

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081518\
 Data File : VL032348.D
 Acq On : 15 Aug 2018 9:57
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:21 PM

Quant Time: Aug 15 11:43:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2383700	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.35	114	4760938	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.31	117	4784195m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	3690646	9.94	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	1874902	6.521	ppbv	97
3) Chlorodifluoromethane	3.05	51	2053544	8.616	ppbv	99
4) Chloromethane	3.21	50	1234555	8.555	ppbv	99
5) Vinyl Chloride	3.33	62	1160717	8.848	ppbv	100
6) Bromomethane	3.56	94	641869	8.911	ppbv	95
7) Chloroethane	3.64	64	409103	8.770	ppbv	97
8) Dichlorotetrafluoroethane	3.26	85	2408092	8.293	ppbv	99
9) Propene	3.07	41	982071	9.164	ppbv	99
10) Heptane	8.31	43	2864541	7.615	ppbv	99
11) Trichlorofluoromethane	4.05	101	2366468	8.617	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1636220	8.727	ppbv	99
13) Ethanol	3.69	45	236667	7.685	ppbv	98
14) Bromoethene	3.83	108	738344	8.971	ppbv	100
15) Acetone	3.95	43	1864538	8.299	ppbv	100
16) 1,3-Butadiene	3.40	39	869504	7.465	ppbv	85
17) tert-Butyl alcohol	4.41	59	344904	4.830	ppbv	99
18) 1,1-Dichloroethene	4.40	96	793070	9.117	ppbv	97
19) Isopropyl Alcohol	4.06	45	1451454	9.682	ppbv	99
20) Methylene Chloride	4.46	84	699435	7.746	ppbv	95
21) Allyl Chloride	4.53	41	1420940	9.271	ppbv	99
22) trans-1,2-Dichloroethene	5.02	96	875635	10.439	ppbv	100
23) Vinyl Acetate	5.21	43	4126637	10.239	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2821111	9.758	ppbv	100
25) Ethyl Acetate	5.82	43	4745638	9.413	ppbv	100
26) Hexane	5.84	57	2177043	9.543	ppbv	99
27) Carbon Disulfide	4.67	76	2104942	10.149	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	3168860	10.270	ppbv	100
29) Chloroform	5.90	83	3134853	9.447	ppbv	98
30) Cyclohexane	7.31	84	1711443	9.615	ppbv	98
31) cis-1,2-Dichloroethene	5.70	61	2194667	10.376	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2981237	10.152	ppbv	99
34) 2-Butanone	5.38	43	3298484	10.704	ppbv	99
35) Carbon Tetrachloride	7.20	117	2976599	11.007	ppbv	98
36) Benzene	7.07	78	4304439	10.257	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2412002	9.947	ppbv	100
38) Trichloroethene	8.03	130	1448807	8.933	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1777765	8.420	ppbv	96
40) 1,4-Dioxane	8.02	88	595073	9.598	ppbv	83
41) Tetrahydrofuran	6.20	42	1917293	10.999	ppbv	98
42) Bromodichloromethane	7.98	83	3363188	8.567	ppbv	100
43) Methyl Methacrylate	8.20	69	1810818	8.989	ppbv	98

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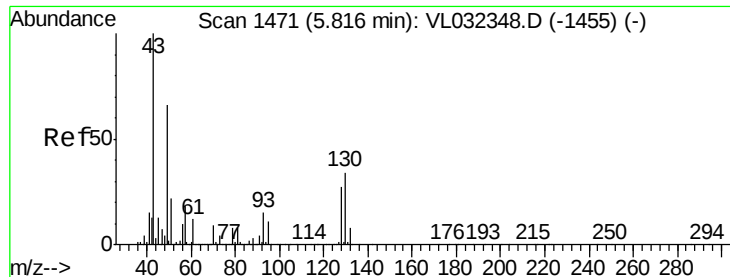
Manual Integrations
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 8/17/2018 2:06:21 PM

Quant Time: Aug 15 11:43:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	7520931	8.264	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	2329326	9.979	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2663259	9.312	ppbv	96
47) 1,1,2-Trichloroethane	9.68	97	1837905	8.955	ppbv	98
48) Dibromochloromethane	10.52	129	2688629	8.887	ppbv	100
49) Bromoform	13.28	173	2222243	8.921	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	4620400	8.498	ppbv	100
51) 2-Hexanone	10.34	43	4109469	9.918	ppbv	99
52) Tetrachloroethene	11.44	164	1261575	8.921	ppbv	96
53) Toluene	10.02	91	5167519	10.300	ppbv	100
54) 1,2-Dibromoethane	10.83	107	2511116	8.610	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1897183	9.617	ppbv #	56
57) Chlorobenzene	12.37	112	3414004	9.177	ppbv	99
58) Ethyl Benzene	12.93	91	6243255	10.409	ppbv	99
59) m/p-Xylene	13.22	91	10012809m	19.607	ppbv	
60) o-Xylene	13.92	91	4898501	9.784	ppbv	100
61) Styrene	13.76	104	3875061	10.516	ppbv	100
62) Isopropylbenzene	14.90	105	6940731	9.758	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3684804	9.044	ppbv	100
64) n-propylbenzene	15.79	120	1839762	9.935	ppbv	100
65) tert-Butylbenzene	16.98	119	5826825	9.696	ppbv	100
66) Benzyl Chloride	17.22	91	4113372	11.484	ppbv	99
67) sec-Butylbenzene	17.53	105	8727455	9.699	ppbv	100
69) p-Isopropyltoluene	17.89	119	6886266	9.877	ppbv	100
70) n-Butylbenzene	18.78	91	7616838	9.462	ppbv	100
71) 2-Chlorotoluene	15.69	91	5587008	10.009	ppbv	100
72) 4-Ethyltoluene	16.07	105	5834038	10.397	ppbv	99
73) 1,3,5-Trimethylbenzene	16.23	105	5518771	9.992	ppbv	100
74) 1,2,4-Trimethylbenzene	17.00	105	5514012	9.470	ppbv	99
75) 1,3-Dichlorobenzene	17.24	146	3133175	9.292	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	3183870	9.841	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	3086162	9.315	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	938938	8.059	ppbv	100
79) Naphthalene	22.49	128	5411394	10.709	ppbv	99
80) Naphthalene,2-methyl-	25.16	142	2347355	11.740	ppbv	100
81) 1,2,4-Trichlorobenzene	22.22	180	2612628	10.347	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 49 Resp: 2383700

Ion Ratio Lower Upper

49 100

128 41.1 20.2 60.6

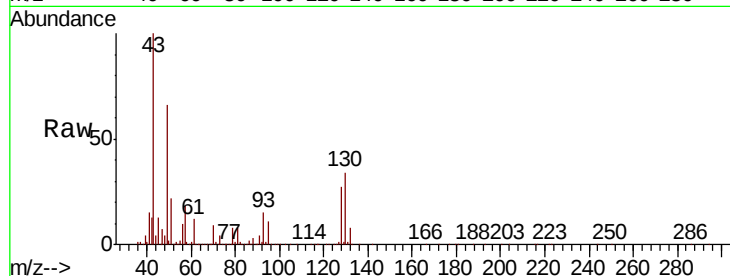
130 52.3 25.8 77.3

Manual Integrations

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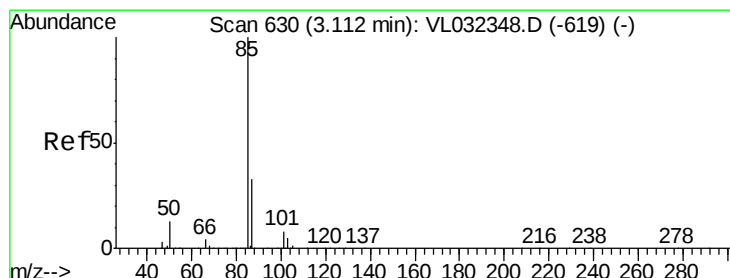
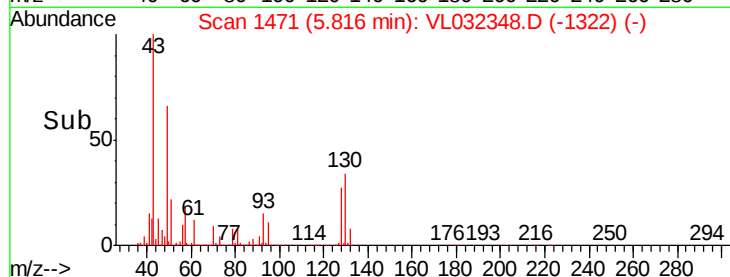
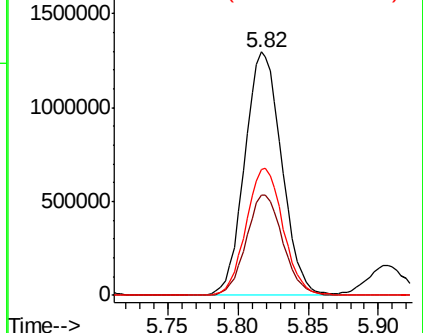
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.521 ppbv

RT: 3.11 min Scan# 630

Delta R.T. -0.01 min

Lab File: VL032348.D

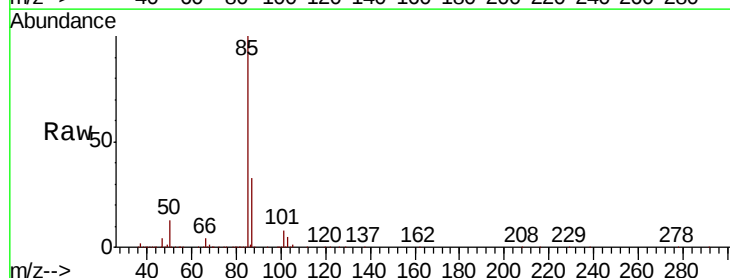
Acq: 15 Aug 2018 9:57

Tgt Ion: 85 Resp: 1874902

Ion Ratio Lower Upper

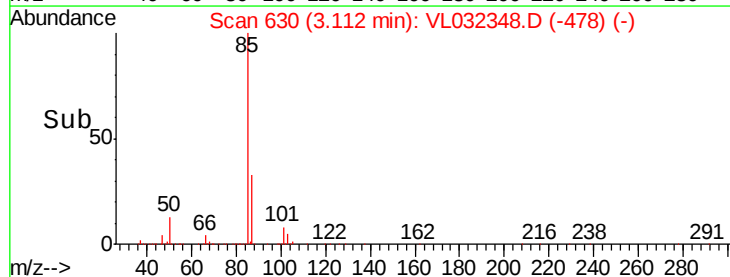
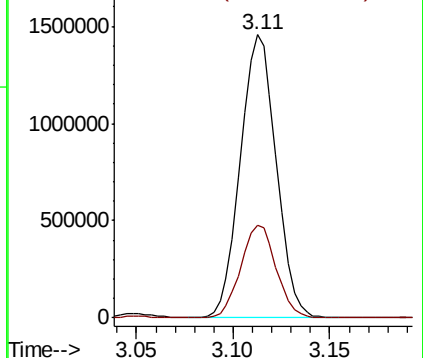
85 100

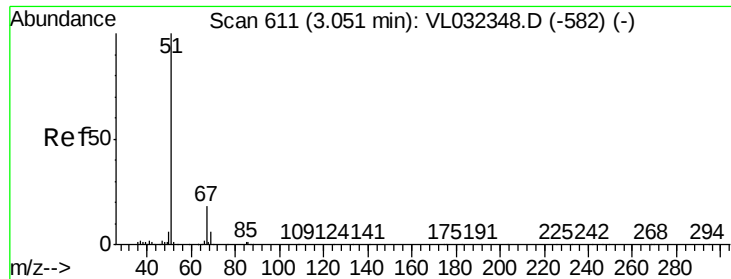
87 32.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





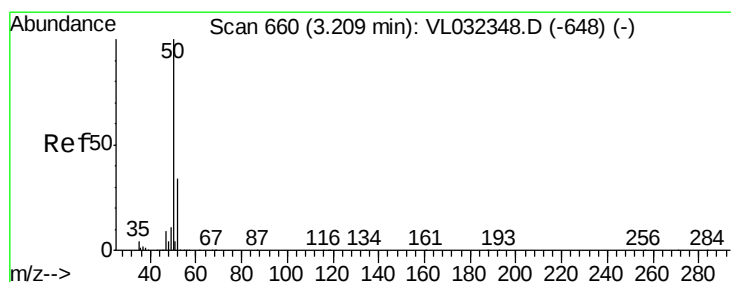
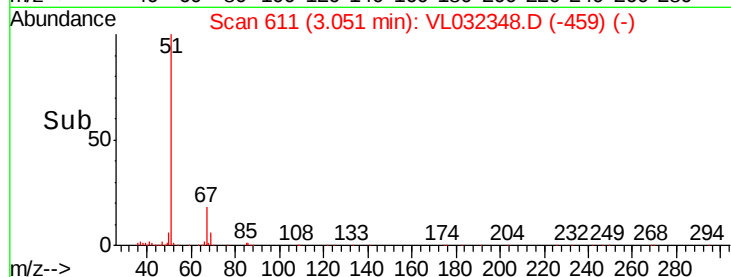
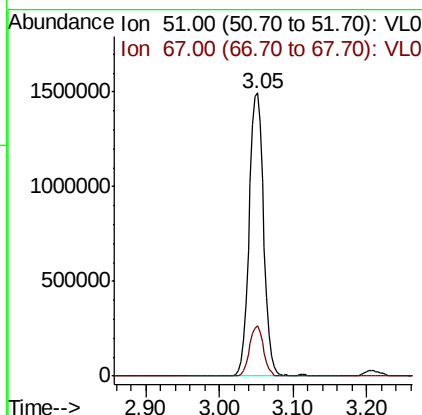
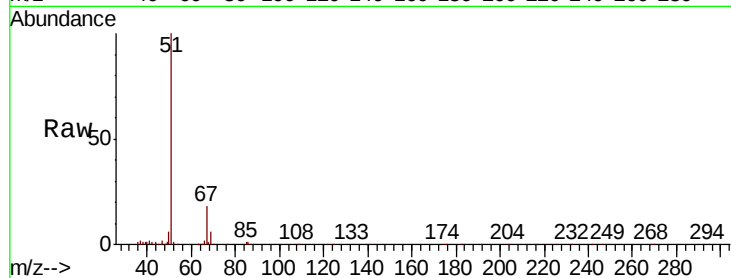
#3
Chlorodifluoromethane
Concen: 8.616 ppbv
RT: 3.05 min Scan# 611
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 2053544
Ion Ratio Lower Upper
51 100
67 17.1 13.5 20.3

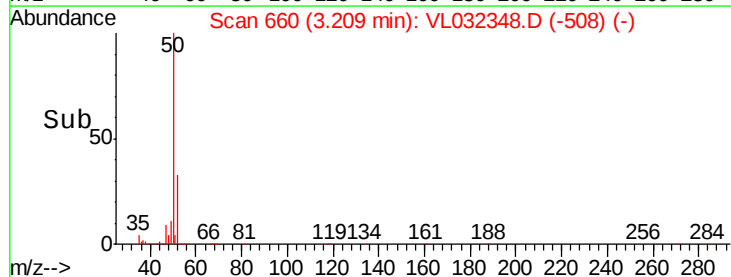
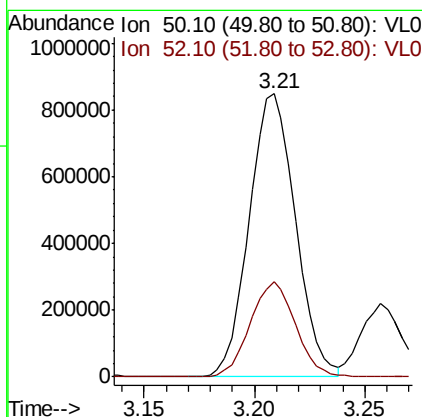
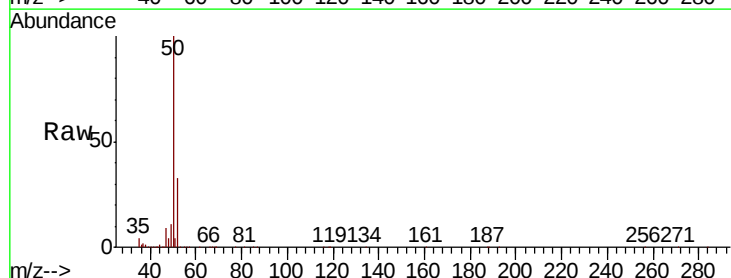
Manual Integrations
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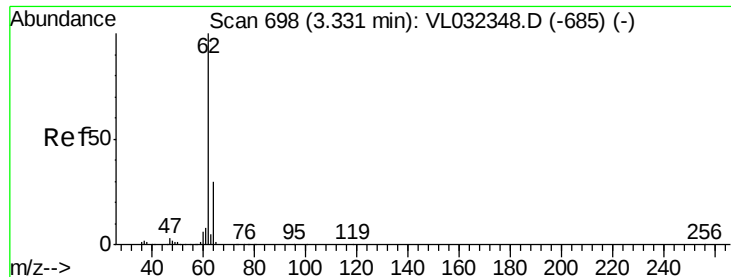
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#4
Chloromethane
Concen: 8.555 ppbv
RT: 3.21 min Scan# 660
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 50 Resp: 1234555
Ion Ratio Lower Upper
50 100
52 33.5 26.2 39.4





#5

Vinyl Chloride

Concen: 8.848 ppbv

RT: 3.33 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 1160717

Ion Ratio Lower Upper

62 100

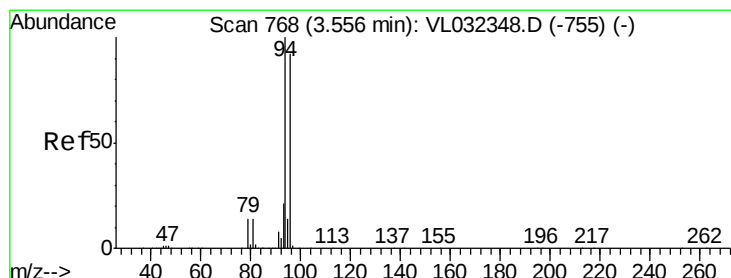
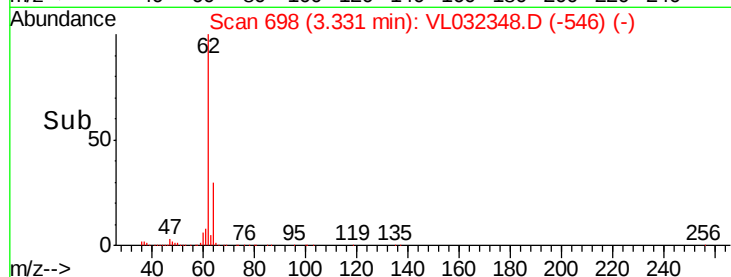
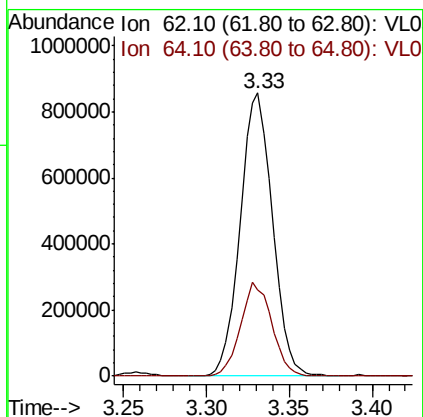
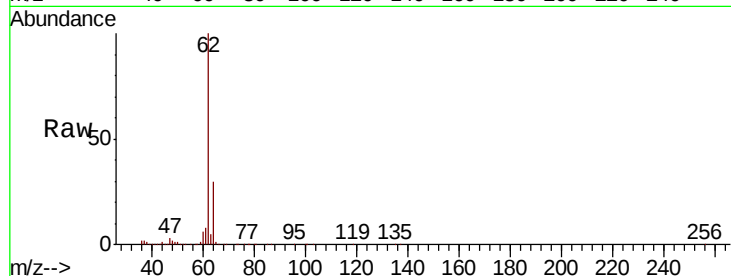
64 30.2 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 8.911 ppbv

RT: 3.56 min Scan# 768

Delta R.T. -0.01 min

Lab File: VL032348.D

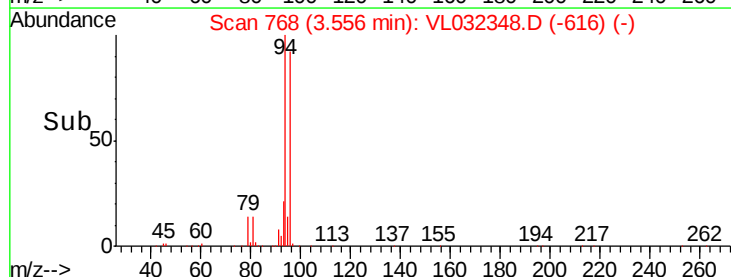
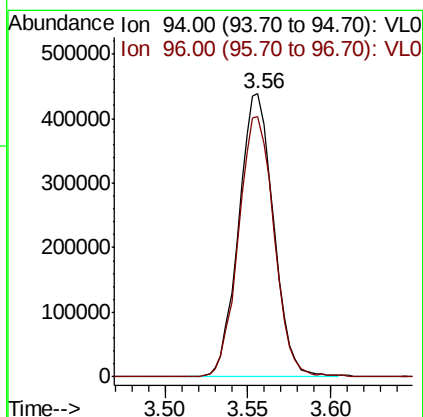
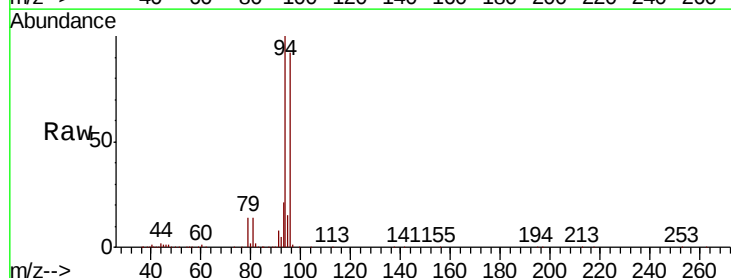
Acq: 15 Aug 2018 9:57

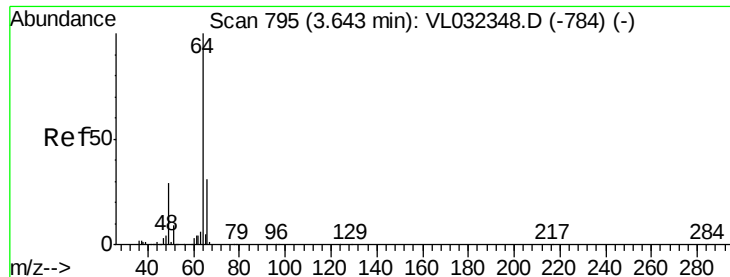
Tgt Ion: 94 Resp: 641869

Ion Ratio Lower Upper

94 100

96 92.1 70.2 105.4





#7

Chloroethane

Concen: 8.770 ppbv

RT: 3.64 min Scan# 795

Delta R.T. -0.01 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 64 Resp: 409103

Ion Ratio Lower Upper

64 100

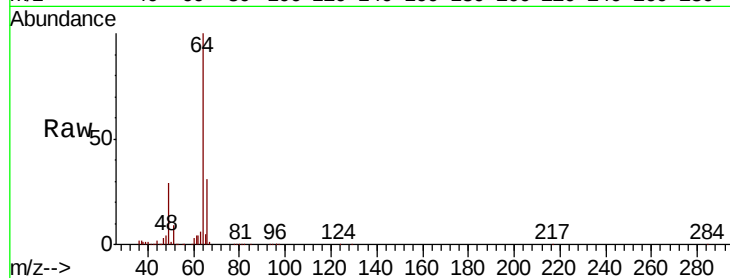
66 30.7 25.7 38.5

Manual Integrations

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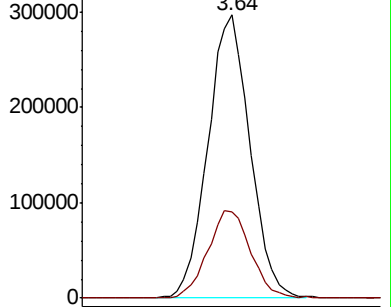
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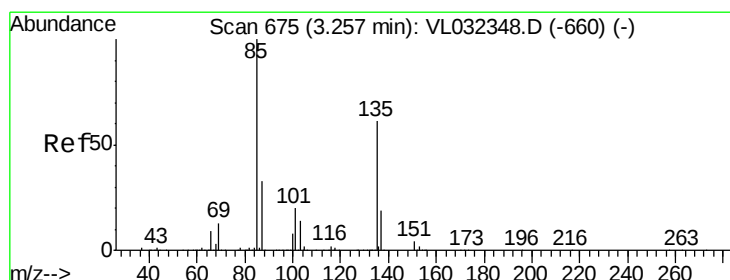
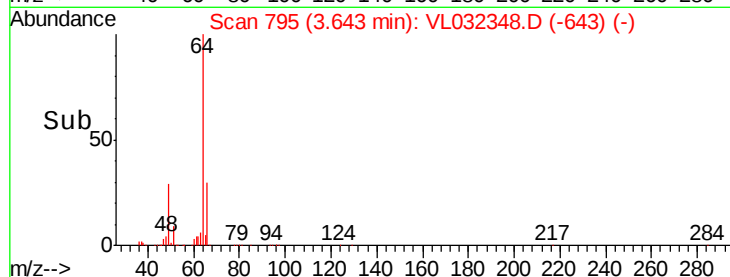


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.293 ppbv

RT: 3.26 min Scan# 675

Delta R.T. -0.01 min

Lab File: VL032348.D

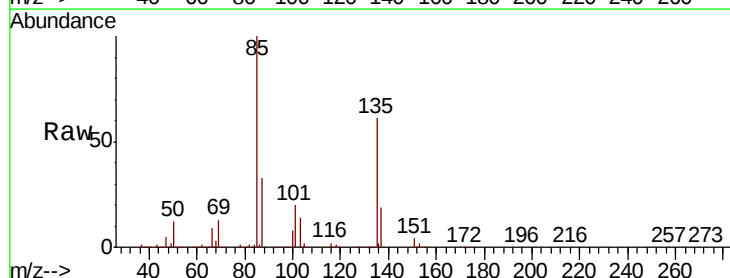
Acq: 15 Aug 2018 9:57

Tgt Ion: 85 Resp: 2408092

Ion Ratio Lower Upper

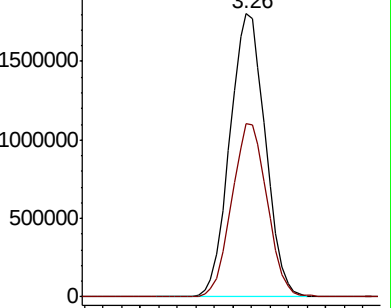
85 100

135 61.3 48.7 73.1

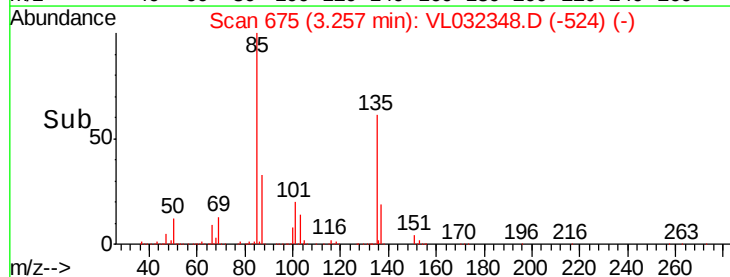


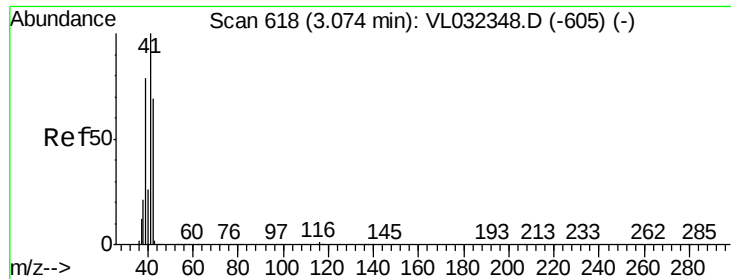
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 9.164 ppbv

RT: 3.07 min Scan# 618

Delta R.T. -0.01 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 982071

Ion Ratio Lower Upper

41 100

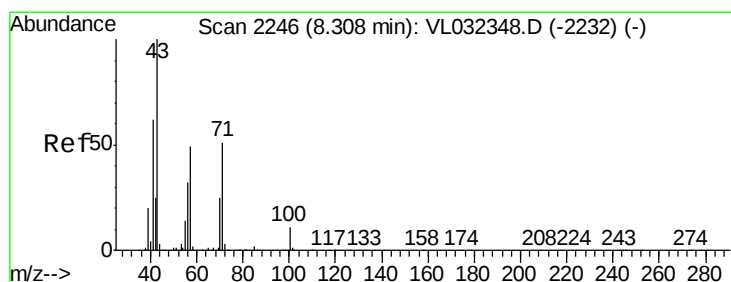
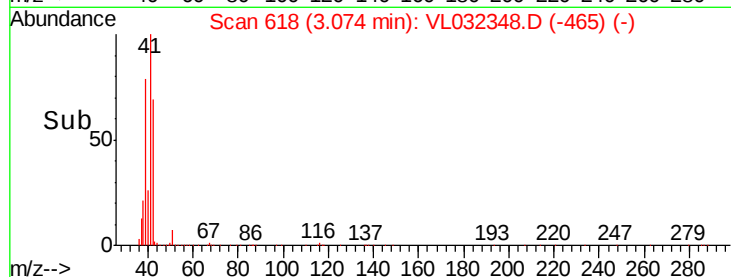
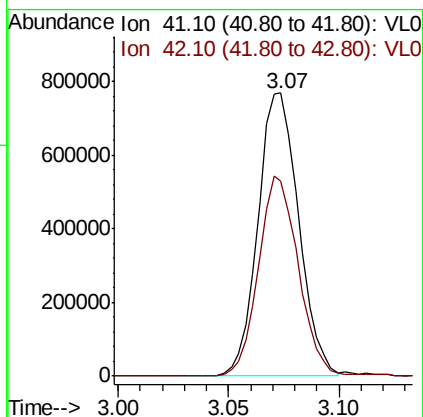
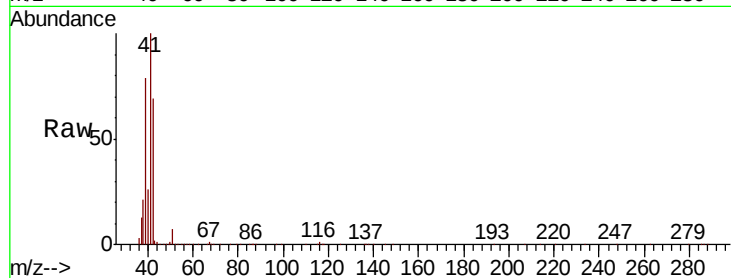
42 69.9 56.8 85.2

Manual Integrations

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#10

Heptane

Concen: 7.615 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. -0.02 min

Lab File: VL032348.D

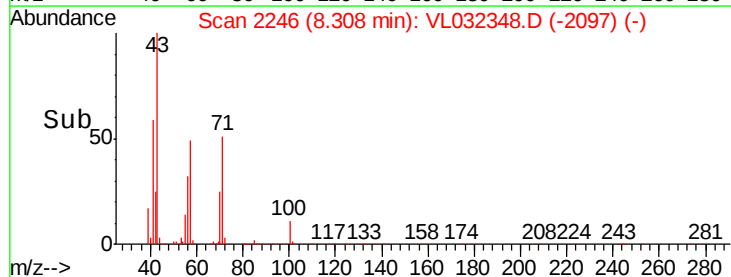
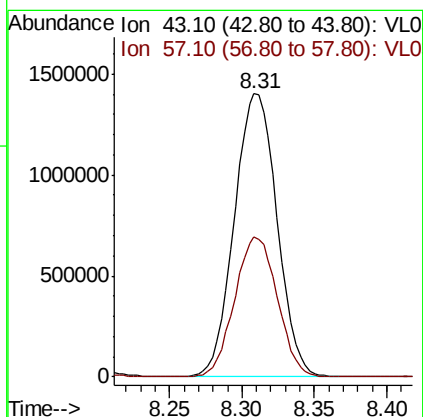
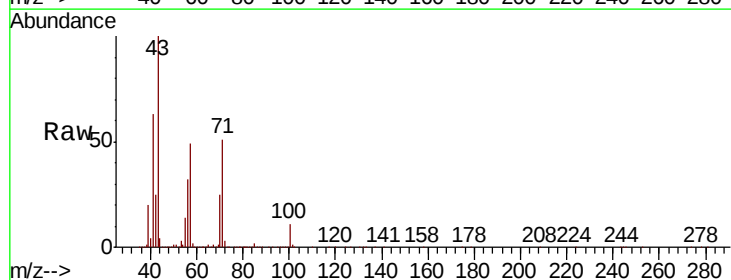
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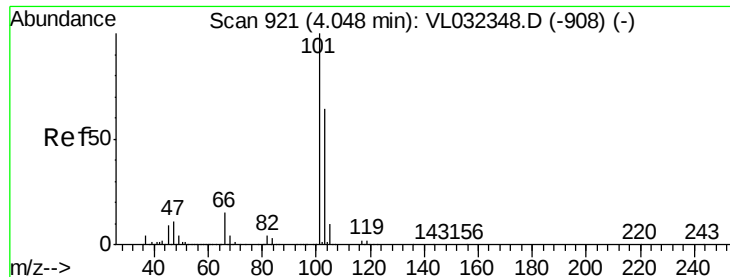
Tgt Ion: 43 Resp: 2864541

Ion Ratio Lower Upper

43 100

57 49.4 39.0 58.4





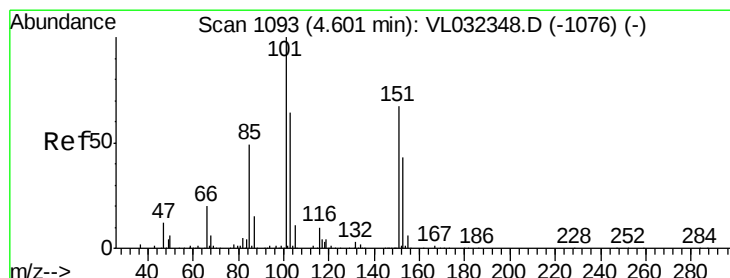
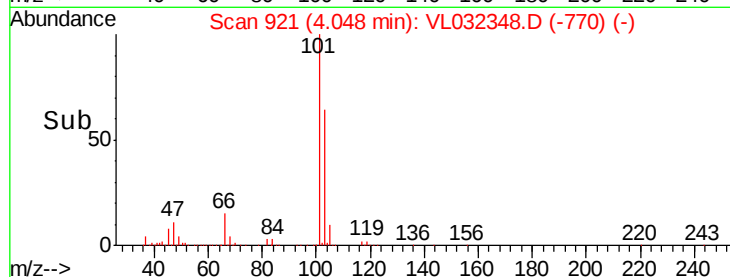
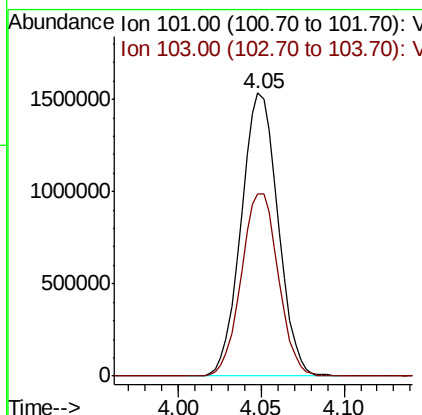
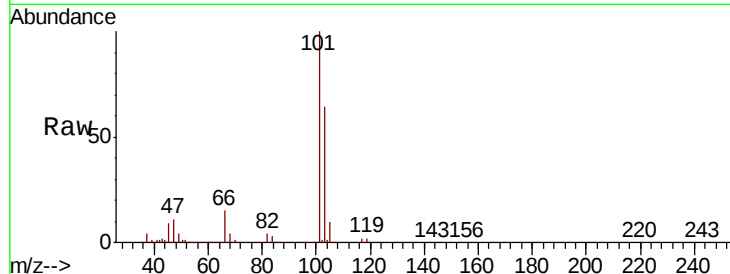
#11
 Trichlorofluoromethane
 Concen: 8.617 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:101 Resp: 2366468
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 78.8

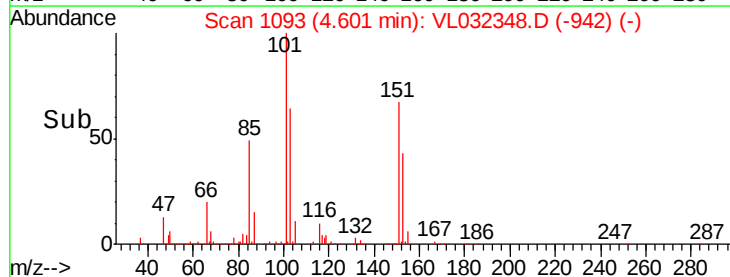
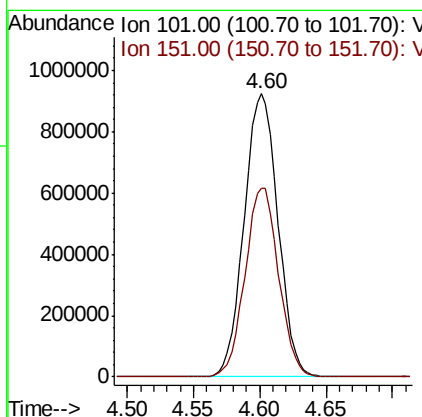
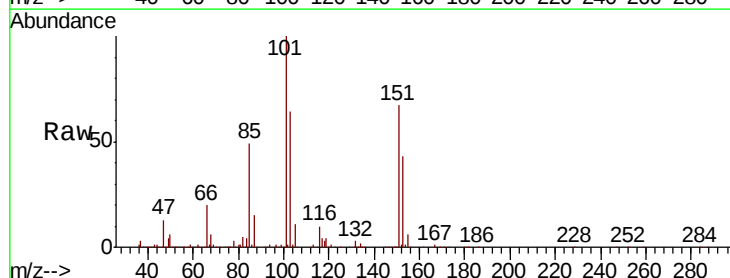
Manual Integrations
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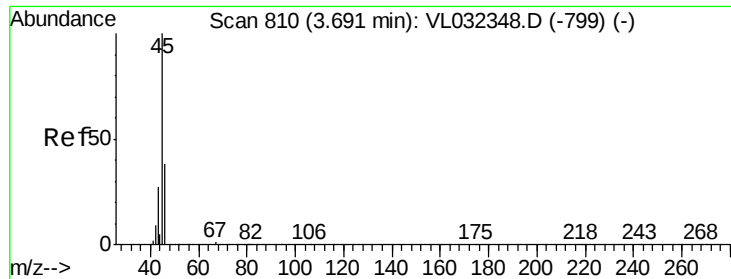
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.727 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion:101 Resp: 1636220
 Ion Ratio Lower Upper
 101 100
 151 66.4 52.4 78.6





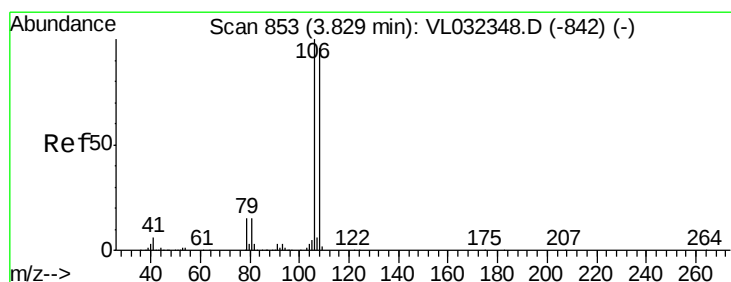
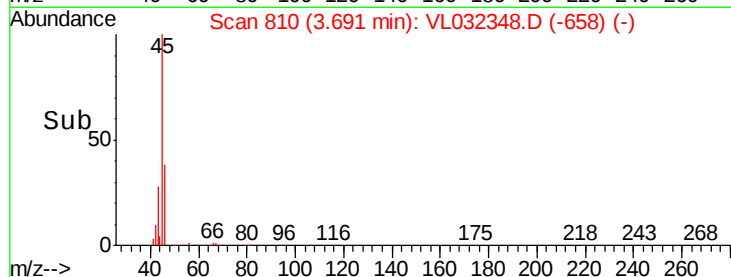
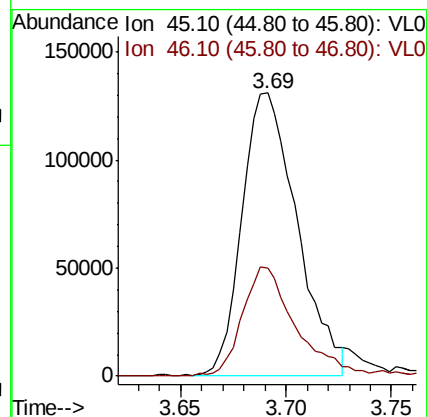
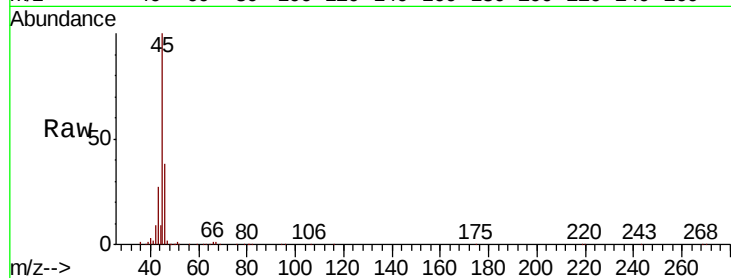
#13
Ethanol
Concen: 7.685 ppbv
RT: 3.69 min Scan# 810
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
45	100		
46	39.0	15.2	60.6

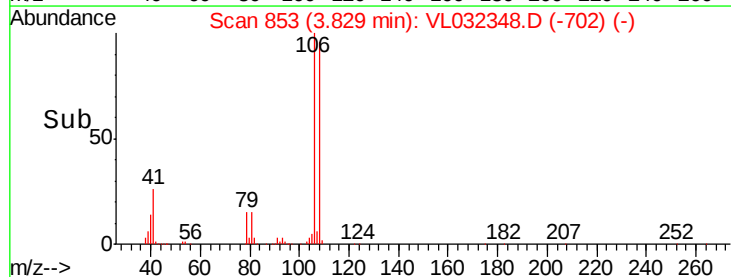
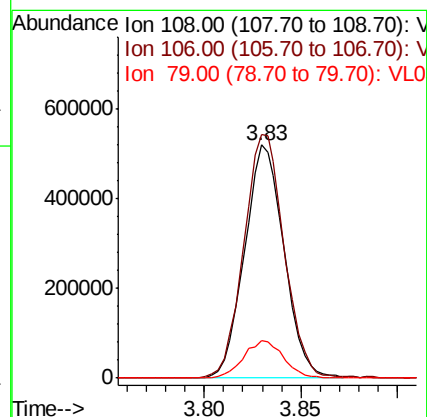
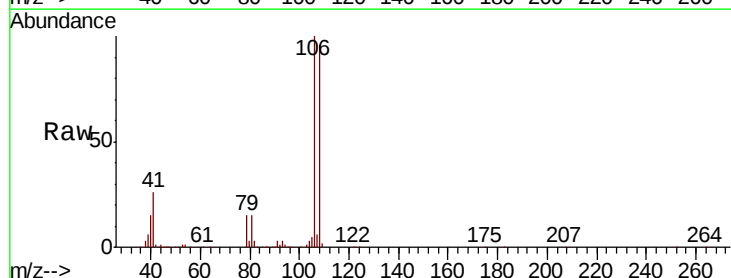
Manual Integrations
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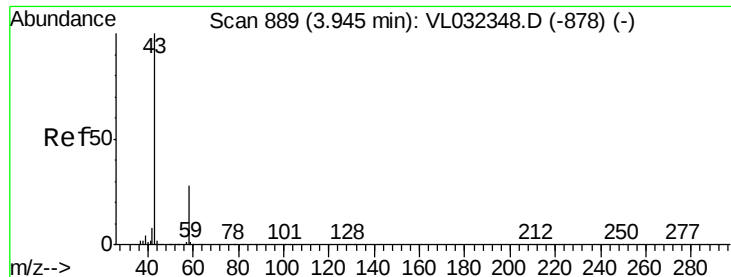
MMDadoda
8/17/2018 2:06:21 PM



#14
Bromoethene
Concen: 8.971 ppbv
RT: 3.83 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.1	86.0	129.0
79	16.4	12.8	19.2





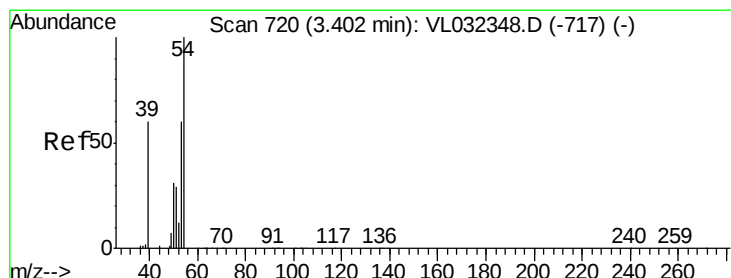
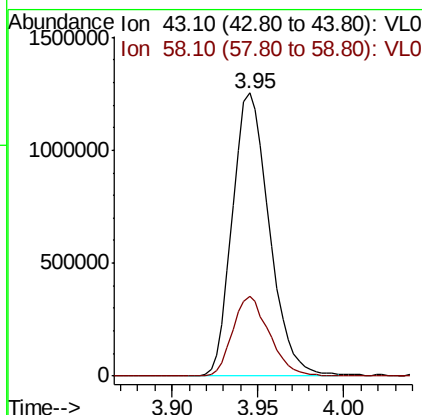
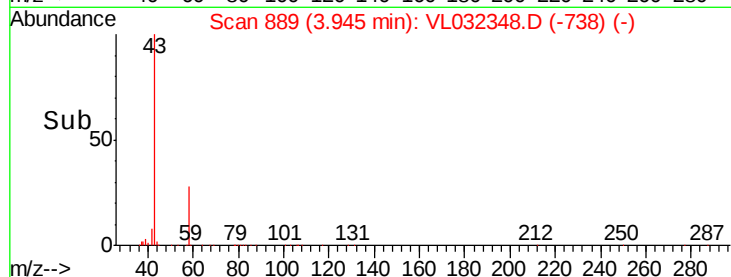
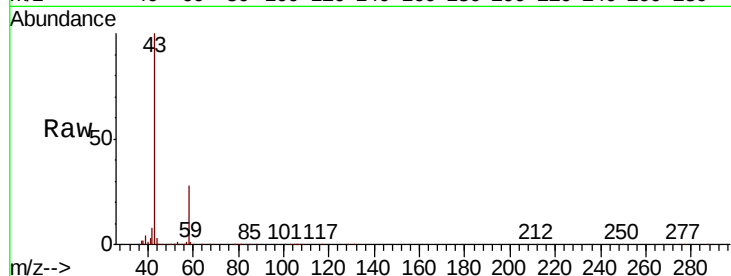
#15
Acetone
Concen: 8.299 ppbv
RT: 3.95 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1864538
Ion Ratio Lower Upper
43 100
58 28.0 22.5 33.7

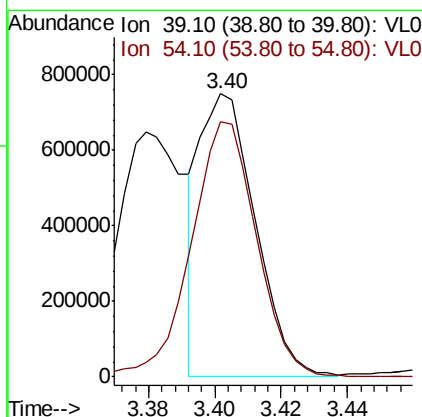
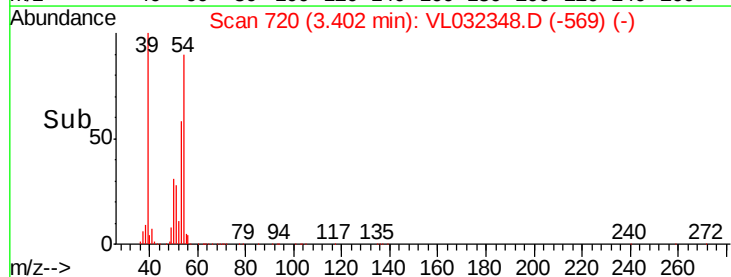
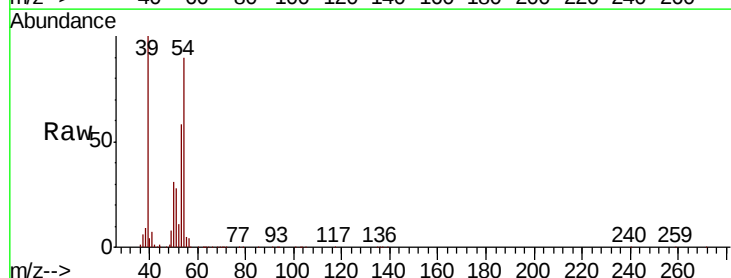
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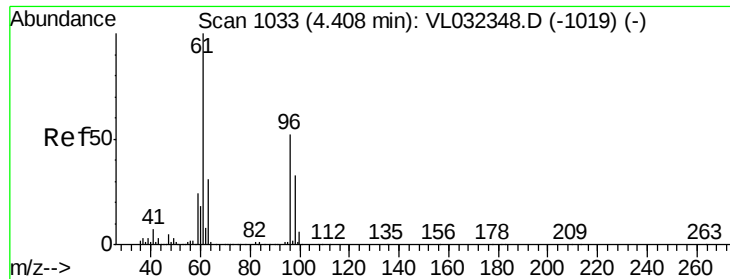
MMDadoda
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#16
1,3-Butadiene
Concen: 7.465 ppbv
RT: 3.40 min Scan# 720
Delta R.T. -0.01 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 39 Resp: 869504
Ion Ratio Lower Upper
39 100
54 106.9 74.3 111.5





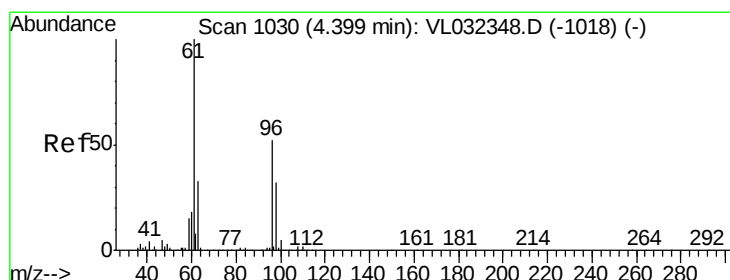
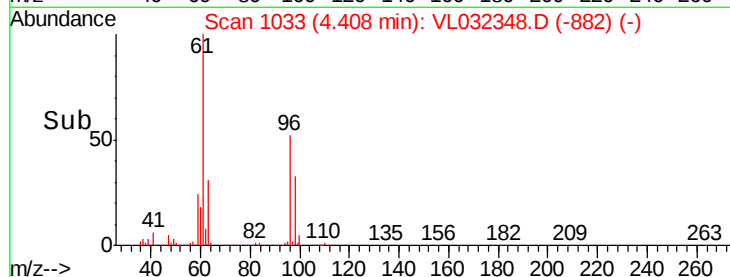
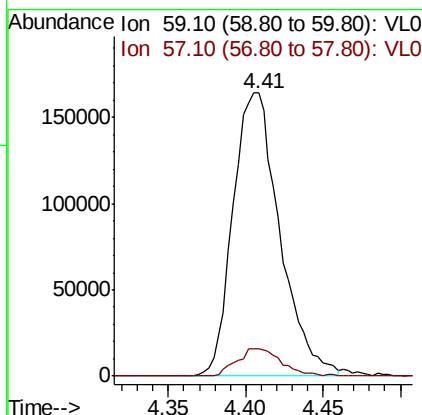
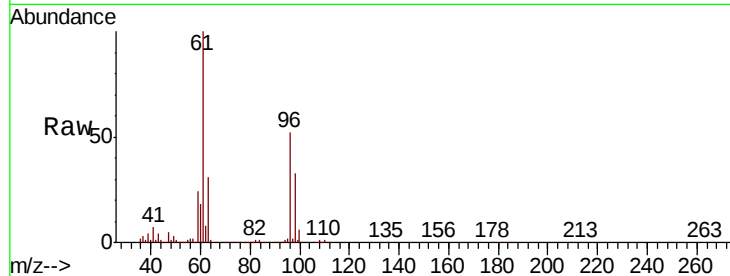
#17
 tert-Butyl alcohol
 Concen: 4.830 ppbv
 RT: 4.41 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 59 Resp: 344904
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

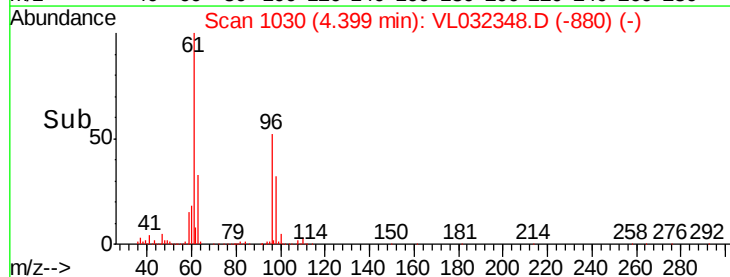
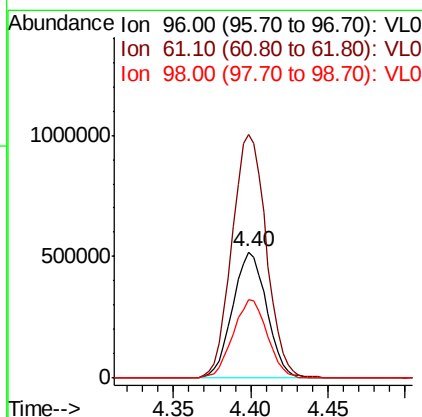
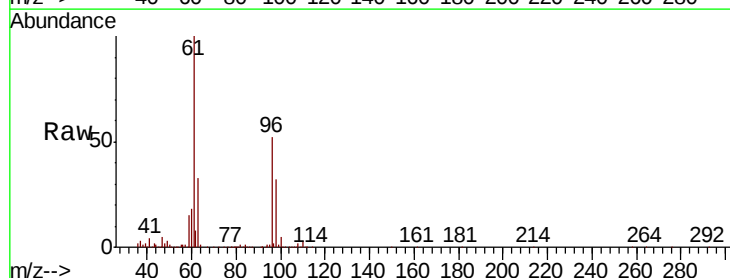
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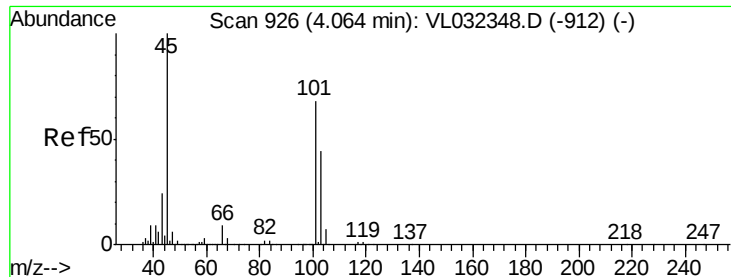
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 9.117 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 96 Resp: 793070
 Ion Ratio Lower Upper
 96 100
 61 193.2 159.0 238.4
 98 62.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.682 ppbv

RT: 4.06 min Scan# 926

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 1451454

Ion Ratio Lower Upper

45 100

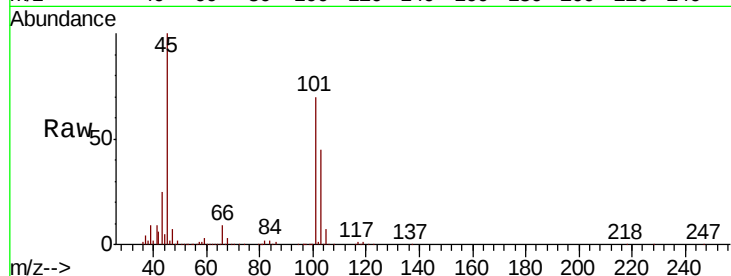
58 1.7 1.5 2.3

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.06

800000

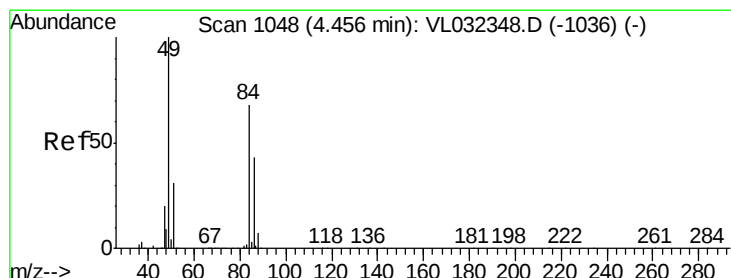
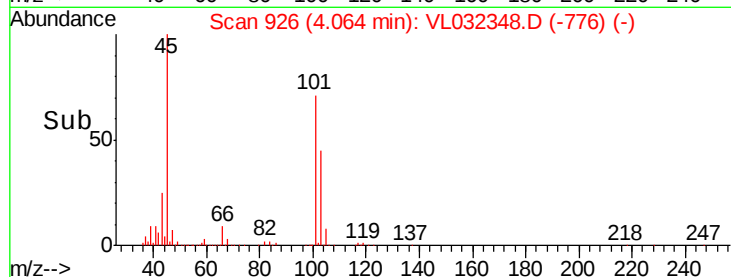
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.746 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. -0.01 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Tgt Ion: 84 Resp: 699435

Ion Ratio Lower Upper

84 100

49 146.6 123.4 185.0

51 45.8 38.2 57.2

86 62.3 47.4 71.2

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

1000000

800000

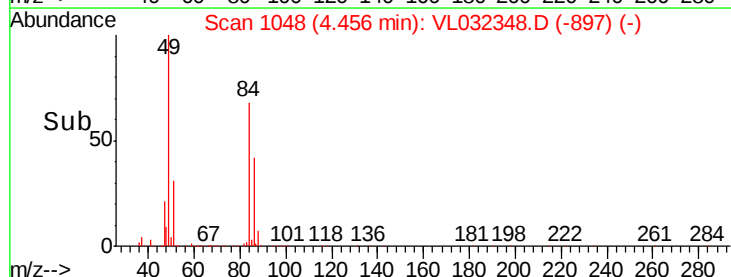
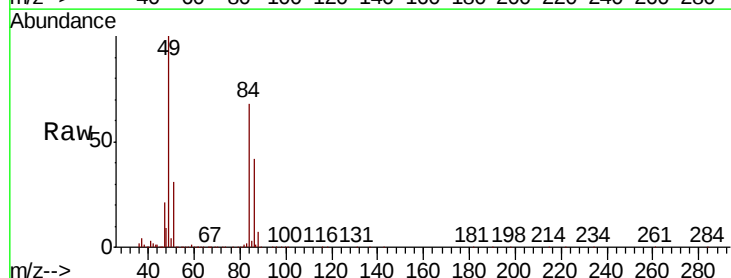
600000

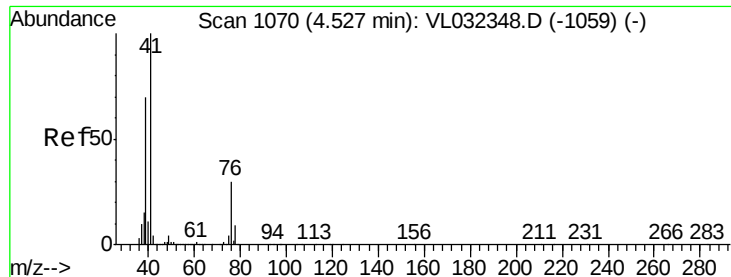
400000

200000

0

Time-->





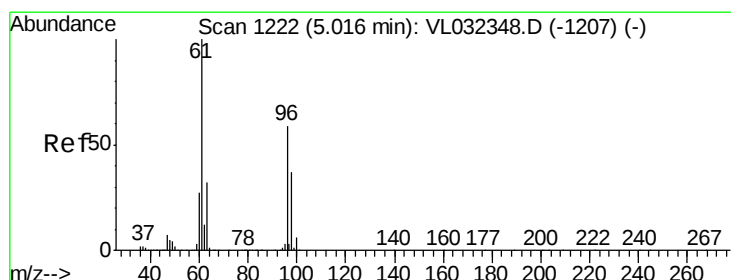
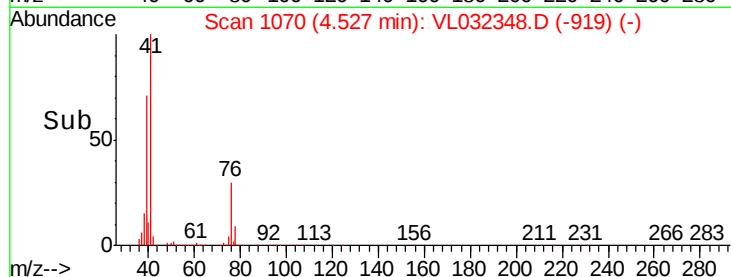
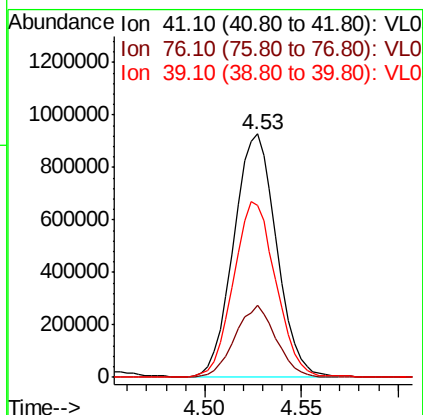
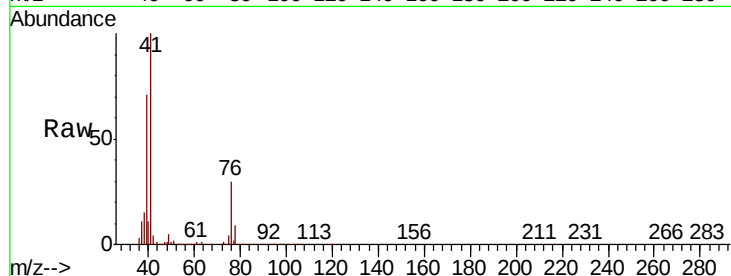
#21
 Allyl Chloride
 Concen: 9.271 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 1420940
 Ion Ratio Lower Upper
 41 100
 76 28.6 23.1 34.7
 39 72.0 58.2 87.2

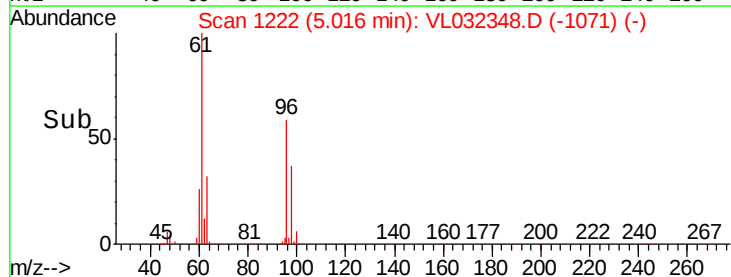
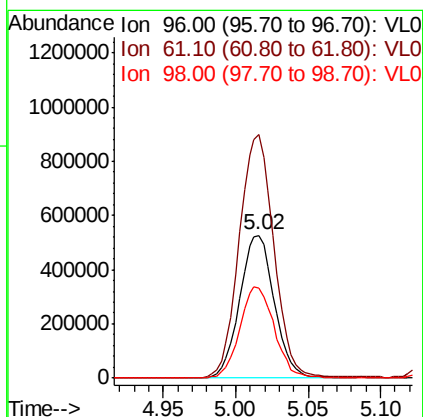
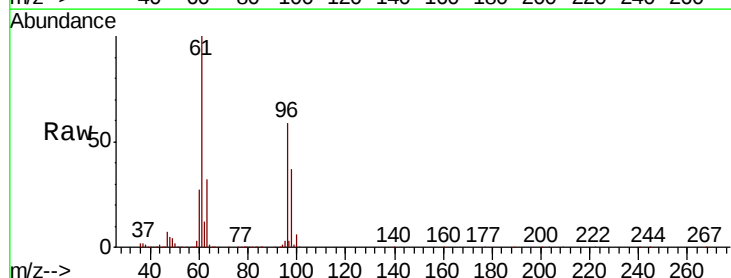
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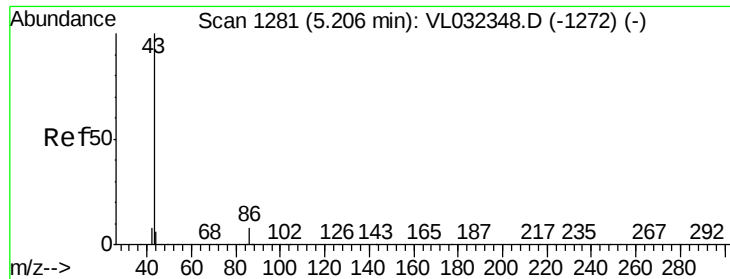
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 10.439 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 96 Resp: 875635
 Ion Ratio Lower Upper
 96 100
 61 170.8 136.5 204.7
 98 63.3 51.3 76.9





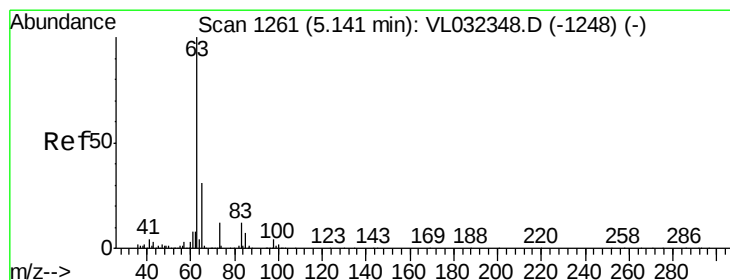
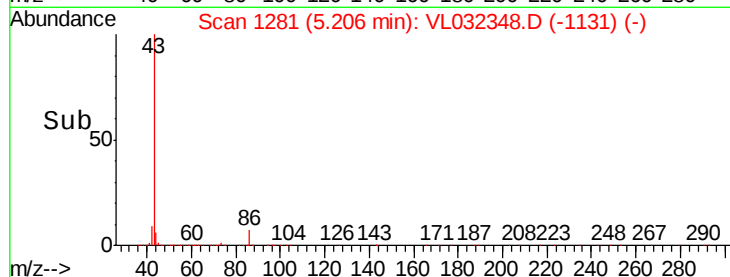
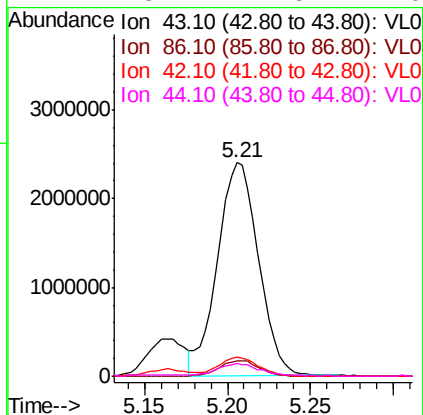
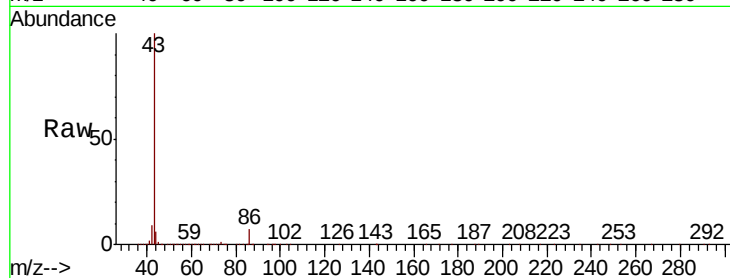
#23
 Vinyl Acetate
 Concen: 10.239 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.3	9.5
42	8.8	7.0	10.4
44	5.7	4.6	7.0

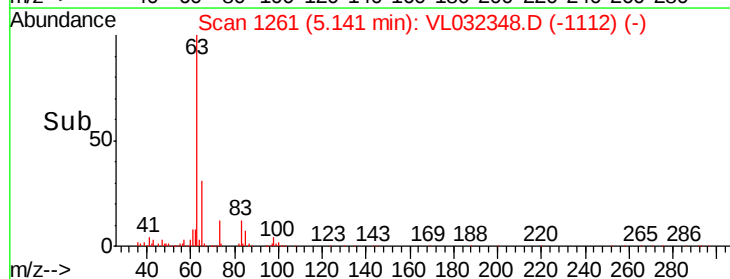
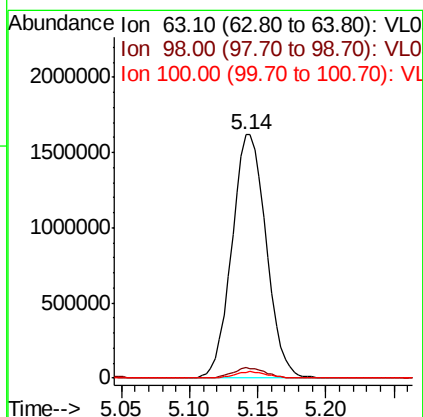
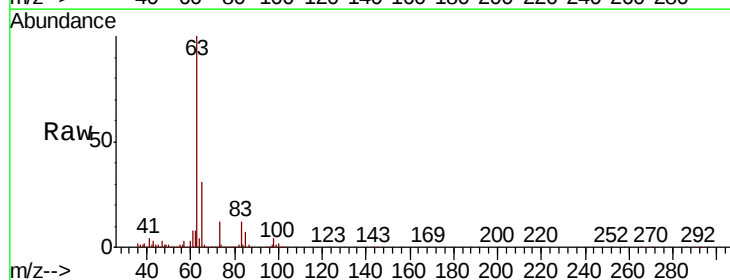
Manual Integrations
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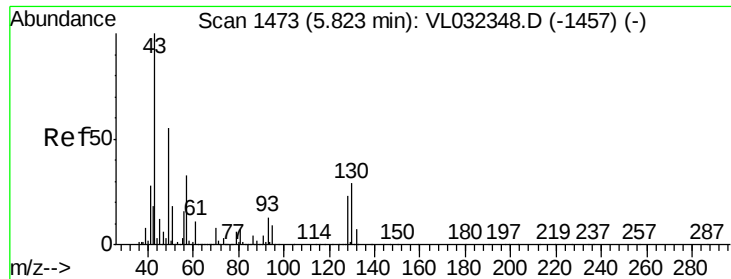
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.758 ppbv
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.4	1.3	3.8





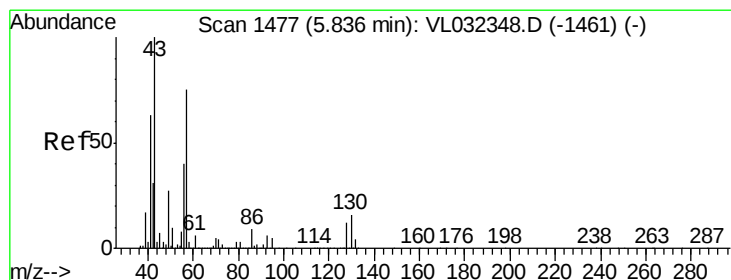
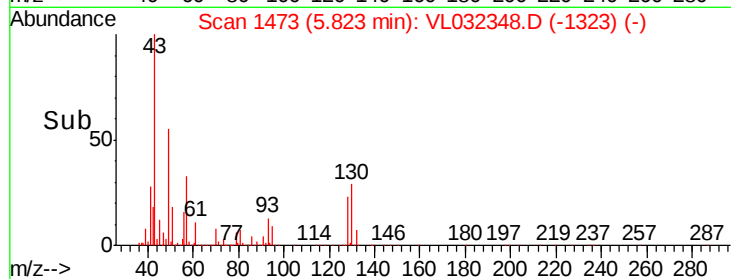
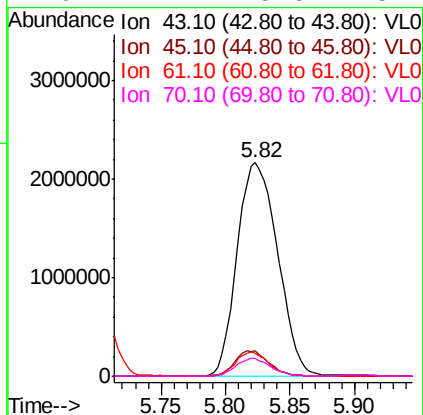
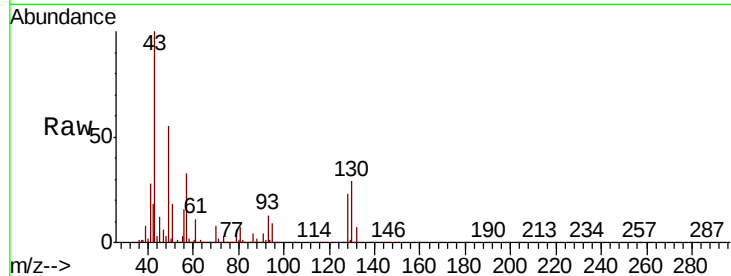
#25
Ethyl Acetate
Concen: 9.413 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.3	7.4	11.0
70	7.2	5.6	8.4

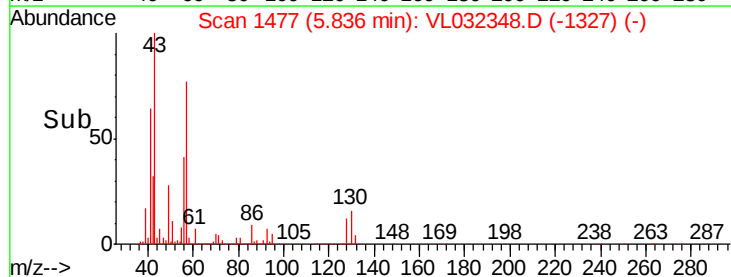
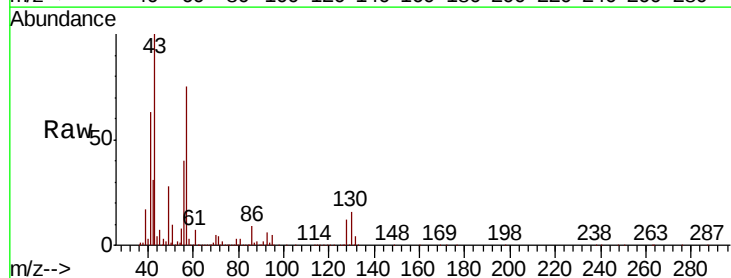
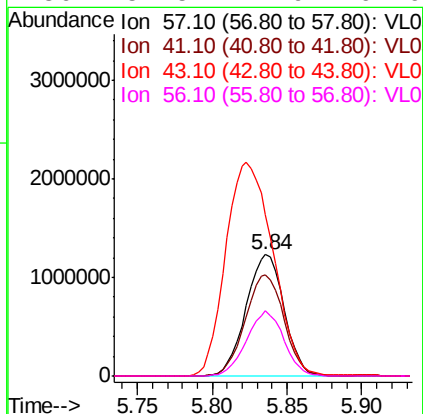
Manual Integrations
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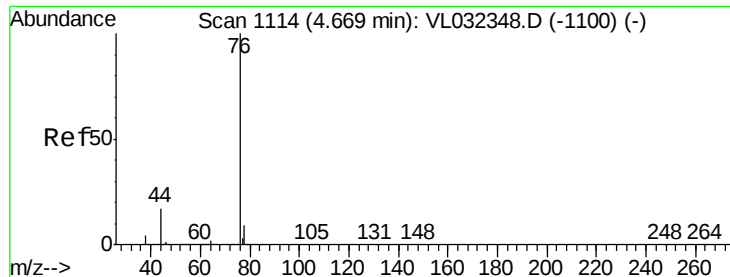
MMDadoda
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#26
Hexane
Concen: 9.543 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.0	68.1	102.1
43	219.1	177.4	266.2
56	52.5	41.9	62.9





#27

Carbon Disulfide

Concen: 10.149 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 2104942

Ion Ratio Lower Upper

76 100

44 18.0 14.0 21.0

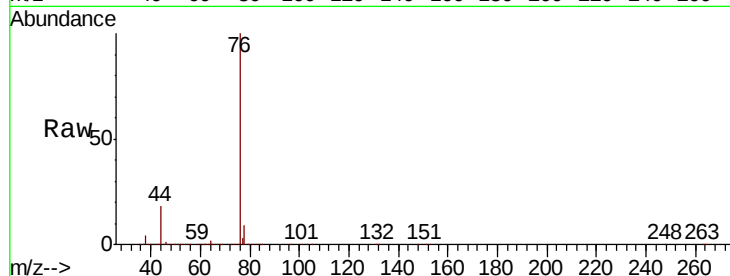
78 9.2 7.5 11.3

Manual Integrations

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MMDadoda

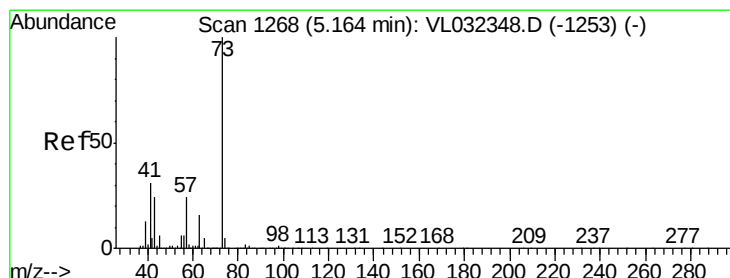
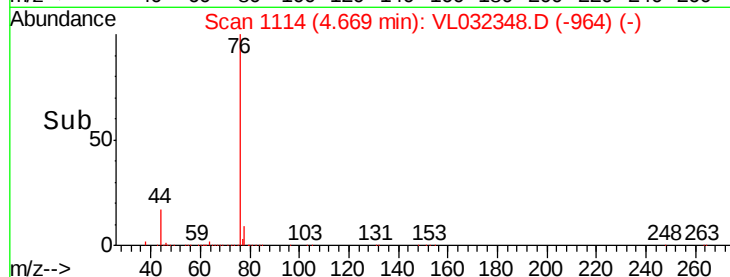
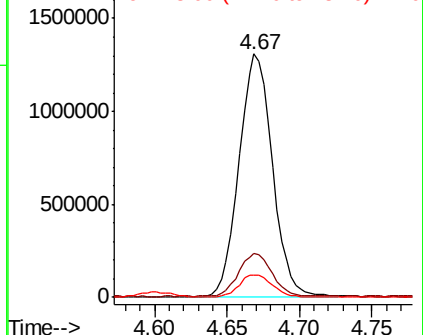
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.270 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VL032348.D

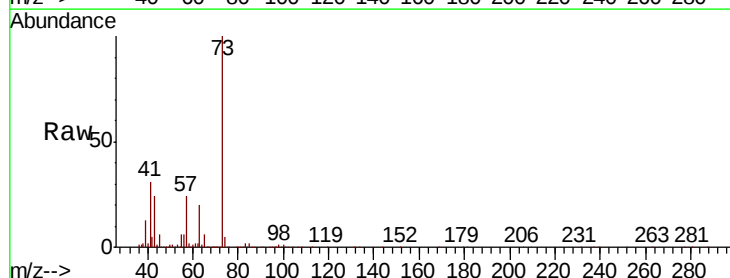
Acq: 15 Aug 2018 9:57

Tgt Ion: 73 Resp: 3168860

Ion Ratio Lower Upper

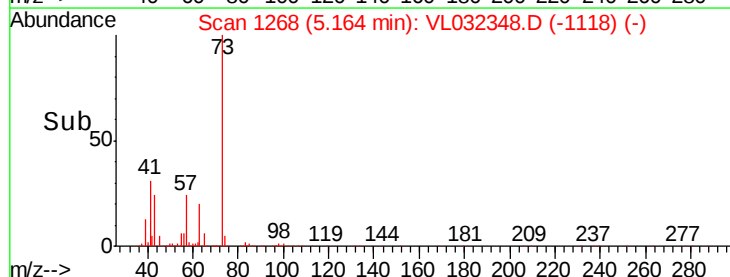
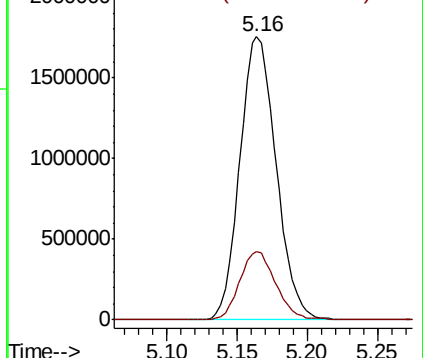
73 100

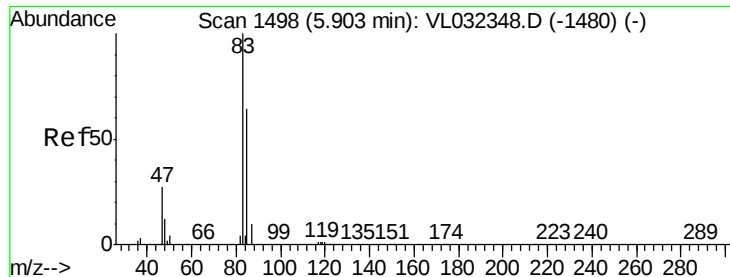
57 24.1 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.447 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 3134853

Ion Ratio Lower Upper

83 100

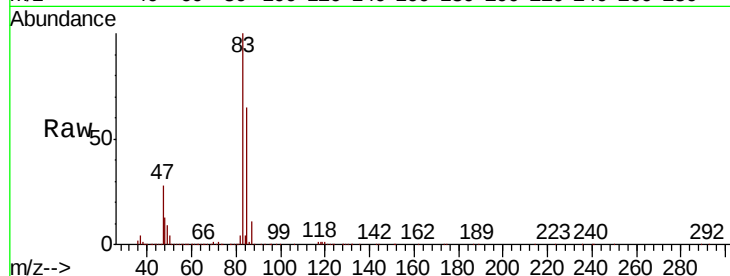
85 64.5 52.9 79.3

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VL0

2000000 Ion 85.00 (84.70 to 85.70): VL0

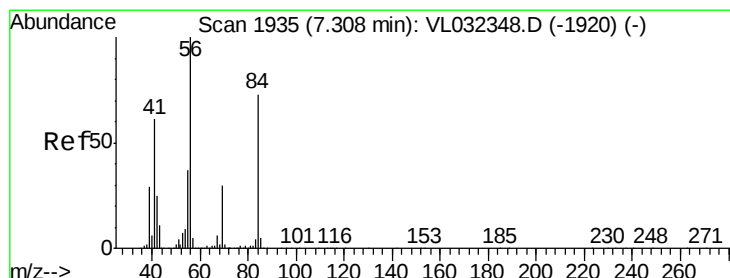
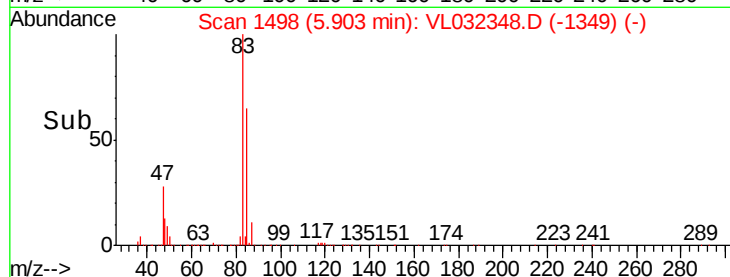
1500000

1000000

500000

0

Time--> 5.80 5.85 5.90 5.95 6.00



#30

Cyclohexane

Concen: 9.615 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

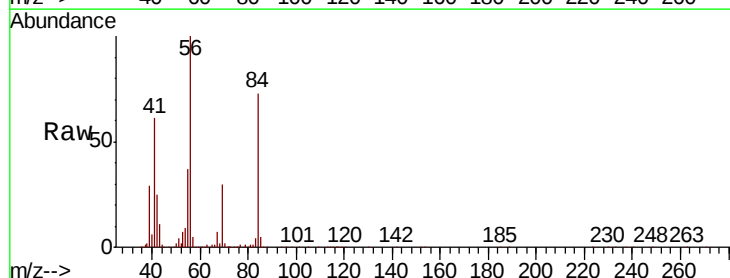
Tgt Ion: 84 Resp: 1711443

Ion Ratio Lower Upper

84 100

56 144.6 116.8 175.2

41 84.9 70.0 105.0



Abundance Ion 84.20 (83.90 to 84.90): VL0

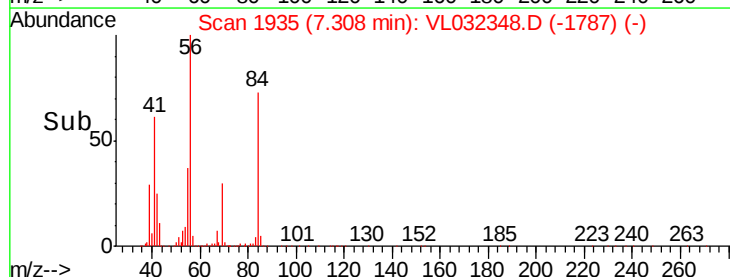
1500000 Ion 56.10 (55.80 to 56.80): VL0

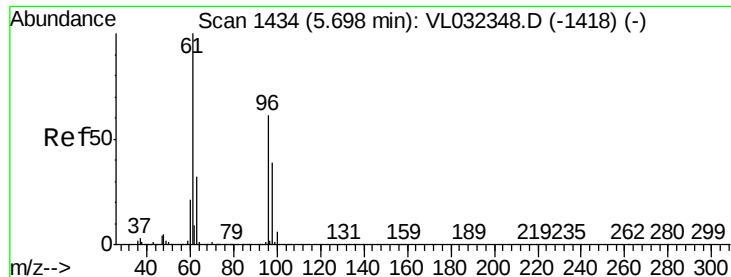
1000000 Ion 41.10 (40.80 to 41.80): VL0

500000

0

Time--> 7.25 7.30 7.35 7.40





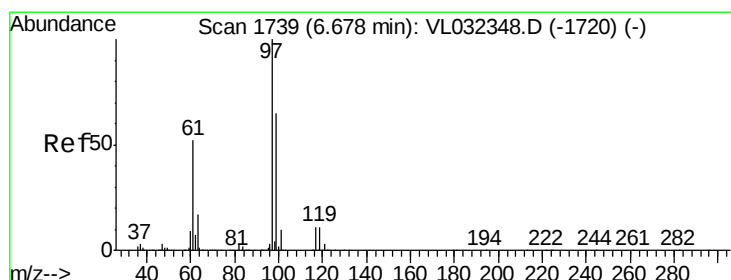
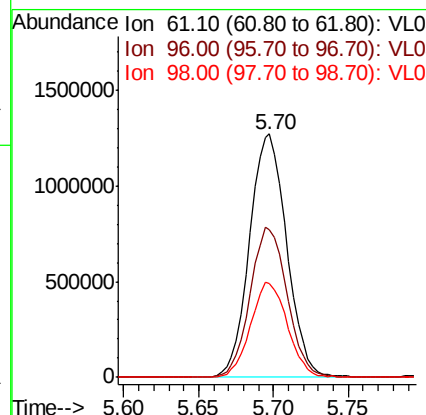
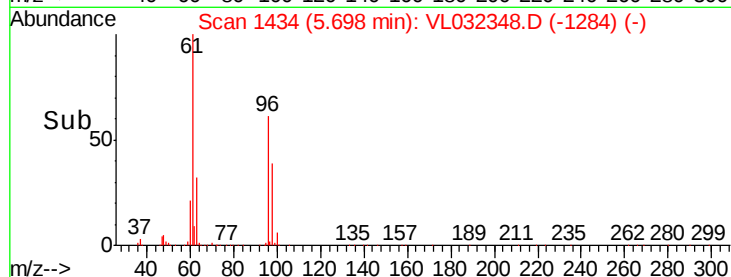
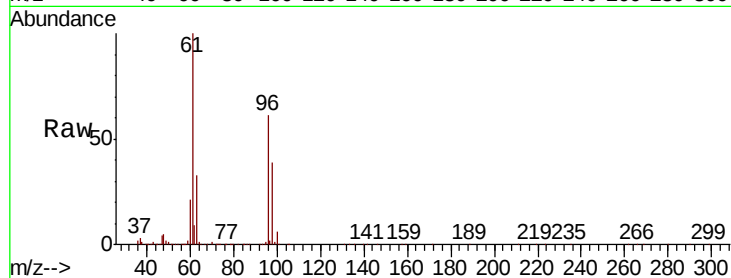
#31
 cis-1,2-Dichloroethene
 Concen: 10.376 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.6	49.8	74.6
98	38.7	31.8	47.6

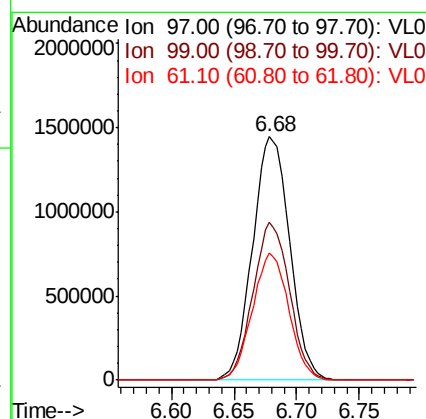
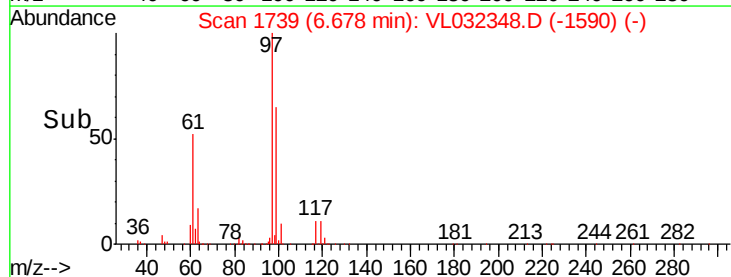
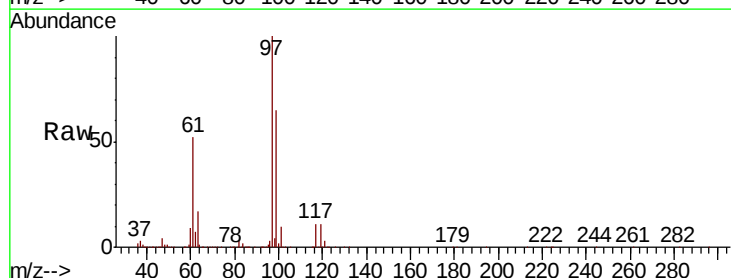
Manual Integrations
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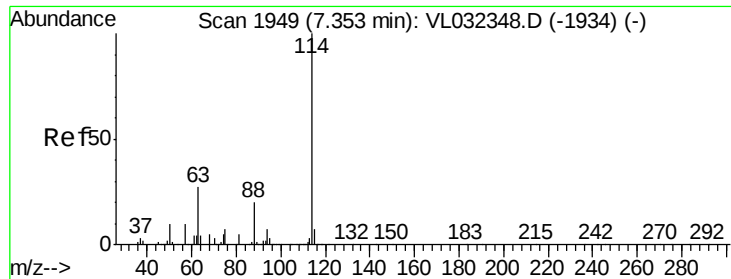
MMDadoda
 8/17/2018 2:06:21 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.152 ppbv
 RT: 6.68 min Scan# 1739
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	51.4	41.8	62.6





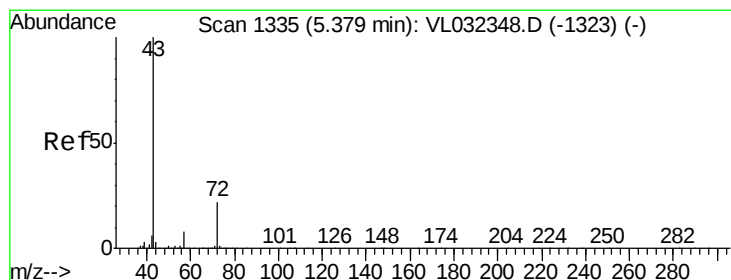
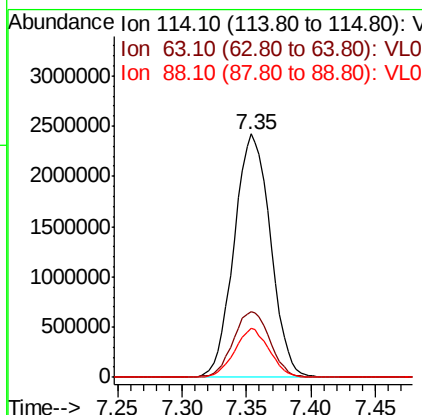
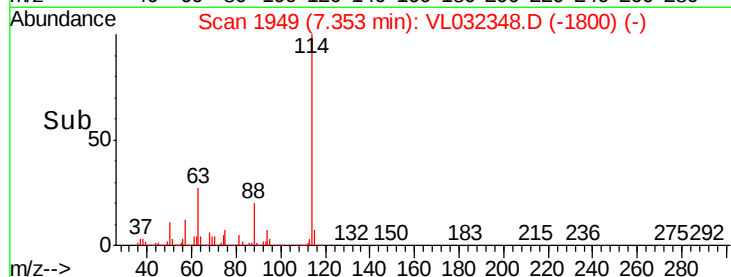
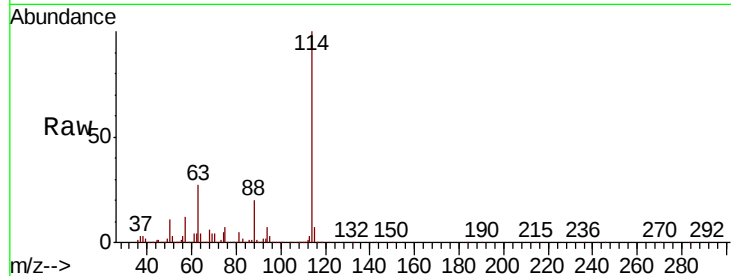
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.4	33.6
88	19.1	15.3	22.9

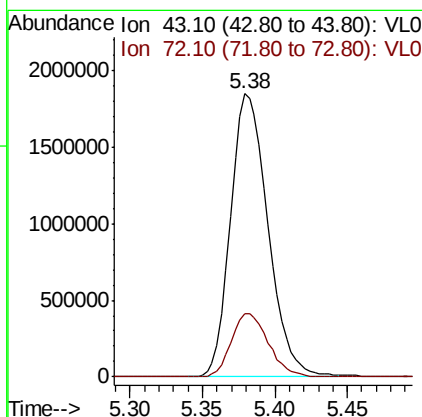
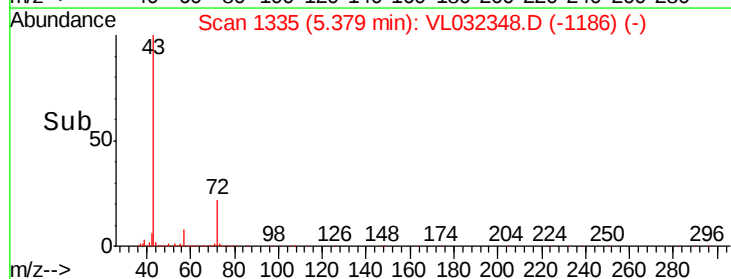
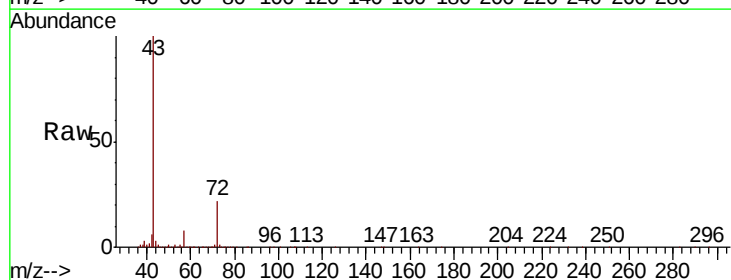
Manual Integrations
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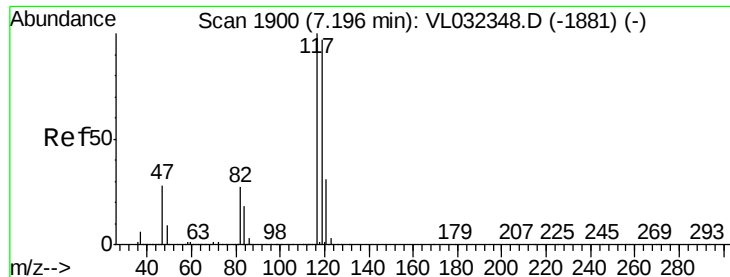
MMDadoda
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#34
 2-Butanone
 Concen: 10.704 ppbv
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.4	26.2





#35

Carbon Tetrachloride

Concen: 11.007 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 117 Resp: 2976599

Ion Ratio Lower Upper

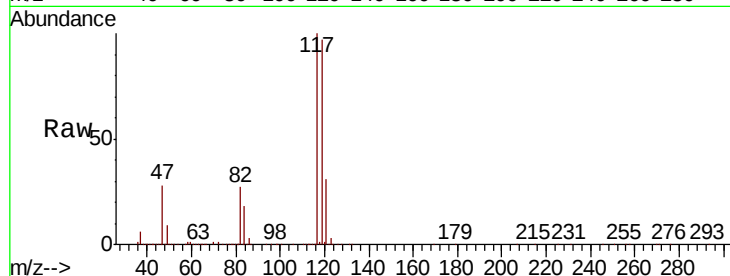
117 100

119 96.5 76.1 114.1

121 31.4 24.4 36.6

Manual Integrations
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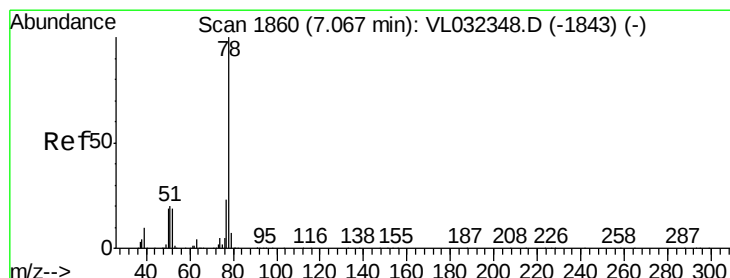
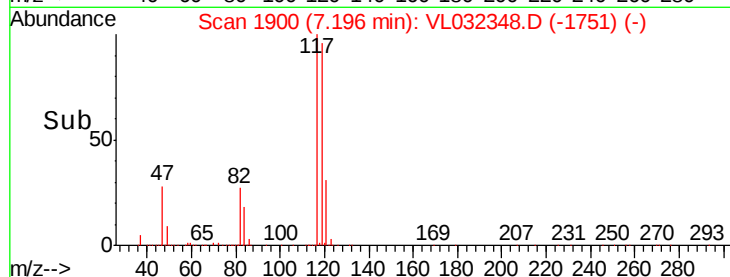
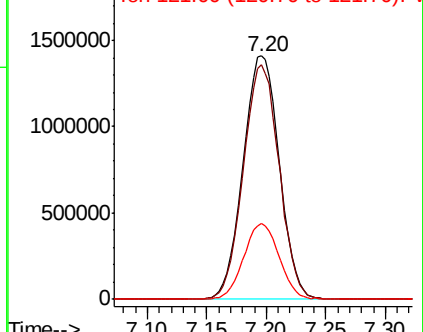
MMDadoda
8/17/2018 2:06:21 PM



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: 10.257 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

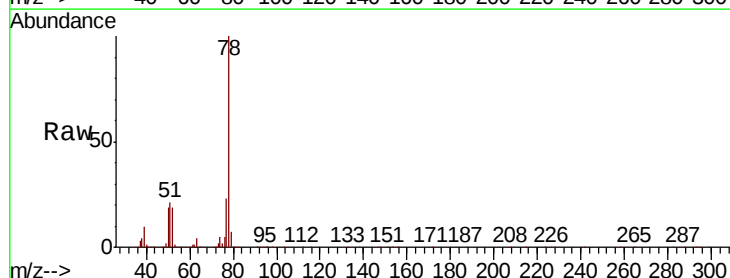
Tgt Ion: 78 Resp: 4304439

Ion Ratio Lower Upper

78 100

77 22.5 18.4 27.6

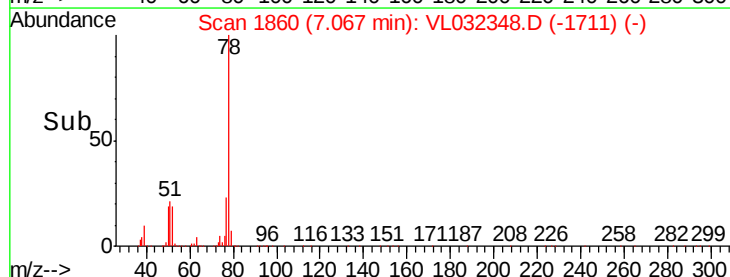
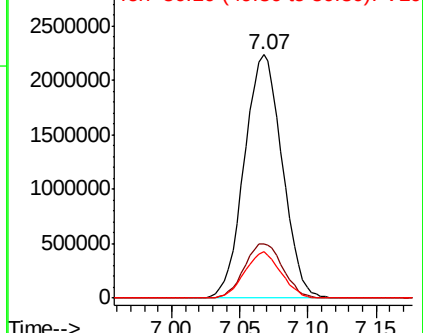
50 18.9 15.3 22.9

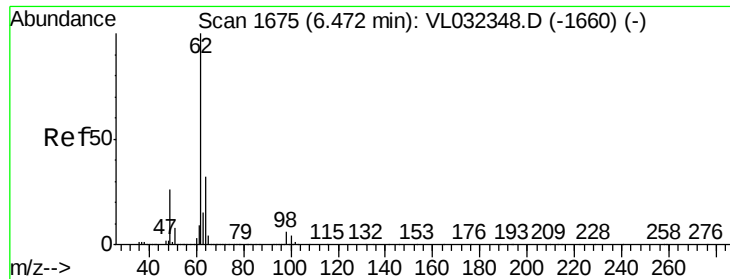


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





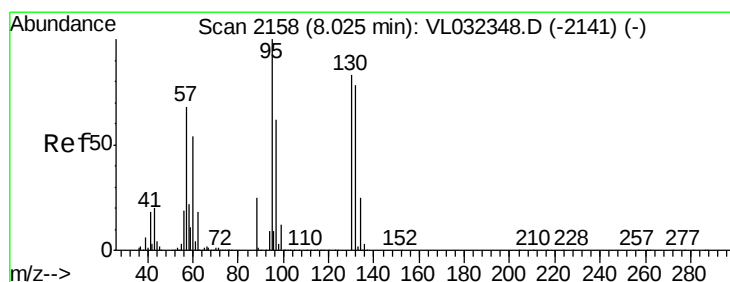
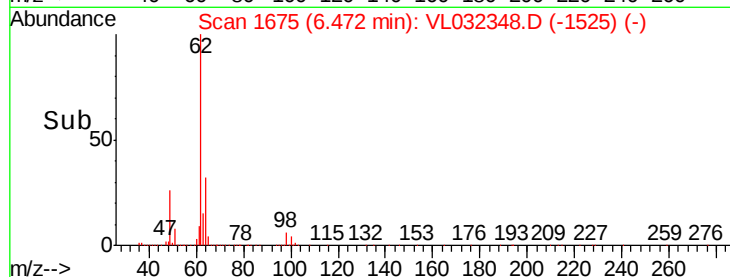
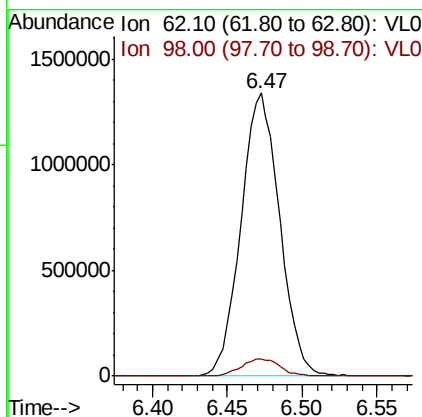
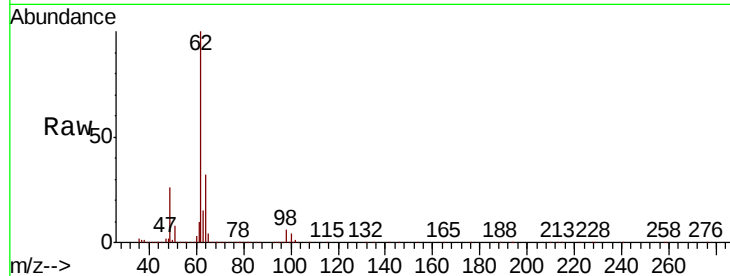
#37
 1,2-Dichloroethane
 Concen: 9.947 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 2412002
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.1 7.7

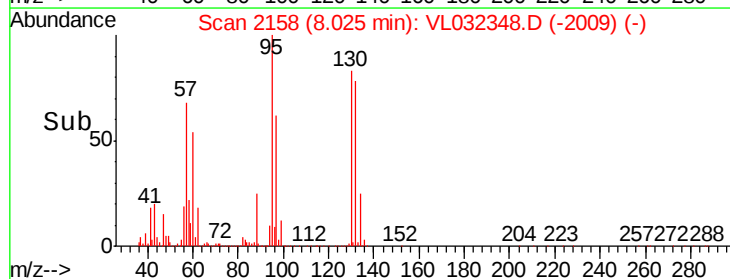
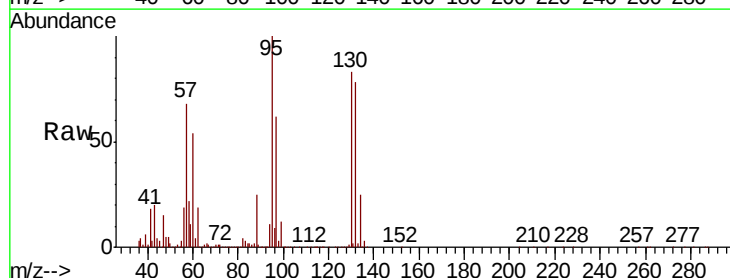
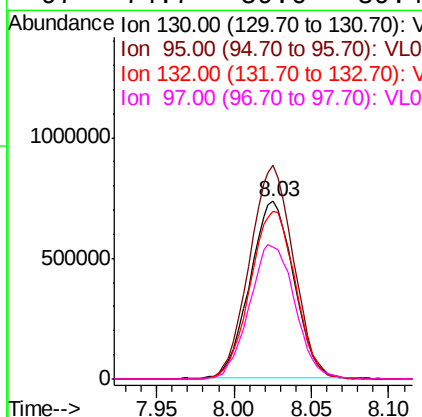
Manual Integrations
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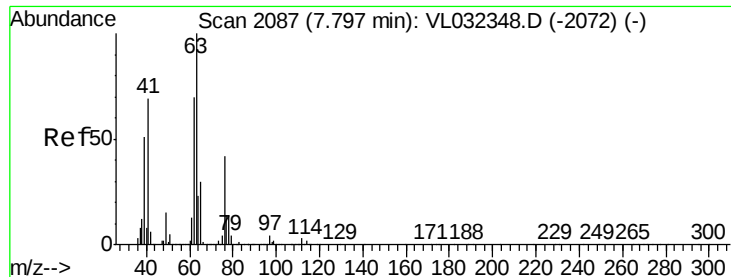
MMDadoda
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#38
 Trichloroethene
 Concen: 8.933 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 130 Resp: 1448807
 Ion Ratio Lower Upper
 130 100
 95 120.7 92.9 139.3
 132 94.4 73.0 109.4
 97 74.7 59.6 89.4





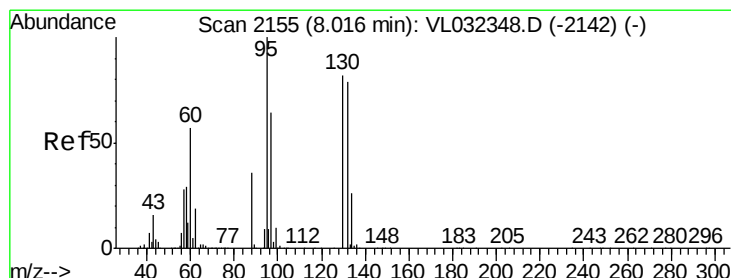
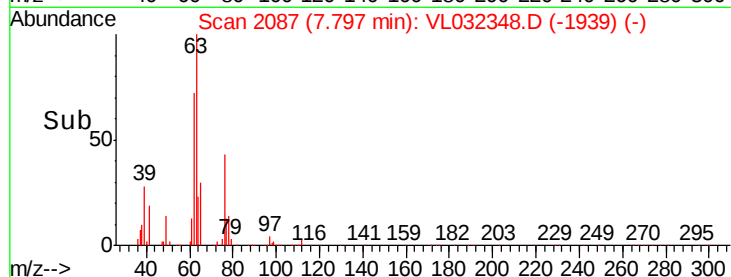
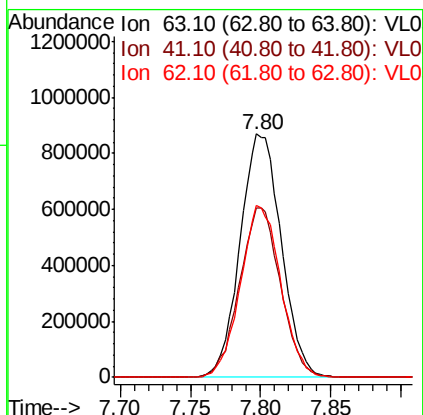
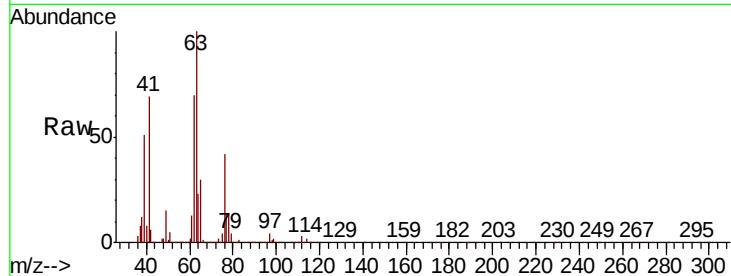
#39
 1,2-Dichloropropane
 Concen: 8.420 ppbv
 RT: 7.80 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	69.4	52.5	78.7
62	70.4	54.6	81.8

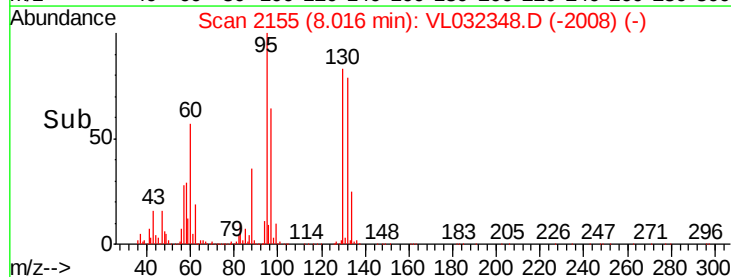
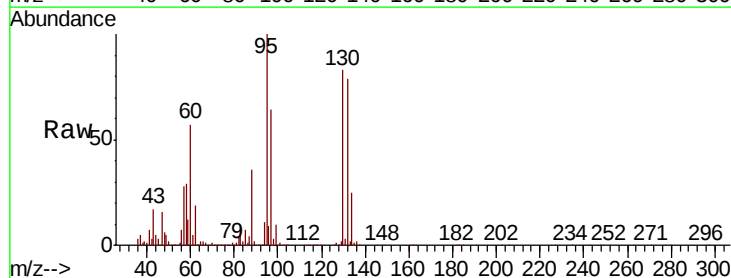
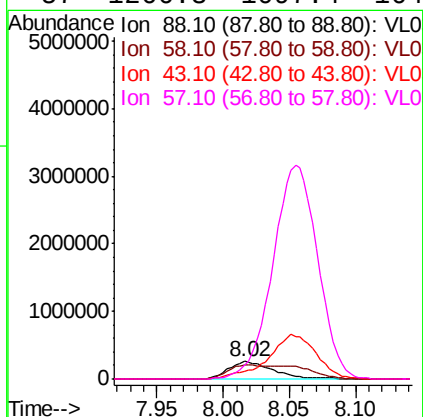
Manual Integrations
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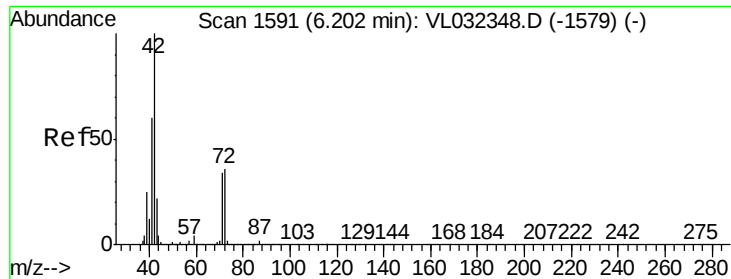
MMDadoda
 8/17/2018 2:06:21 PM



#40
 1,4-Dioxane
 Concen: 9.598 ppbv
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.03 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	142.1	120.5	180.7
43	280.0	246.2	369.2
57	1266.3	1097.4	1646.2





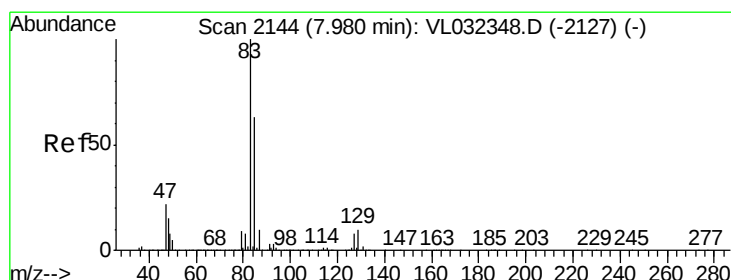
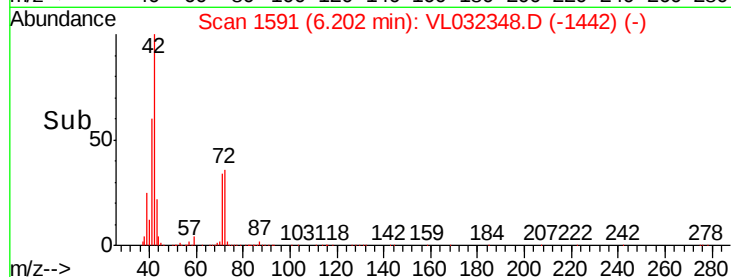
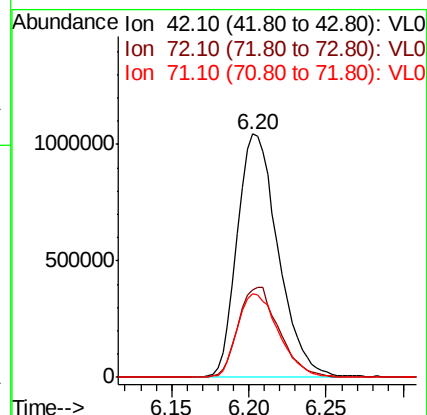
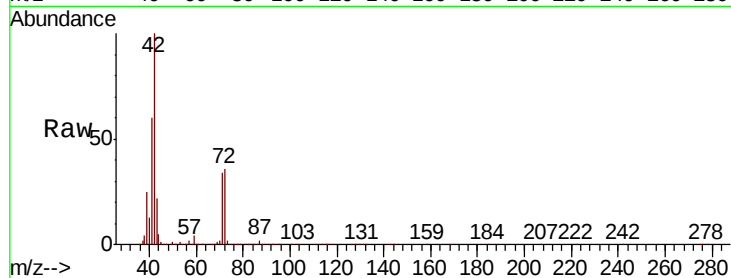
#41
Tetrahydrofuran
Concen: 10.999 ppbv
RT: 6.20 min Scan# 1591
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 1917293
Ion Ratio Lower Upper
42 100
72 37.2 28.6 42.8
71 35.2 27.8 41.6

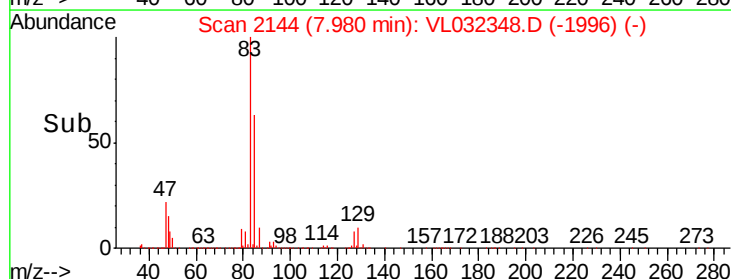
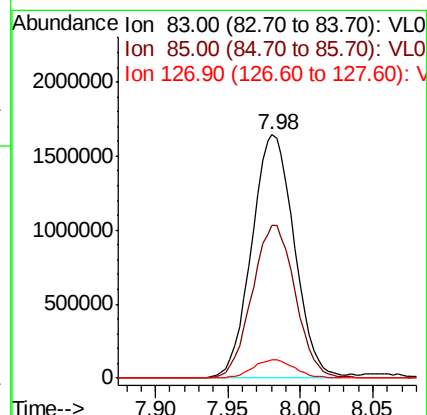
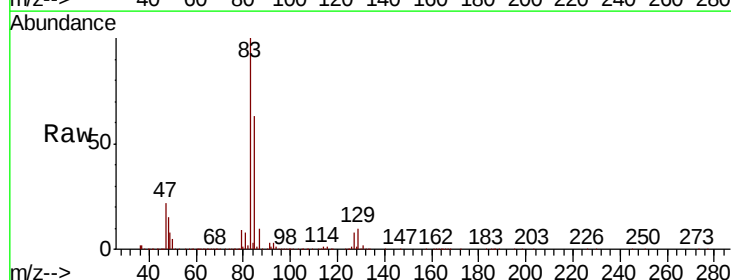
Manual Integrations
APPROVED

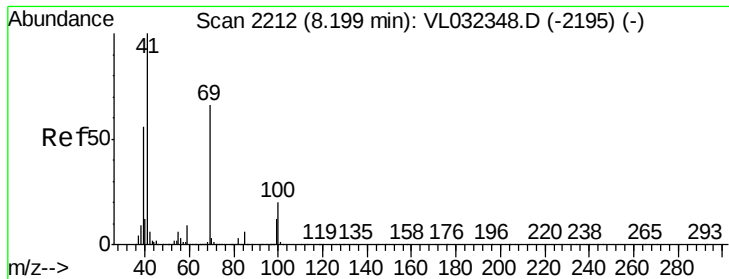
MMDadoda
8/17/2018 2:06:21 PM



#42
Bromodichloromethane
Concen: 8.567 ppbv
RT: 7.98 min Scan# 2144
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 83 Resp: 3363188
Ion Ratio Lower Upper
83 100
85 63.0 50.7 76.1
127 7.6 6.0 9.0





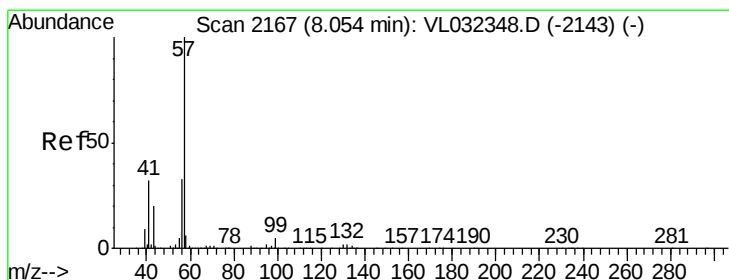
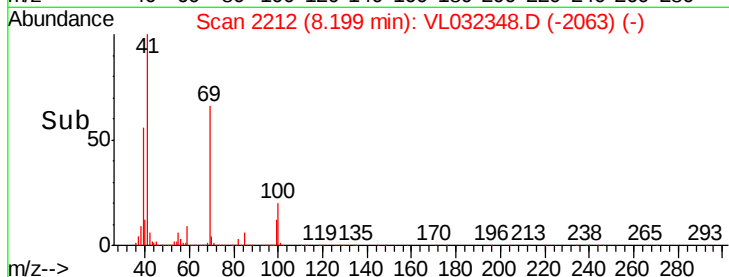
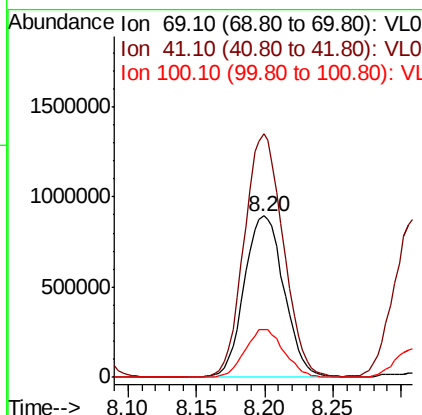
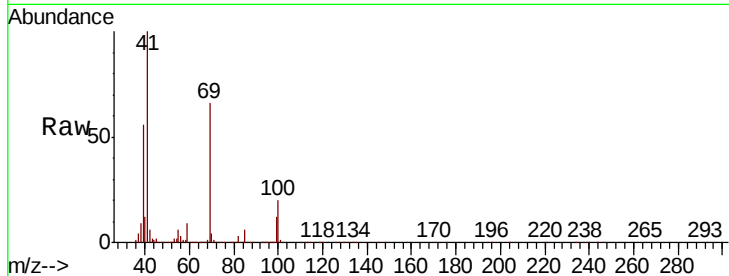
#43
Methyl Methacrylate
Concen: 8.989 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 1810818
Ion Ratio Lower Upper
69 100
41 148.2 120.6 180.8
100 29.3 23.2 34.8

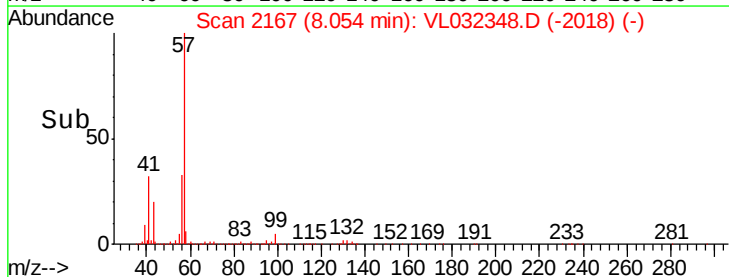
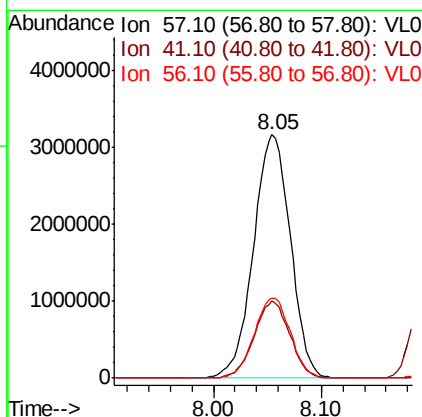
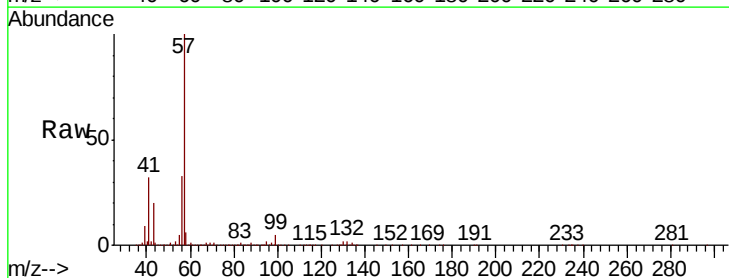
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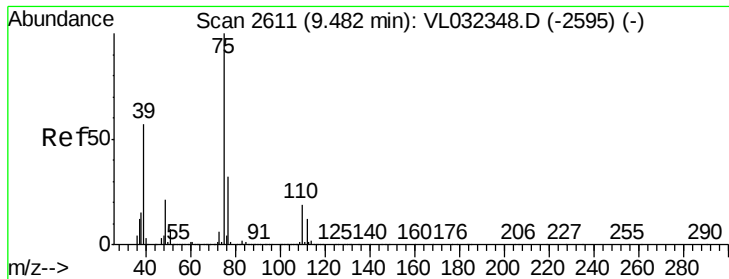
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#44
2,2,4-Trimethylpentane
Concen: 8.264 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 57 Resp: 7520931
Ion Ratio Lower Upper
57 100
41 30.4 24.3 36.5
56 32.1 25.4 38.2





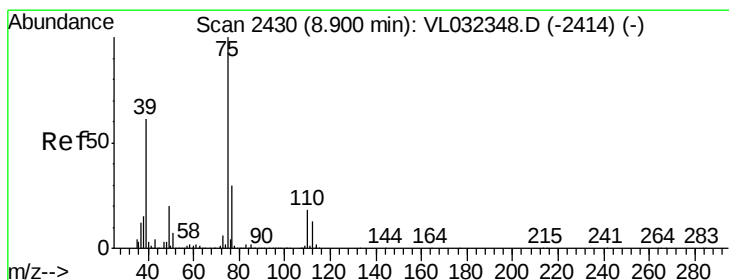
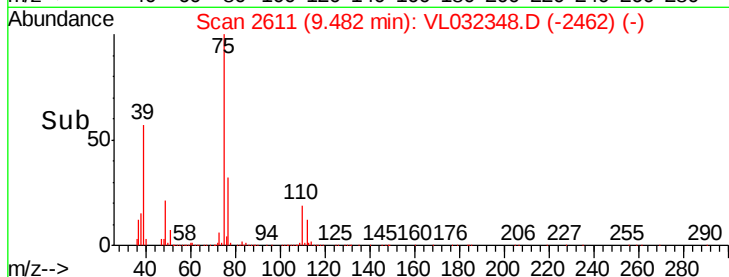
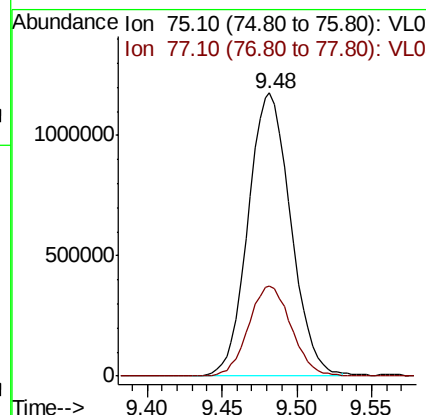
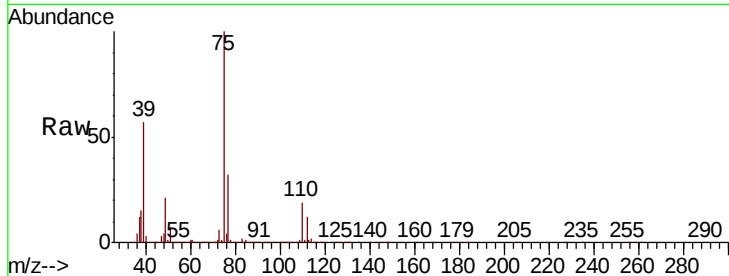
#45
t-1,3-Dichloropropene
Concen: 9.979 ppbv
RT: 9.48 min Scan# 2611
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 2329326
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.4

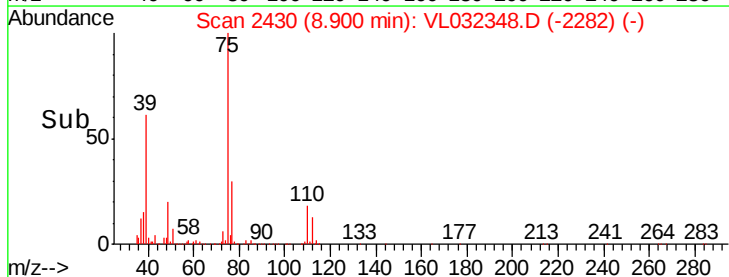
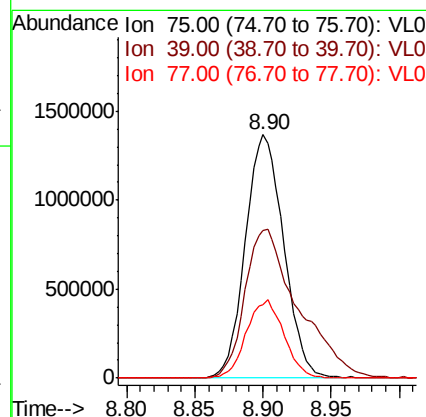
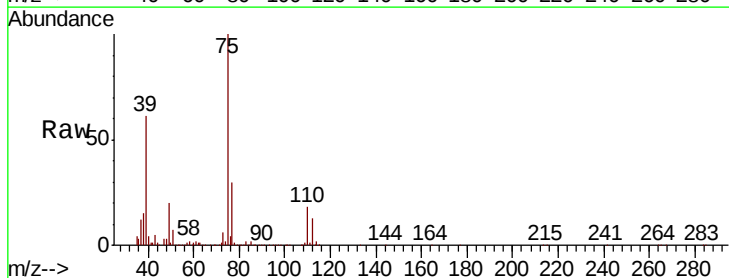
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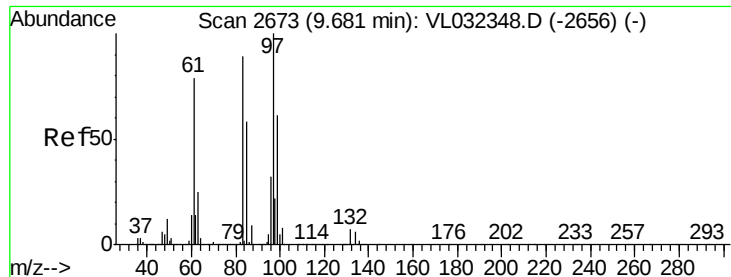
MMDadoda
8/17/2018 2:06:21 PM



#46
cis-1,3-Dichloropropene
Concen: 9.312 ppbv
RT: 8.90 min Scan# 2430
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 75 Resp: 2663259
Ion Ratio Lower Upper
75 100
39 60.6 50.9 76.3
77 30.4 25.7 38.5





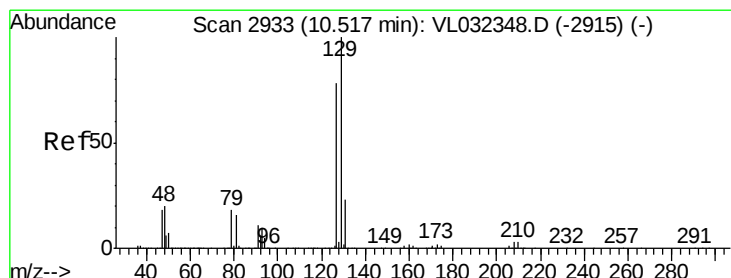
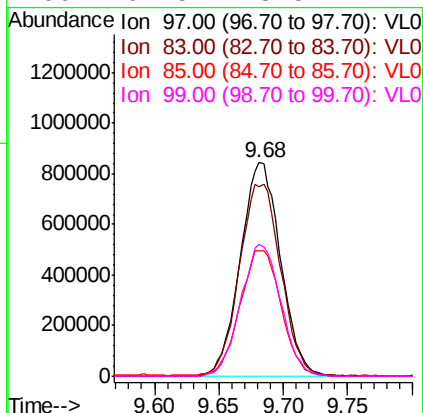
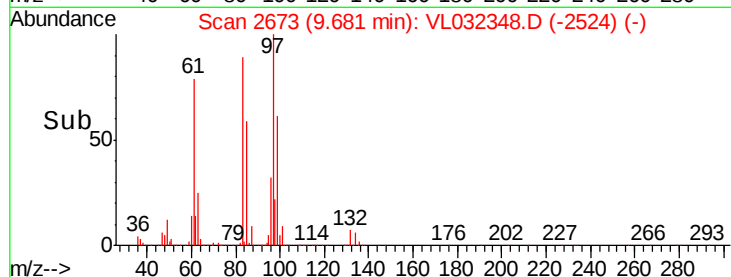
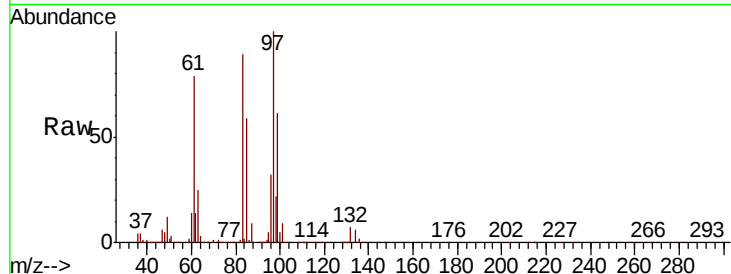
#47
 1,1,2-Trichloroethane
 Concen: 8.955 ppbv
 RT: 9.68 min Scan# 2673
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 1837905
 Ion Ratio Lower Upper
 97 100
 83 89.0 73.0 109.6
 85 58.2 48.1 72.1
 99 61.5 48.5 72.7

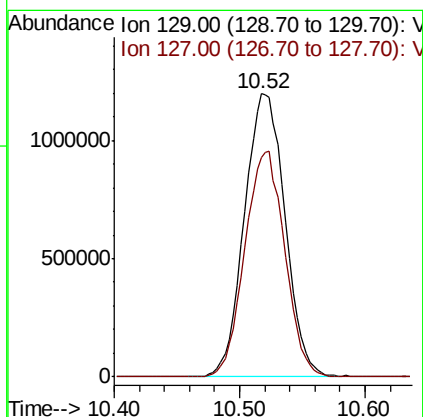
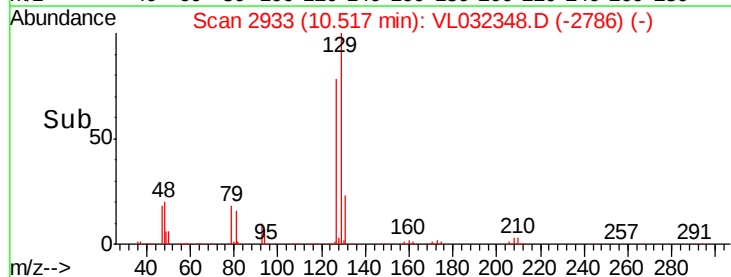
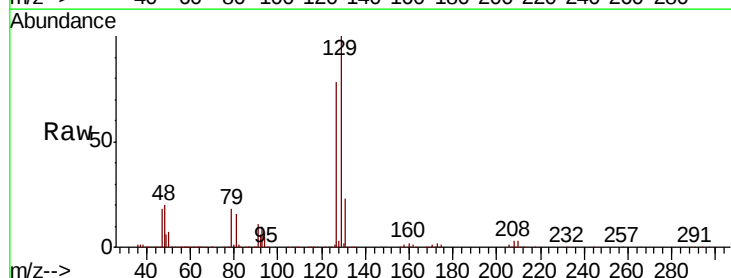
Manual Integrations
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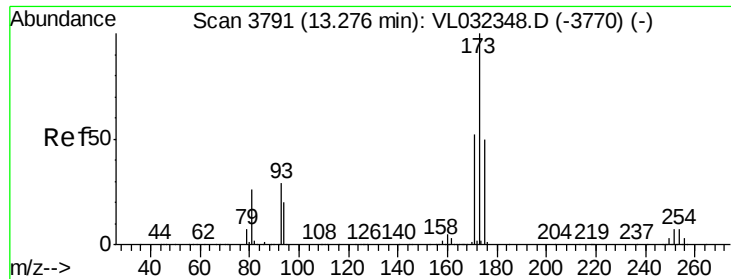
MMDadoda
 8/17/2018 2:06:21 PM



#48
 Dibromochloromethane
 Concen: 8.887 ppbv
 RT: 10.52 min Scan# 2933
 Delta R.T. -0.03 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 129 Resp: 2688629
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.5 118.3





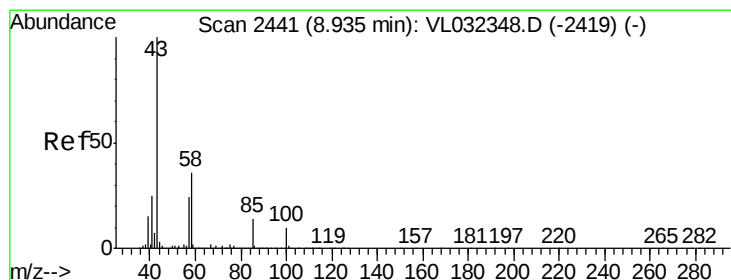
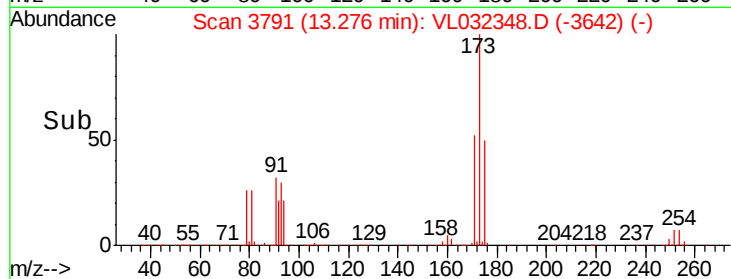
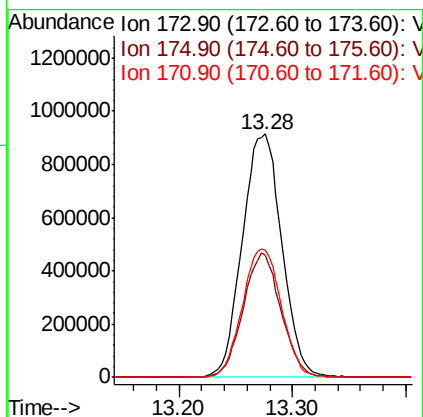
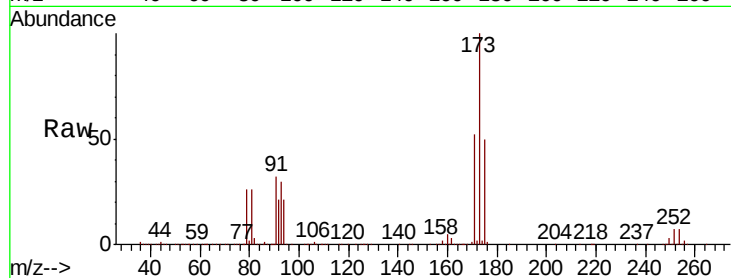
#49
Bromoform
Concen: 8.921 ppbv
RT: 13.28 min Scan# 3791
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 173 Resp: 2222243
Ion Ratio Lower Upper
173 100
175 49.1 38.9 58.3
171 52.4 42.2 63.2

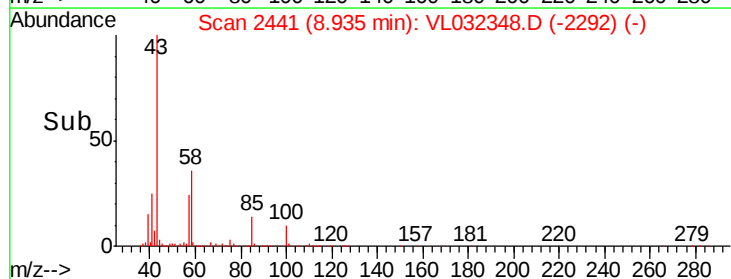
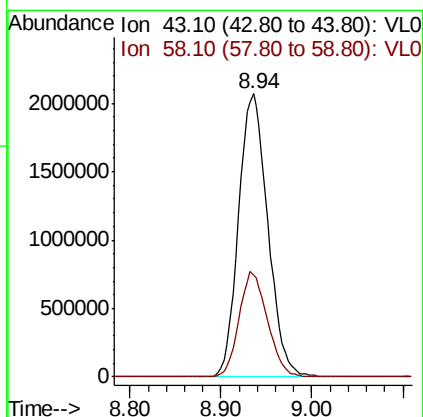
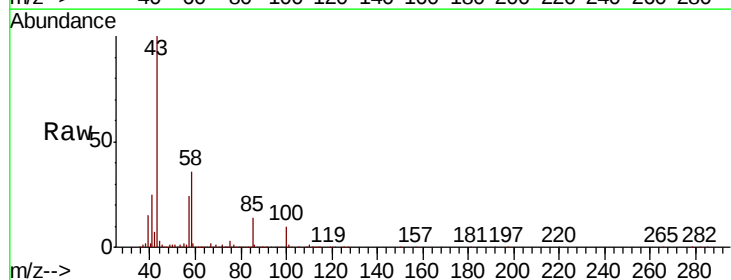
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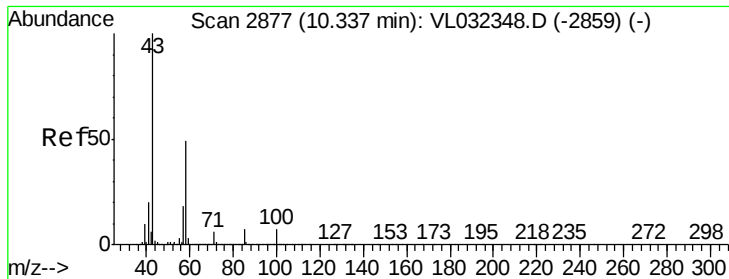
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.498 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 43 Resp: 4620400
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3





#51

2-Hexanone

Concen: 9.918 ppbv

RT: 10.34 min Scan# 2877

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 4109469

Ion Ratio Lower Upper

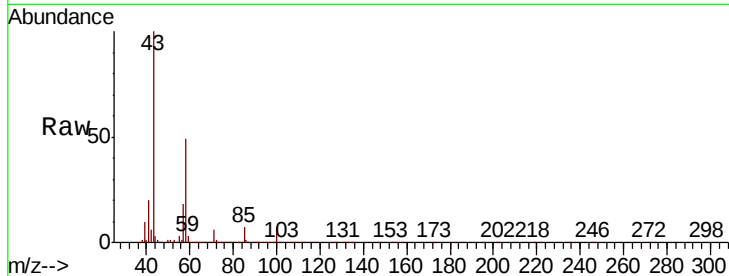
43 100

58 49.4 39.1 58.7

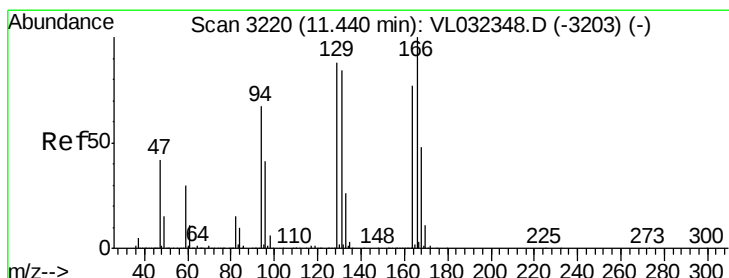
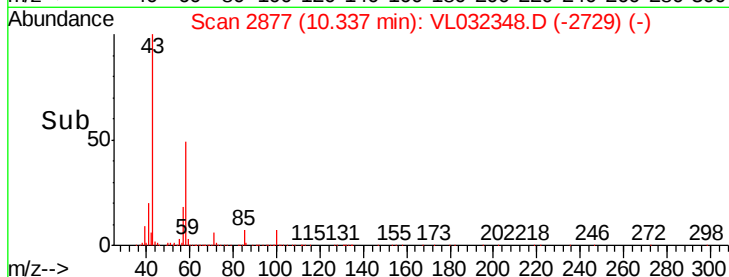
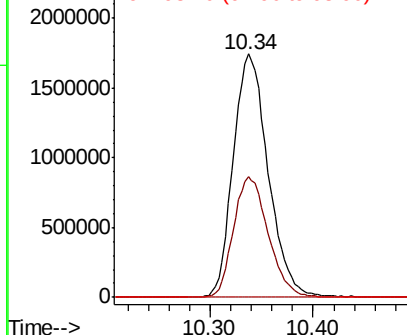
98 0.4 0.3 0.5

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.921 ppbv

RT: 11.44 min Scan# 3220

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Tgt Ion: 164 Resp: 1261575

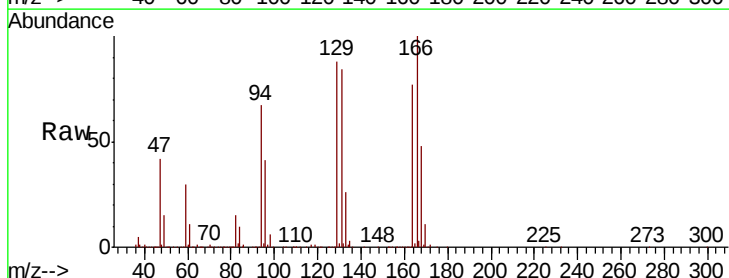
Ion Ratio Lower Upper

164 100

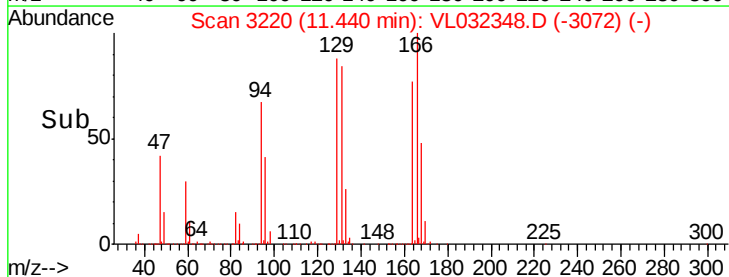
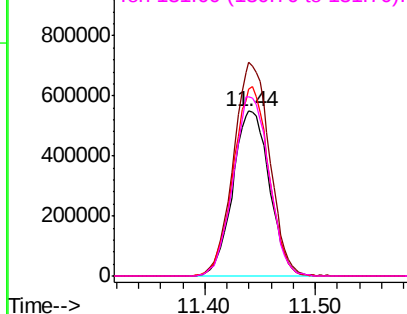
166 129.4 100.0 150.0

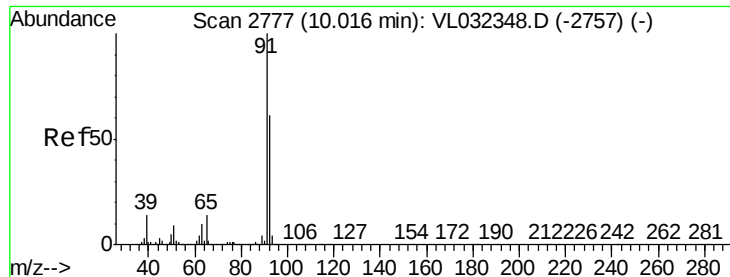
129 113.6 87.9 131.9

131 108.4 83.8 125.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.300 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 5167519

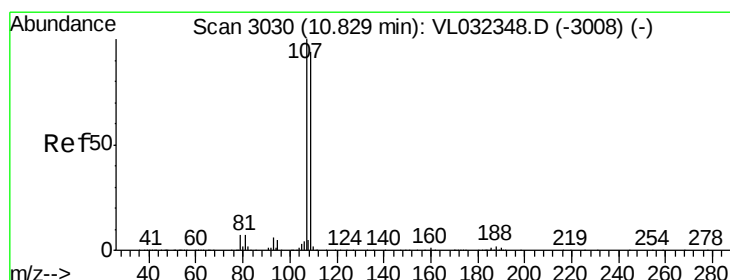
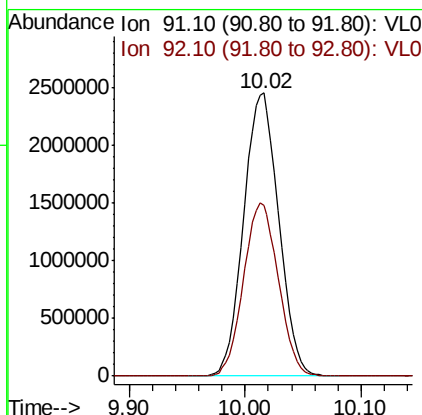
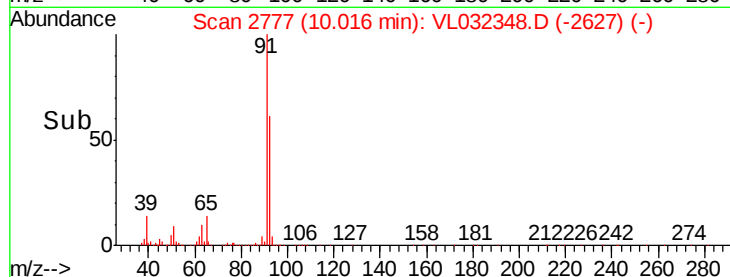
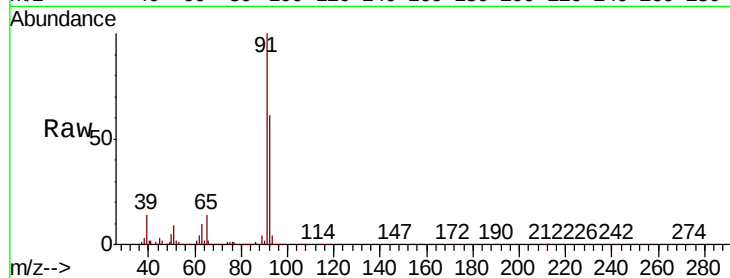
Ion Ratio Lower Upper

91 100

92 60.9 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 8.610 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. -0.02 min

Lab File: VL032348.D

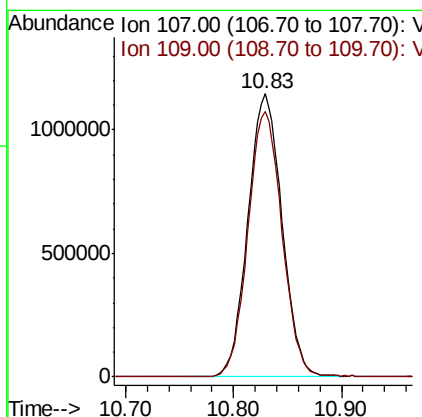
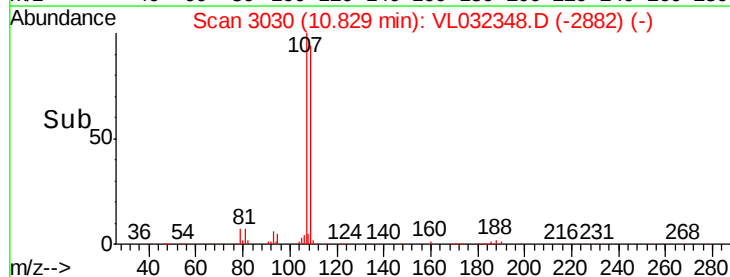
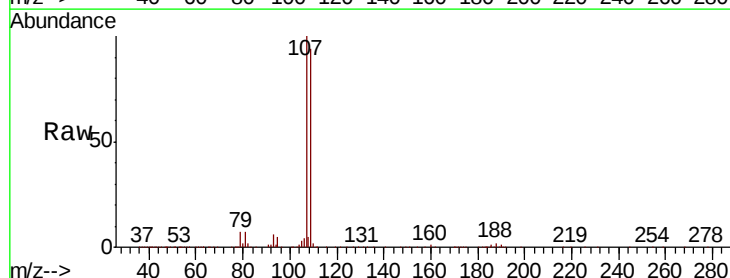
Acq: 15 Aug 2018 9:57

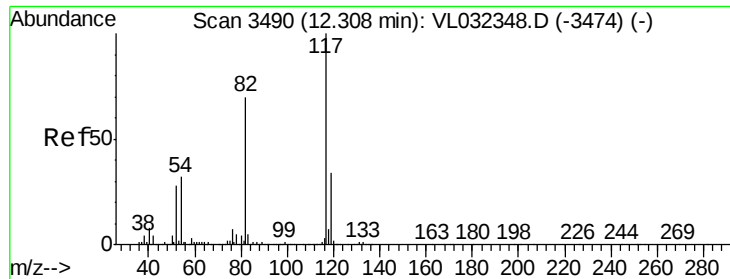
Tgt Ion: 107 Resp: 2511116

Ion Ratio Lower Upper

107 100

109 93.6 74.1 111.1





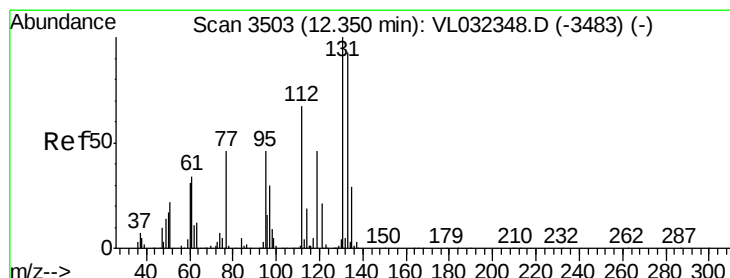
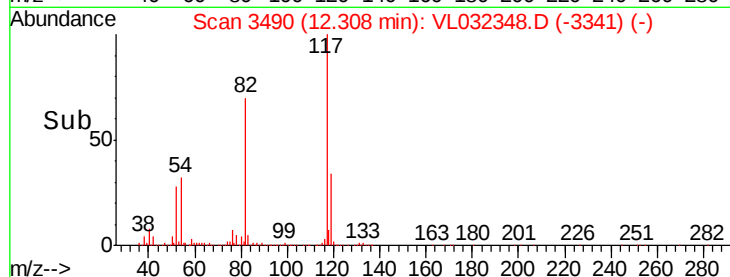
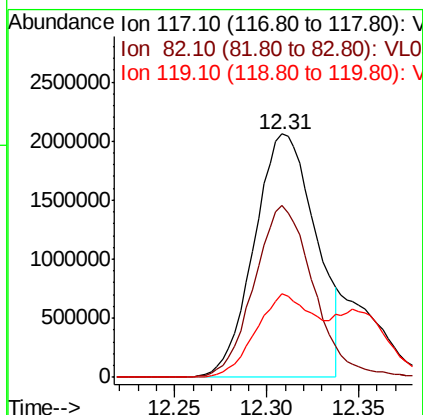
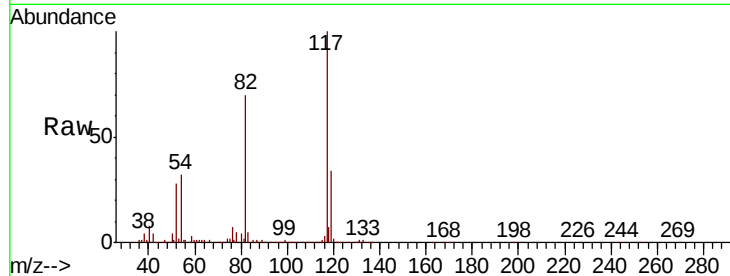
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.31 min Scan# 3490
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 4784195
Ion Ratio Lower Upper
117 100
82 68.9 52.6 78.8
119 57.5 25.7 38.5#

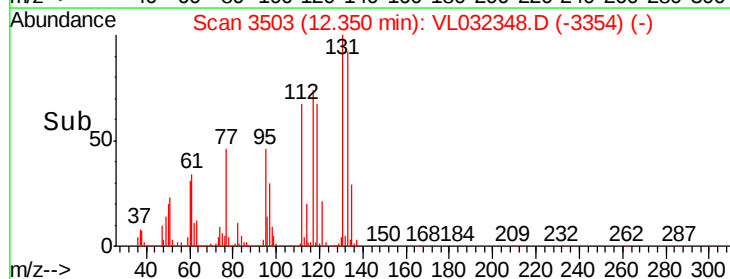
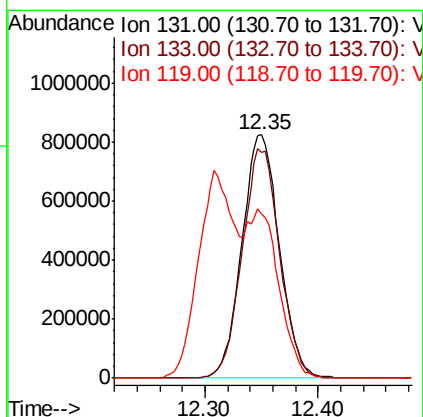
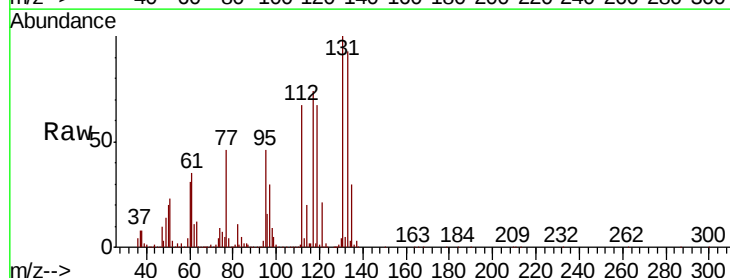
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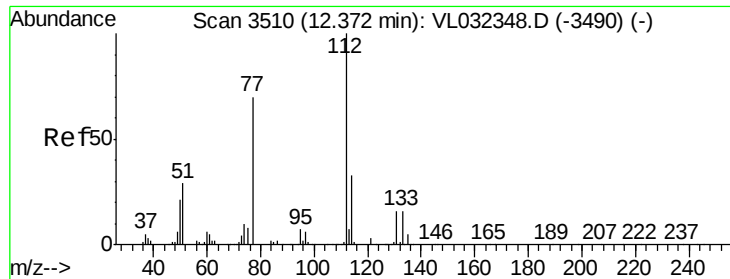
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.617 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion:131 Resp: 1897183
Ion Ratio Lower Upper
131 100
133 94.6 75.8 113.6
119 145.0 48.1 72.1#





#57

Chlorobenzene

Concen: 9.177 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 112 Resp: 3414004

Ion Ratio Lower Upper

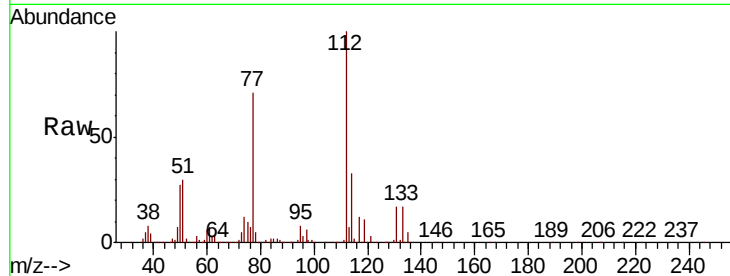
112 100

77 70.7 56.5 84.7

114 32.7 28.4 34.7

Manual Integrations
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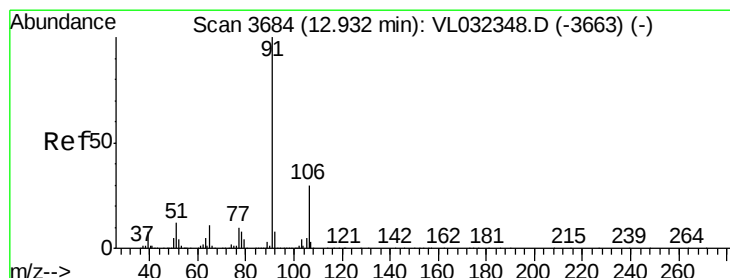
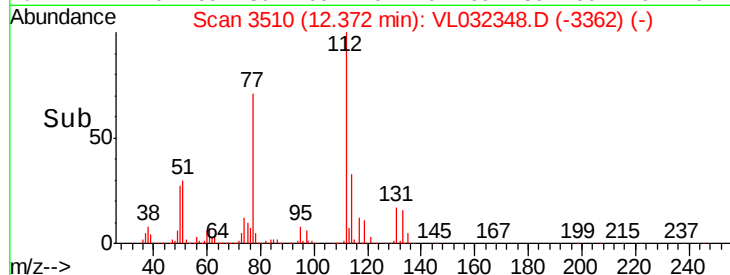
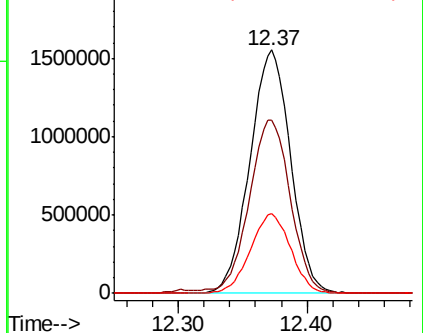
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.409 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. -0.02 min

Lab File: VL032348.D

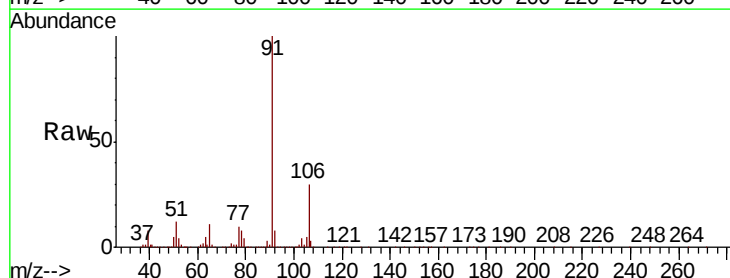
Acq: 15 Aug 2018 9:57

Tgt Ion: 91 Resp: 6243255

Ion Ratio Lower Upper

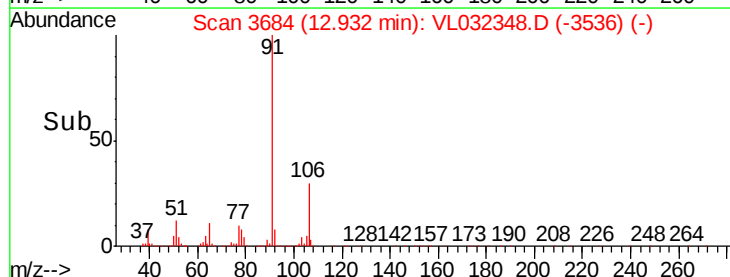
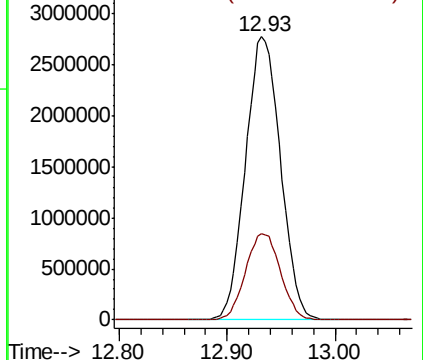
91 100

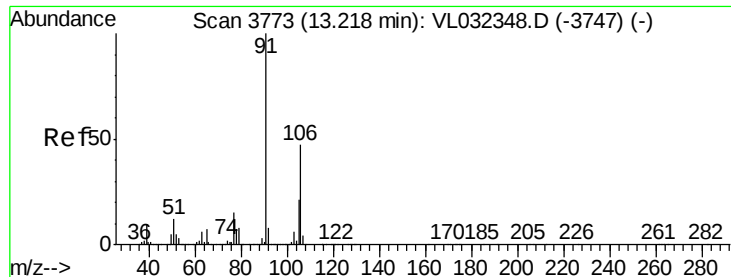
106 30.4 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





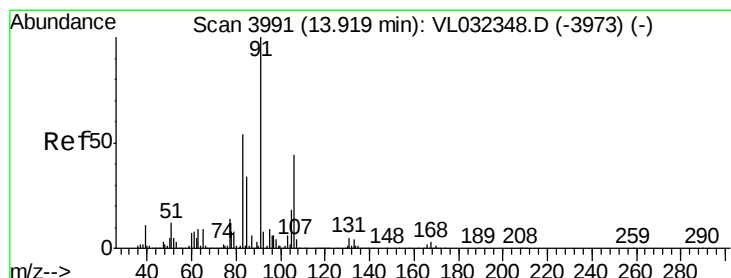
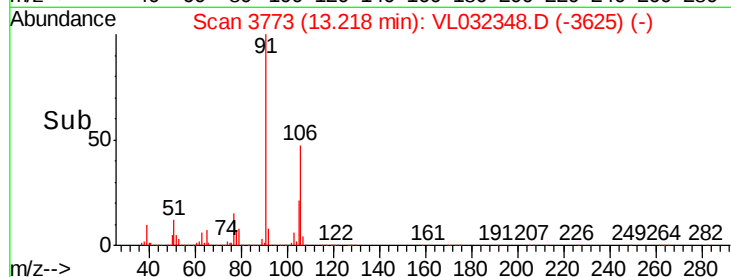
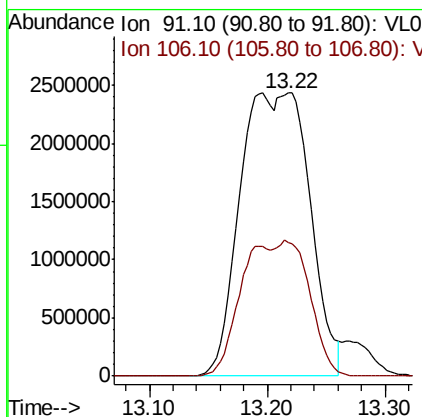
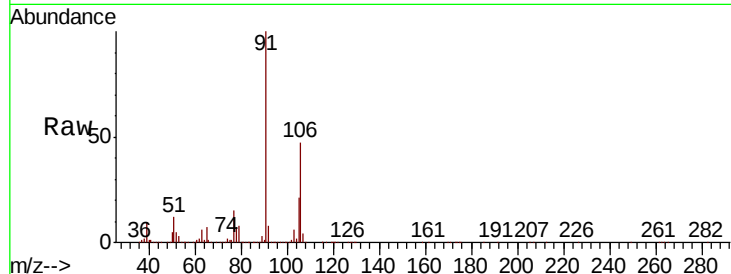
#59
m/p-Xylene
Concen: 19.607 ppbv m
RT: 13.22 min Scan# 3773
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp:10012809
Ion Ratio Lower Upper
91 100
106 46.2 36.4 54.6

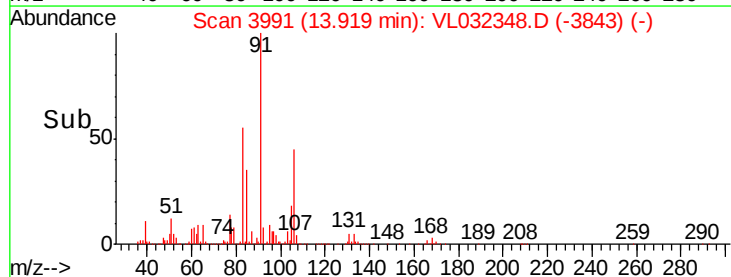
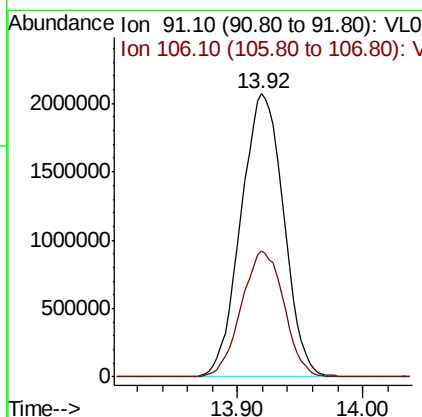
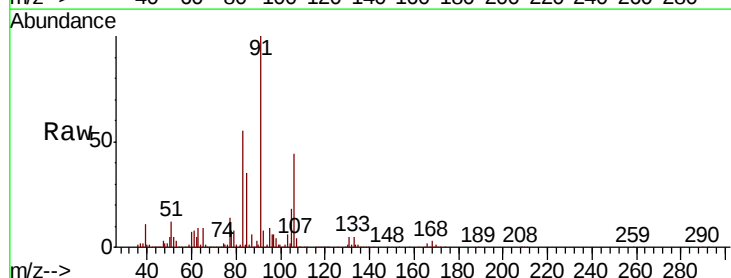
Manual Integrations
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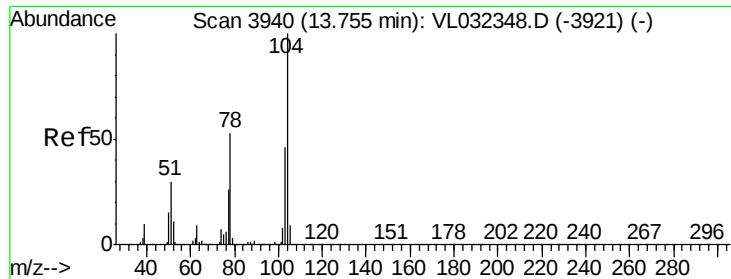
MMDadoda
8/17/2018 2:06:21 PM



#60
o-Xylene
Concen: 9.784 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. -0.02 min
Lab File: VL032348.D
Acq: 15 Aug 2018 9:57

Tgt Ion: 91 Resp: 4898501
Ion Ratio Lower Upper
91 100
106 44.5 22.4 67.0





#61

Styrene

Concen: 10.516 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:104 Resp: 3875061

Ion Ratio Lower Upper

104 100

78 53.3 42.6 63.8

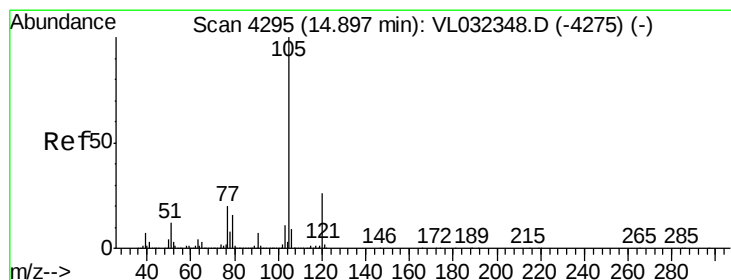
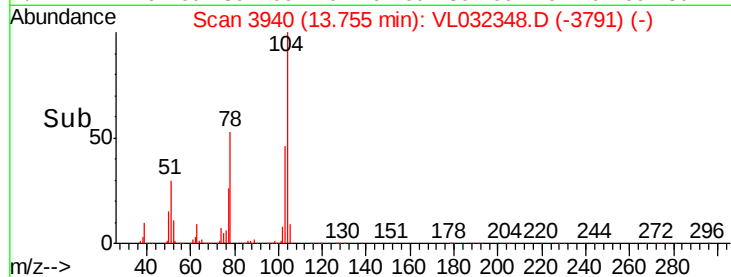
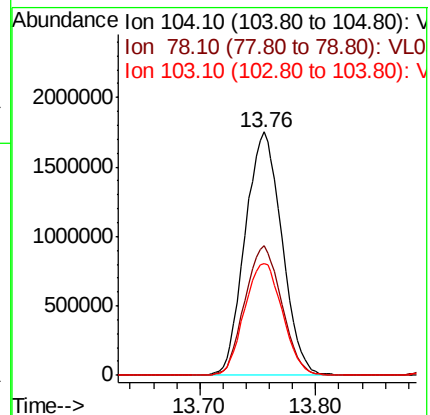
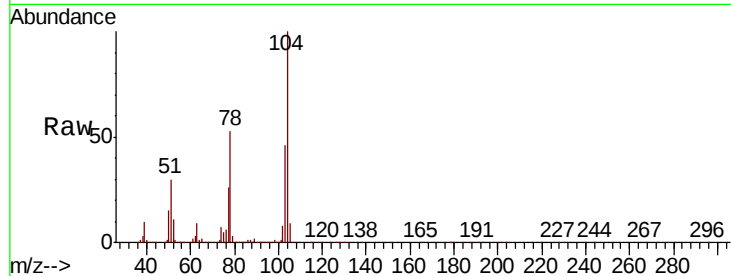
103 47.5 38.0 57.0

Manual Integrations

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#62

Isopropylbenzene

Concen: 9.758 ppbv

RT: 14.90 min Scan# 4295

Delta R.T. -0.02 min

Lab File: VL032348.D

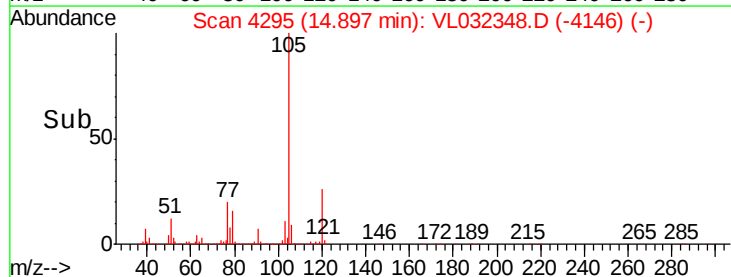
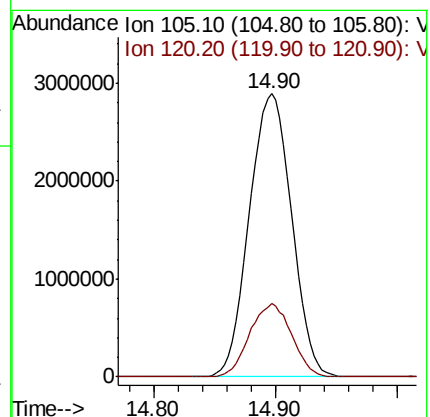
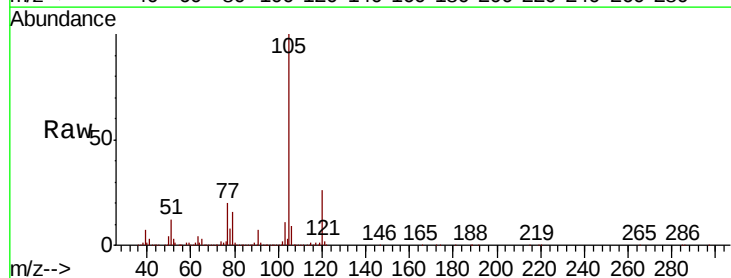
Acq: 15 Aug 2018 9:57

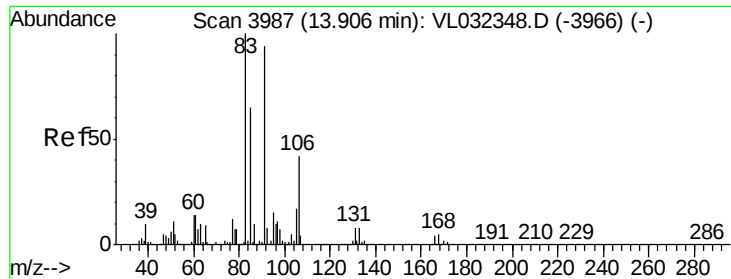
Tgt Ion:105 Resp: 6940731

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6





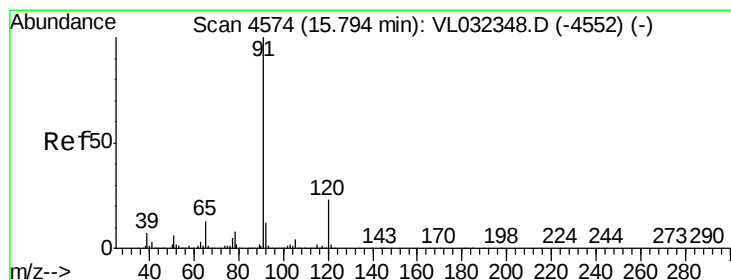
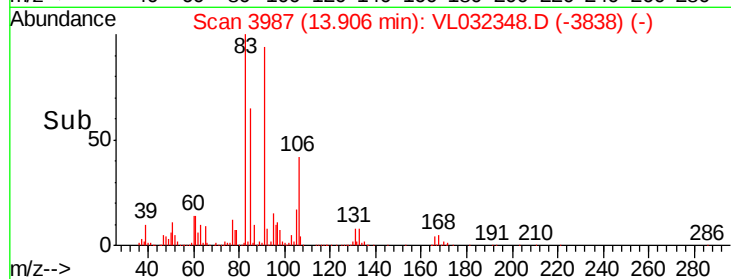
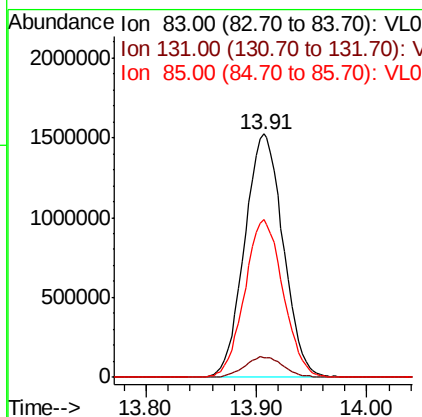
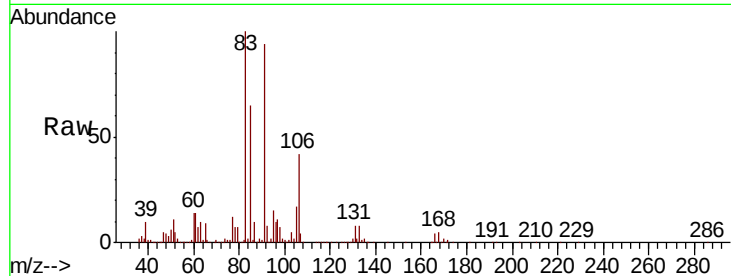
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.044 ppbv
 RT: 13.91 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.8	32.6	97.7

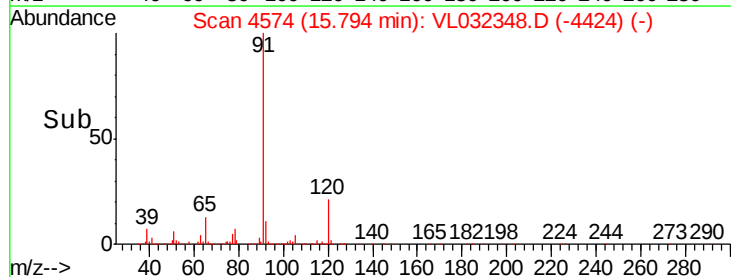
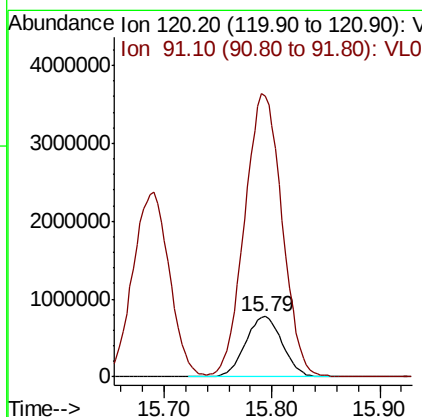
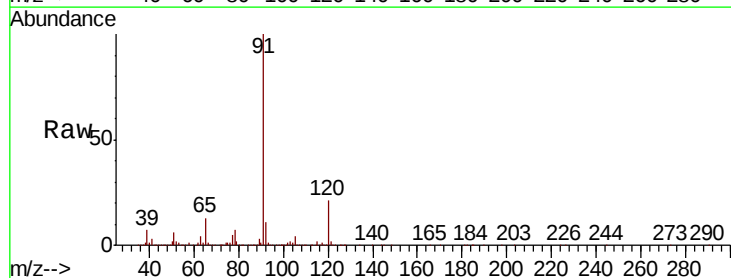
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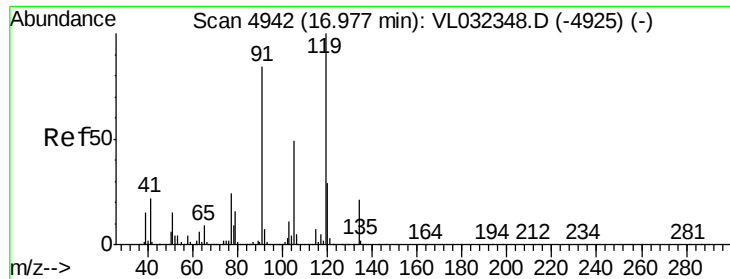
MMDadoda
 8/17/2018 2:06:21 PM



#64
 n-propylbenzene
 Concen: 9.935 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion	Ratio	Lower	Upper
120	100		
91	477.7	381.8	572.8





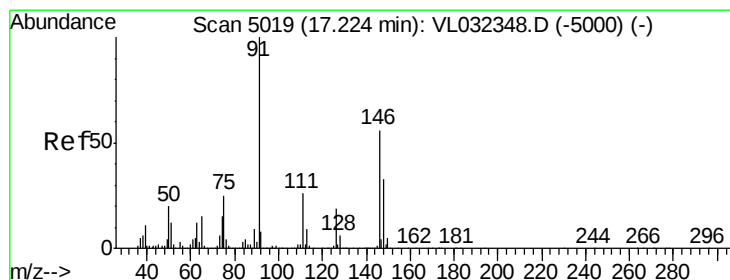
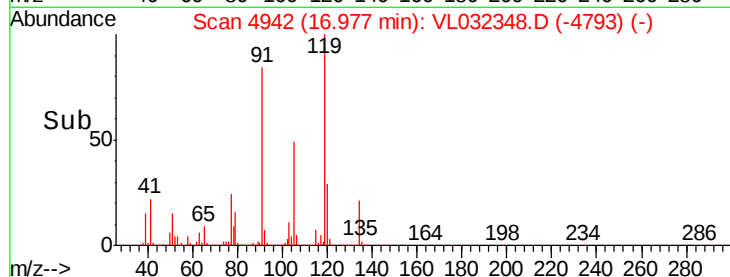
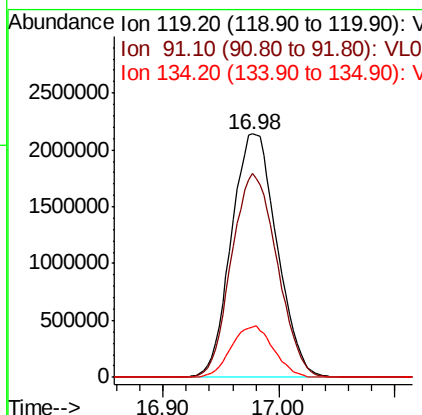
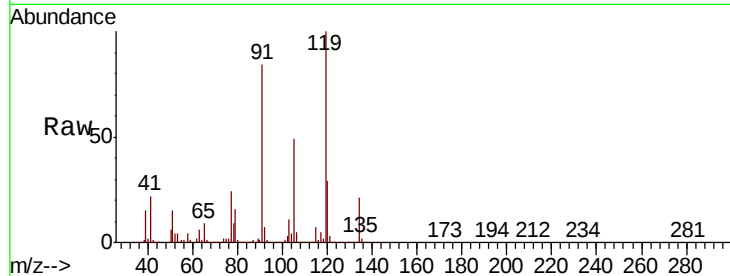
#65
 tert-Butylbenzene
 Concen: 9.696 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 5826825
 Ion Ratio Lower Upper
 119 100
 91 84.2 67.5 101.3
 134 19.7 15.8 23.6

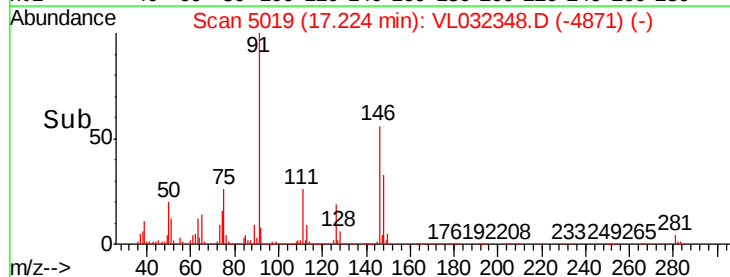
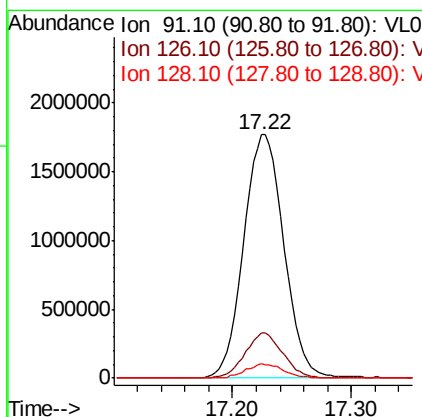
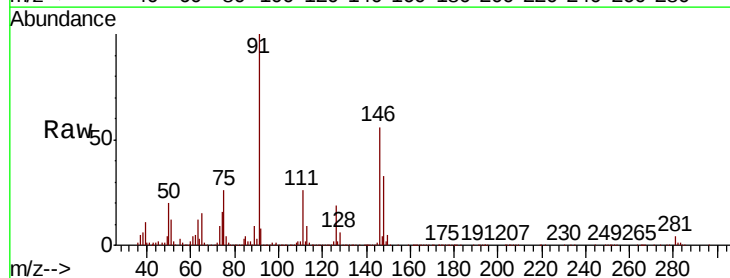
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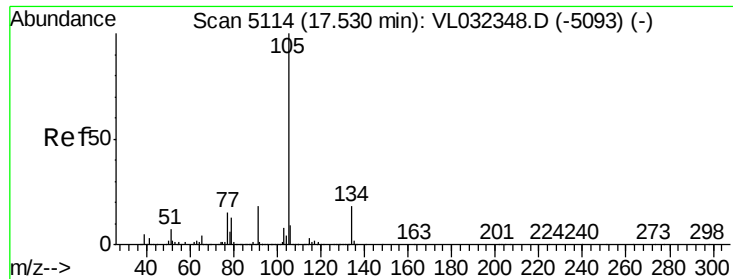
MMDadoda
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#66
 Benzyl Chloride
 Concen: 11.484 ppbv
 RT: 17.22 min Scan# 5019
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 91 Resp: 4113372
 Ion Ratio Lower Upper
 91 100
 126 17.8 13.7 20.5
 128 5.6 4.3 6.5





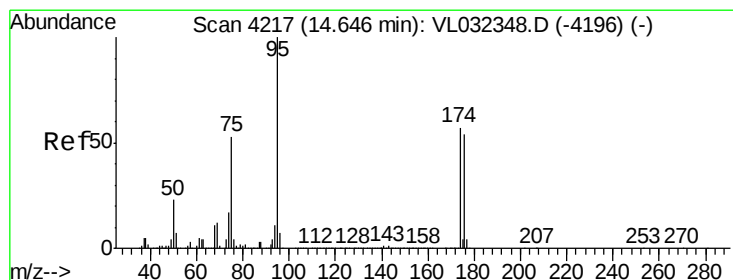
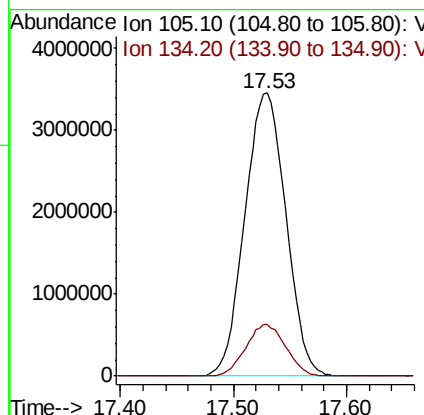
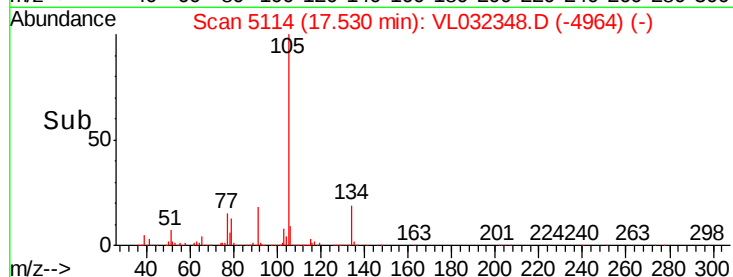
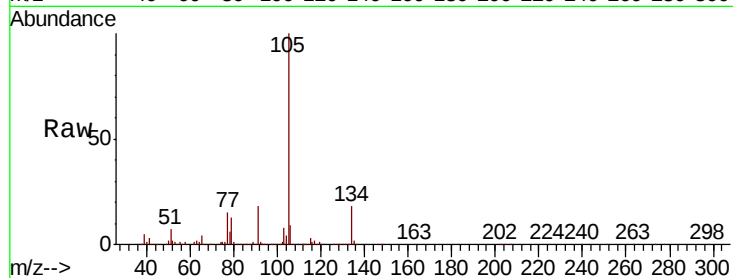
#67
 sec-Butylbenzene
 Concen: 9.699 ppbv
 RT: 17.53 min Scan# 5114
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 105 Resp: 8727455
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.2 21.4

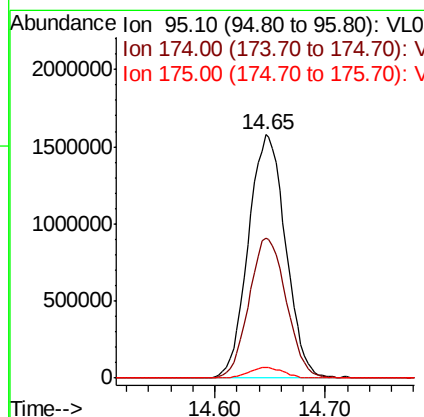
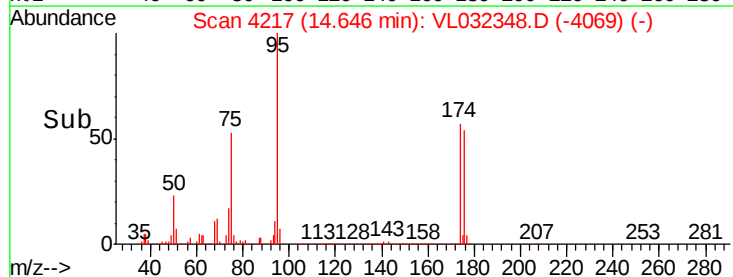
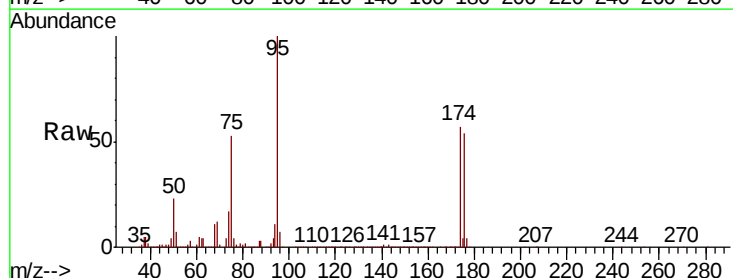
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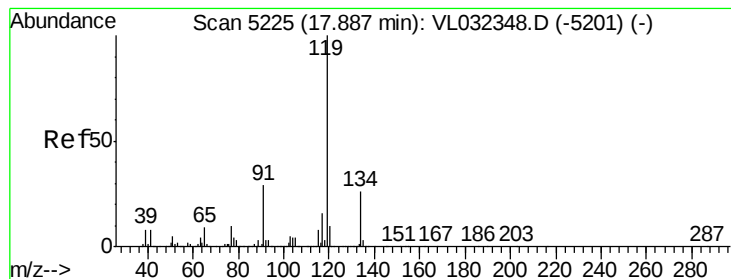
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.938 ppbv
 RT: 14.65 min Scan# 4217
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 95 Resp: 3690646
 Ion Ratio Lower Upper
 95 100
 174 57.8 45.5 68.3
 175 4.2 3.3 4.9





#69

p-Isopropyltoluene

Concen: 9.877 ppbv

RT: 17.89 min Scan# 5225

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 119 Resp: 6886266

Ion Ratio Lower Upper

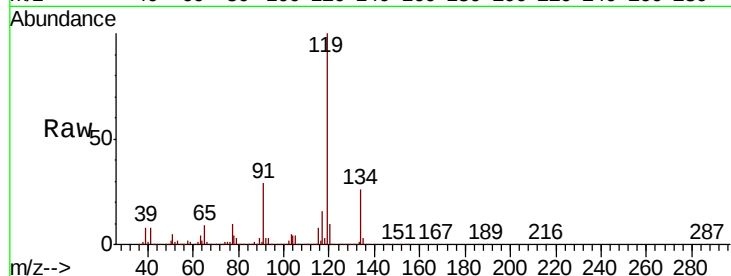
119 100

134 25.5 20.3 30.5

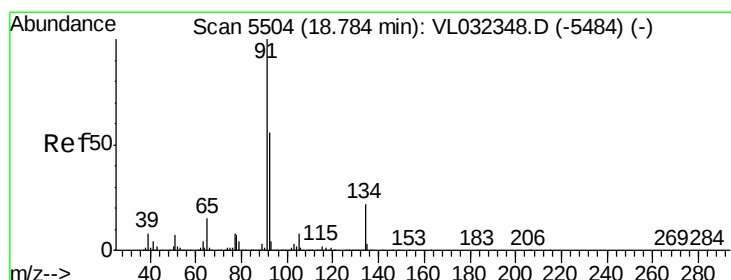
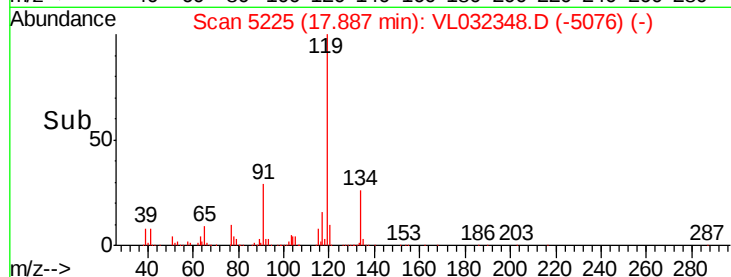
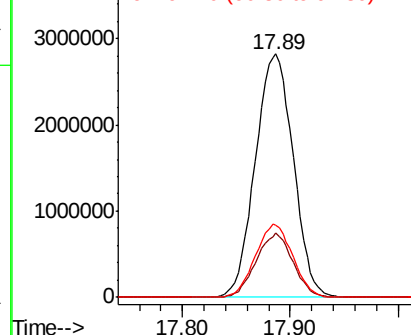
91 29.5 23.8 35.6

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Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.462 ppbv

RT: 18.78 min Scan# 5504

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

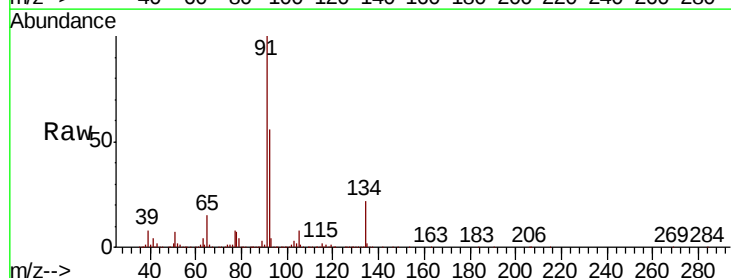
Tgt Ion: 91 Resp: 7616838

Ion Ratio Lower Upper

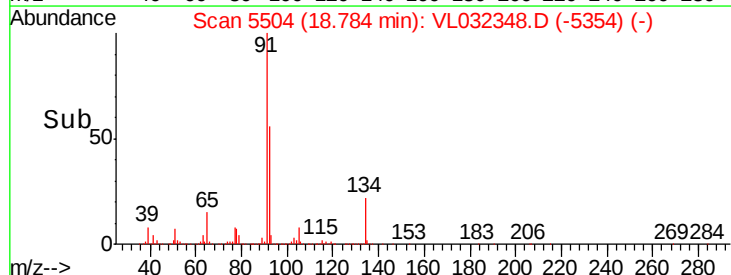
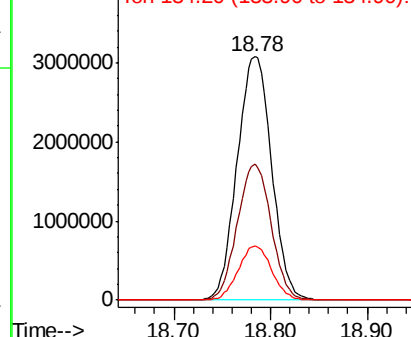
91 100

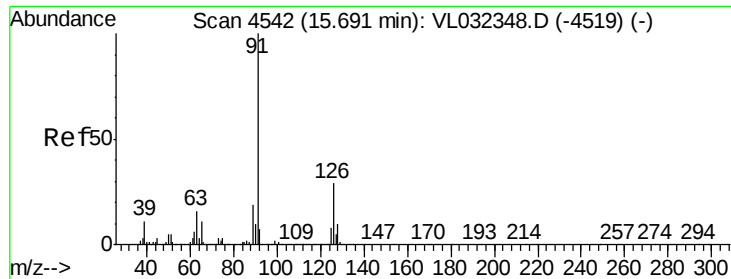
92 54.9 44.2 66.4

134 21.6 17.4 26.2



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V





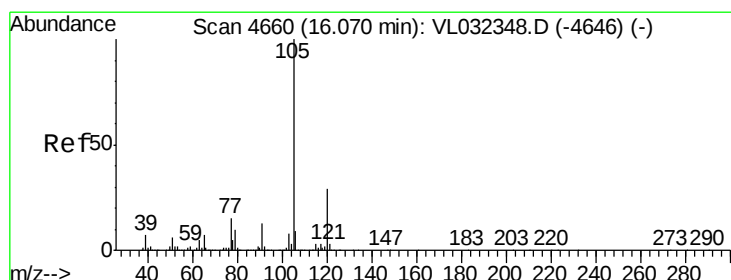
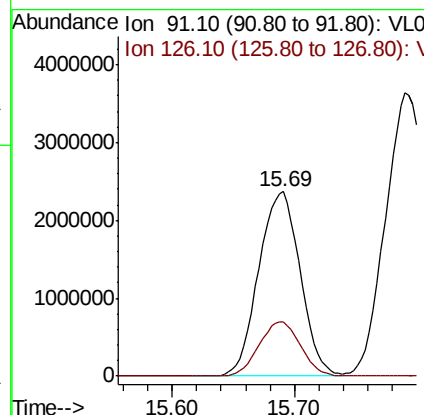
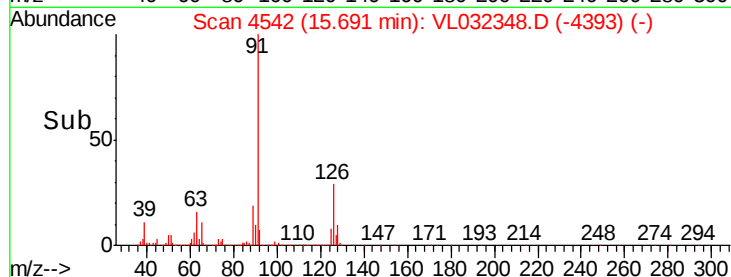
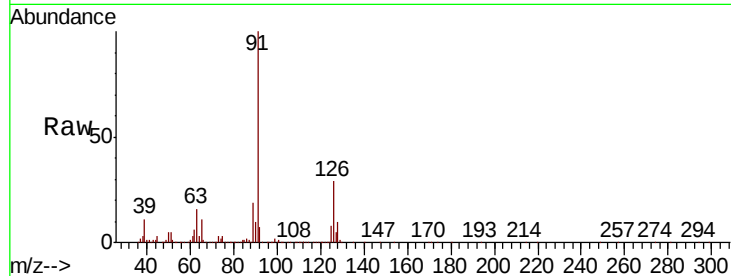
#71
 2-Chlorotoluene
 Concen: 10.009 ppbv
 RT: 15.69 min Scan# 4542
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 91 Resp: 5587008
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.8 47.0

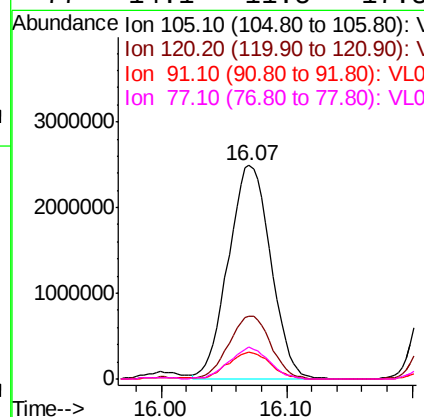
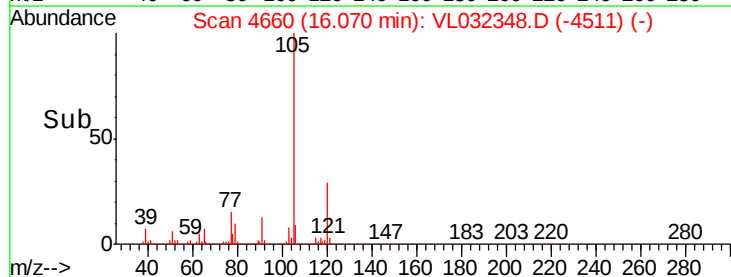
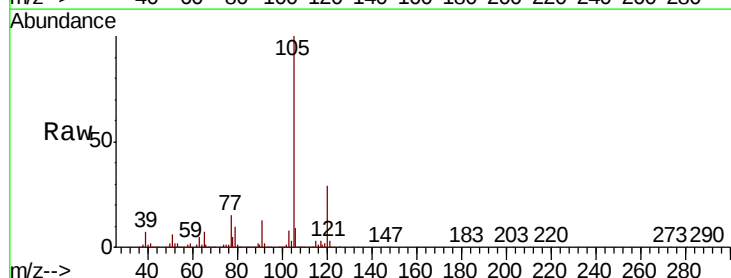
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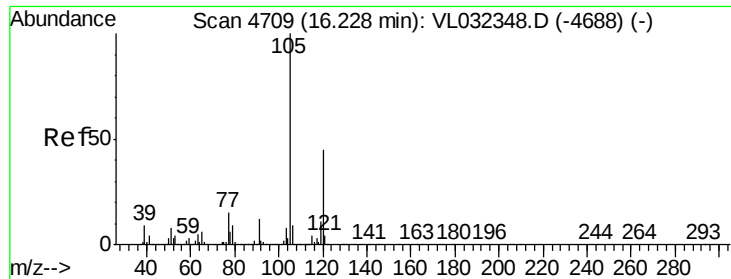
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 10.397 ppbv
 RT: 16.07 min Scan# 4660
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion: 105 Resp: 5834038
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.1 34.7
 91 12.5 10.0 15.0
 77 14.1 11.5 17.3





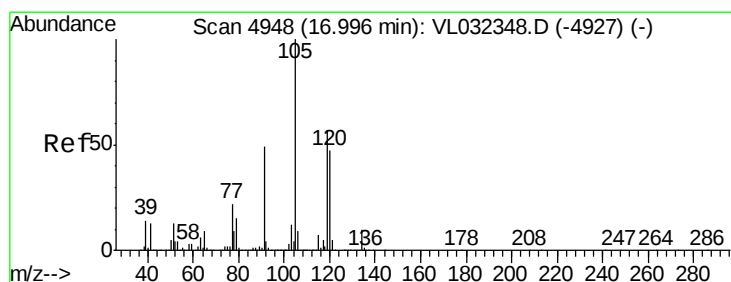
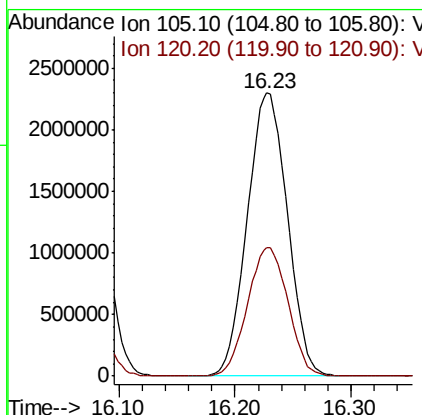
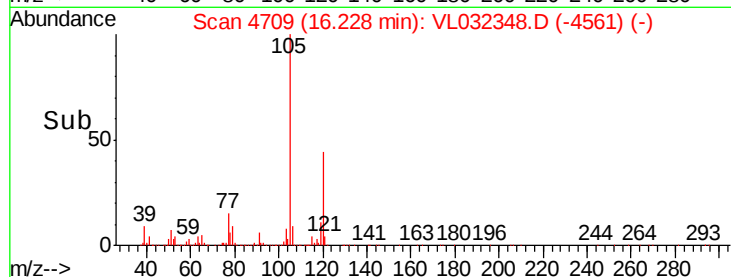
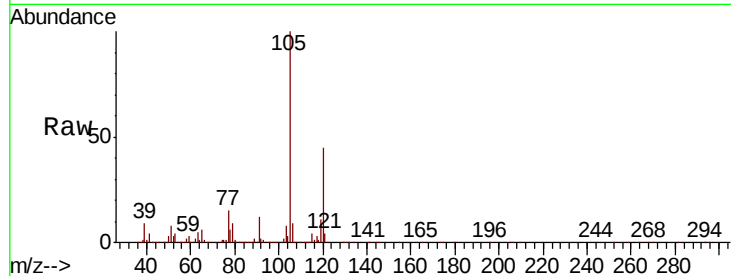
#73
 1,3,5-Trimethylbenzene
 Concen: 9.992 ppbv
 RT: 16.23 min Scan# 4709
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:105 Resp: 5518771
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.5 54.7

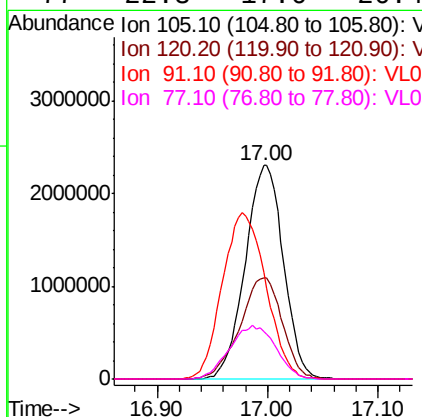
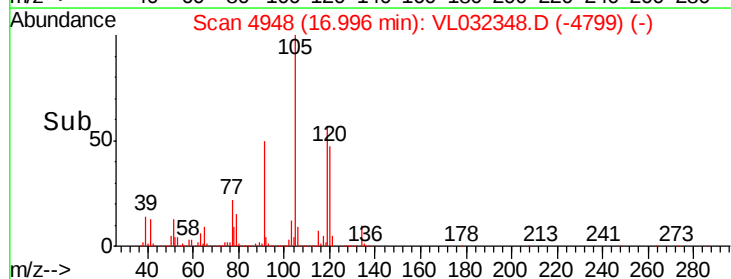
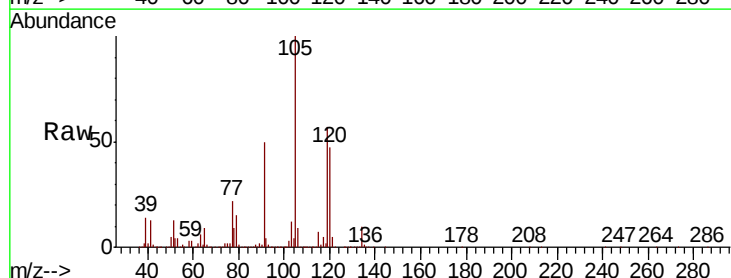
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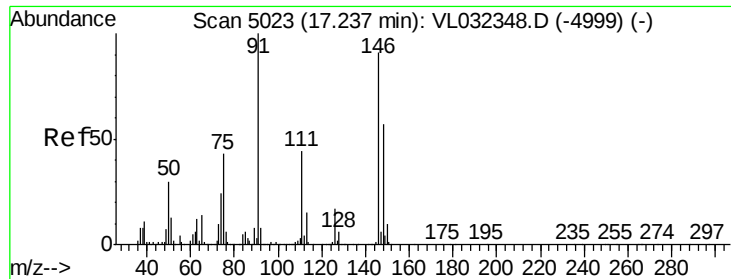
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.470 ppbv
 RT: 17.00 min Scan# 4948
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion:105 Resp: 5514012
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.8 56.6
 91 49.9 39.4 59.0
 77 22.3 17.6 26.4





#75

1,3-Dichlorobenzene

Concen: 9.292 ppbv

RT: 17.24 min Scan# 5023

Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

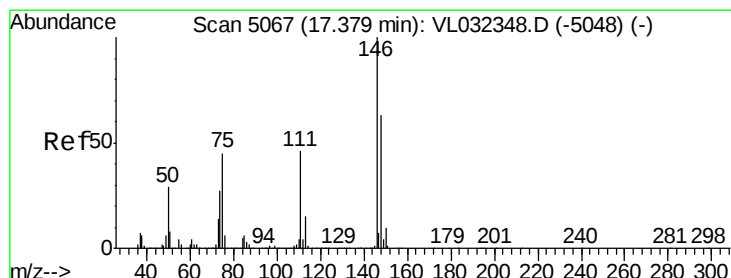
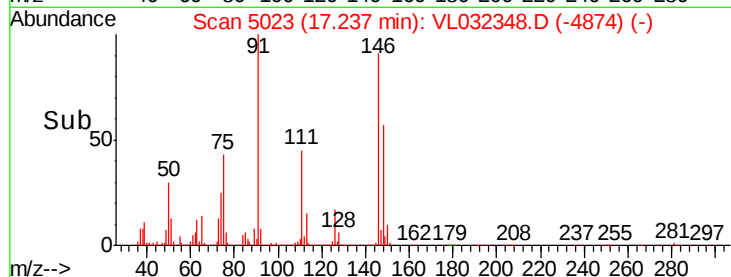
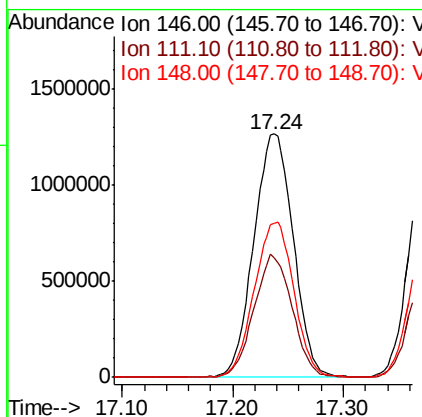
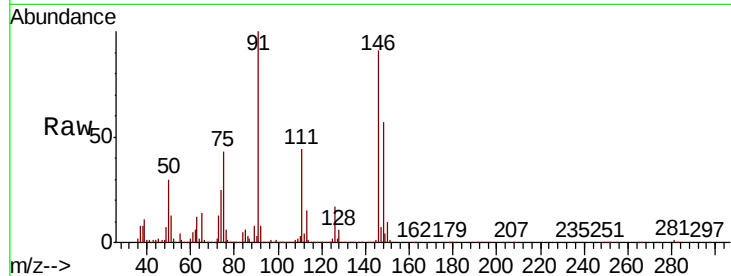
ClientSampleId :

VSTDICCC010

Tgt Ion:	146	Resp:	3133175
Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.6	73.8
148	64.0	31.6	95.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.841 ppbv

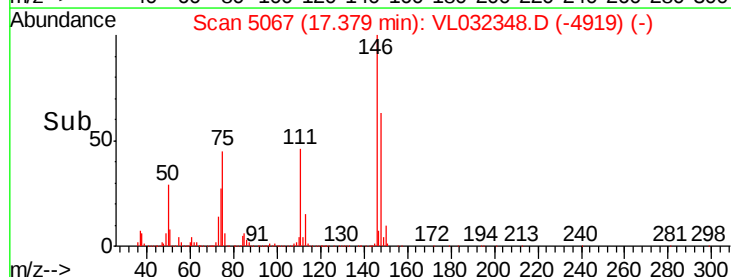
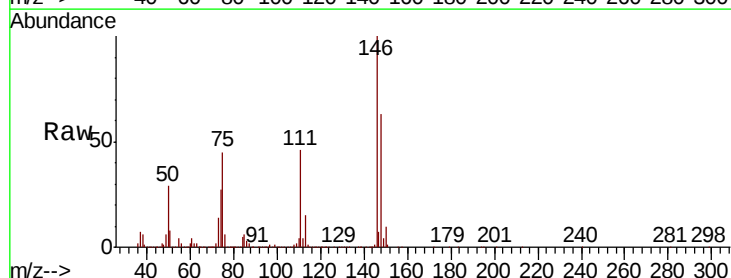
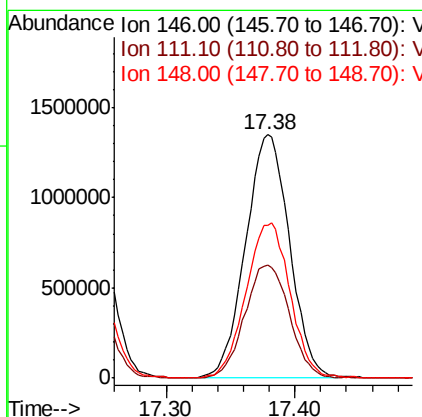
RT: 17.38 min Scan# 5067

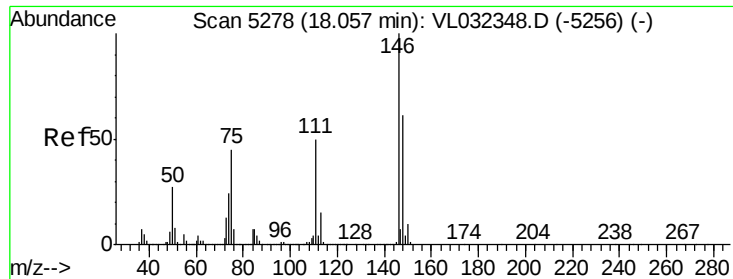
Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Tgt Ion:	146	Resp:	3183870
Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.6	70.8
148	64.4	32.1	96.3





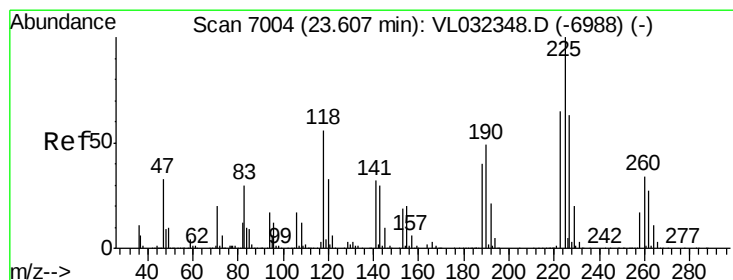
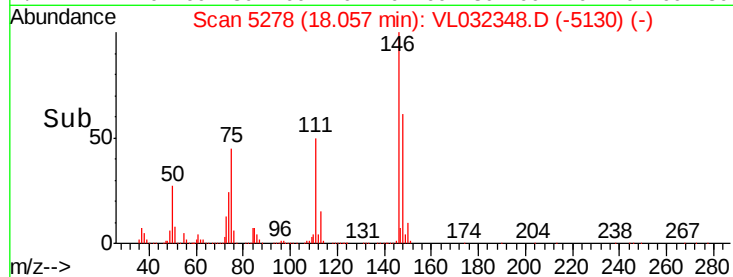
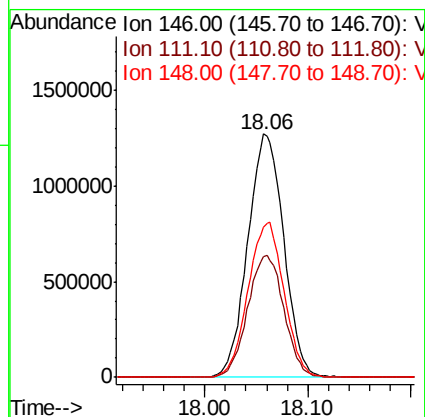
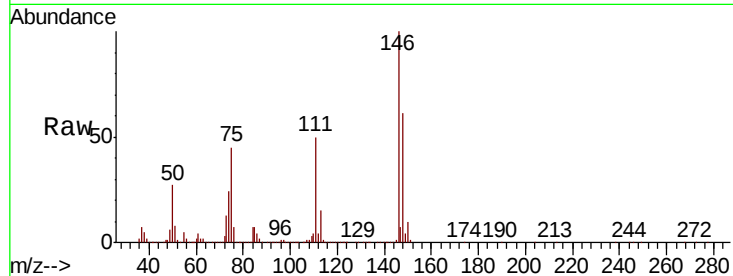
#77
 1,2-Dichlorobenzene
 Concen: 9.315 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 3086162
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.1 75.3
 148 63.6 31.9 95.7

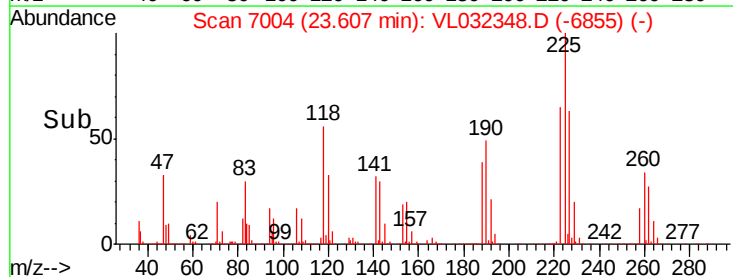
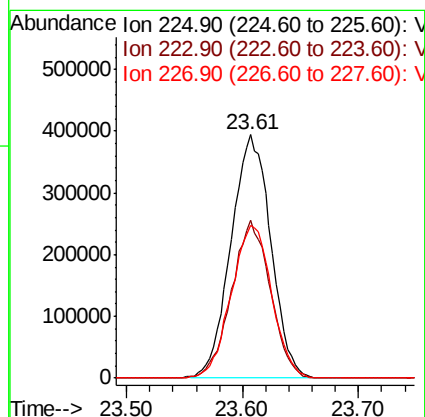
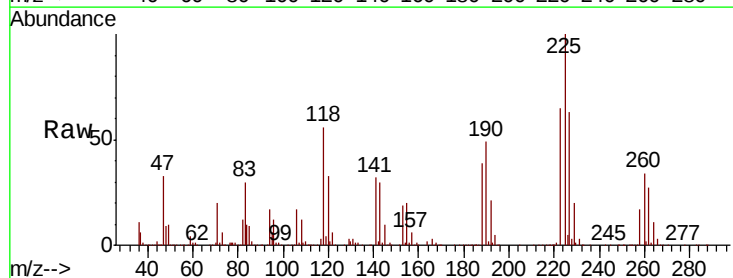
Manual Integrations
 APPROVED

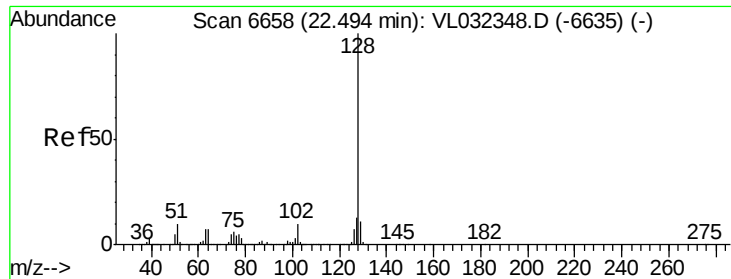
MMDadoda
 8/17/2018 2:06:21 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.059 ppbv
 RT: 23.61 min Scan# 7004
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Tgt Ion:225 Resp: 938938
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.5 75.7
 227 63.8 51.3 76.9





#79

Naphthalene

Concen: 10.709 ppbv

RT: 22.49 min Scan# 6658

Delta R.T. -0.03 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Instrument :

MSVOA_L

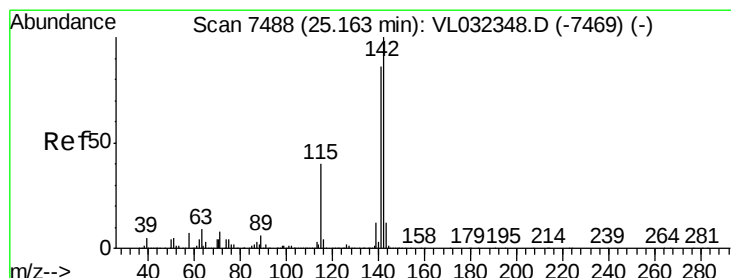
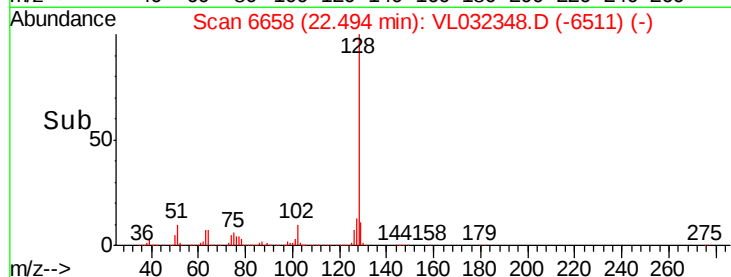
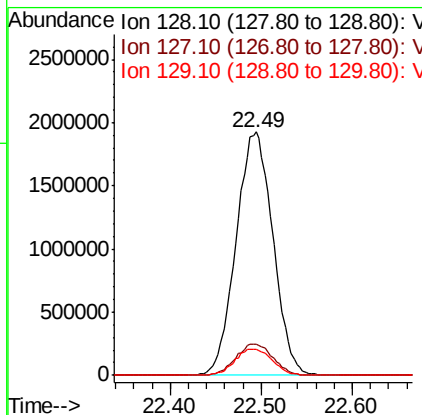
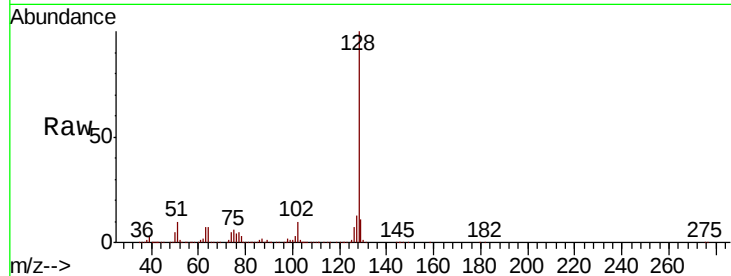
ClientSampleId :

VSTDICCC010

Tgt Ion:	128	Resp:	5411394
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.8	8.8	13.2

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#80

Naphthalene, 2-methyl-

Concen: 11.740 ppbv

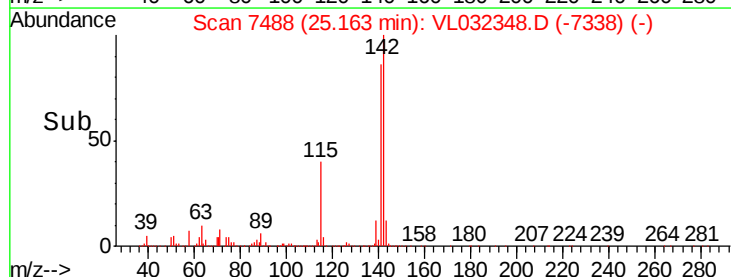
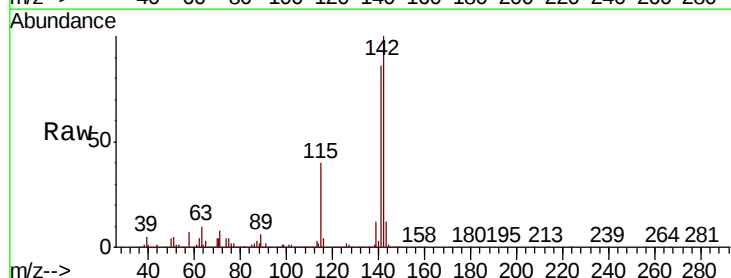
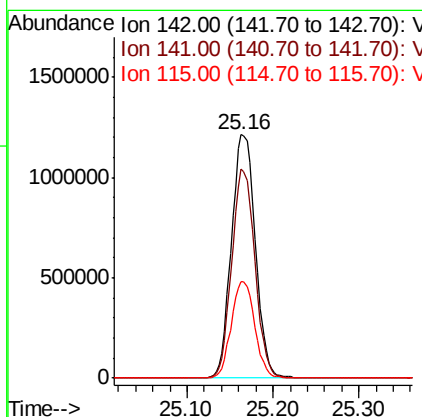
RT: 25.16 min Scan# 7488

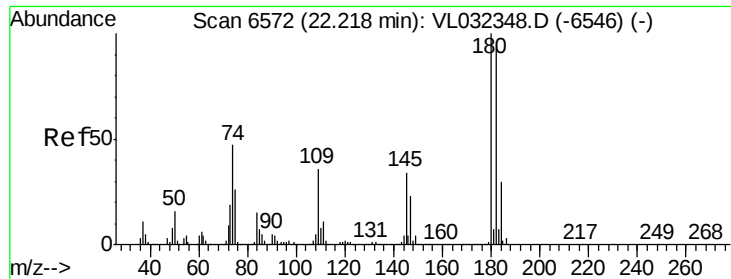
Delta R.T. -0.02 min

Lab File: VL032348.D

Acq: 15 Aug 2018 9:57

Tgt Ion:	142	Resp:	2347355
Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.7	100.1
115	38.8	31.1	46.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.347 ppbv
 RT: 22.22 min Scan# 6572
 Delta R.T. -0.02 min
 Lab File: VL032348.D
 Acq: 15 Aug 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	30.2	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:21 PM

