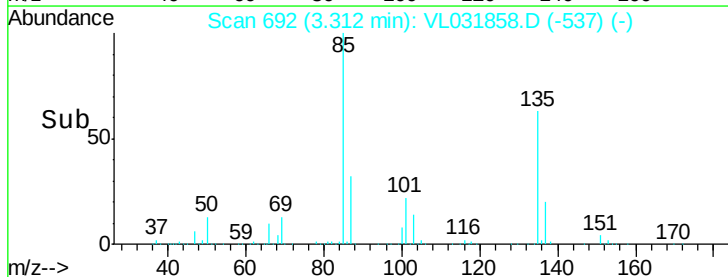
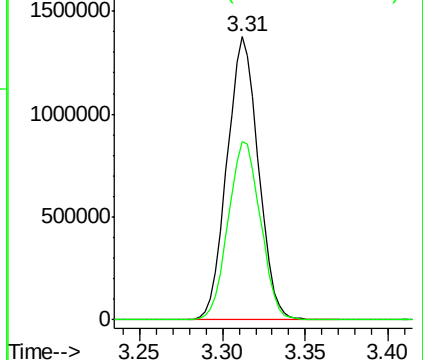
85 100

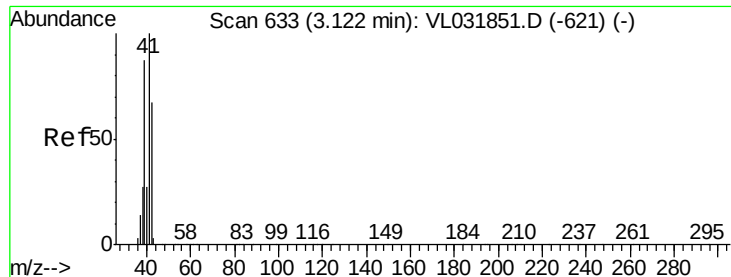
135 65.1 52.7 79.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 8.242 ppbv

RT: 3.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 41 Resp: 462331

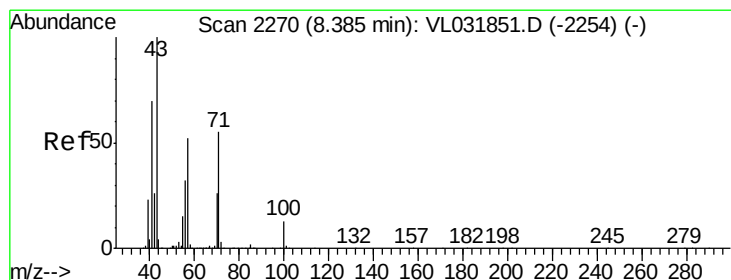
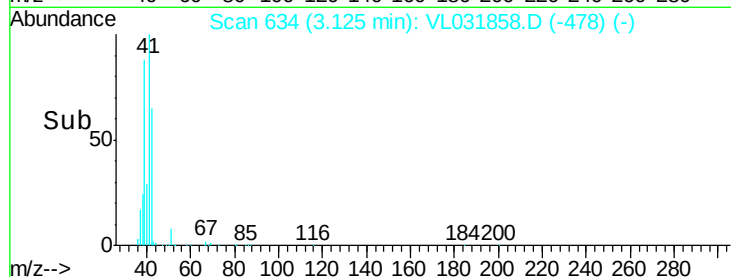
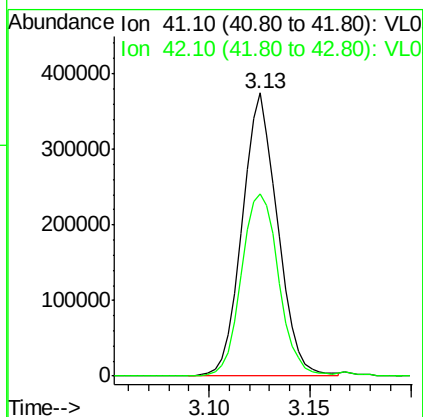
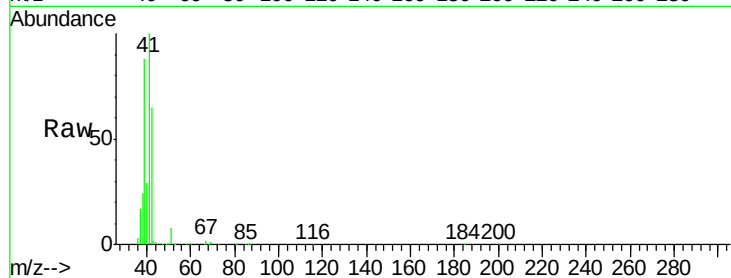
Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4

Manual Integrations
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#10

Heptane

Concen: 8.499 ppbv

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VL031858.D

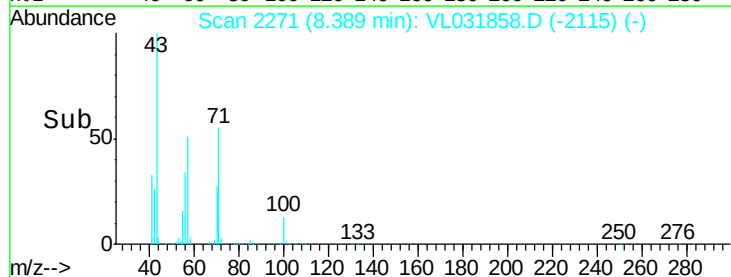
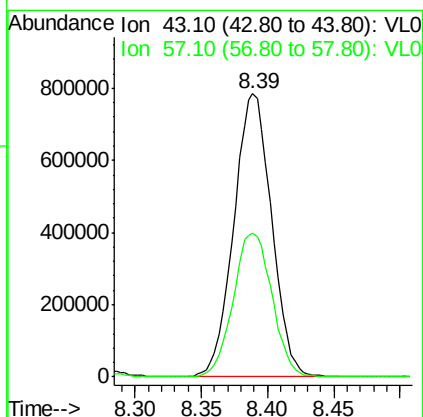
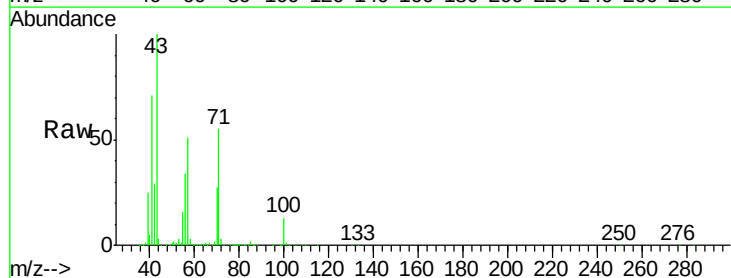
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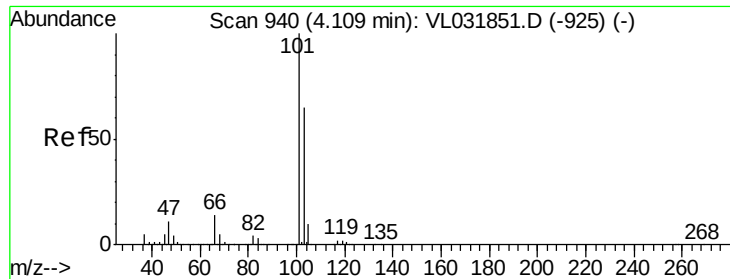
Tgt Ion: 43 Resp: 1546897

Ion Ratio Lower Upper

43 100

57 52.4 41.5 62.3





#11

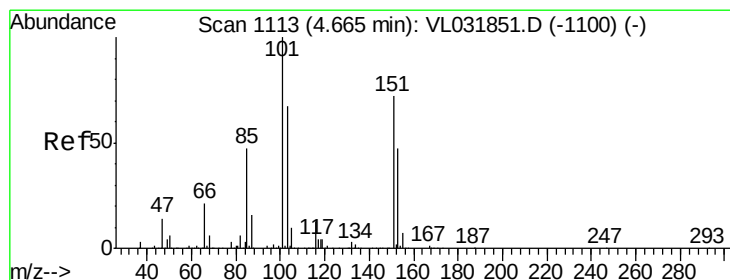
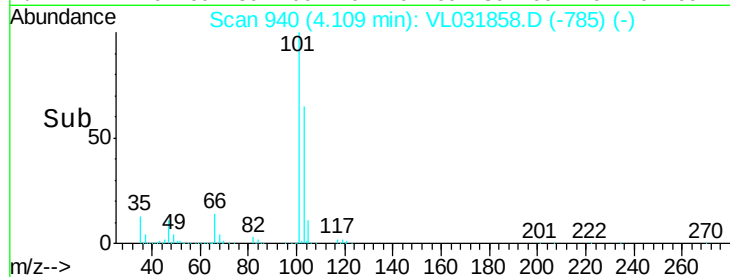
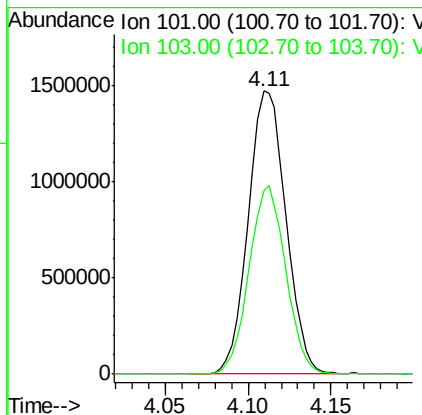
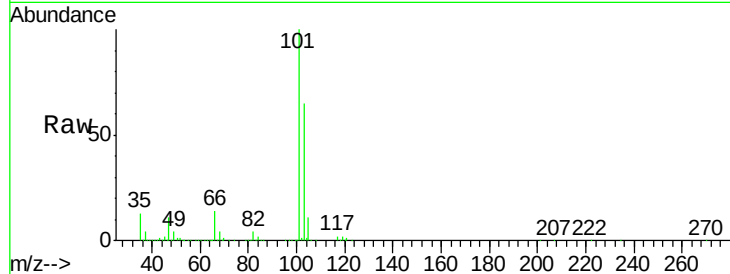
Trichlorofluoromethane
Concen: 8.266 ppbv
RT: 4.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion:101 Resp: 2331537
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

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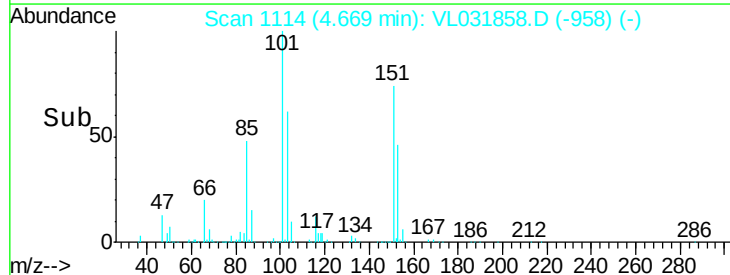
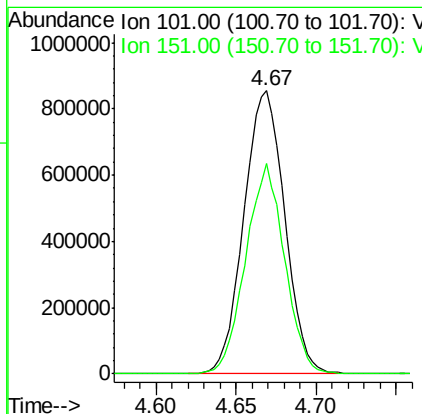
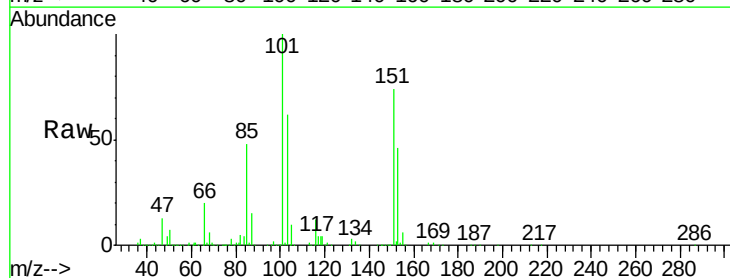
MMDadoda
4/15/2018 3:06:24 PM

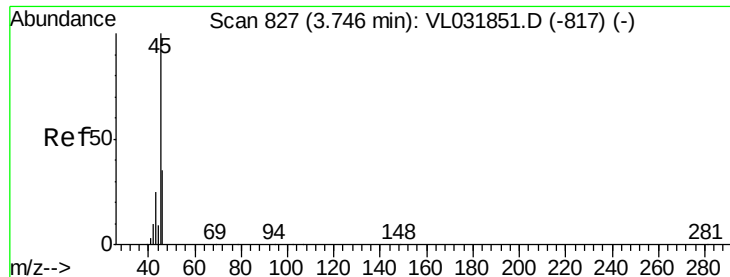


#12

1,1,2-Trichlorotrifluoroethane
Concen: 8.117 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion:101 Resp: 1487780
Ion Ratio Lower Upper
101 100
151 71.1 57.0 85.6





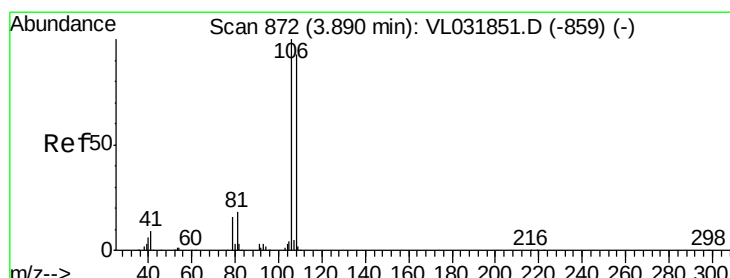
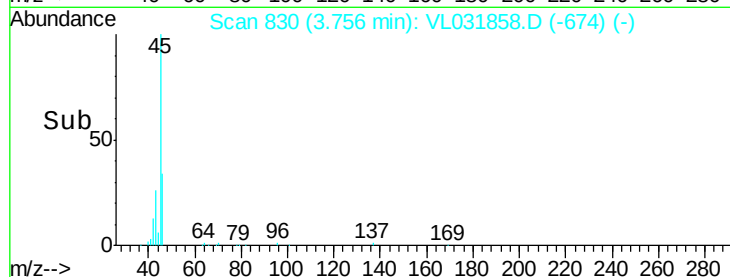
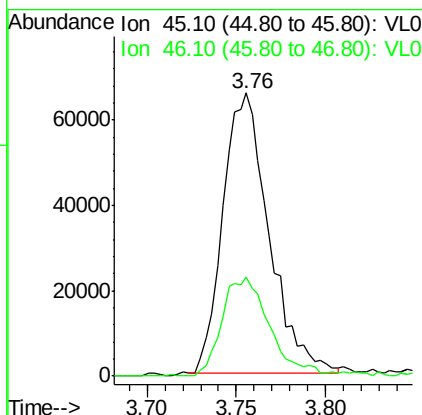
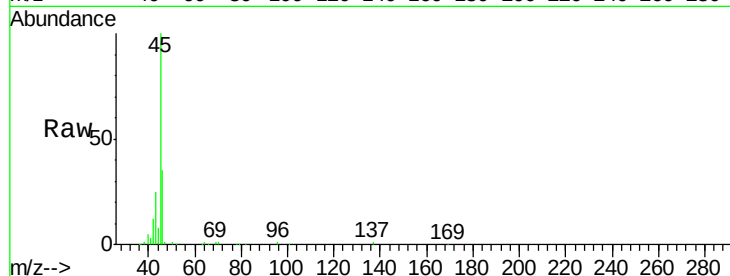
#13
Ethanol
Concen: 6.211 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion	45	46	Ratio	Lower	Upper	Resp
118245	100	37.9		14.6	58.6	

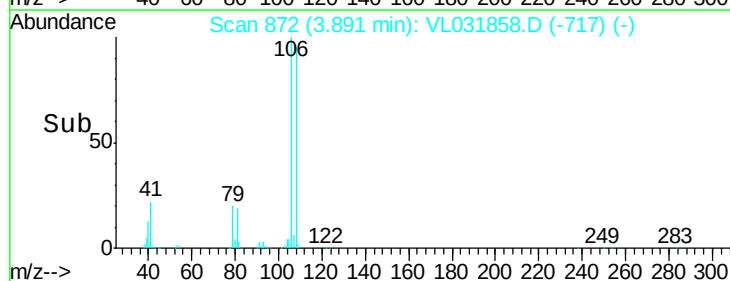
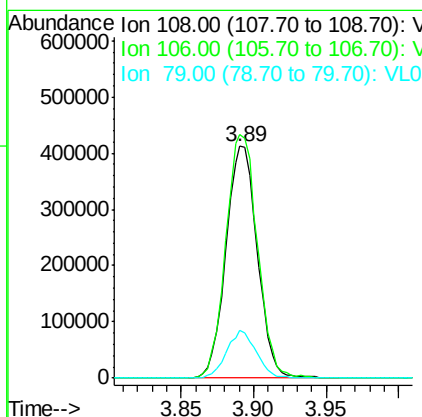
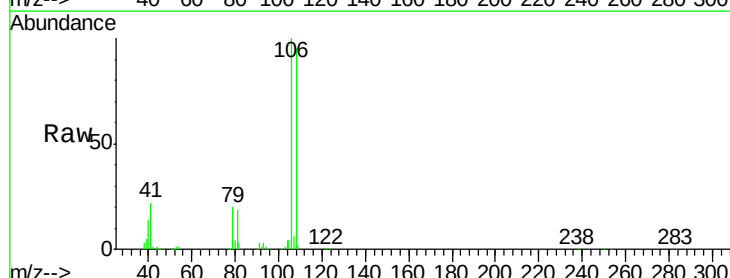
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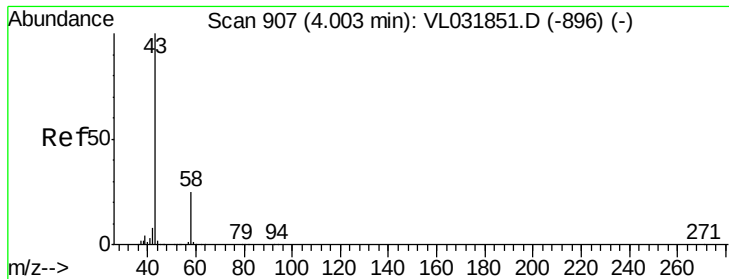
MMDadoda
4/15/2018 3:06:24 PM



#14
Bromoethene
Concen: 8.934 ppbv
RT: 3.89 min Scan# 872
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion	108	106	79	Ratio	Lower	Upper	Resp
617546	100	106.5	19.9		86.6	130.0	





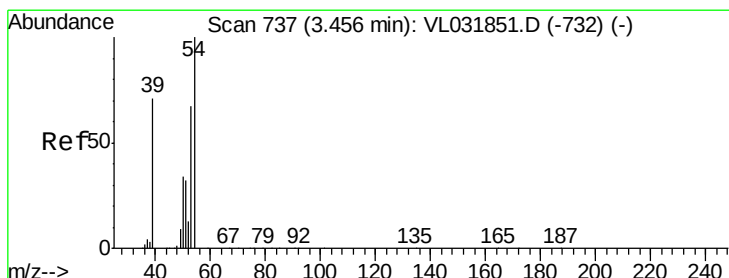
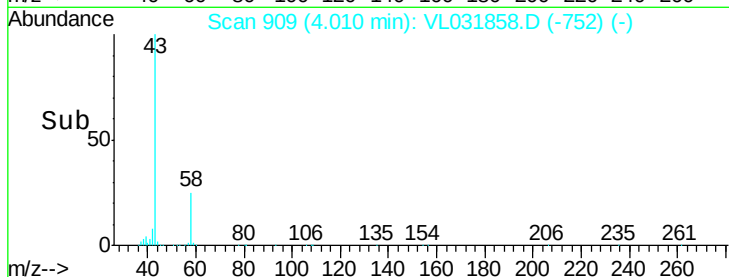
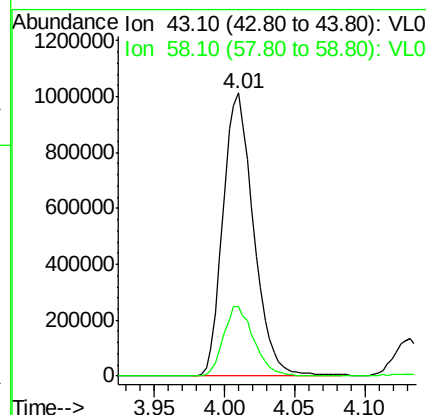
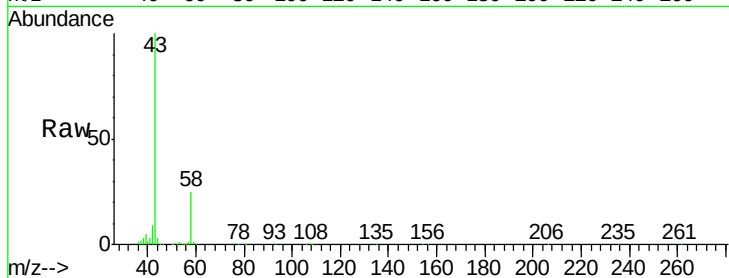
#15
Acetone
Concen: 7.147 ppbv
RT: 4.01 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 43 Resp: 1534343
Ion Ratio Lower Upper
43 100
58 24.4 20.9 31.3

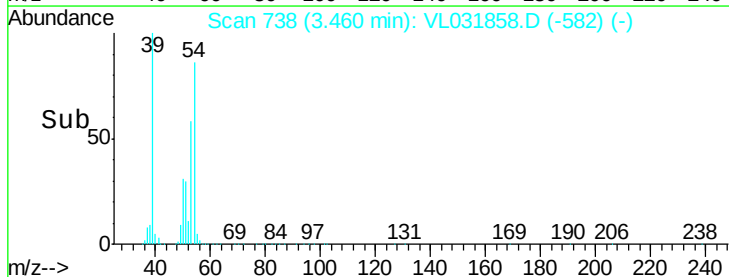
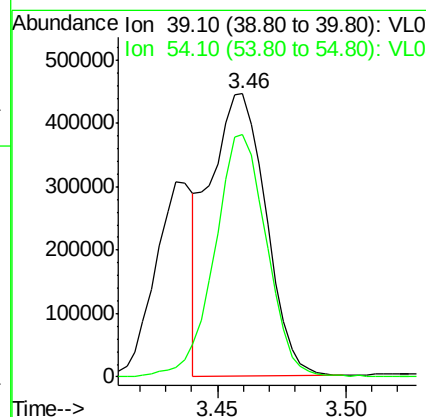
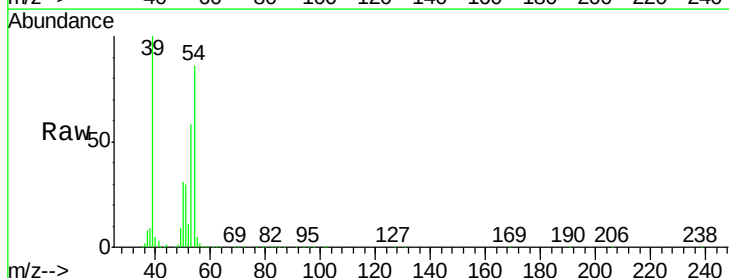
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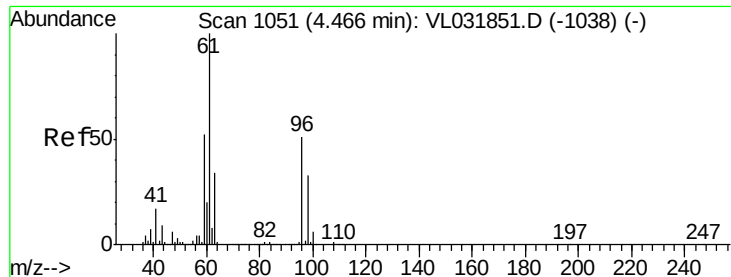
MMDadoda
4/15/2018 3:06:24 PM



#16
1,3-Butadiene
Concen: 8.482 ppbv
RT: 3.46 min Scan# 738
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 39 Resp: 673786
Ion Ratio Lower Upper
39 100
54 80.0 63.3 94.9





#17

tert-Butyl alcohol

Concen: 6.890 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 59 Resp: 611277

Ion Ratio Lower Upper

59 100

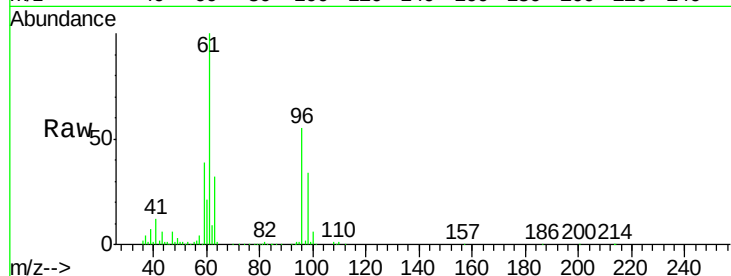
57 9.8 8.5 12.7

Manual Integrations

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MMDadoda

4/15/2018 3:06:24 PM



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.47

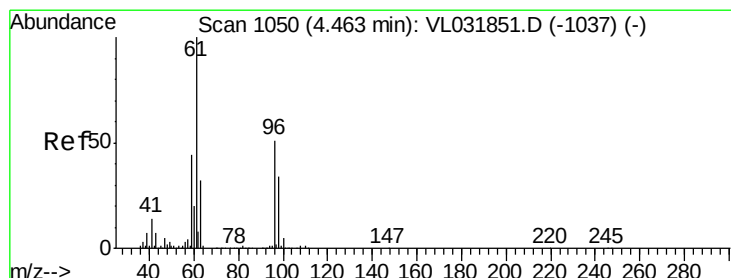
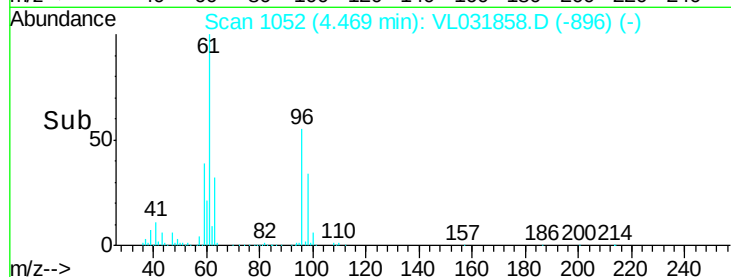
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.571 ppbv

RT: 4.46 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

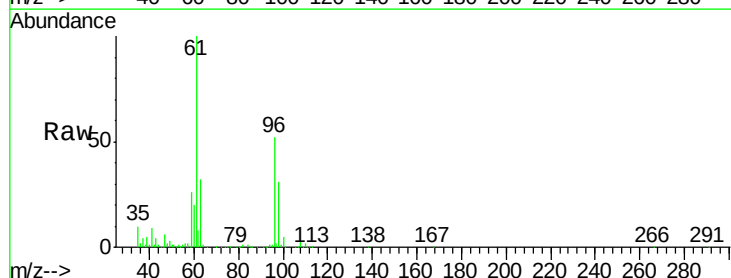
Tgt Ion: 96 Resp: 674896

Ion Ratio Lower Upper

96 100

61 191.6 161.0 241.6

98 60.0 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.46

1000000

800000

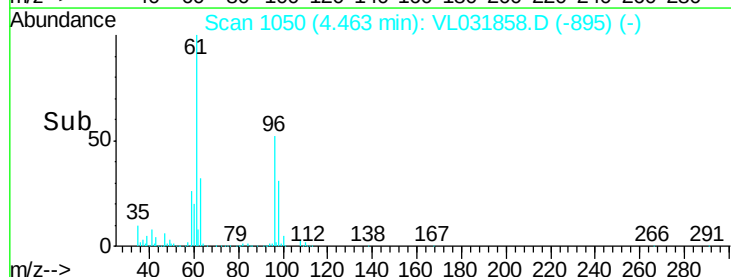
600000

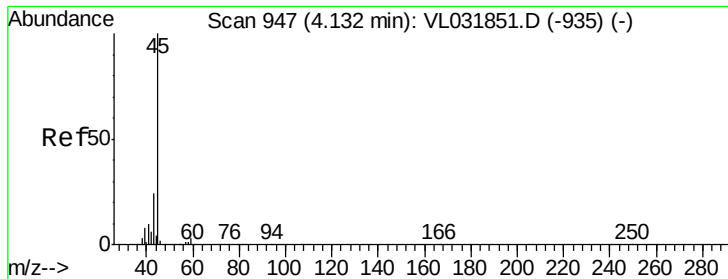
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.863 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 45 Resp: 942841

Ion Ratio Lower Upper

45 100

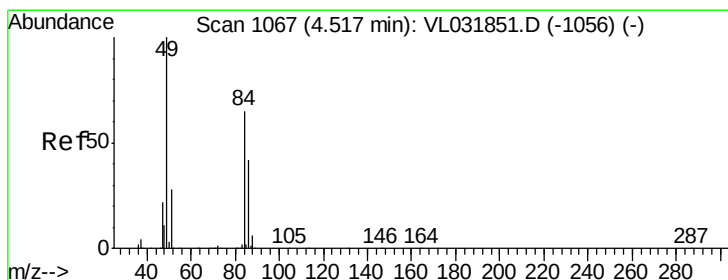
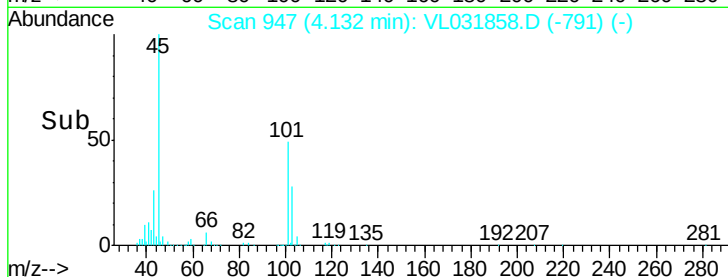
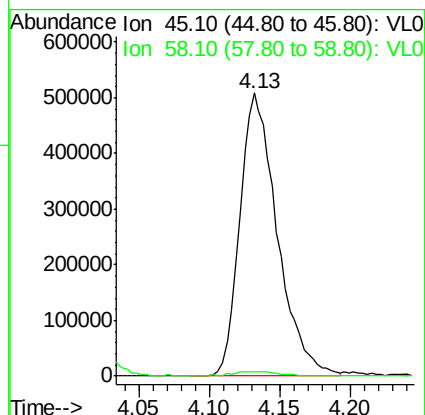
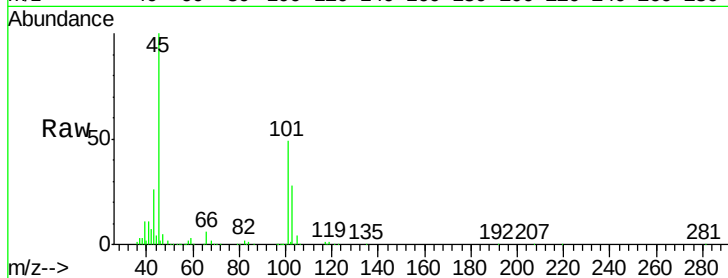
58 2.2 1.7 2.5

Manual Integrations

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MMDadoda

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#20

Methylene Chloride

Concen: 7.866 ppbv

RT: 4.52 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 84 Resp: 615078

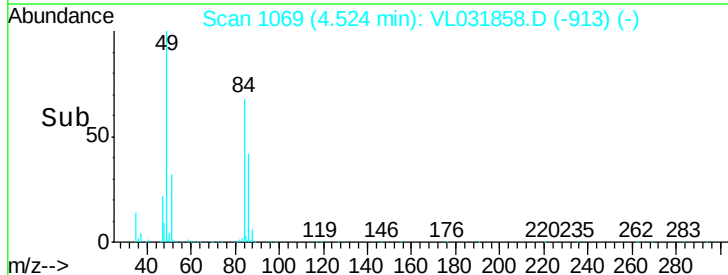
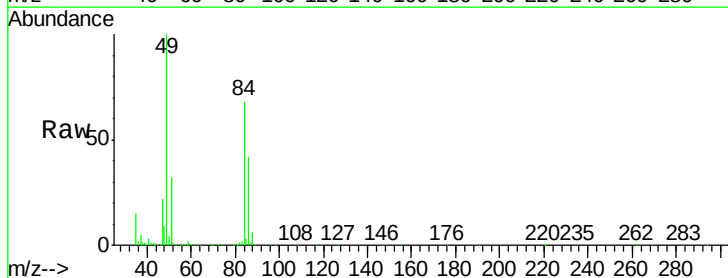
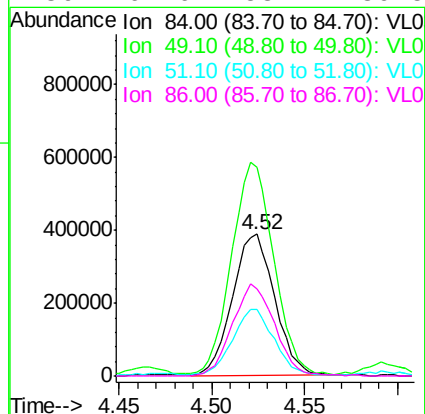
Ion Ratio Lower Upper

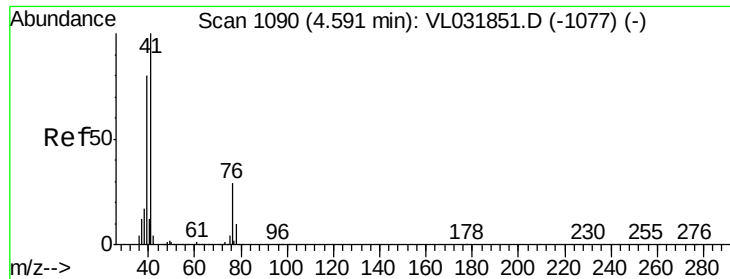
84 100

49 146.9 125.6 188.4

51 46.8 36.4 54.6

86 61.6 53.7 80.5





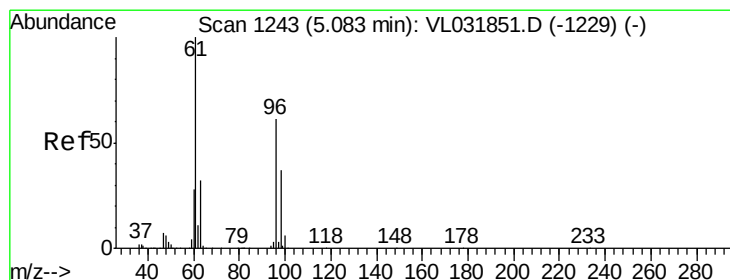
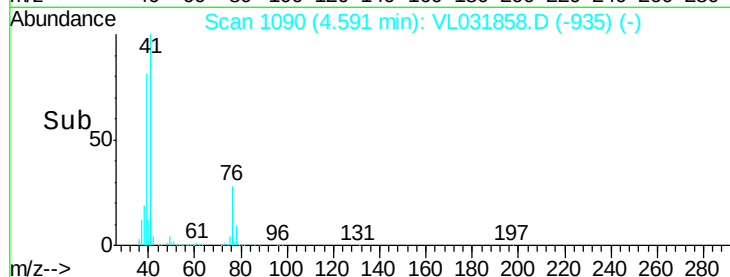
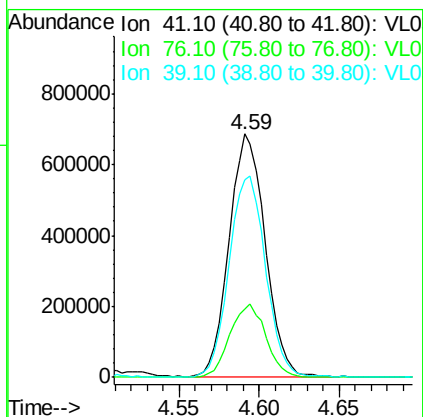
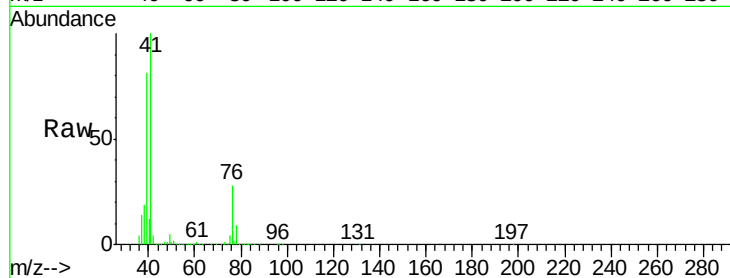
#21
Allvl Chloride
Concen: 8.573 ppbv
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 41 Resp: 1051465
Ion Ratio Lower Upper
41 100
76 30.0 23.4 35.2
39 84.1 67.6 101.4

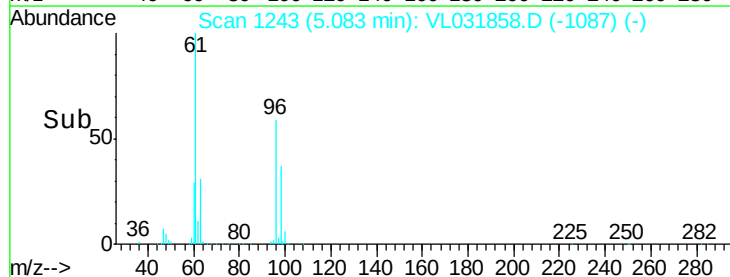
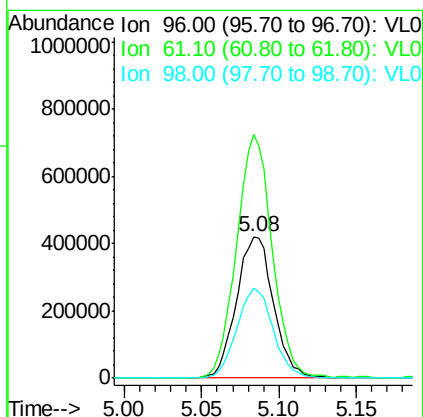
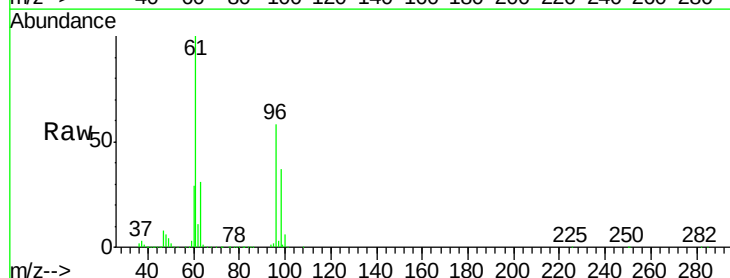
Manual Integrations
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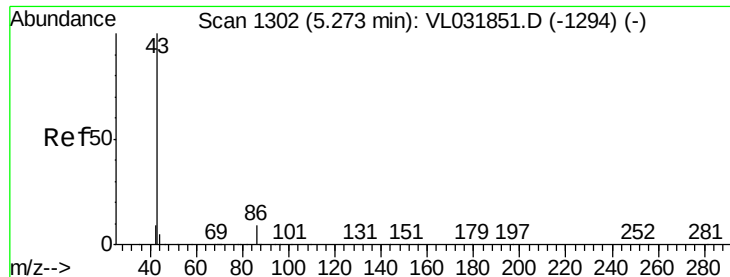
MMDadoda
4/15/2018 3:06:24 PM



#22
trans-1,2-Dichloroethene
Concen: 8.560 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 96 Resp: 698698
Ion Ratio Lower Upper
96 100
61 171.8 131.1 196.7
98 63.1 47.6 71.4





#23

Vinyl Acetate

Concen: 8.785 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 43 Resp: 1912594

Ion Ratio Lower Upper

43 100

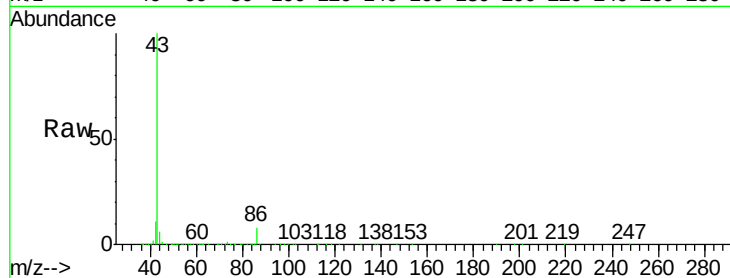
86 7.6 5.8 8.8

42 10.4 8.5 12.7

44 5.4 4.2 6.4

Manual Integrations
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MMDadoda
4/15/2018 3:06:24 PM

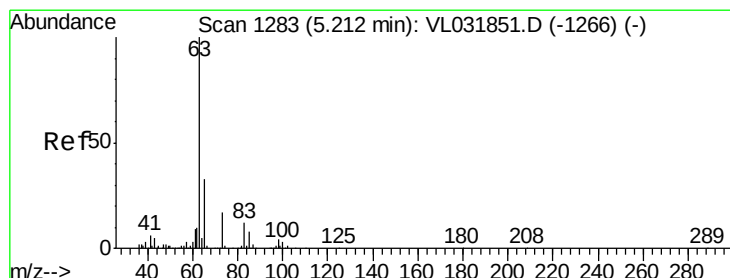
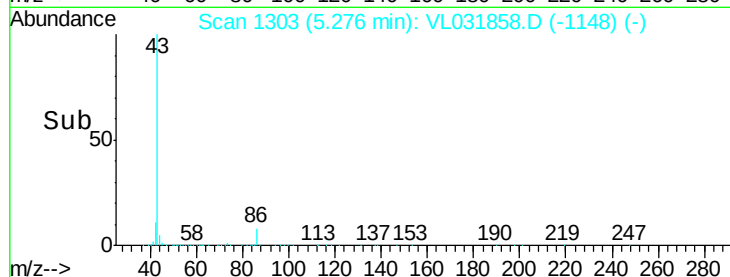
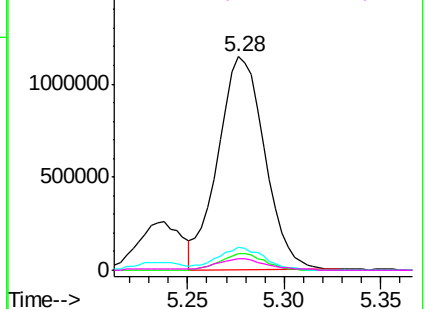


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.285 ppbv

RT: 5.22 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

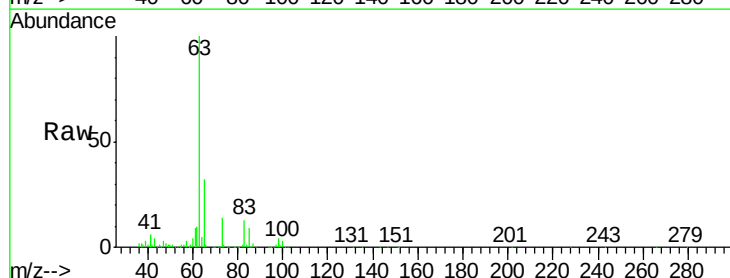
Tgt Ion: 63 Resp: 1796936

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.2

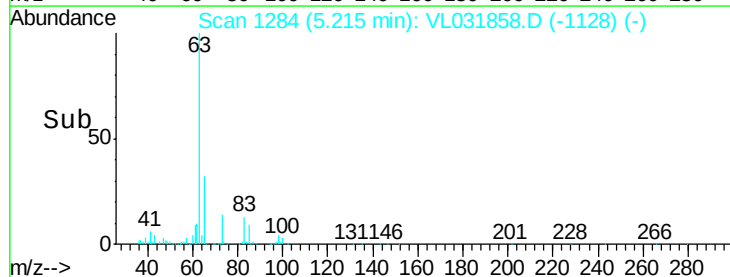
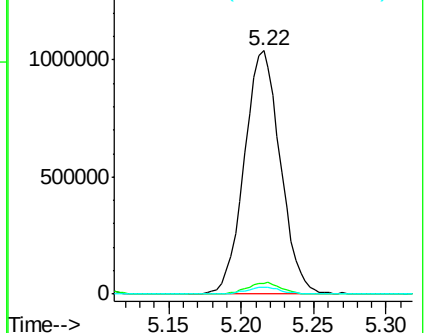
100 2.7 1.5 4.4

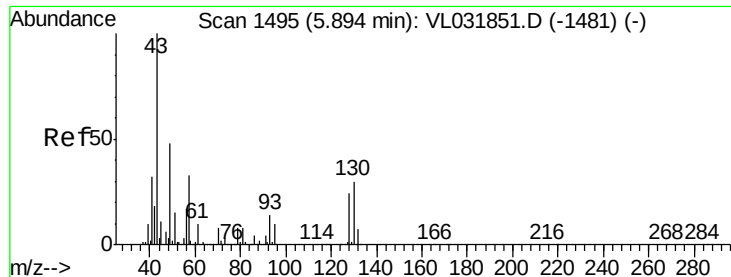


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.443 ppbv

RT: 5.90 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 43 Resp: 2827136

Ion Ratio Lower Upper

43 100

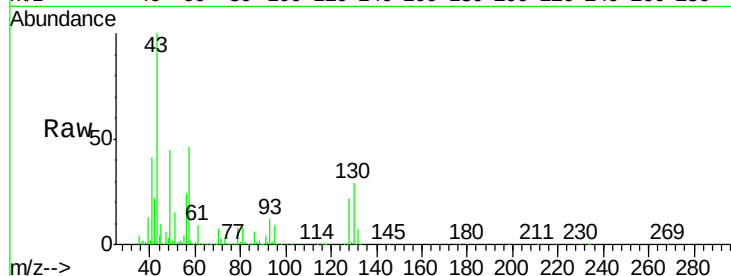
45 9.4 7.8 11.8

61 9.3 7.2 10.8

70 7.1 5.8 8.8

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4/15/2018 3:06:24 PM



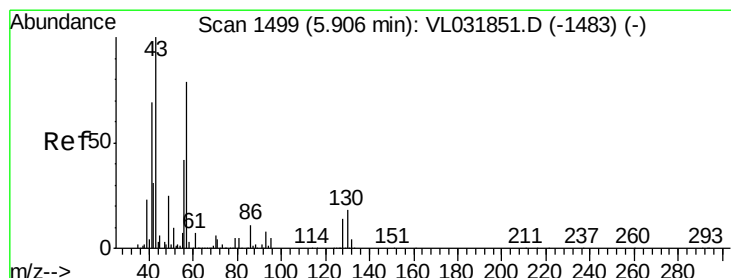
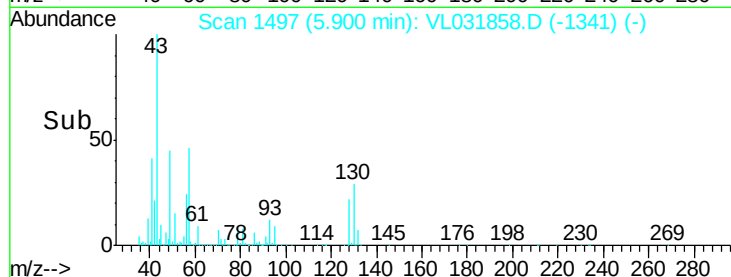
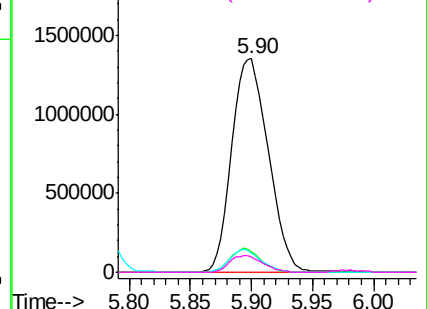
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.629 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 57 Resp: 1347123

Ion Ratio Lower Upper

57 100

41 92.6 72.0 108.0

43 210.7 169.8 254.8

56 52.7 42.0 63.0

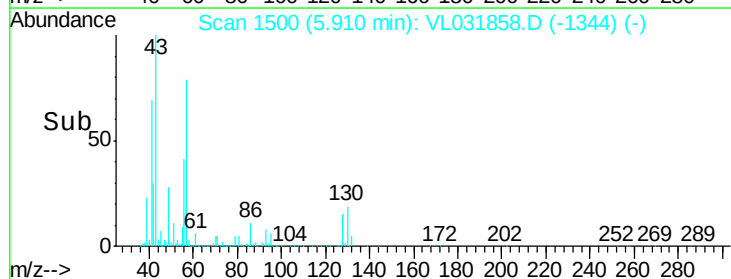
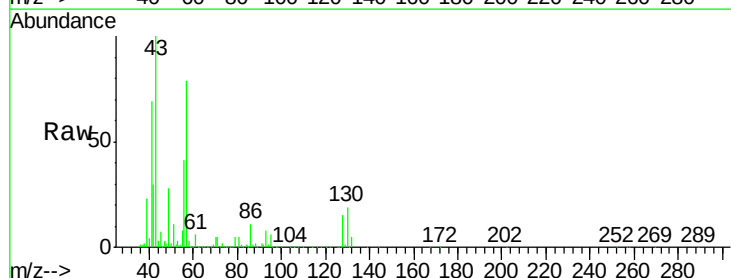
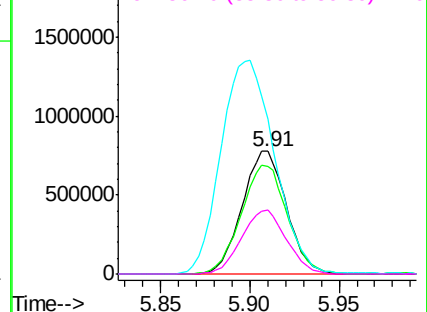
Abundance

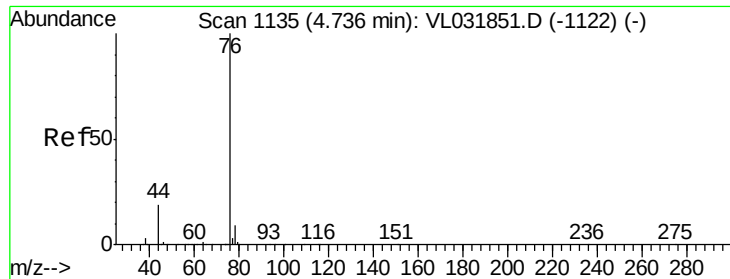
Ion 57.10 (56.80 to 57.80): VL0

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: 8.966 ppbv

RT: 4.74 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

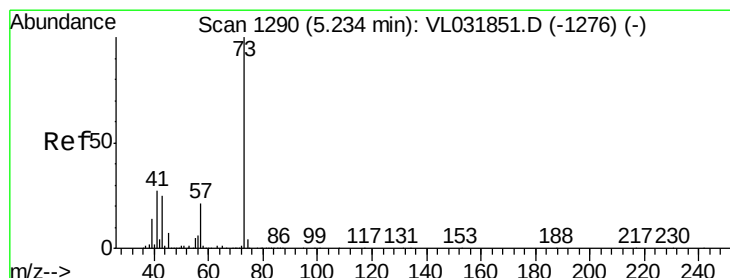
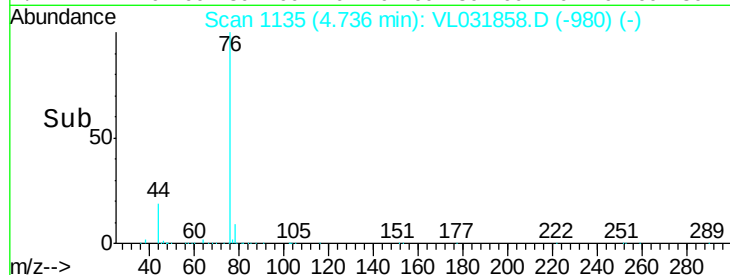
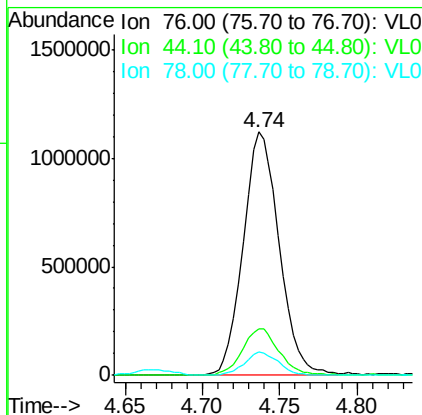
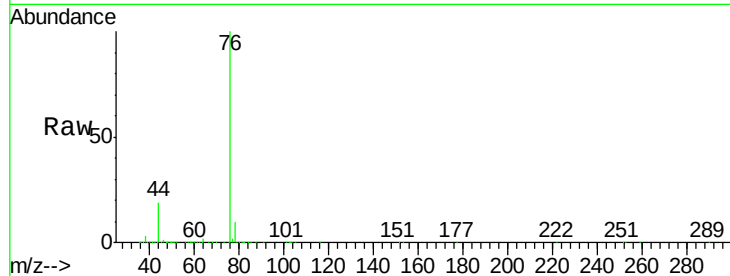
ClientSampleId :

ICVVL041218

Tot Ion:	76	Resp:	1817105
Ion	Ratio	Lower	Upper
76	100		
44	19.6	15.6	23.4
78	9.3	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 8.870 ppbv

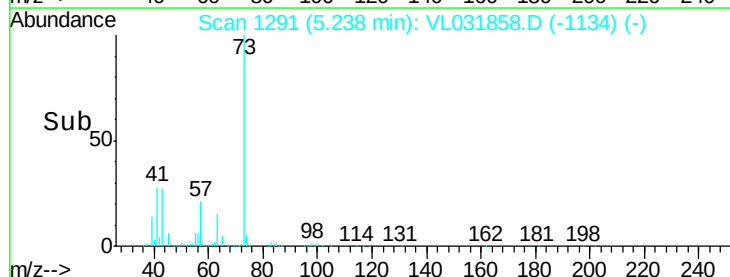
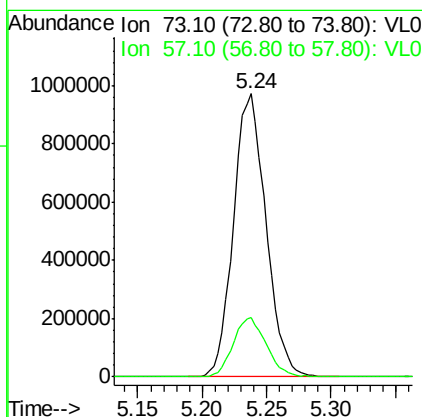
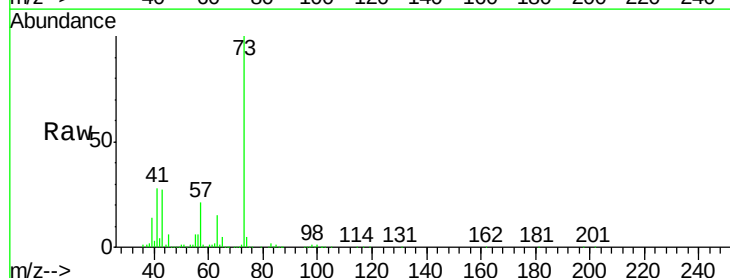
RT: 5.24 min Scan# 1291

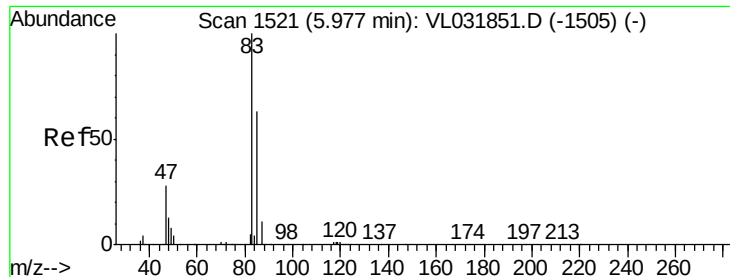
Delta R.T. 0.01 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:	73	Resp:	1703983
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4





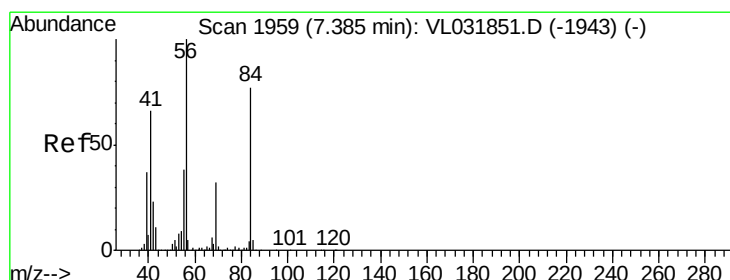
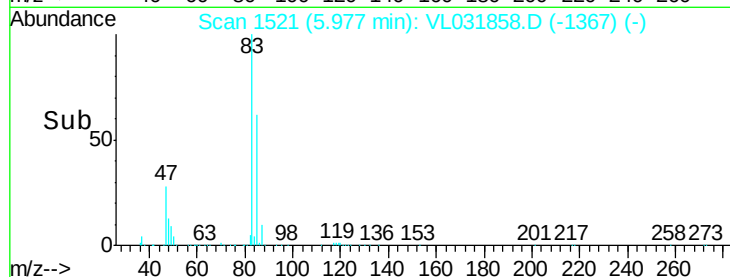
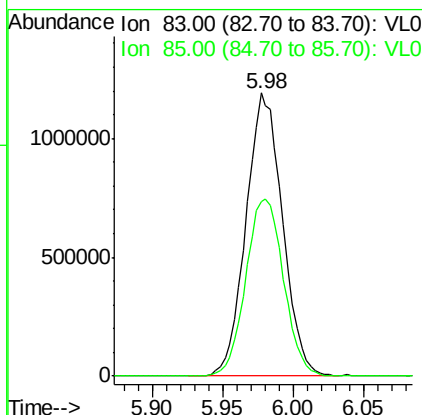
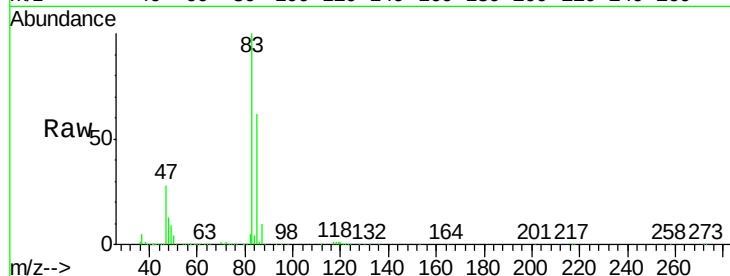
#29
Chloroform
Concen: 8.169 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 83 Resp: 2161750
Ion Ratio Lower Upper
83 100
85 61.8 51.4 77.0

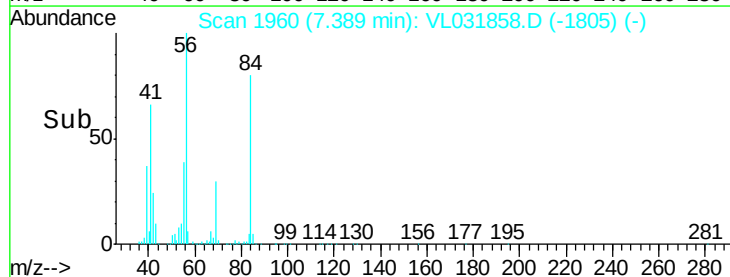
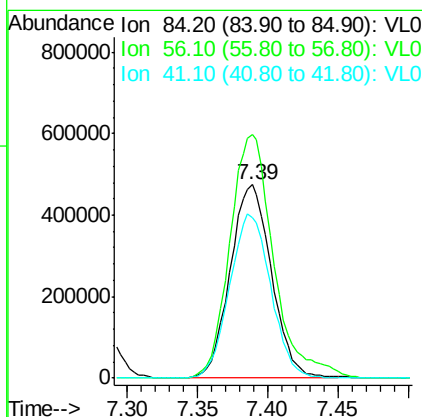
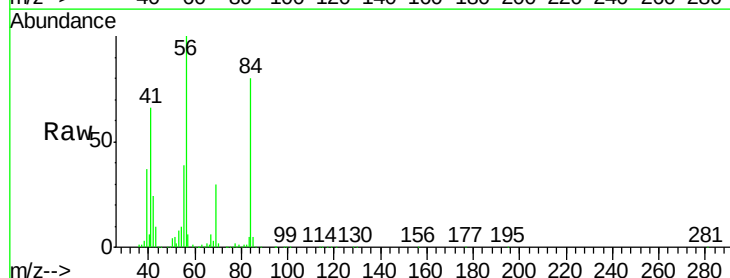
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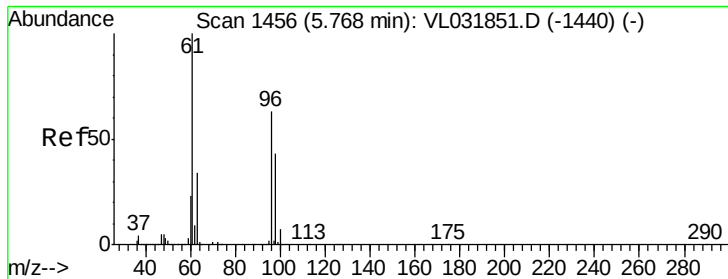
MMDadoda
4/15/2018 3:06:24 PM



#30
Cyclohexane
Concen: 8.644 ppbv
RT: 7.39 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 84 Resp: 963647
Ion Ratio Lower Upper
84 100
56 135.1 107.7 161.5
41 85.6 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 8.805 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

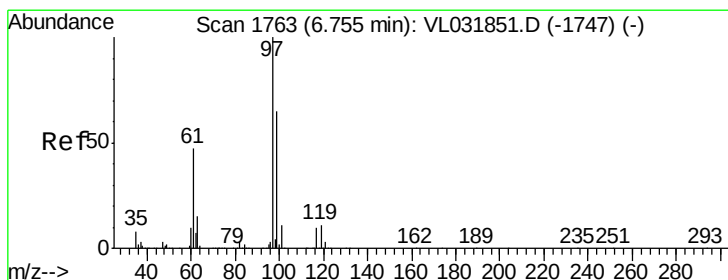
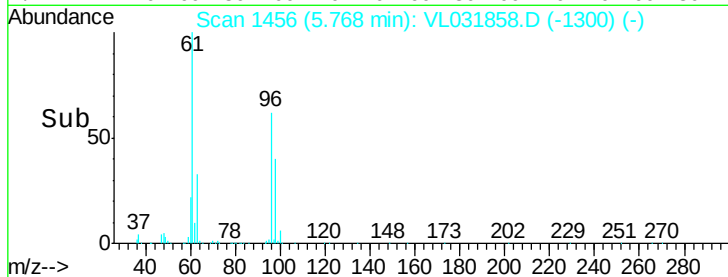
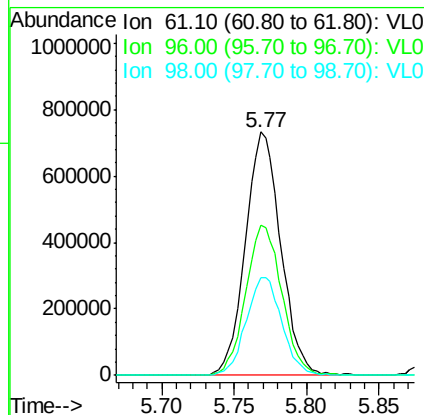
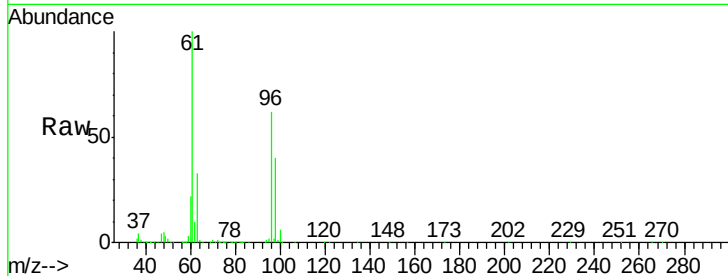
ClientSampleId :

ICVVL041218

Tot Ion:	61	Resp:	1245130
Ion	Ratio	Lower	Upper
61	100		
96	61.6	47.6	71.4
98	40.2	30.3	45.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 7.699 ppbv

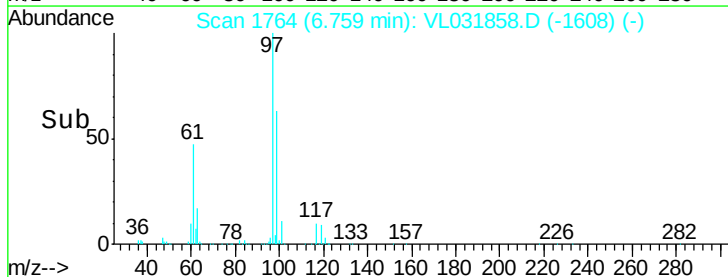
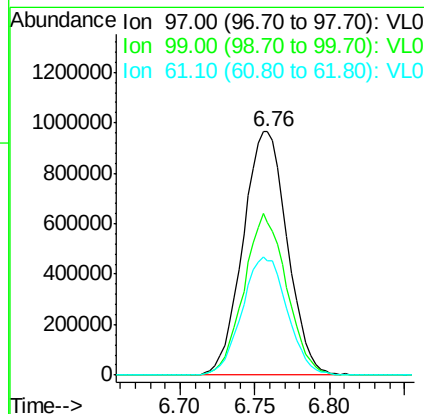
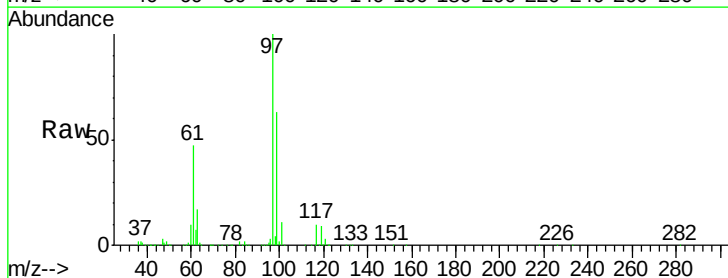
RT: 6.76 min Scan# 1764

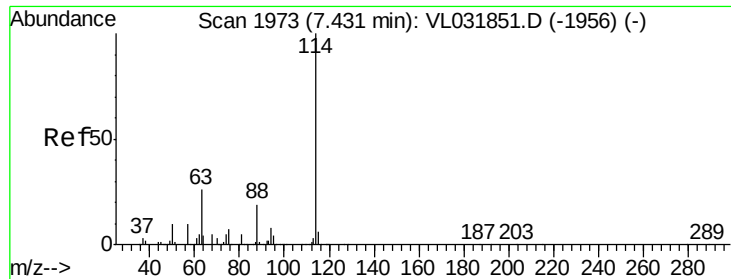
Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:	97	Resp:	1984375
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	49.6	40.0	60.0





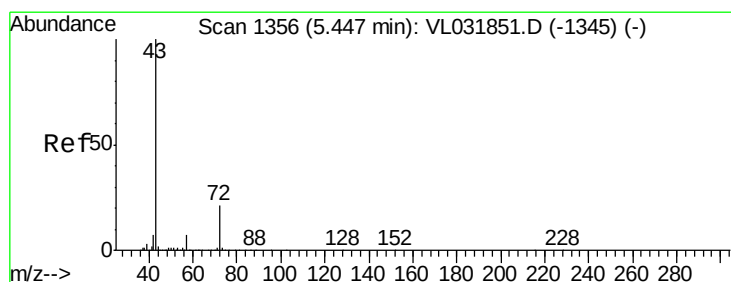
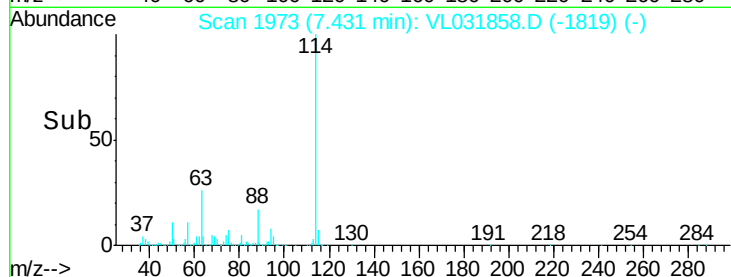
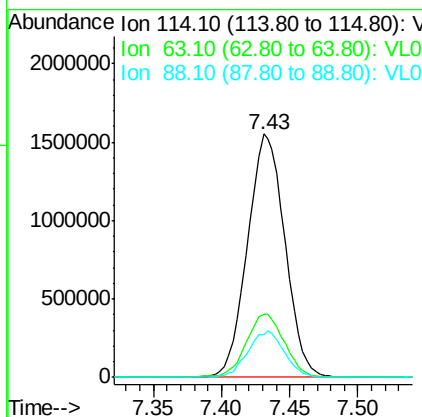
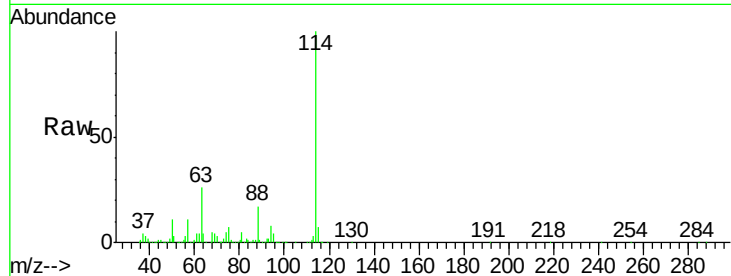
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.8	32.6
88	18.5	14.6	22.0

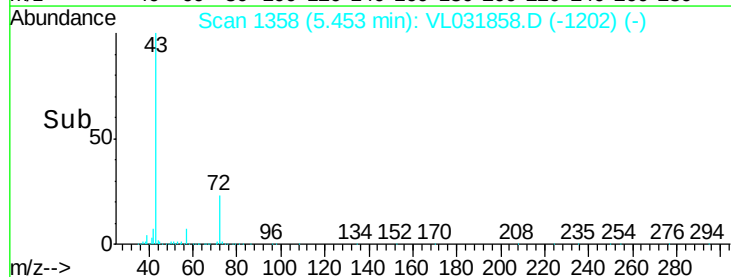
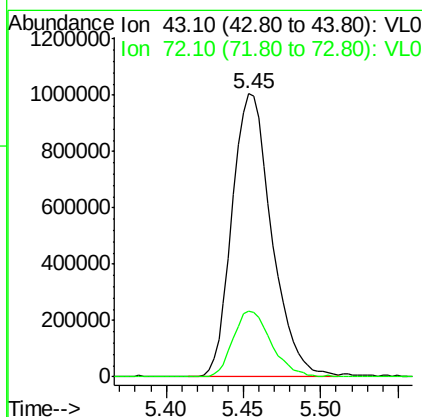
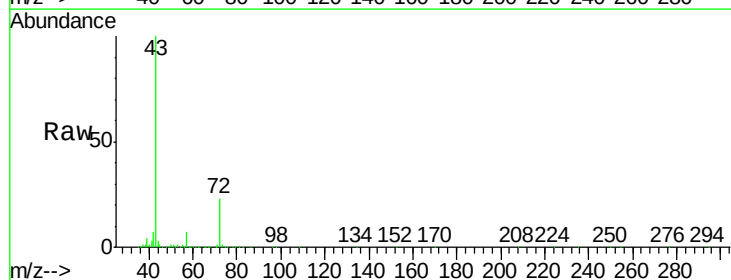
Manual Integrations
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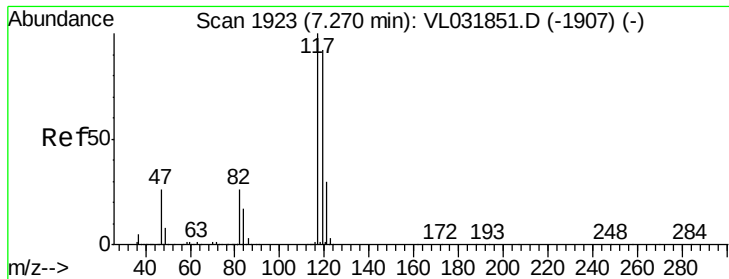
MMDadoda
 4/15/2018 3:06:24 PM



#34
 2-Butanone
 Concen: 8.735 ppbv
 RT: 5.45 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.6	27.8





#35

Carbon Tetrachloride

Concen: 7.975 ppbv

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion:117 Resp: 2041536

Ion Ratio Lower Upper

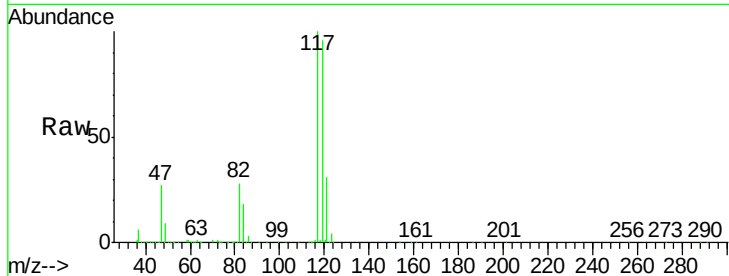
117 100

119 96.3 76.9 115.3

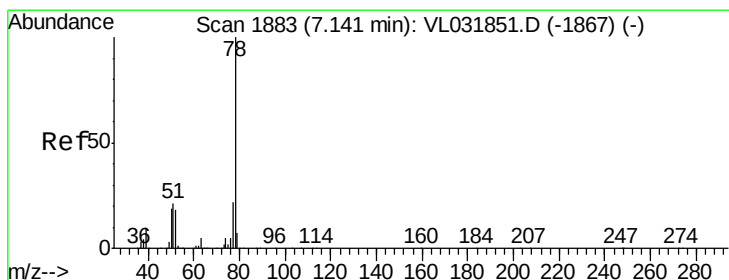
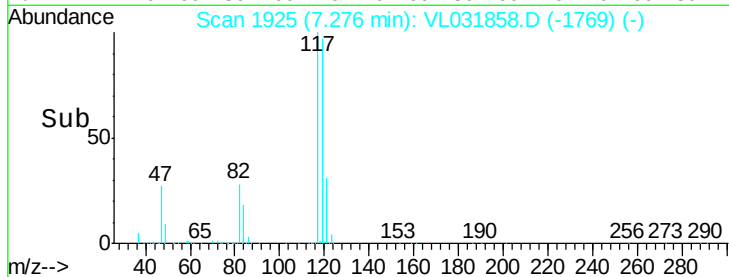
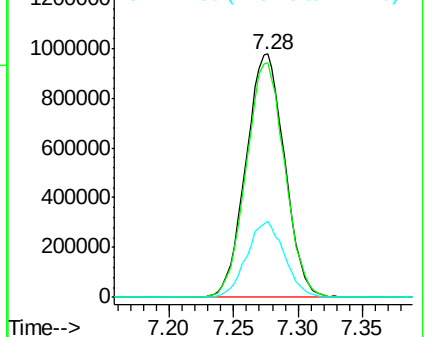
121 31.0 24.5 36.7

Manual Integrations
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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: 8.772 ppbv

RT: 7.14 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

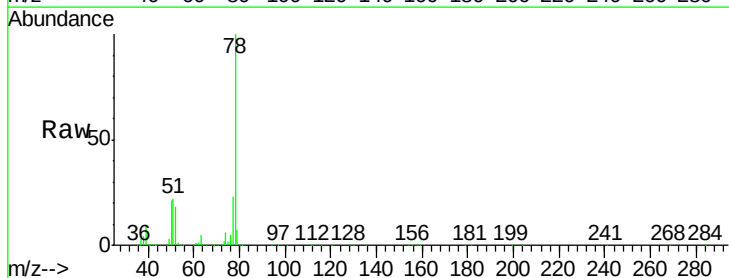
Tgt Ion: 78 Resp: 2325473

Ion Ratio Lower Upper

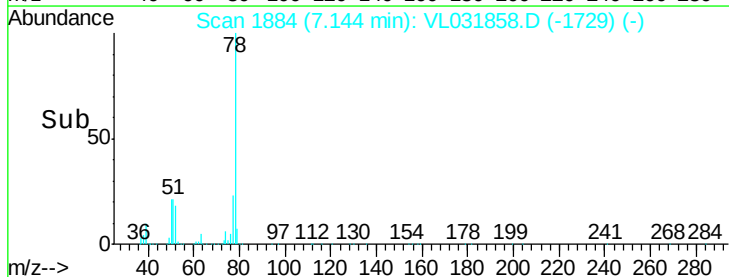
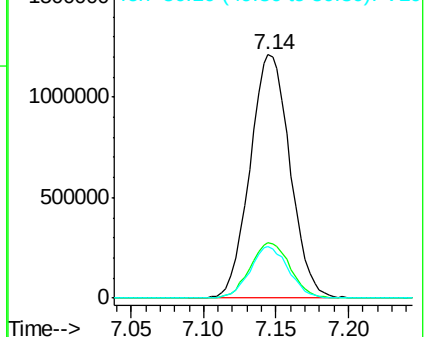
78 100

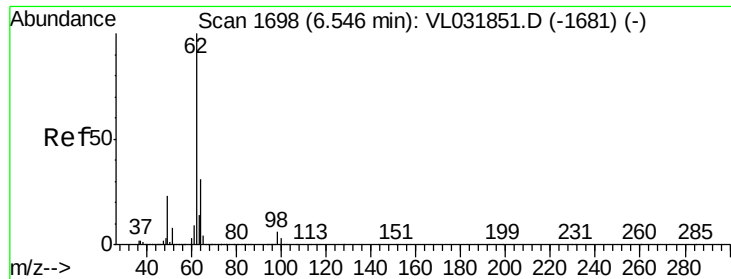
77 22.7 19.2 28.8

50 21.1 16.7 25.1



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





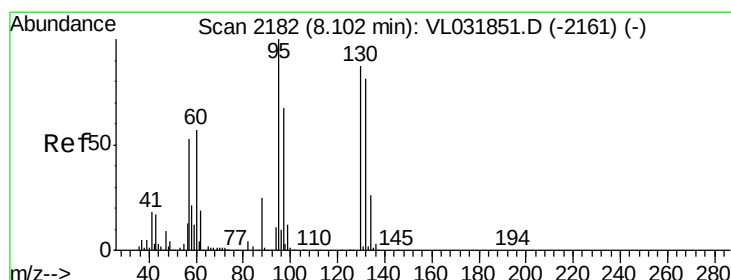
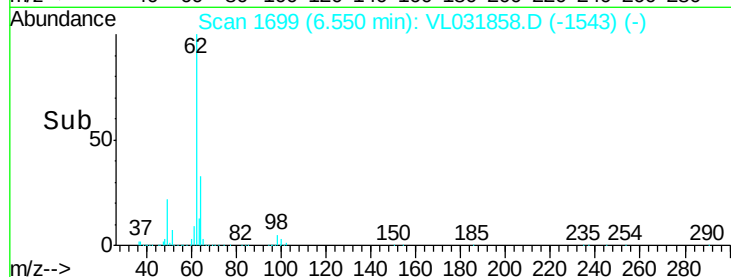
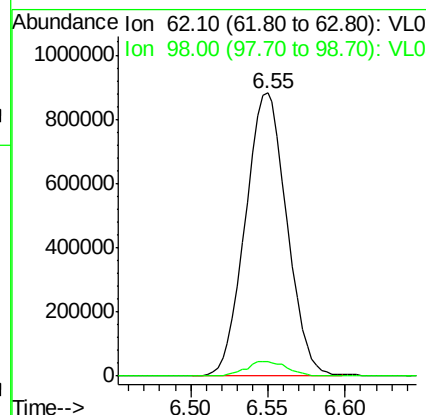
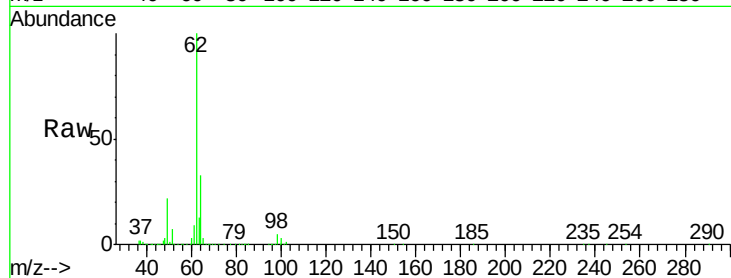
#37
 1,2-Dichloroethane
 Concen: 8.325 ppbv
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.0	6.0

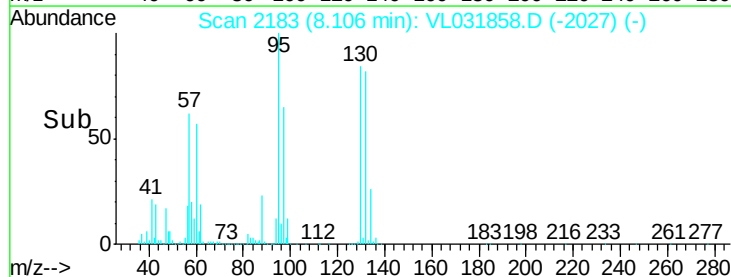
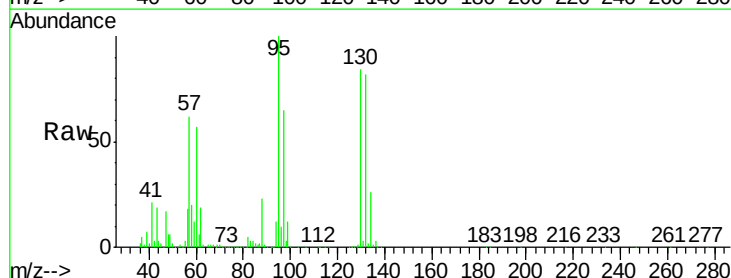
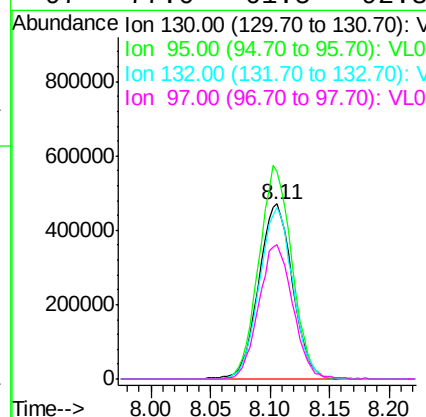
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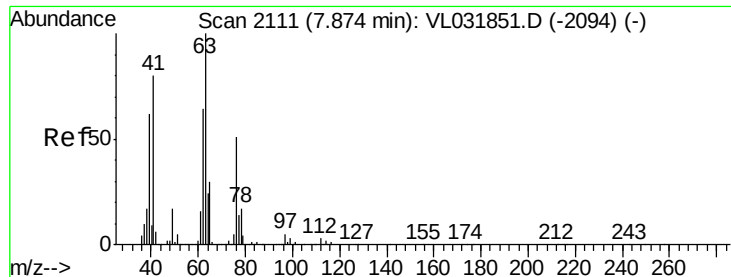
MMDadoda
 4/15/2018 3:06:24 PM



#38
 Trichloroethene
 Concen: 8.608 ppbv
 RT: 8.11 min Scan# 2183
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.5	96.6	144.8
132	97.7	79.1	118.7
97	77.0	61.5	92.3





#39

1,2-Dichloropropane

Concen: 8.542 ppbv

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

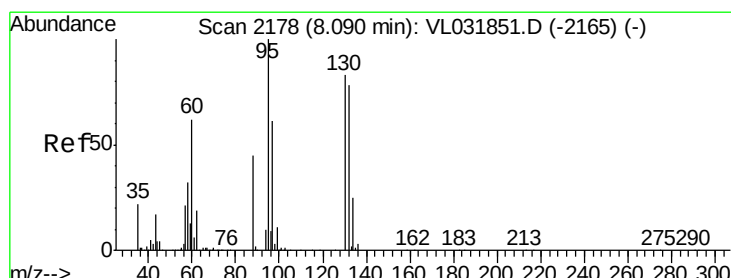
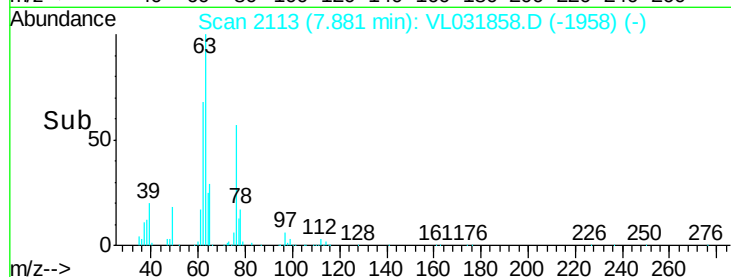
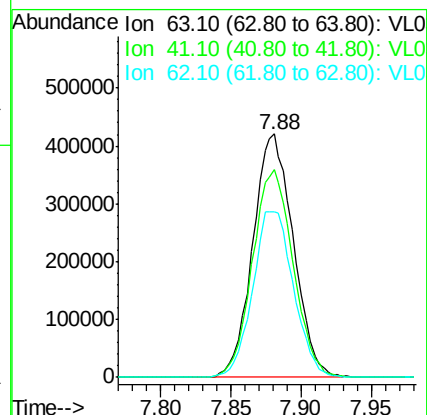
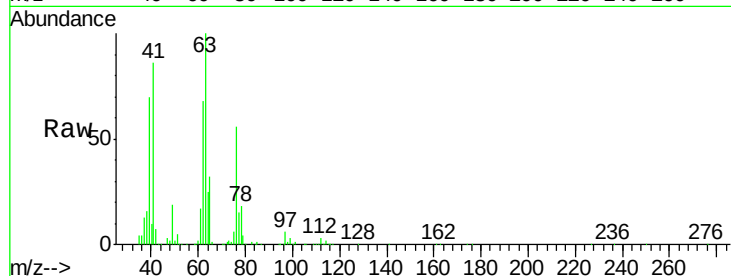
ClientSampleId :

ICVVL041218

Tot Ion:	63	Resp:	841789
Ion Ratio	Lower	Upper	
63	100		
41	85.6	65.8	98.6
62	67.8	55.0	82.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.677 ppbv

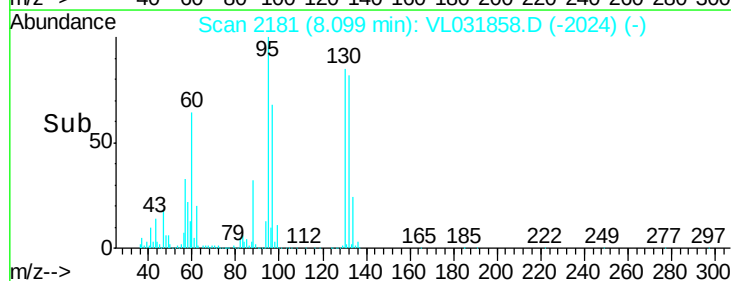
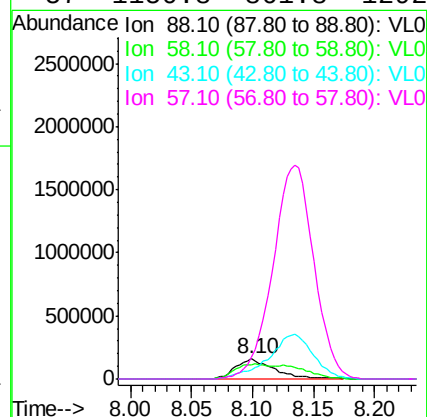
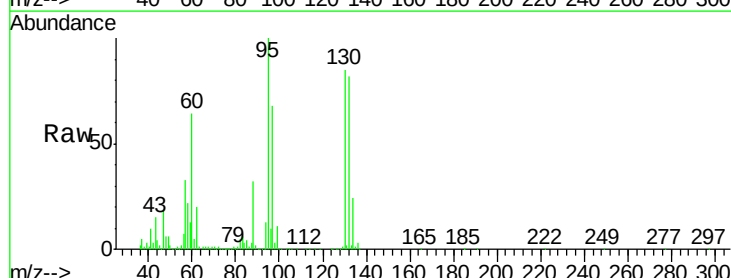
RT: 8.10 min Scan# 2181

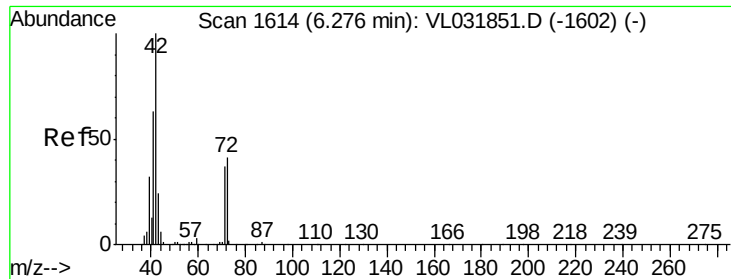
Delta R.T. 0.01 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:	88	Resp:	347079
Ion Ratio	Lower	Upper	
88	100		
58	127.9	98.5	147.7
43	261.5	194.3	291.5
57	1150.8	861.8	1292.6





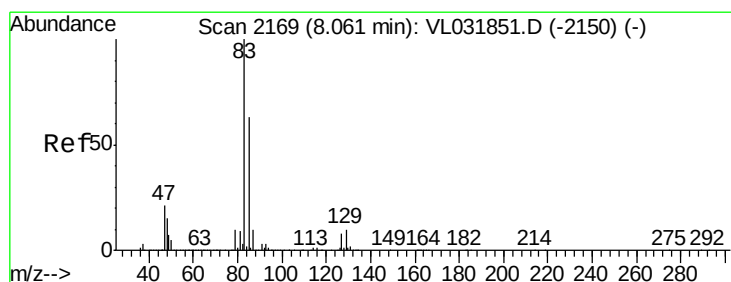
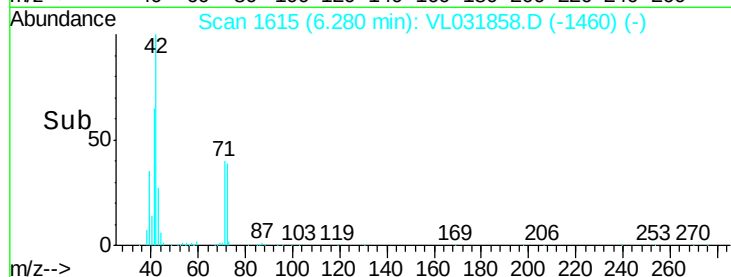
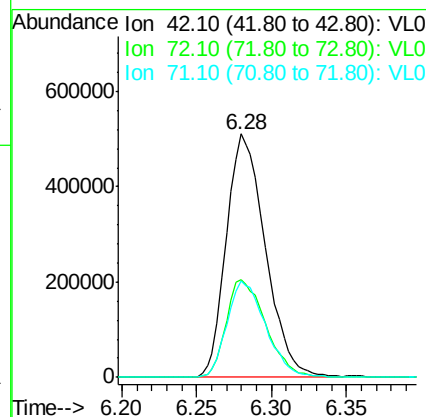
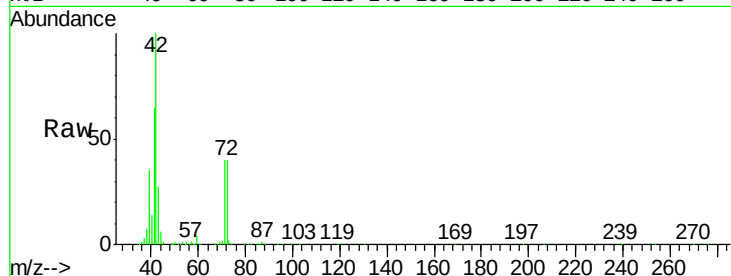
#41
Tetrahydrofuran
Concen: 9.746 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.2	49.8
71	39.3	31.5	47.3

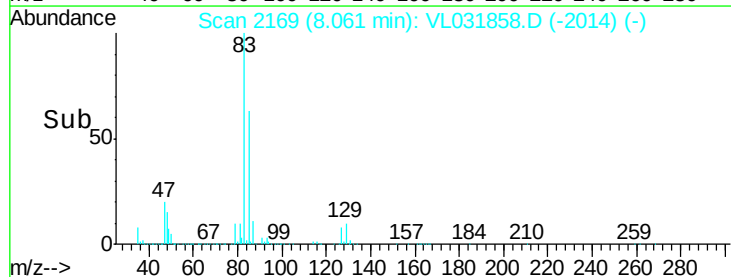
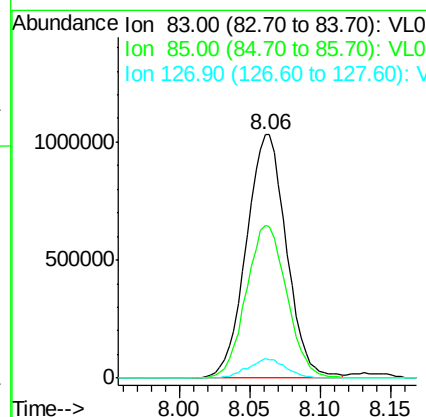
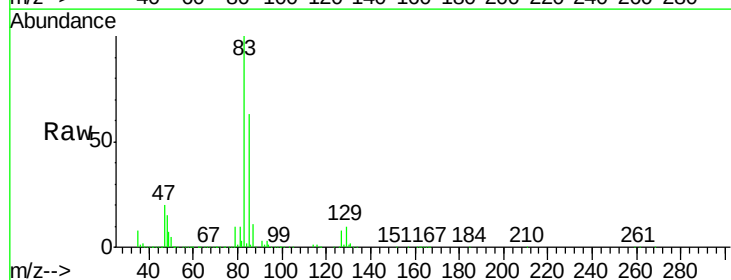
Manual Integrations
APPROVED

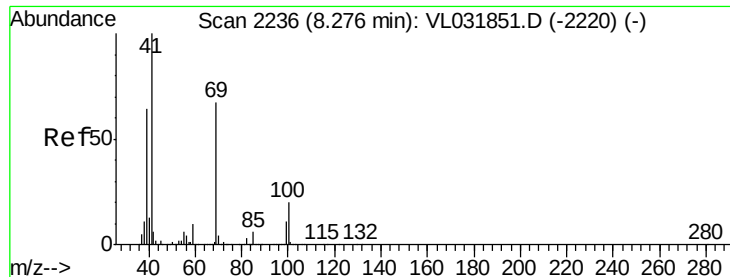
MMDadoda
4/15/2018 3:06:24 PM



#42
Bromodichloromethane
Concen: 8.702 ppbv
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.5	75.7
127	8.0	6.0	9.0





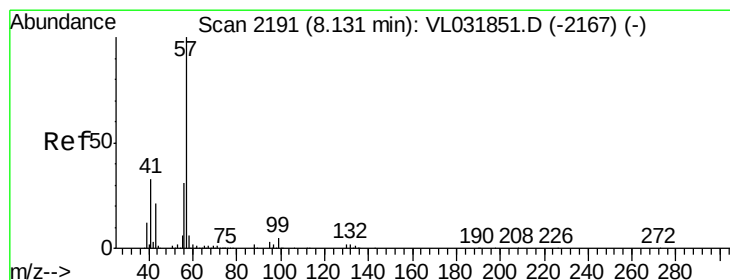
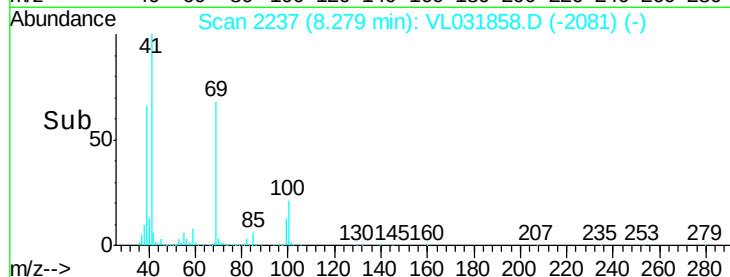
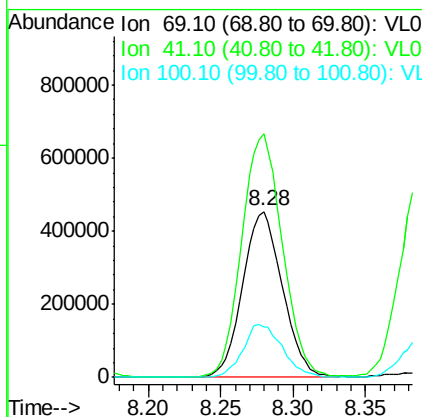
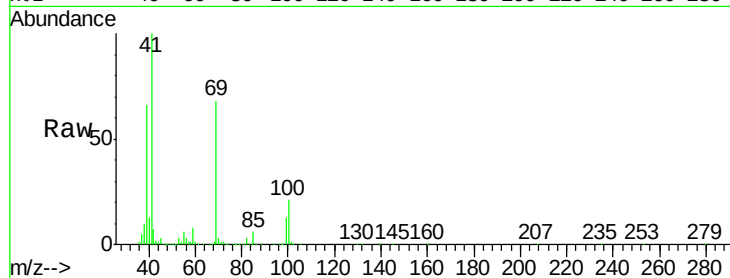
#43
Methyl Methacrylate
Concen: 9.309 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.8	117.8	176.8	
100	31.8	24.6	37.0	

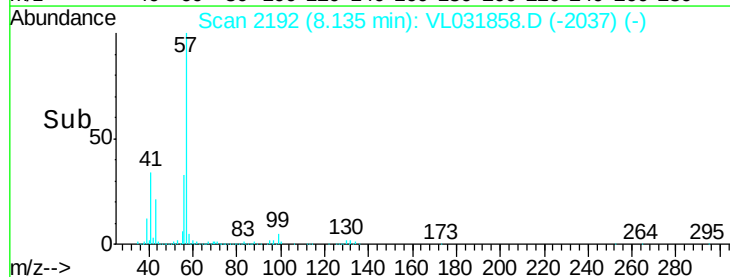
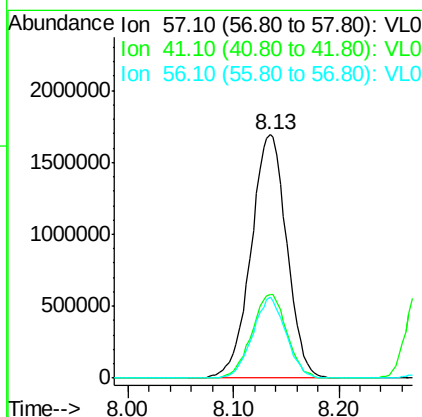
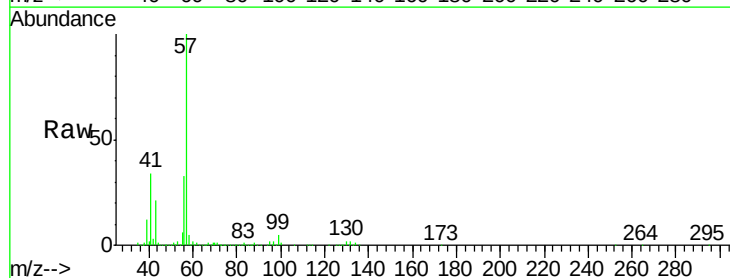
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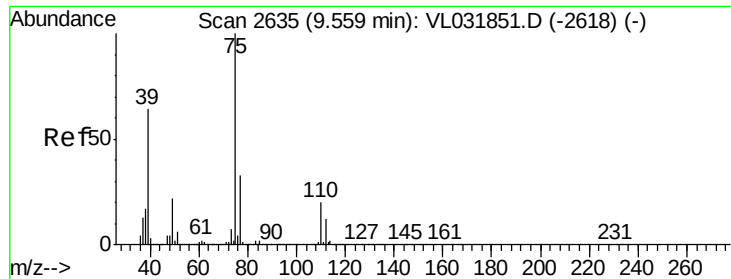
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.738 ppbv
RT: 8.13 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.9	27.0	40.6	
56	31.0	24.1	36.1	





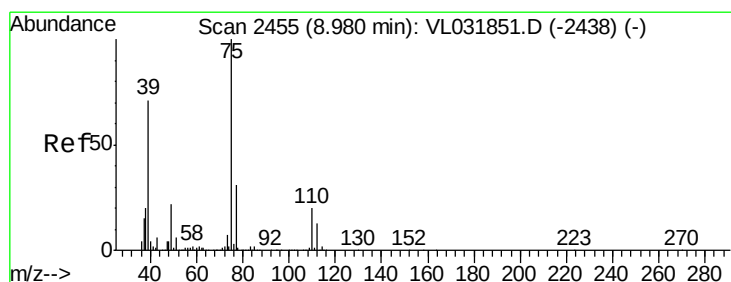
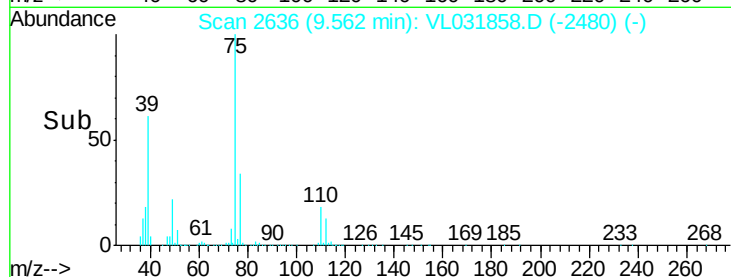
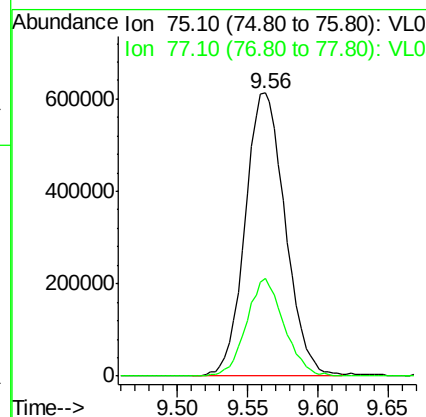
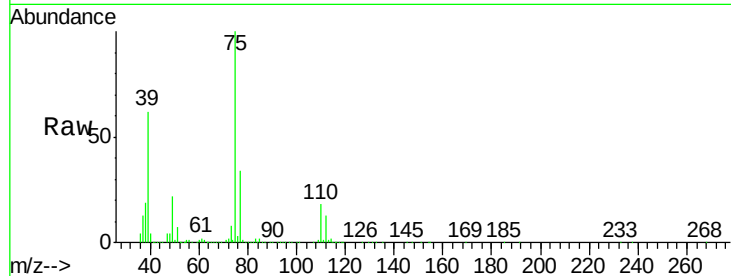
#45
t-1,3-Dichloropropene
Concen: 10.093 ppbv
RT: 9.56 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 75 Resp: 1221184
Ion Ratio Lower Upper
75 100
77 34.4 25.1 37.7

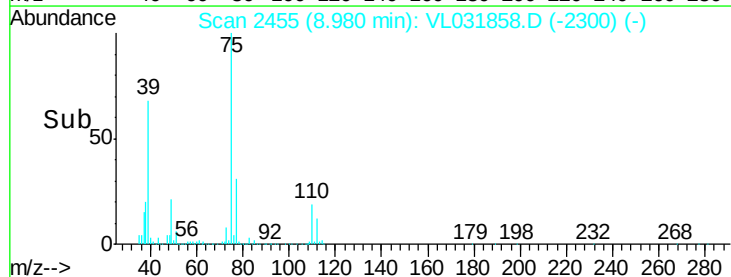
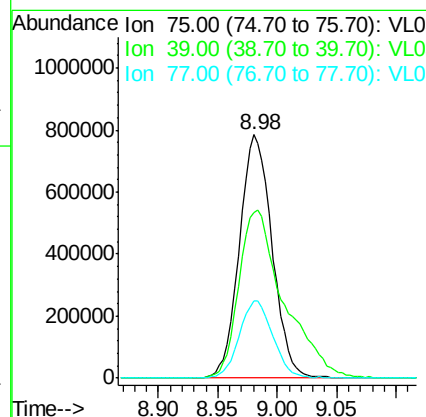
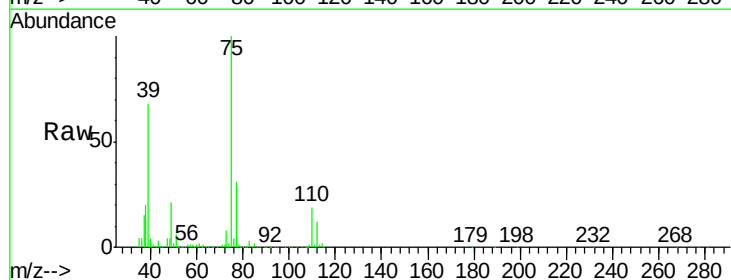
Manual Integrations
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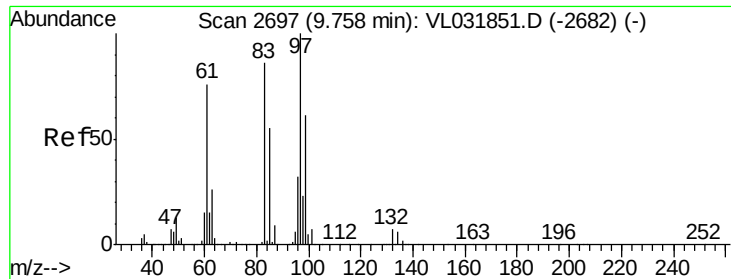
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.648 ppbv
RT: 8.98 min Scan# 2455
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 75 Resp: 1491998
Ion Ratio Lower Upper
75 100
39 68.1 58.6 87.8
77 31.5 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 8.472 ppbv

RT: 9.76 min Scan# 2698

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

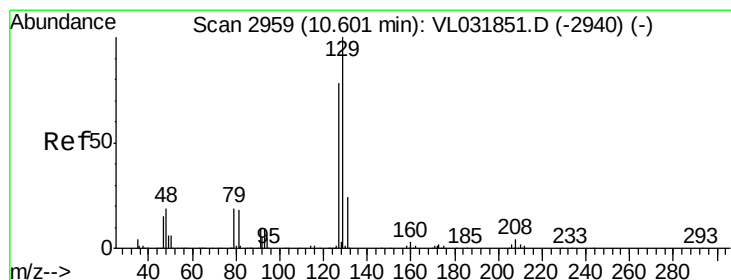
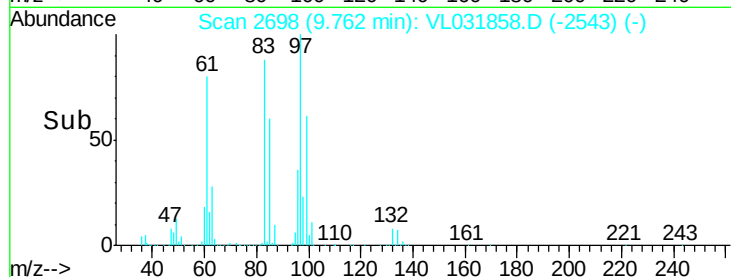
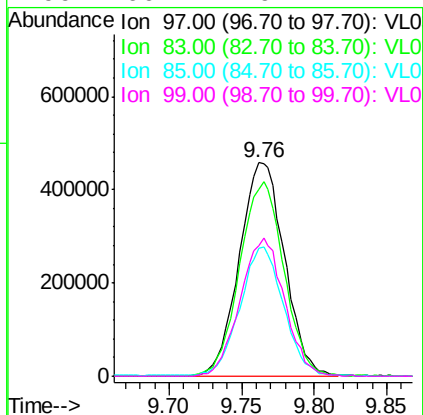
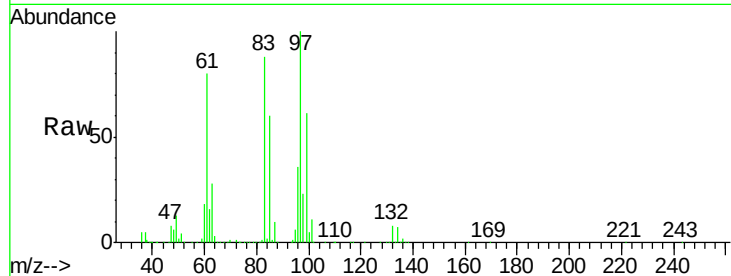
ClientSampleId :

ICVVL041218

Tot Ion:	97	Resp:	992370
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	59.3	43.7	65.5
99	60.7	49.4	74.2

Manual Integrations
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#48

Dibromochloromethane

Concen: 9.018 ppbv

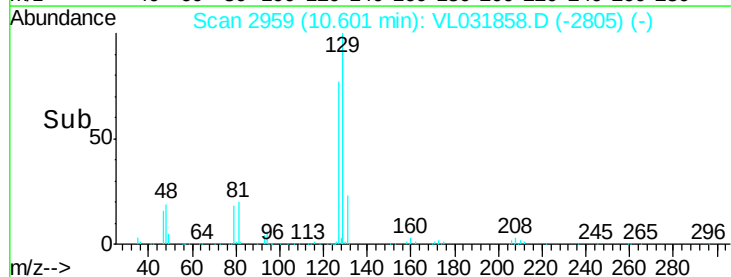
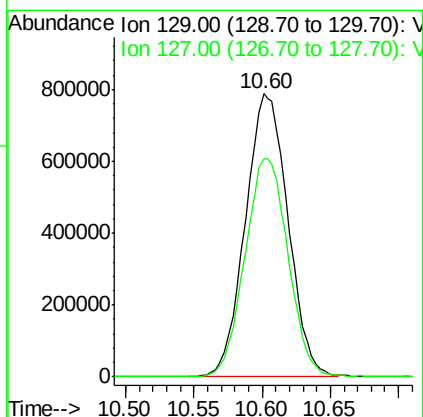
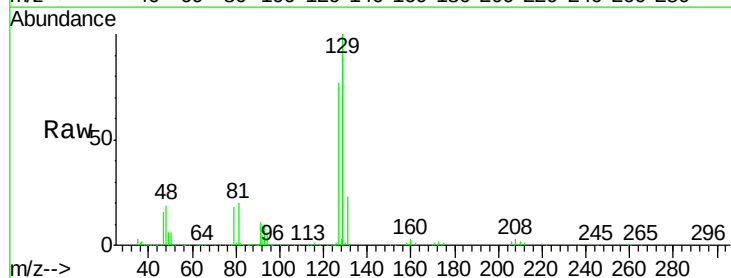
RT: 10.60 min Scan# 2959

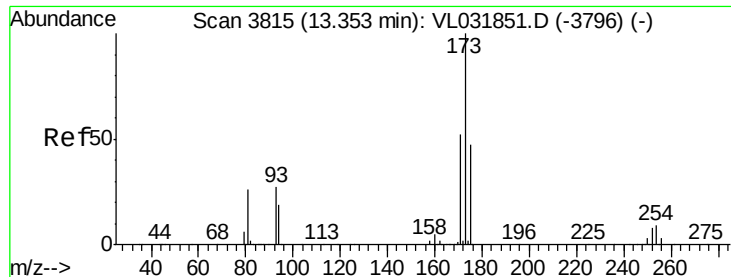
Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:	129	Resp:	1707084
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5





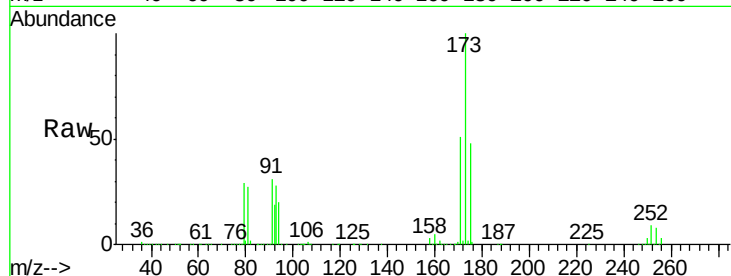
#49
Bromoform
Concen: 9.044 ppbv
RT: 13.36 min Scan# 3816
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

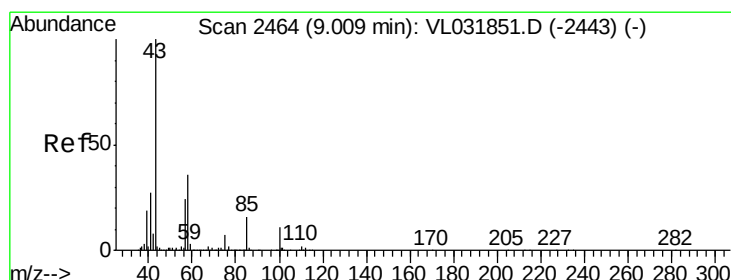
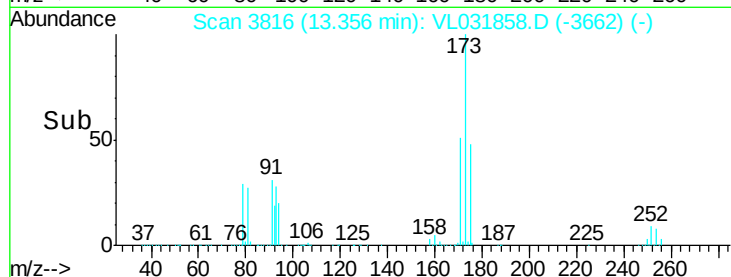
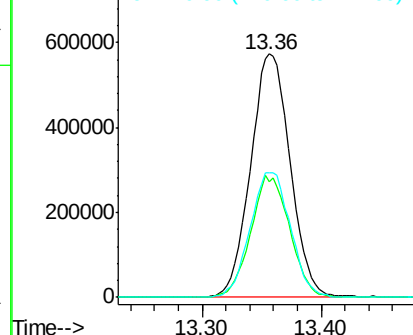
Tot Ion:173 Resp: 1318005
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
171 52.5 41.4 62.0

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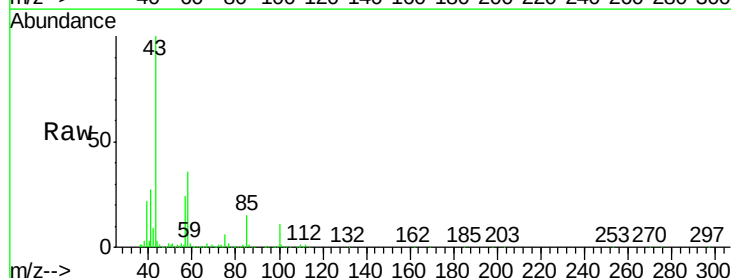


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

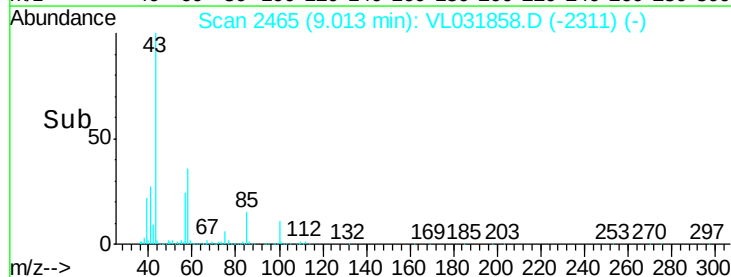
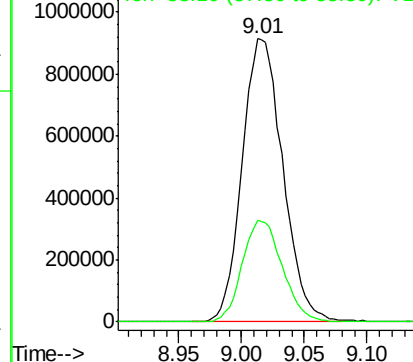


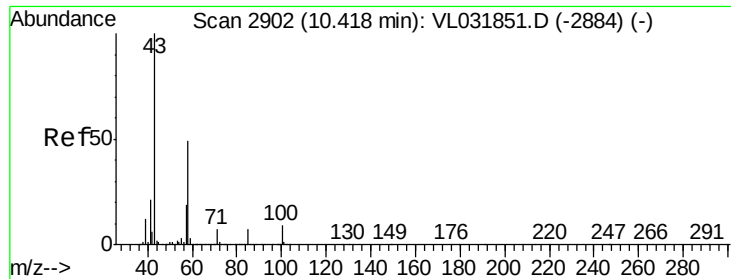
#50
4-Methyl-2-Pentanone
Concen: 8.775 ppbv
RT: 9.01 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 43 Resp: 2053464
Ion Ratio Lower Upper
43 100
58 35.6 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





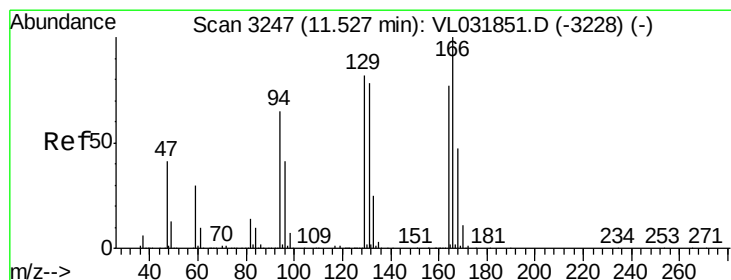
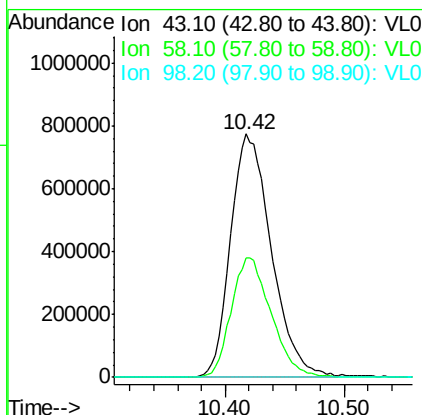
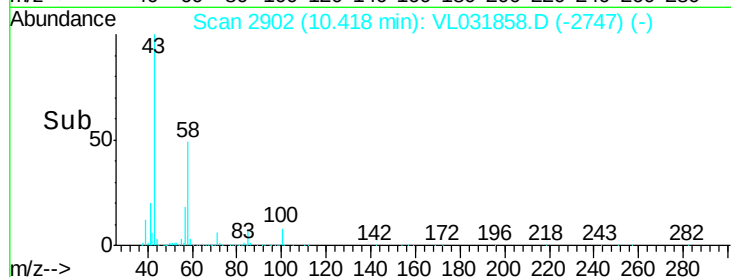
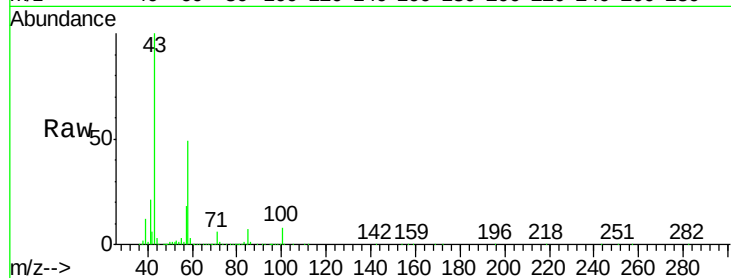
#51
2-Hexanone
Concen: 8.975 ppbv
RT: 10.42 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 43 Resp: 1835860
Ion Ratio Lower Upper
43 100
58 48.2 38.5 57.7
98 0.5 0.2 0.4#

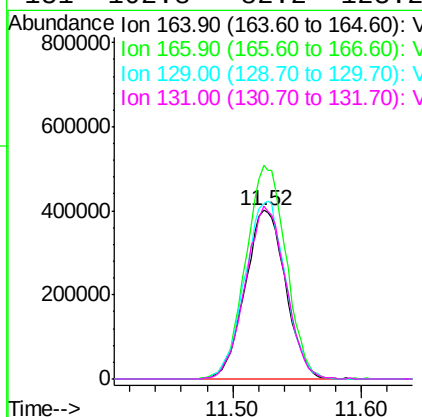
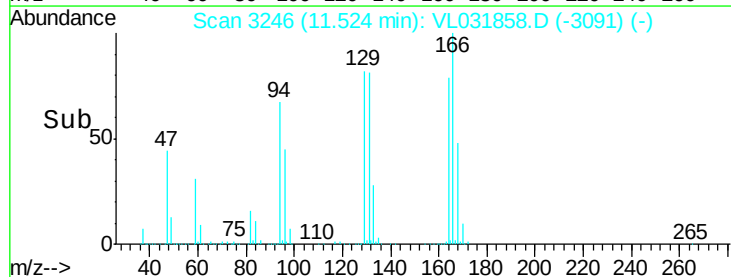
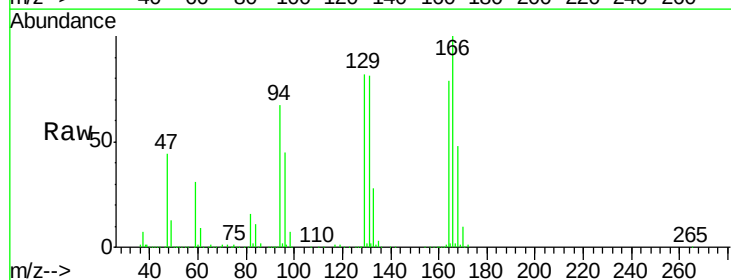
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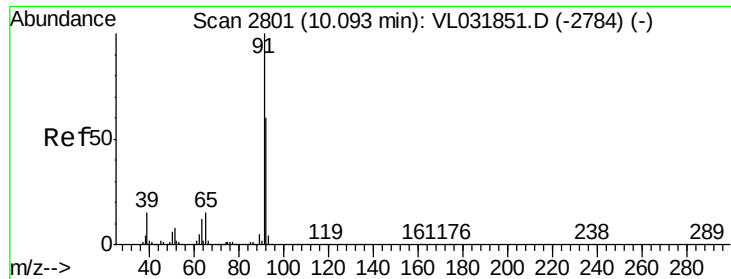
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#52
Tetrachloroethene
Concen: 8.482 ppbv
RT: 11.52 min Scan# 3246
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 164 Resp: 876095
Ion Ratio Lower Upper
164 100
166 126.8 98.2 147.4
129 104.3 86.5 129.7
131 102.8 82.2 123.2





#53

Toluene

Concen: 9.469 ppbv

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 91 Resp: 2799335

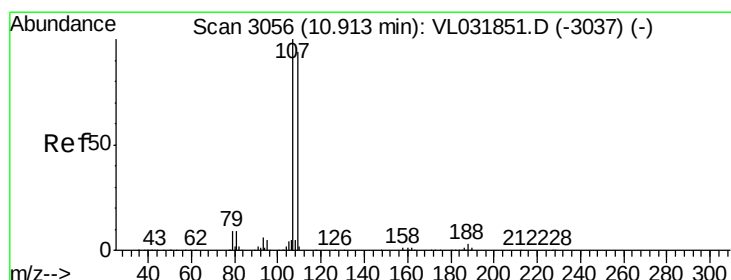
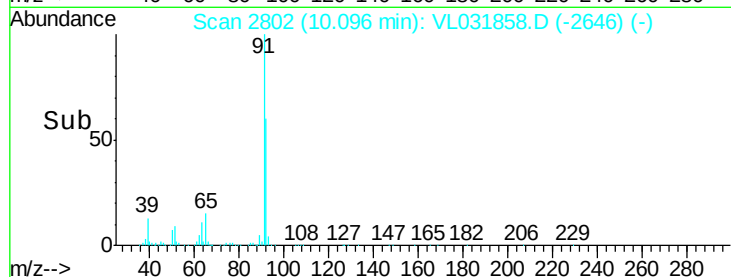
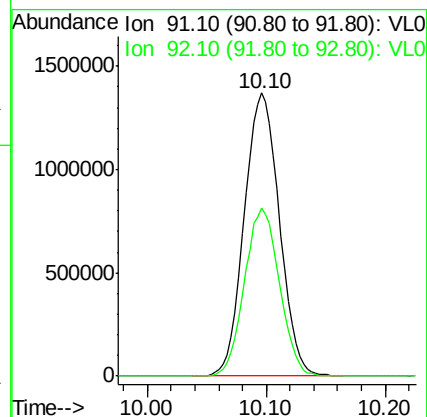
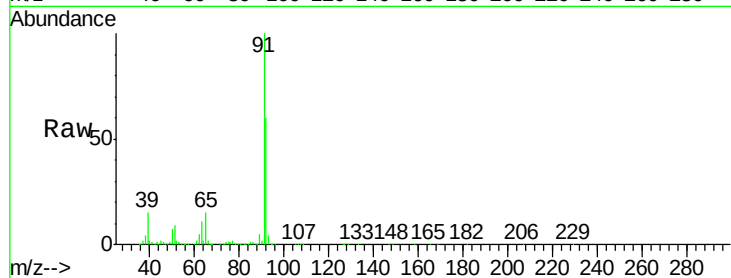
Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.2

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#54

1,2-Dibromoethane

Concen: 8.873 ppbv

RT: 10.91 min Scan# 3056

Delta R.T. 0.00 min

Lab File: VL031858.D

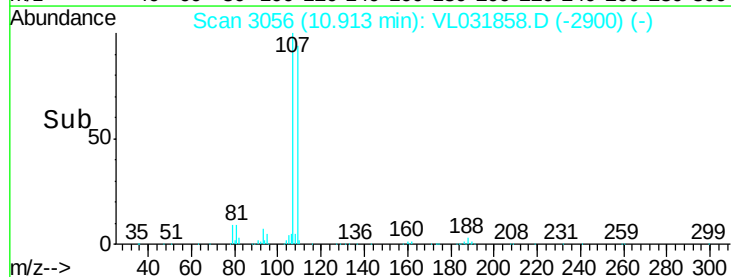
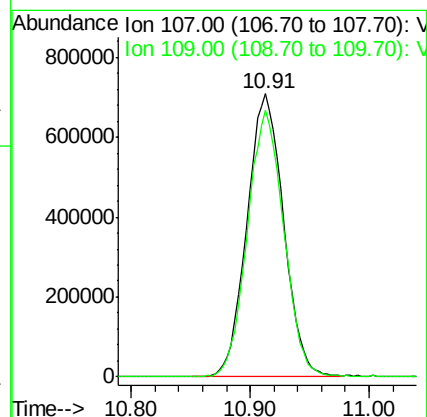
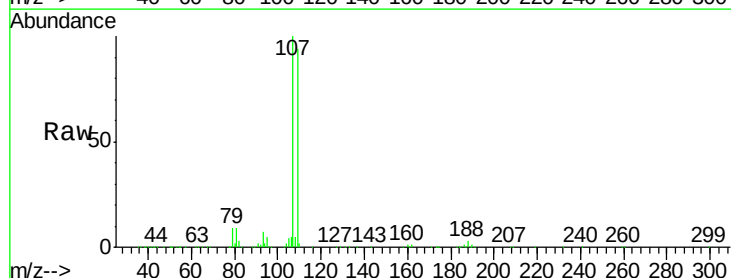
Acq: 12 Apr 2018 5:26

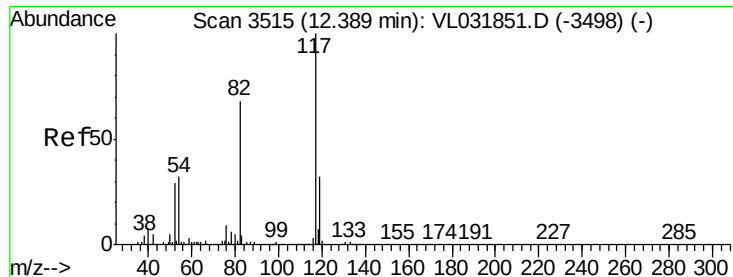
Tgt Ion: 107 Resp: 1508627

Ion Ratio Lower Upper

107 100

109 94.3 74.6 112.0





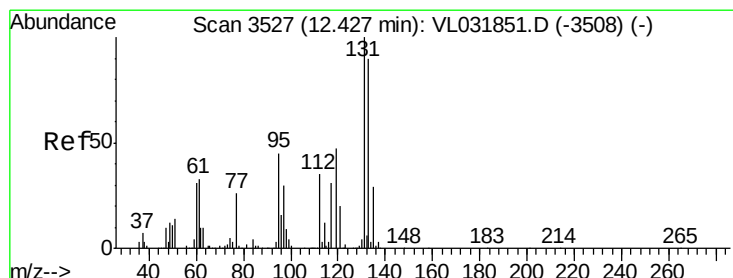
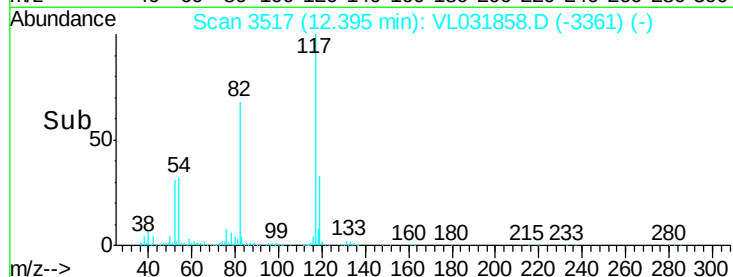
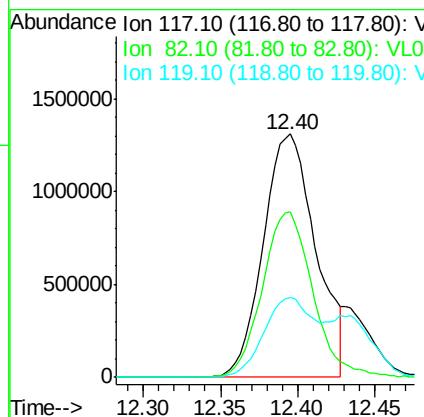
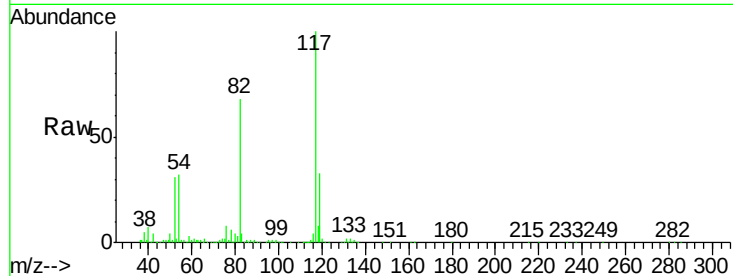
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.40 min Scan# 3517
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion:117 Resp: 3096024
Ion Ratio Lower Upper
117 100
82 65.3 54.6 81.8
119 52.8 26.0 39.0#

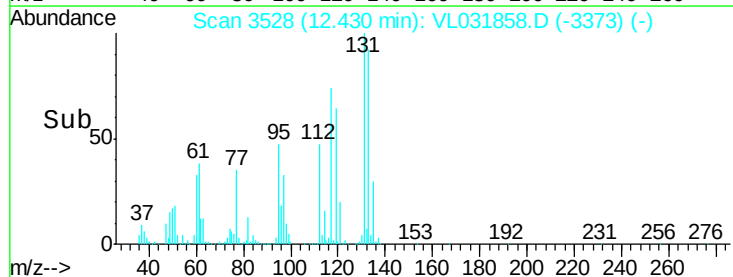
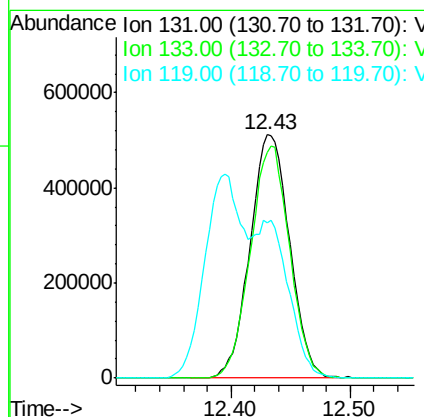
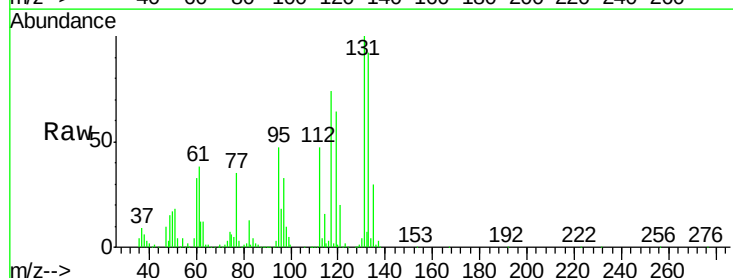
Manual Integrations
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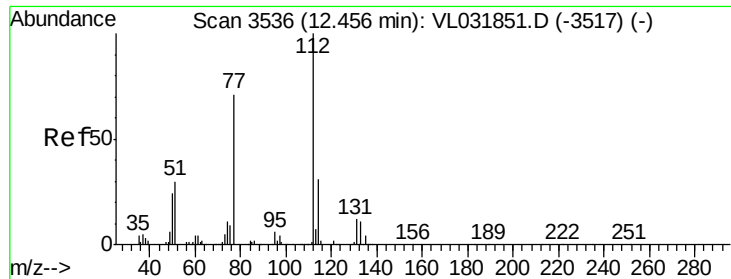
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.087 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion:131 Resp: 1178260
Ion Ratio Lower Upper
131 100
133 94.6 76.1 114.1
119 139.1 106.3 159.5





#57

Chlorobenzene

Concen: 8.004 ppbv

RT: 12.46 min Scan# 3536

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion:112 Resp: 2100841

Ion Ratio Lower Upper

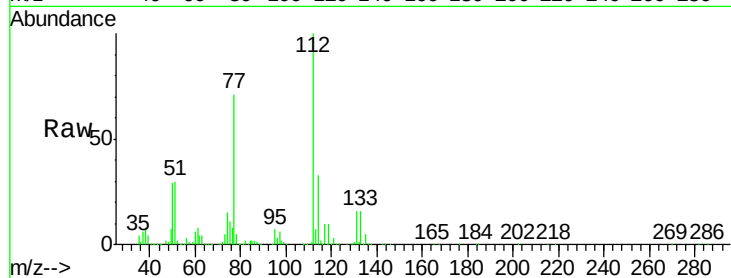
112 100

77 71.1 57.0 85.6

114 32.9 28.5 34.9

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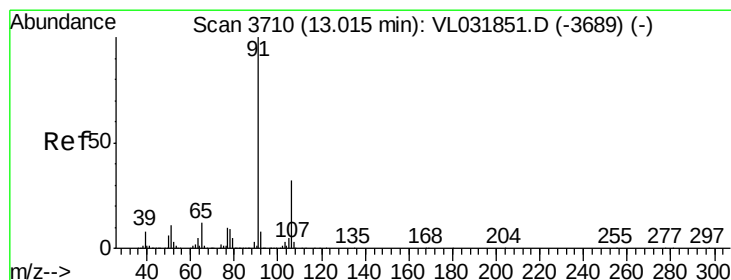
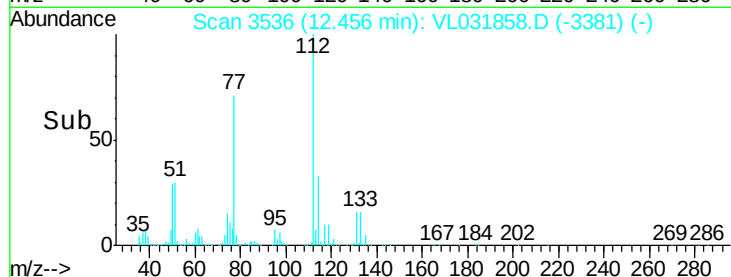
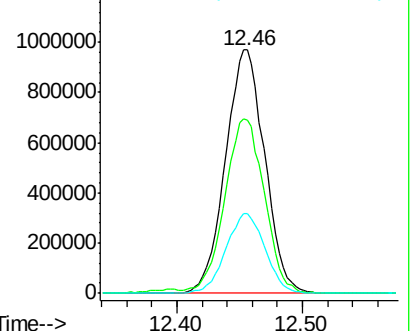
MMDadoda
4/15/2018 3:06:24 PM



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: 9.019 ppbv

RT: 13.02 min Scan# 3710

Delta R.T. -0.00 min

Lab File: VL031858.D

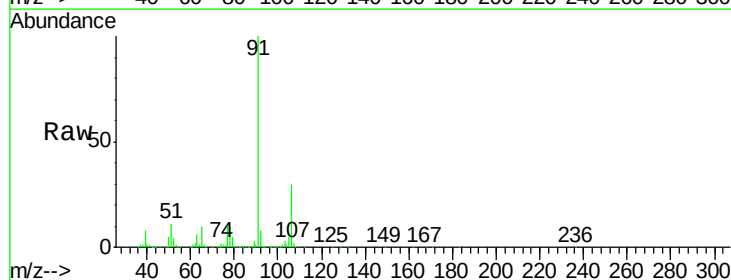
Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 3878081

Ion Ratio Lower Upper

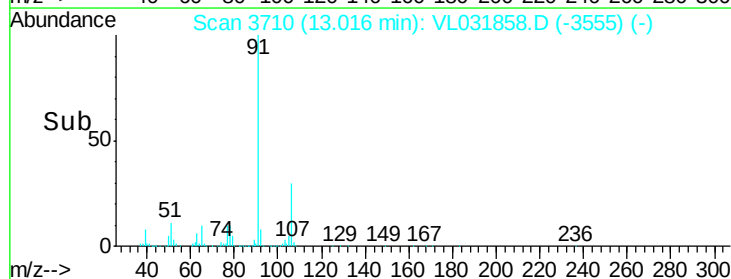
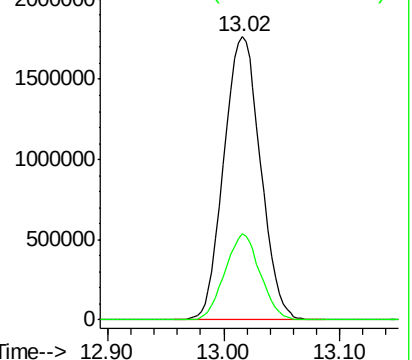
91 100

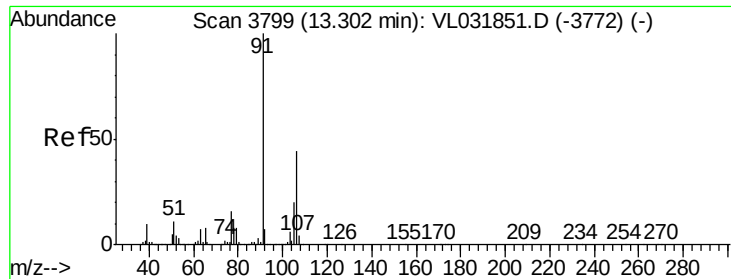
106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





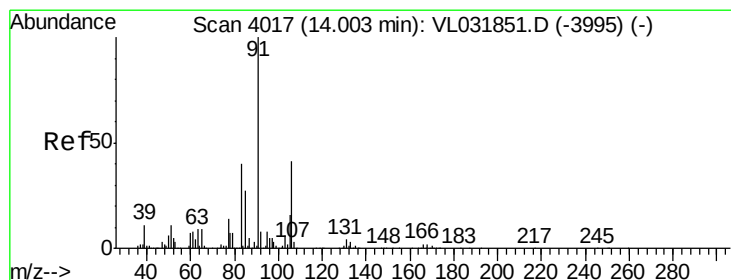
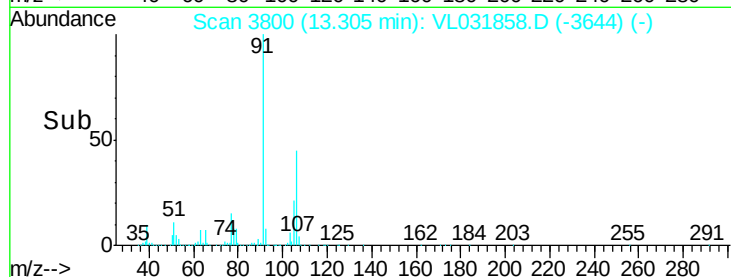
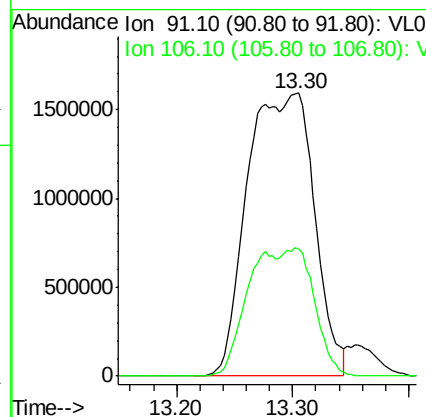
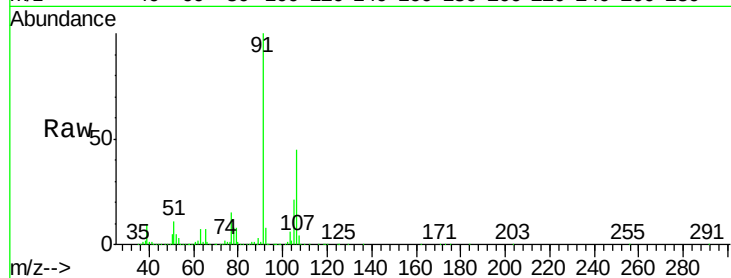
#59
m/p-Xylene
Concen: 17.020 ppbv m
RT: 13.30 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion: 91 Resp: 6354033
Ion Ratio Lower Upper
91 100
106 44.4 35.5 53.3

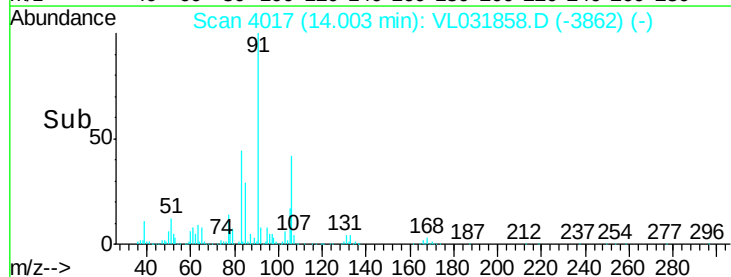
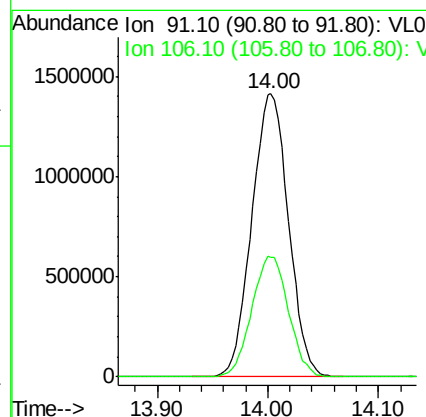
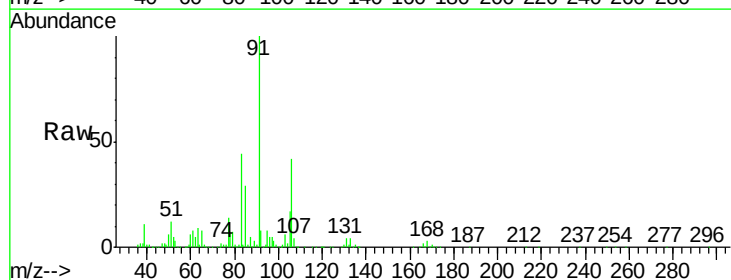
Manual Integrations
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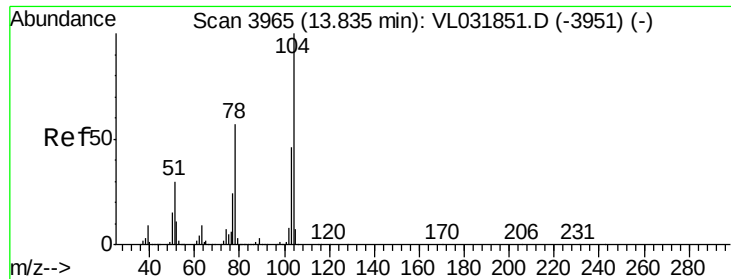
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#60
o-Xylene
Concen: 8.738 ppbv
RT: 14.00 min Scan# 4017
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 3260800
Ion Ratio Lower Upper
91 100
106 42.7 21.3 63.9





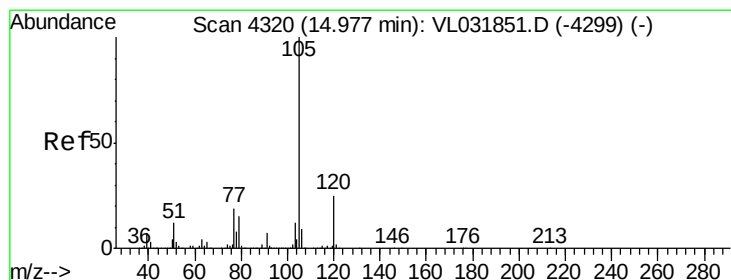
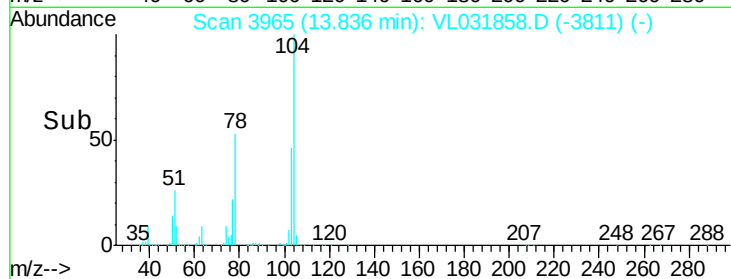
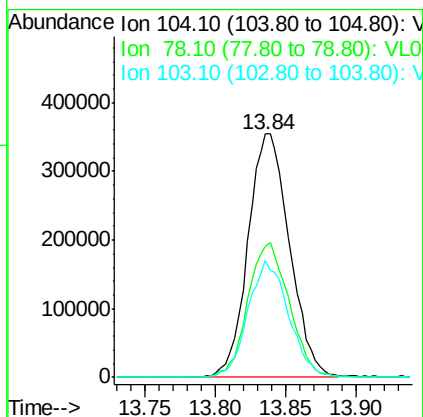
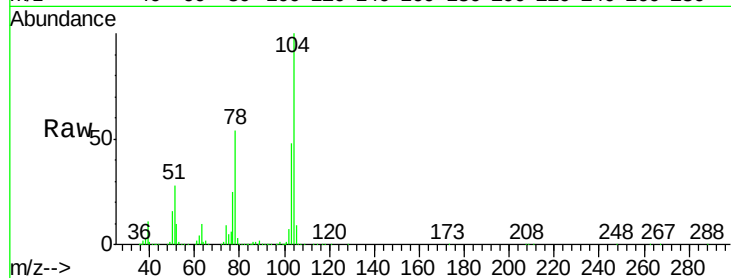
#61
Stvrene
Concen: 10.271 ppbv
RT: 13.84 min Scan# 3965
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.4	66.6
103	47.0	37.9	56.9

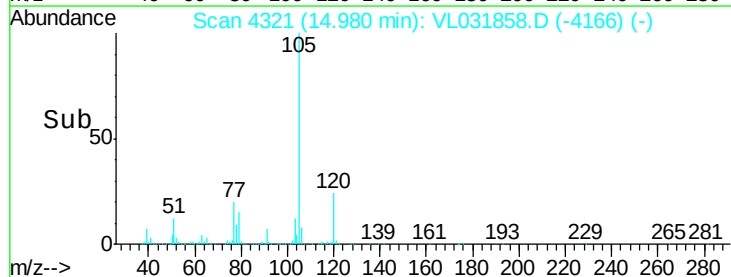
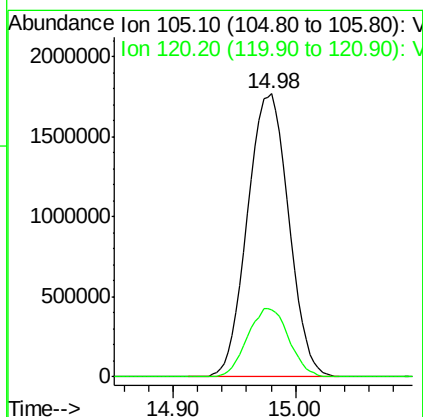
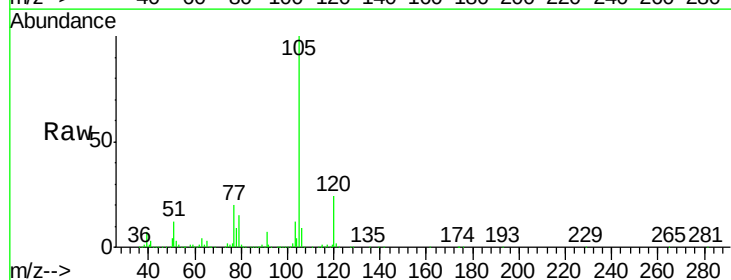
Manual Integrations
APPROVED

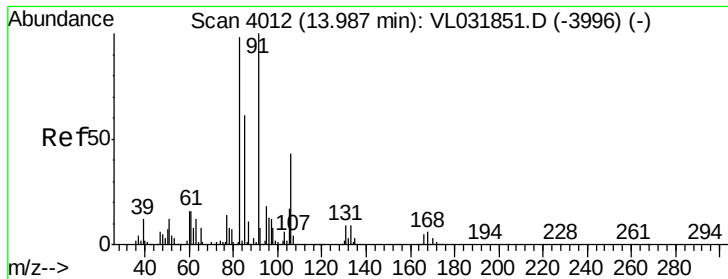
MMDadoda
4/15/2018 3:06:24 PM



#62
Isopropylbenzene
Concen: 8.644 ppbv
RT: 14.98 min Scan# 4321
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.4	29.2





#63

1,1,2,2-Tetrachloroethane

Concen: 7.551 ppbv

RT: 13.99 min Scan# 4012

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 83 Resp: 2166378

Ion Ratio Lower Upper

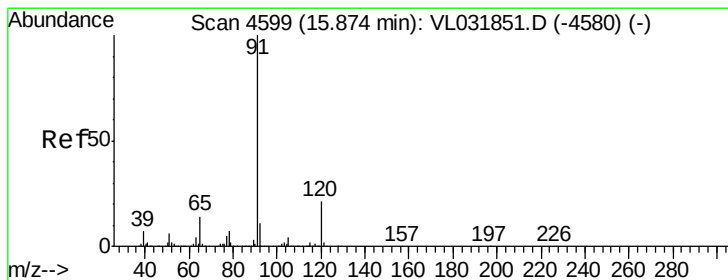
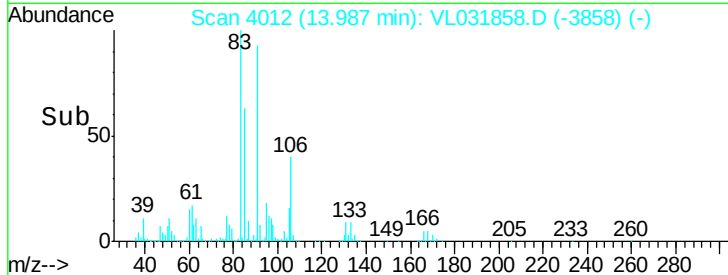
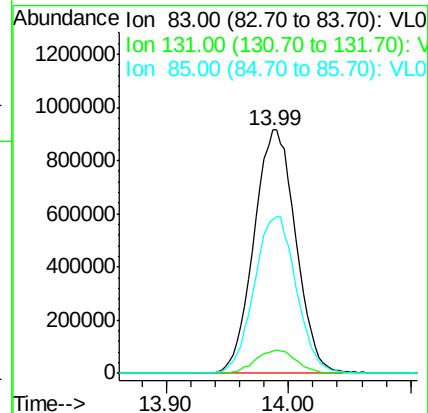
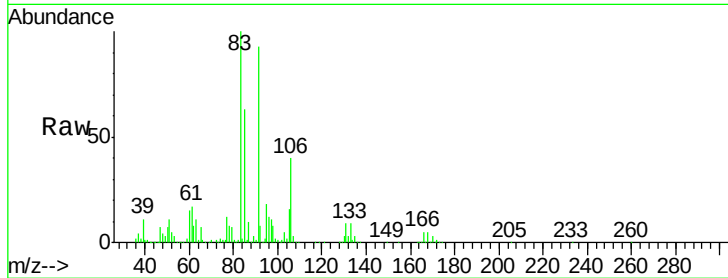
83 100

131 9.4 4.9 14.6

85 65.2 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
4/15/2018 3:06:24 PM



#64

n-propylbenzene

Concen: 8.746 ppbv

RT: 15.87 min Scan# 4599

Delta R.T. -0.00 min

Lab File: VL031858.D

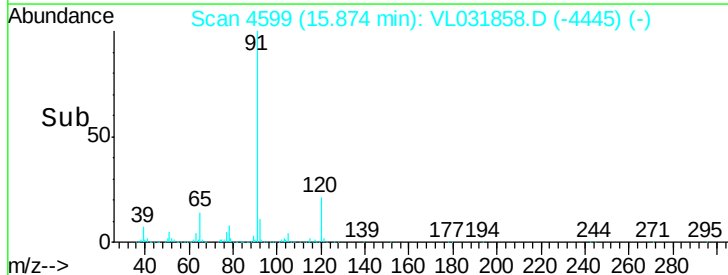
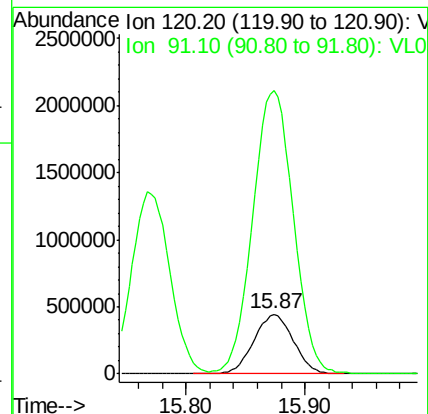
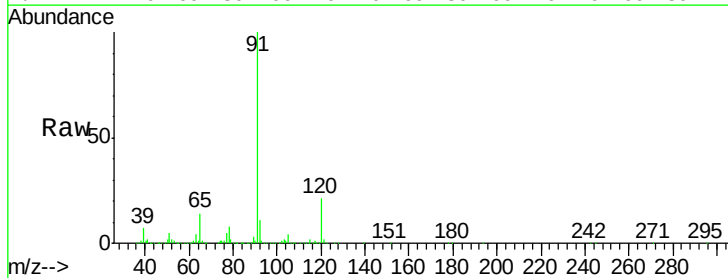
Acq: 12 Apr 2018 5:26

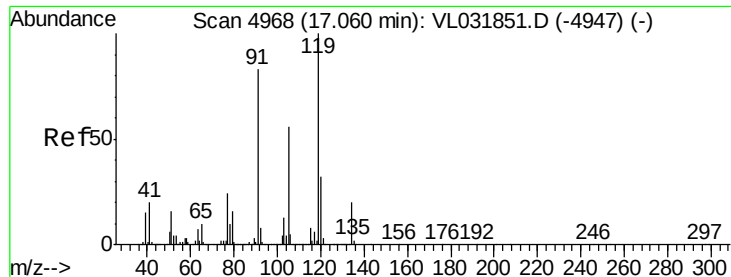
Tgt Ion: 120 Resp: 1019114

Ion Ratio Lower Upper

120 100

91 489.3 393.7 590.5





#65

tert-Butylbenzene

Concen: 8.458 ppbv

RT: 17.06 min Scan# 4969

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion:119 Resp: 3486857

Ion Ratio Lower Upper

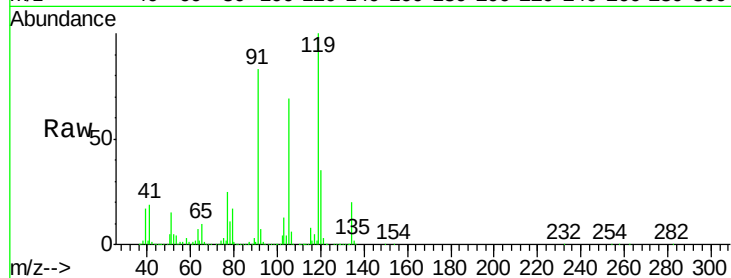
119 100

91 86.5 69.4 104.0

134 19.4 15.4 23.2

Manual Integrations
APPROVED

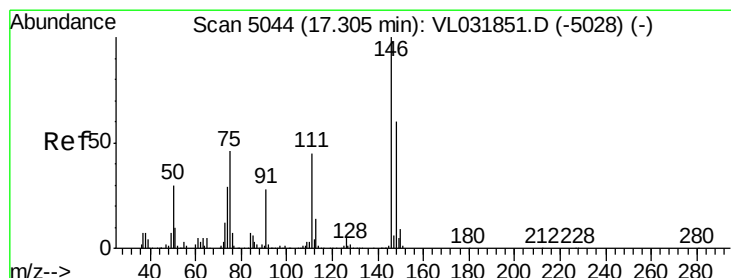
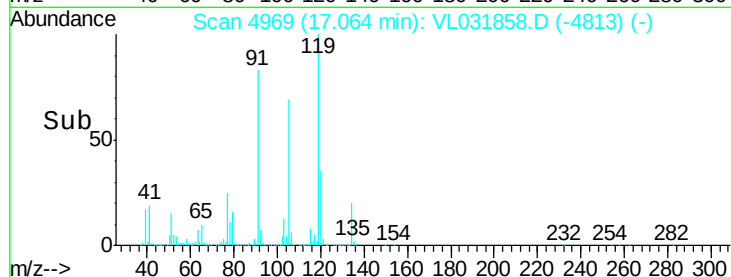
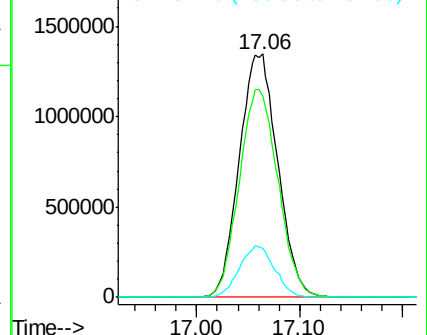
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.340 ppbv

RT: 17.31 min Scan# 5046

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

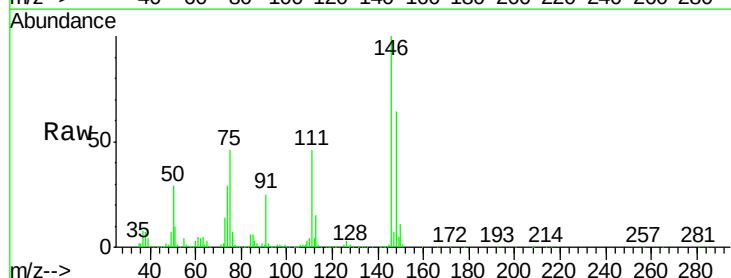
Tgt Ion: 91 Resp: 384076

Ion Ratio Lower Upper

91 100

126 16.0 12.6 19.0

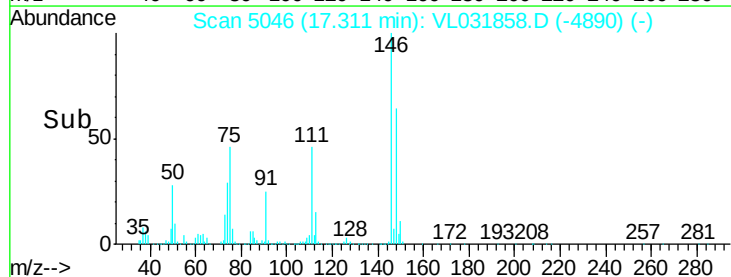
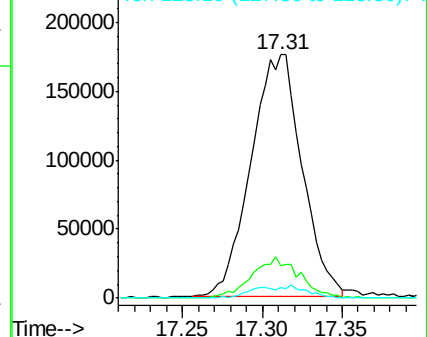
128 5.4 4.0 6.0

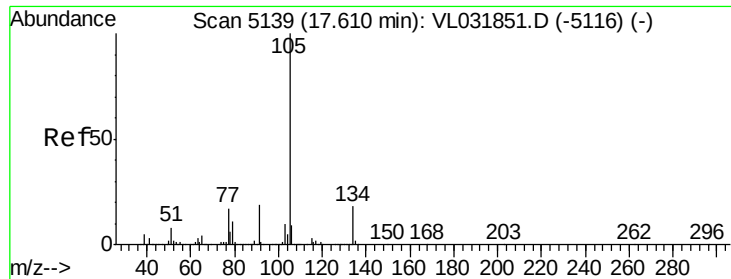


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.313 ppbv

RT: 17.61 min Scan# 5139

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 105 Resp: 4936765

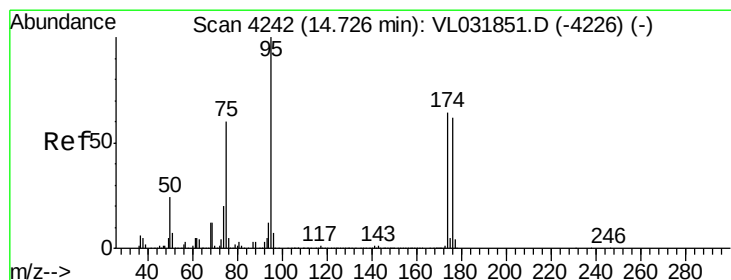
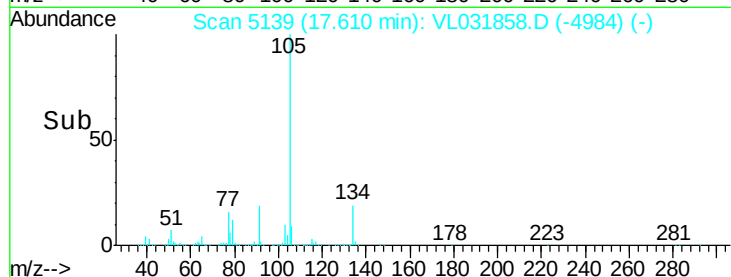
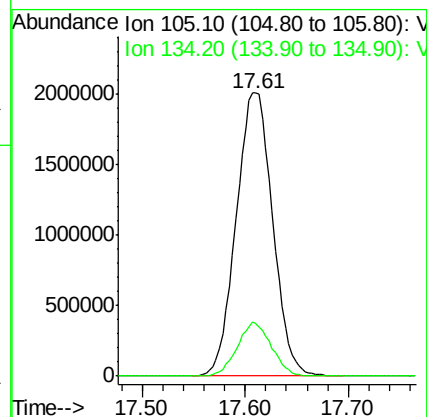
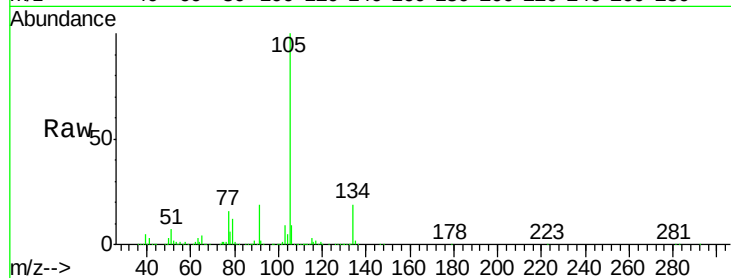
Ion Ratio Lower Upper

105 100

134 18.0 14.2 21.2

Manual Integrations
APPROVED

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.781 ppbv

RT: 14.73 min Scan# 4243

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

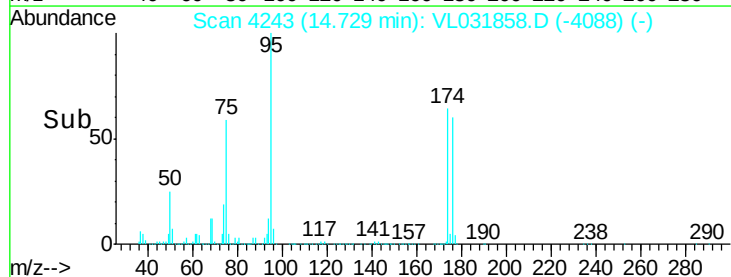
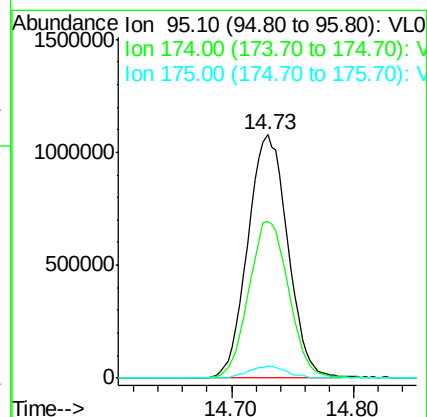
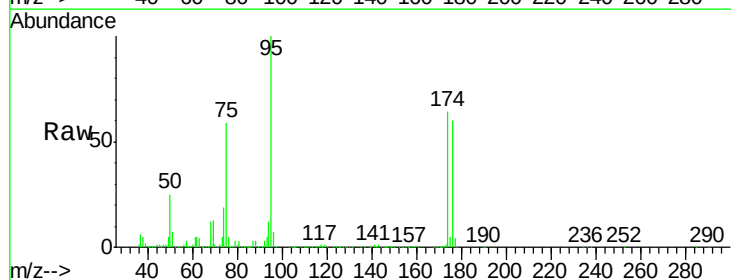
Tgt Ion: 95 Resp: 2434983

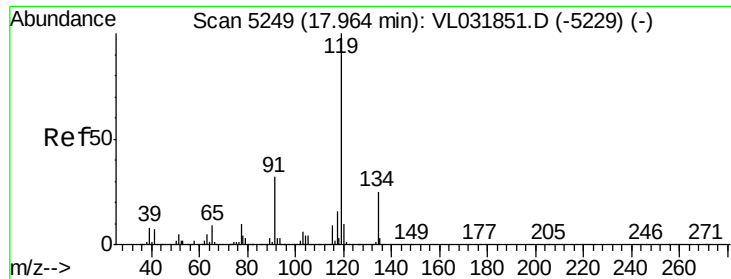
Ion Ratio Lower Upper

95 100

174 65.0 52.3 78.5

175 4.7 3.9 5.9





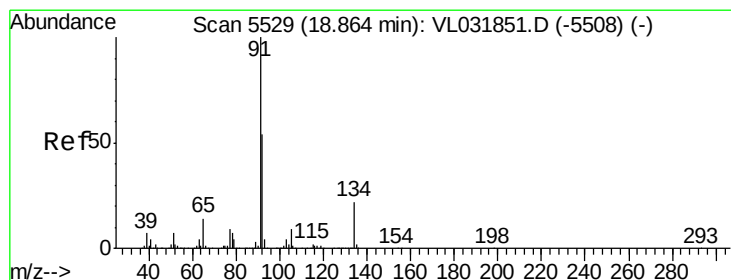
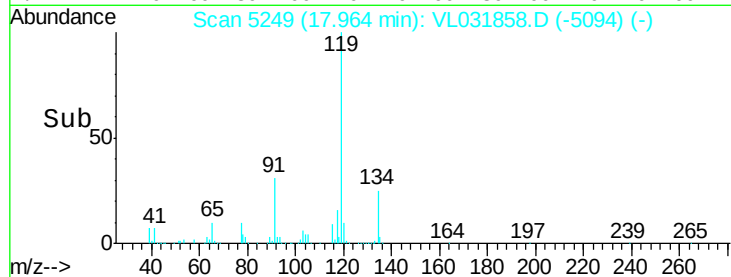
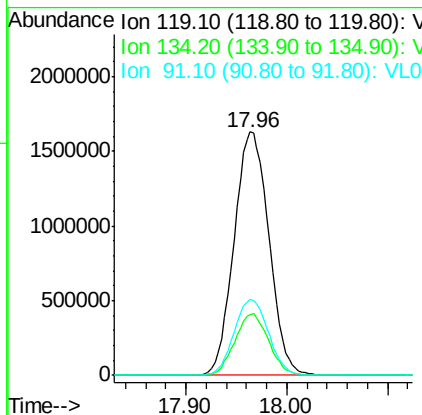
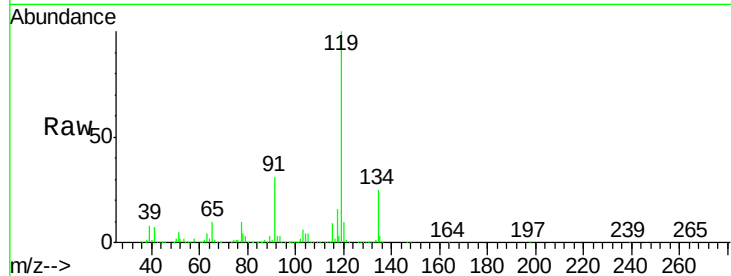
#69
 p-Isopropyltoluene
 Concen: 8.475 ppbv
 RT: 17.96 min Scan# 5249
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.0	30.0
91	30.9	24.9	37.3

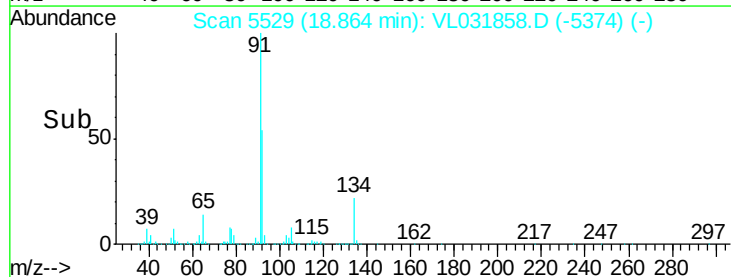
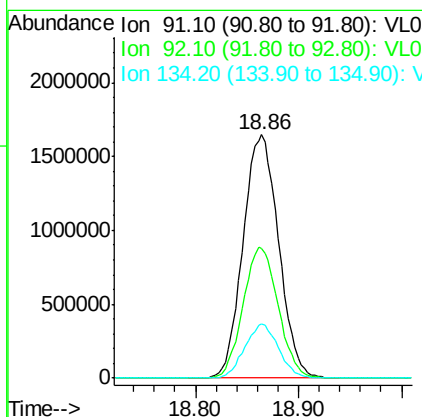
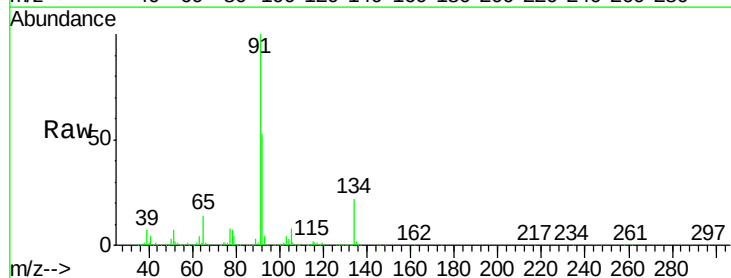
Manual Integrations
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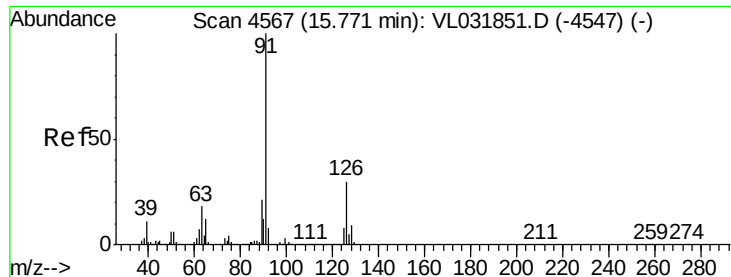
MMDadoda
 4/15/2018 3:06:24 PM



#70
 n-Butylbenzene
 Concen: 8.246 ppbv
 RT: 18.86 min Scan# 5529
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.2	63.4
134	21.2	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.870 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tot Ion: 91 Resp: 3073928

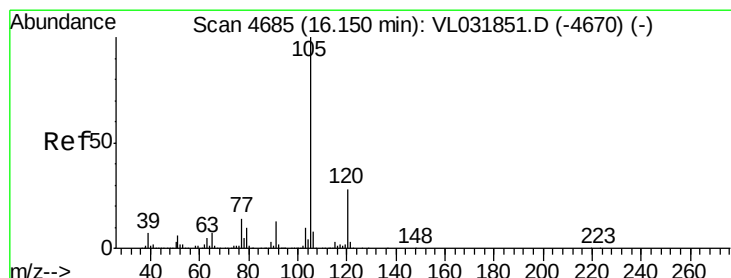
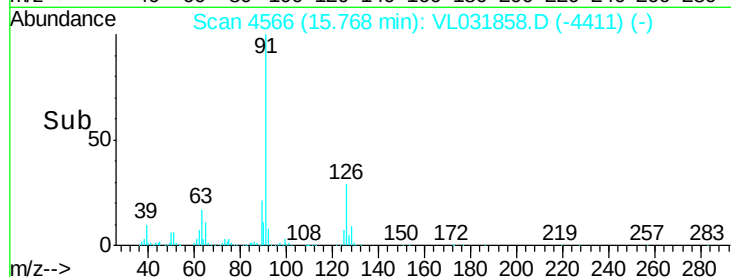
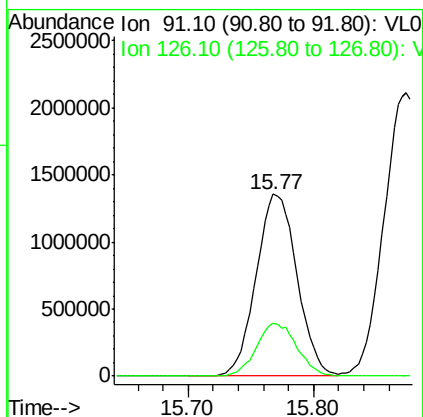
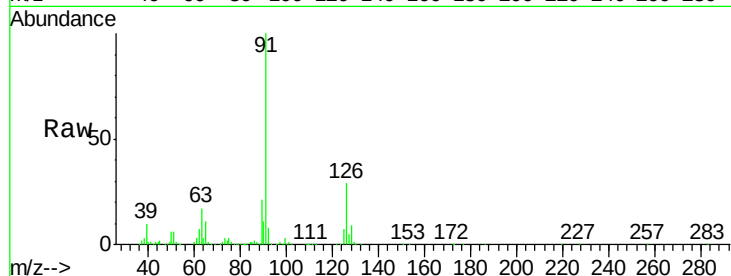
Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.2

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.691 ppbv

RT: 16.15 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 105 Resp: 3314206

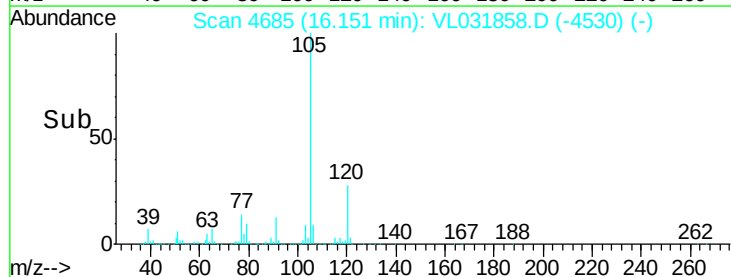
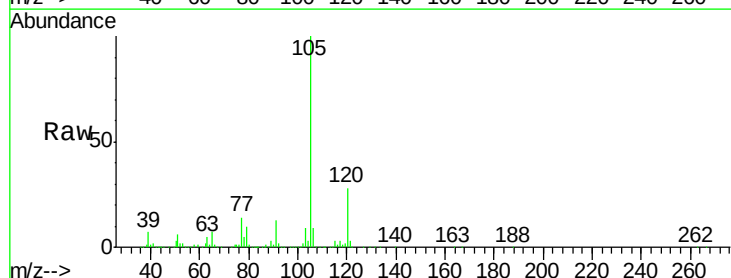
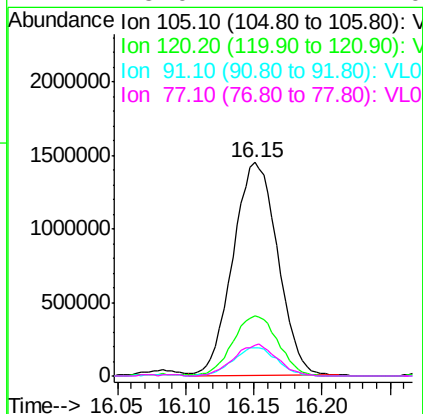
Ion Ratio Lower Upper

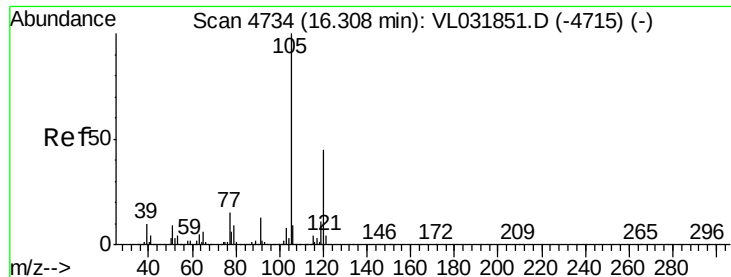
105 100

120 28.6 22.7 34.1

91 13.2 10.6 16.0

77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 8.611 ppbv

RT: 16.31 min Scan# 4735

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampled :

ICVVL041218

Tot Ion:105 Resp: 3006159

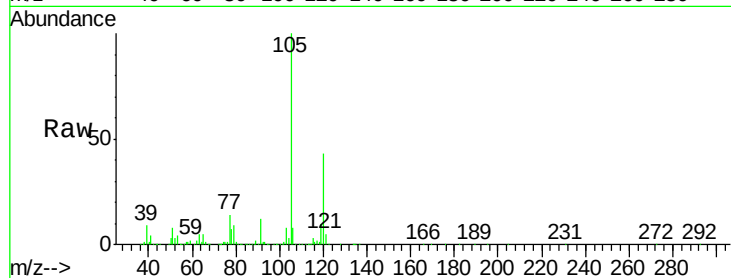
Ion Ratio Lower Upper

105 100

120 42.6 35.3 52.9

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

Ion 120.20 (119.90 to 120.90): V

16.31

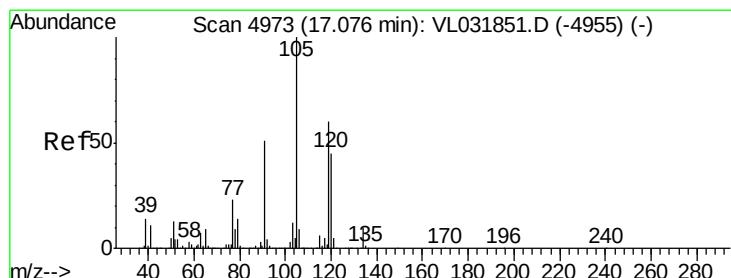
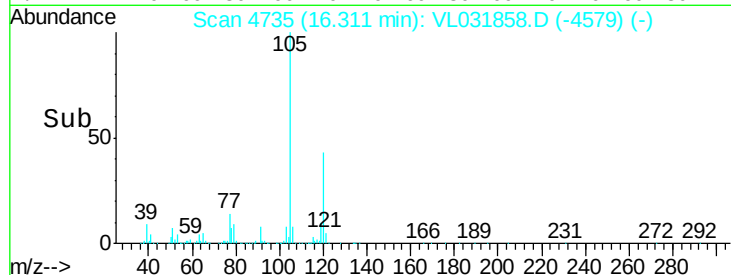
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.063 ppbv

RT: 17.08 min Scan# 4974

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:105 Resp: 3141934

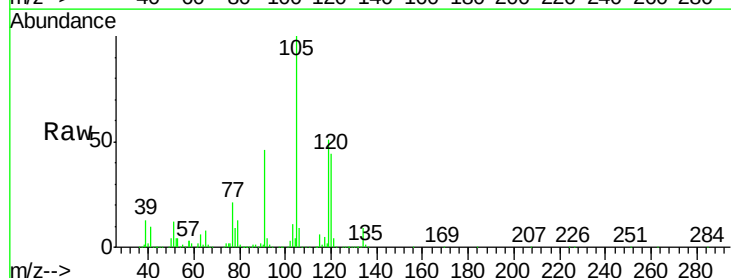
Ion Ratio Lower Upper

105 100

120 44.3 37.0 55.4

91 45.7 43.0 64.4

77 20.7 18.7 28.1



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

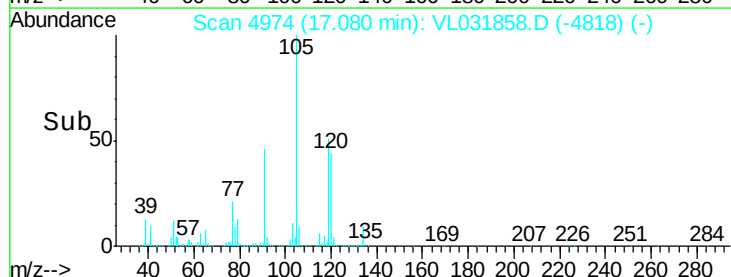
1500000

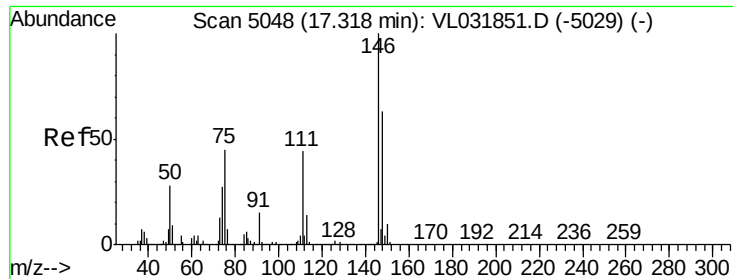
1000000

500000

0

Time-->





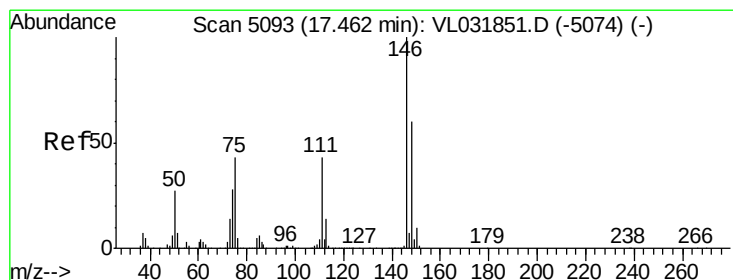
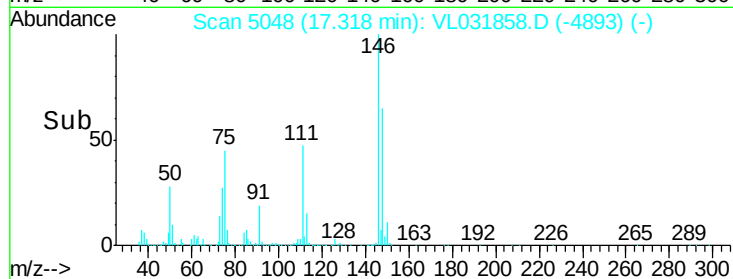
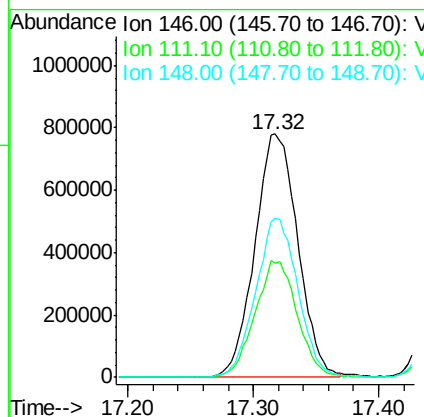
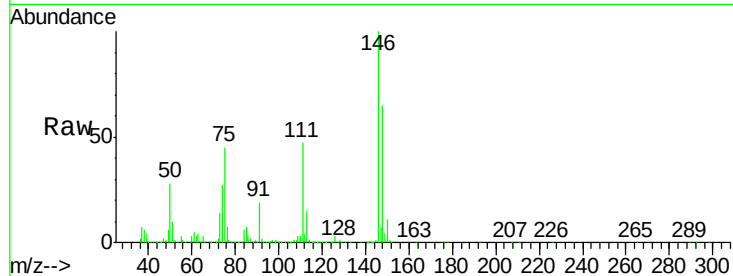
#75
 1,3-Dichlorobenzene
 Concen: 7.788 ppbv
 RT: 17.32 min Scan# 5048
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.8	71.4
148	64.4	32.0	96.2

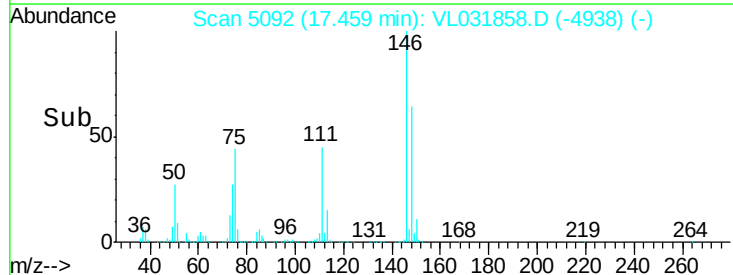
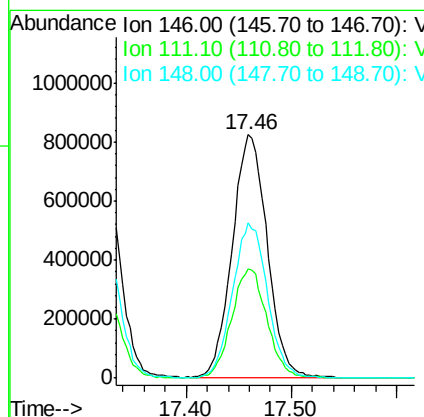
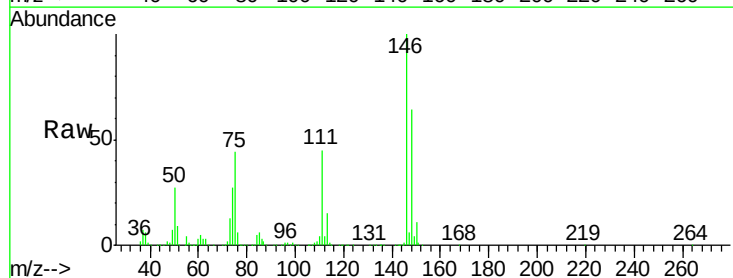
Manual Integrations
 APPROVED

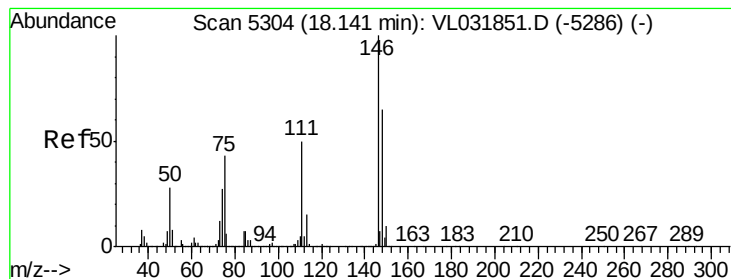
MMDadoda
 4/15/2018 3:06:24 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.141 ppbv
 RT: 17.46 min Scan# 5092
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.9	68.7
148	64.1	32.0	96.0





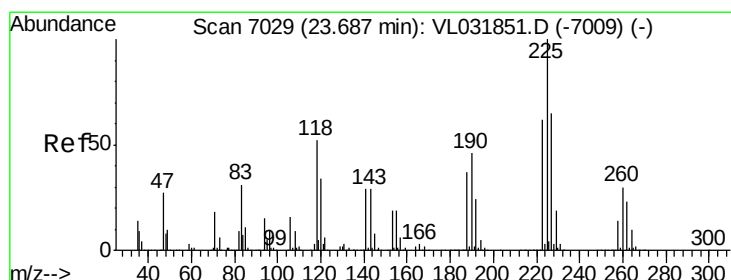
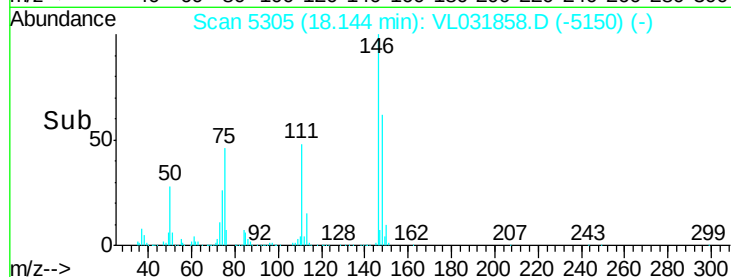
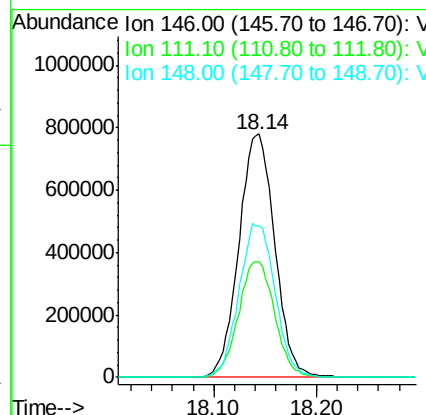
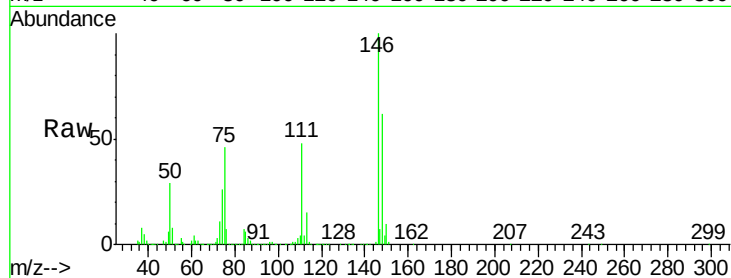
#77
 1,2-Dichlorobenzene
 Concen: 8.015 ppbv
 RT: 18.14 min Scan# 5305
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.3	72.8
148	63.9	31.8	95.3

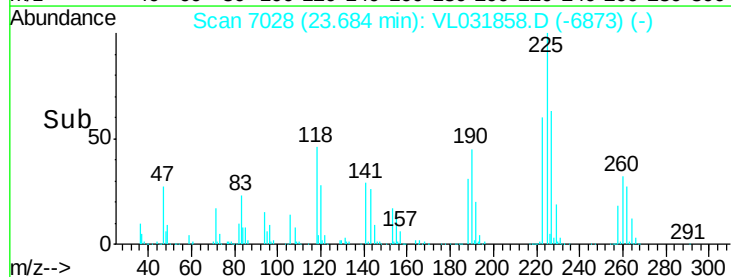
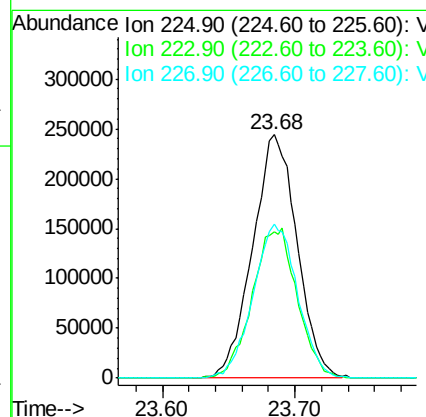
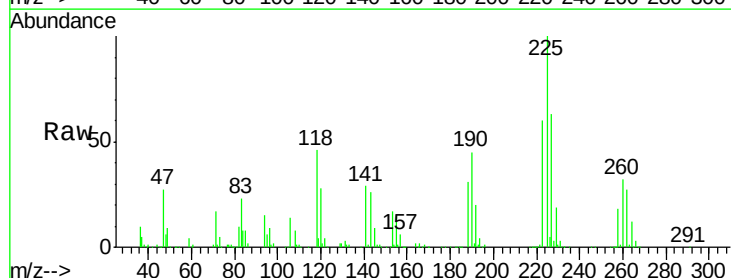
Manual Integrations
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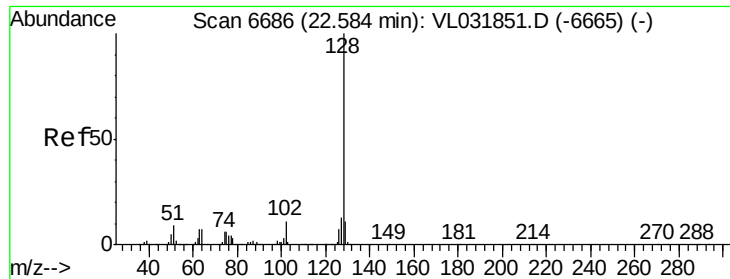
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 6.319 ppbv
 RT: 23.68 min Scan# 7028
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	76.0
227	63.6	52.2	78.4





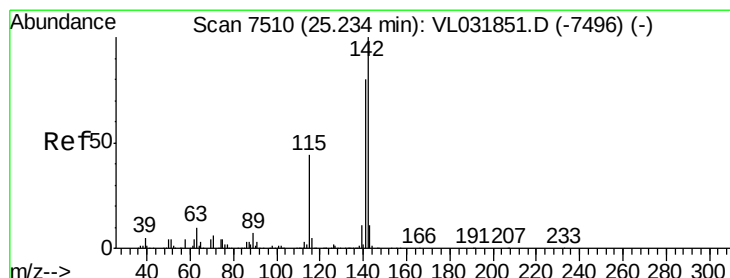
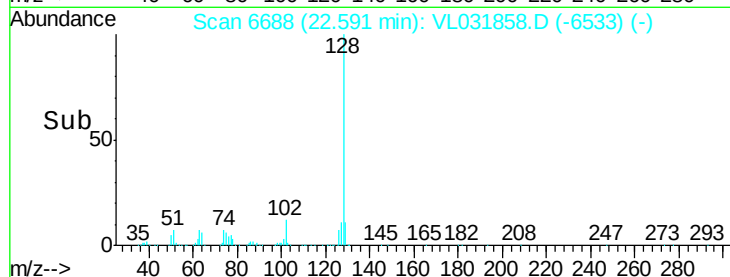
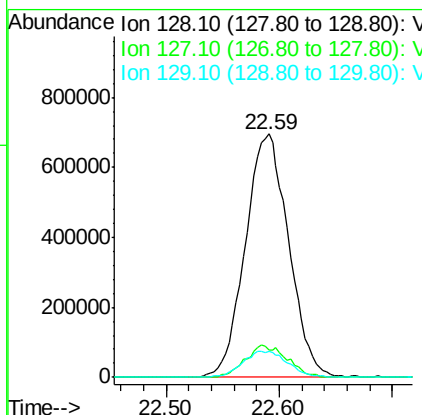
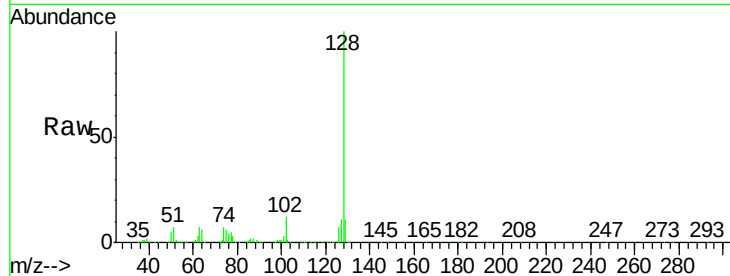
#79
Naphthalene
Concen: 8.423 ppbv
RT: 22.59 min Scan# 6688
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.2	15.4
129	10.5	9.4	14.2

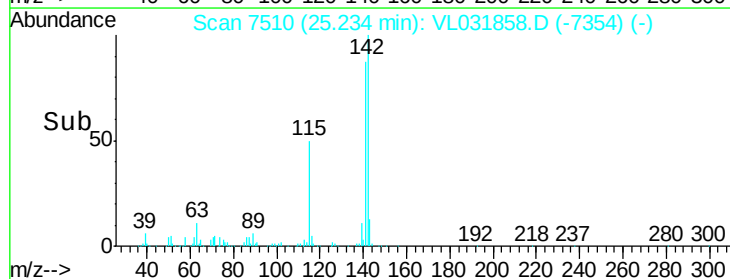
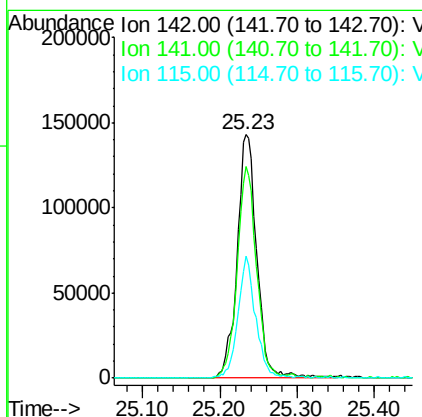
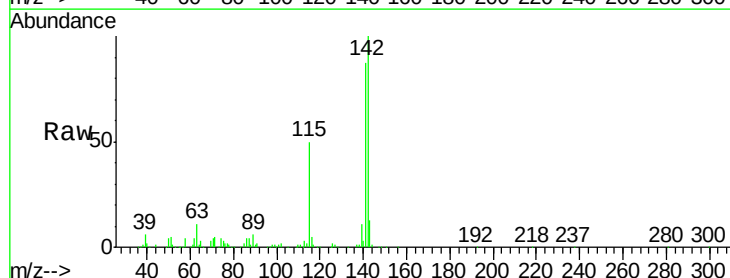
Manual Integrations
APPROVED

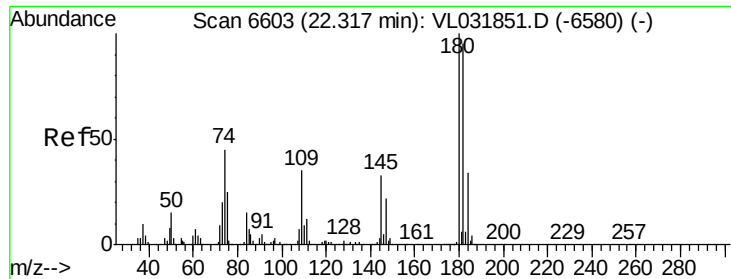
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4/15/2018 3:06:24 PM



#80
Naphthalene, 2-methyl-
Concen: 5.794 ppbv
RT: 25.23 min Scan# 7510
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	67.0	100.4
115	45.1	35.3	52.9





#81
 1,2,4-Trichlorobenzene
 Concen: 7.518 ppbv
 RT: 22.32 min Scan# 6603
 Delta R.T. 0.01 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV041218

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.3	114.5
184	30.3	24.2	36.2

Manual Integrations
 APPROVED

MMDadoda
 4/15/2018 3:06:24 PM

