

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032848.D
 Acq On : 30 Nov 2018 13:42
 Operator : SY/AP
 Sample : VL1130ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:14:59 PM

Quant Time: Dec 01 02:35:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1437633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3554380	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3547616m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2706189	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1288089	6.233	ppbv	100
3) Chlorodifluoromethane	3.02	51	1038850	9.115	ppbv	98
4) Chloromethane	3.17	50	545762	8.635	ppbv	96
5) Vinyl Chloride	3.30	62	568688	8.492	ppbv	100
6) Bromomethane	3.52	94	389499	9.508	ppbv	95
7) Chloroethane	3.61	64	221942	9.195	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1480085	9.089	ppbv	98
9) Propene	3.04	41	401741	8.808	ppbv	98
10) Heptane	8.26	43	1730296	9.937	ppbv	100
11) Trichlorofluoromethane	4.01	101	2274501	11.679	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1548532	9.735	ppbv	97
13) Ethanol	3.66	45	106308	7.116	ppbv	100
14) Bromoethene	3.80	108	514008	9.740	ppbv	100
15) Acetone	3.91	43	1262001	9.612	ppbv	100
16) 1,3-Butadiene	3.37	39	483287	9.505	ppbv	95
17) tert-Butyl alcohol	4.36	59	436454	10.600	ppbv	100
18) 1,1-Dichloroethene	4.36	96	795189	10.166	ppbv	98
19) Isopropyl Alcohol	4.03	45	1012142	11.572	ppbv	100
20) Methylene Chloride	4.42	84	691593	10.175	ppbv	94
21) Allyl Chloride	4.49	41	1071092	9.708	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	778271	10.189	ppbv	100
23) Vinyl Acetate	5.17	43	2308337	9.645	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1806940	9.497	ppbv	99
25) Ethyl Acetate	5.78	43	3029960	9.902	ppbv	100
26) Hexane	5.79	57	1393610	10.231	ppbv	99
27) Carbon Disulfide	4.63	76	1952450	11.304	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2231205	10.272	ppbv	99
29) Chloroform	5.86	83	2425089	9.989	ppbv	96
30) Cyclohexane	7.26	84	1193506	10.018	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1365255	9.969	ppbv	96
32) 1,1,1-Trichloroethane	6.63	97	2486624	9.344	ppbv	99
34) 2-Butanone	5.34	43	1824265	9.896	ppbv	99
35) Carbon Tetrachloride	7.15	117	2708570	9.479	ppbv	99
36) Benzene	7.02	78	2803120	9.904	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1886535	9.901	ppbv	100
38) Trichloroethene	7.97	130	1199000	10.468	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1027895	9.532	ppbv	94
40) 1,4-Dioxane	7.97	88	404227	10.495	ppbv	84
41) Tetrahydrofuran	6.16	42	1074580	10.162	ppbv	98
42) Bromodichloromethane	7.93	83	2589278	10.025	ppbv	99
43) Methyl Methacrylate	8.15	69	1121924	10.617	ppbv	97

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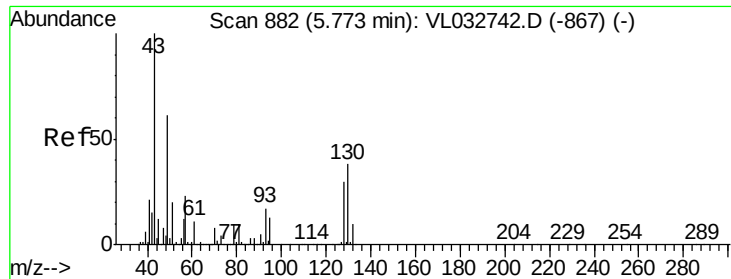
Manual Integrations
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Quant Time: Dec 01 02:35:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4745025	10.032	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1712997	12.081	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	1833817	10.705	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1267586	9.941	ppbv	100
48) Dibromochloromethane	10.46	129	2314067	10.677	ppbv	99
49) Bromoform	13.22	173	1998789	11.167	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2717501	9.438	ppbv	99
51) 2-Hexanone	10.28	43	2065856	11.136	ppbv #	100
52) Tetrachloroethene	11.38	164	1052259	10.687	ppbv	98
53) Toluene	9.96	91	3342451	11.320	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1905483	10.571	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1630378	9.853	ppbv	98
57) Chlorobenzene	12.32	112	2608044	9.604	ppbv	98
58) Ethyl Benzene	12.88	91	4606733	10.790	ppbv	99
59) m/p-Xylene	13.17	91	7694669m	20.245	ppbv	
60) o-Xylene	13.86	91	3787217	9.910	ppbv	99
61) Styrene	13.70	104	2794995	11.235	ppbv	99
62) Isopropylbenzene	14.84	105	5418923	10.490	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2618275	8.789	ppbv	100
64) n-propylbenzene	15.73	120	1395106	10.268	ppbv	96
65) tert-Butylbenzene	16.92	119	4849703	10.473	ppbv	99
66) Benzyl Chloride	17.17	91	2709764	10.585	ppbv	100
67) sec-Butylbenzene	17.47	105	6747412	10.111	ppbv	99
69) p-Isopropyltoluene	17.83	119	5505603	10.376	ppbv	99
70) n-Butylbenzene	18.73	91	5431432	10.081	ppbv	99
71) 2-Chlorotoluene	15.63	91	3999824	10.383	ppbv	99
72) 4-Ethyltoluene	16.01	105	4380348	10.457	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4198188	10.251	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4297693	9.806	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2393531	9.521	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2349222	10.004	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2327293	10.007	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	944230	7.523	ppbv	99
79) Naphthalene	22.42	128	2860242	9.935	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	715389	9.921	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1577440	10.911	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 49 Resp: 1437633

Ion Ratio Lower Upper

49 100

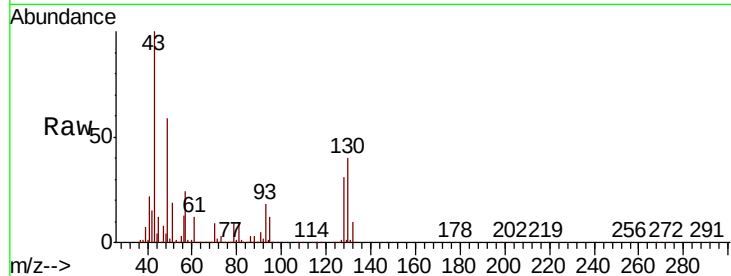
128 52.5 24.9 74.6

130 67.5 31.4 94.2

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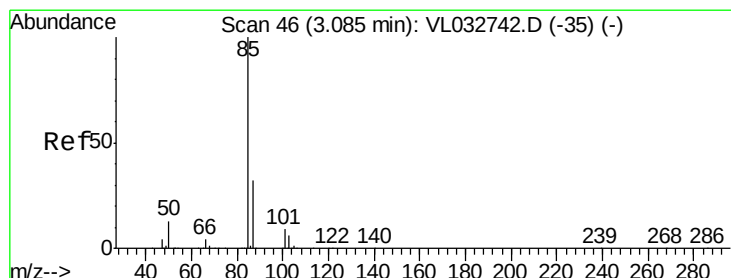
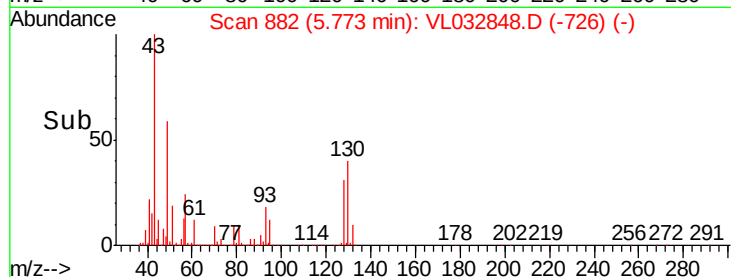
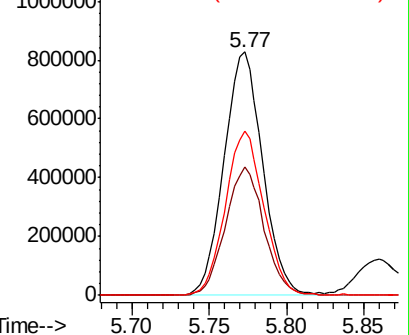
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.233 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032848.D

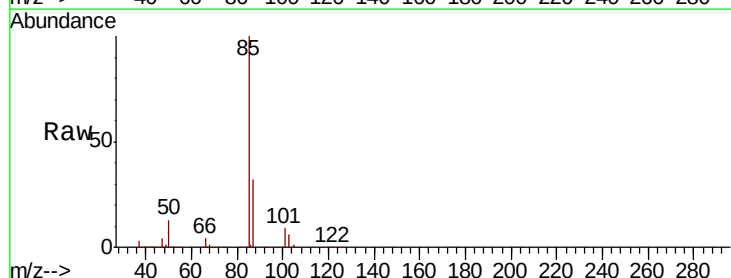
Acq: 30 Nov 2018 13:42

Tgt Ion: 85 Resp: 1288089

Ion Ratio Lower Upper

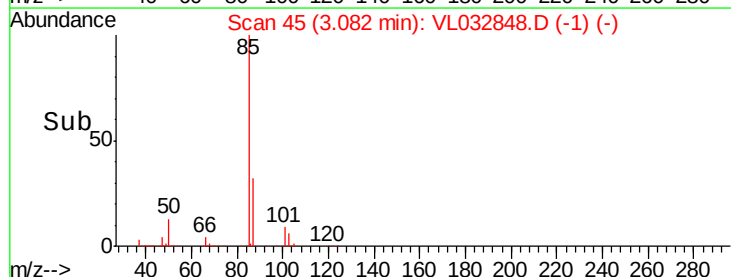
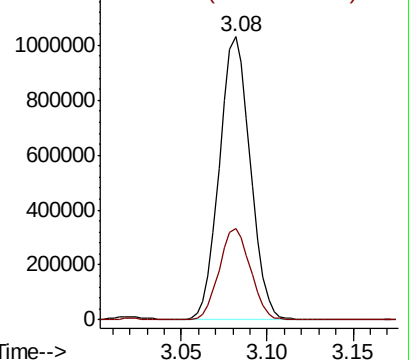
85 100

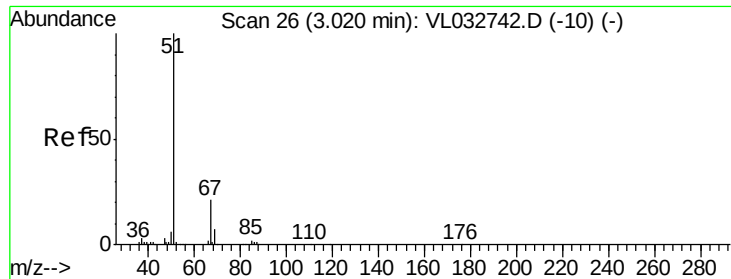
87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.115 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tot Ion: 51 Resp: 1038850

Ion Ratio Lower Upper

51 100

67 20.9 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

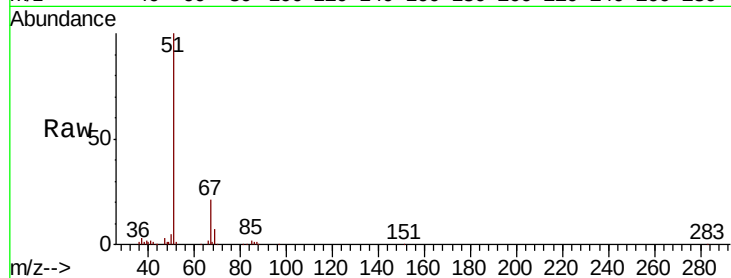
VL1130ABS01

Manual Integrations

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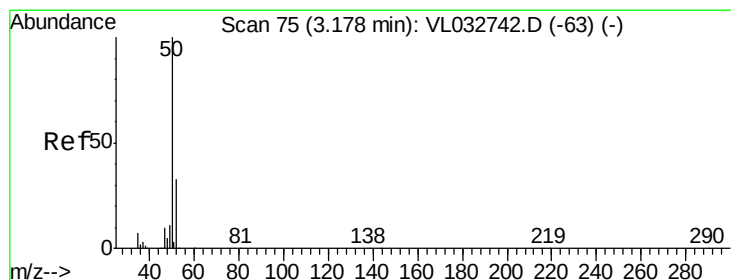
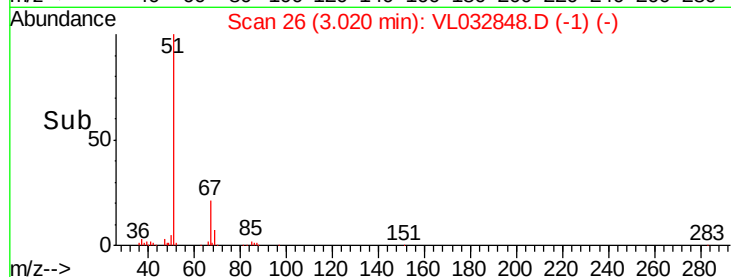
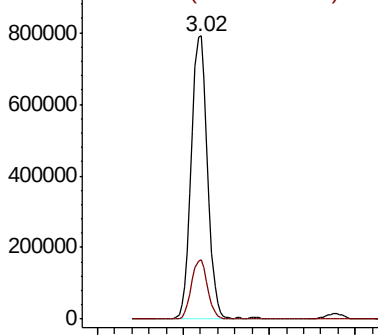
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.635 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032848.D

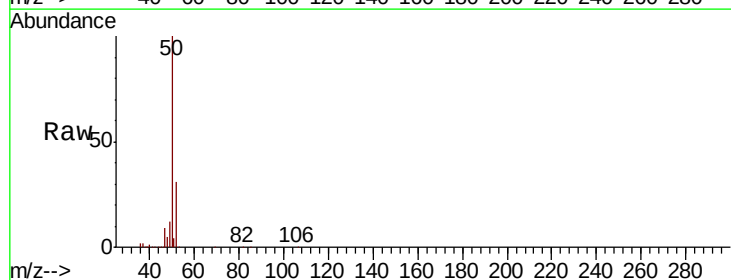
Acq: 30 Nov 2018 13:42

Tgt Ion: 50 Resp: 545762

Ion Ratio Lower Upper

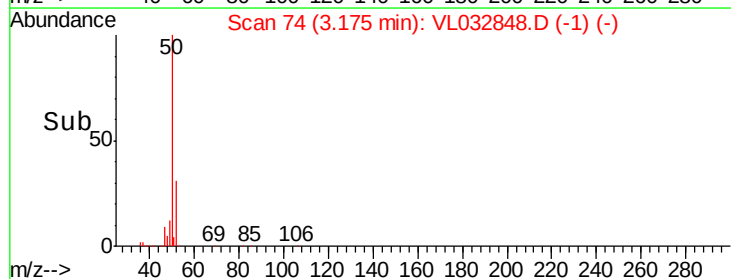
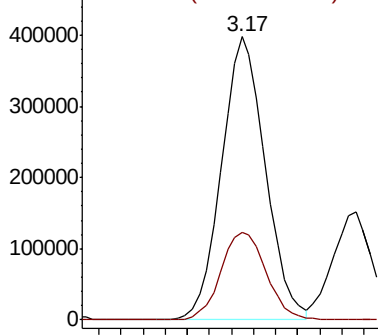
50 100

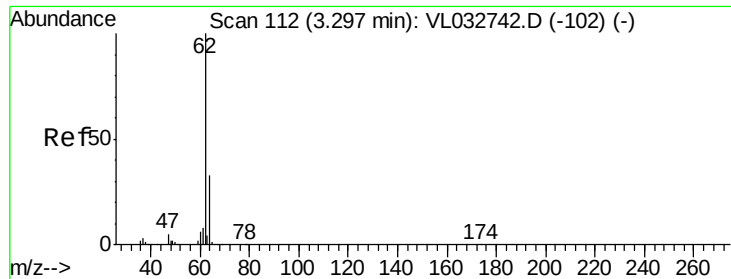
52 30.9 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.492 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 62 Resp: 568688

Ion Ratio Lower Upper

62 100

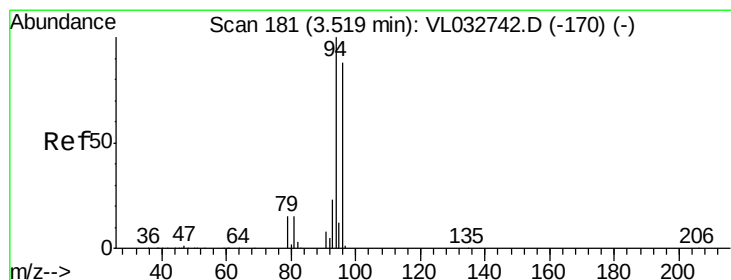
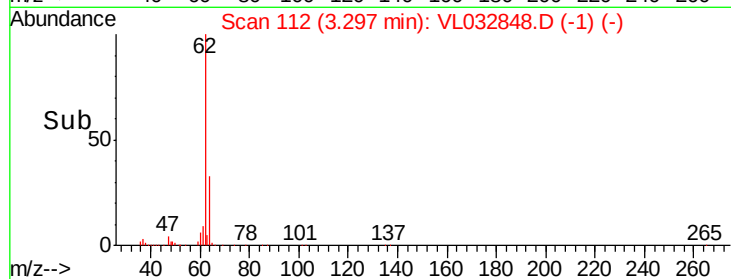
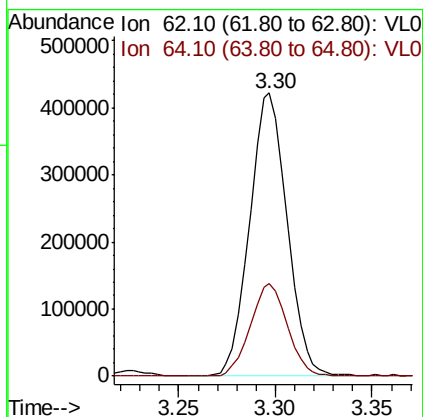
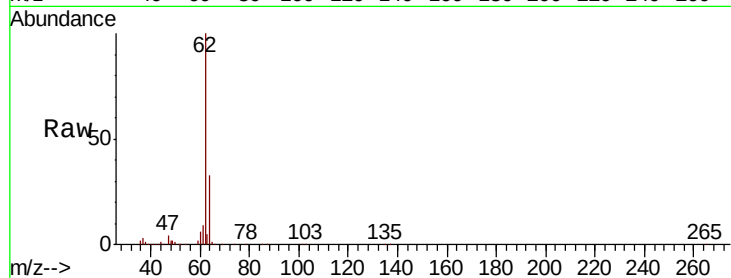
64 32.6 26.2 39.4

Manual Integrations

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#6

Bromomethane

Concen: 9.508 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032848.D

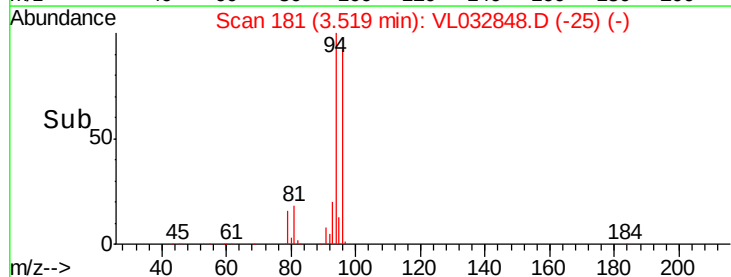
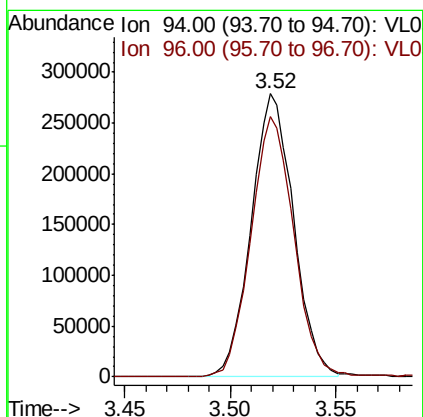
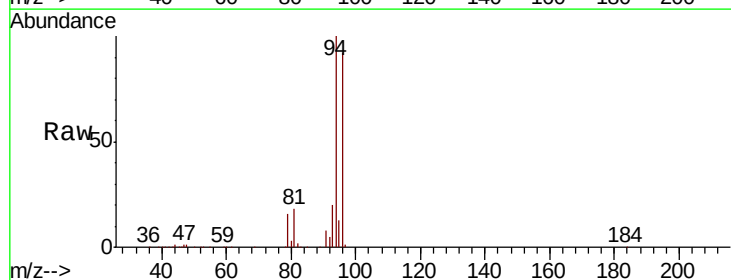
Acq: 30 Nov 2018 13:42

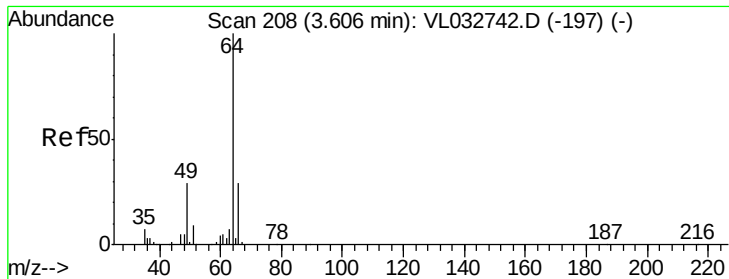
Tgt Ion: 94 Resp: 389499

Ion Ratio Lower Upper

94 100

96 91.9 70.2 105.2





#7

Chloroethane

Concen: 9.195 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 64 Resp: 221942

Ion Ratio Lower Upper

64 100

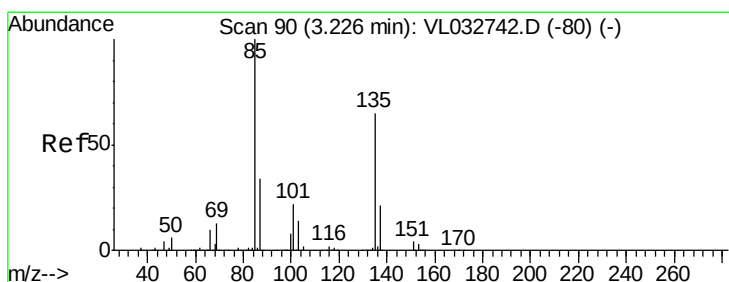
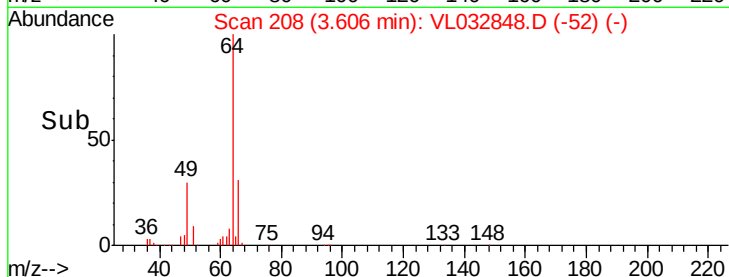
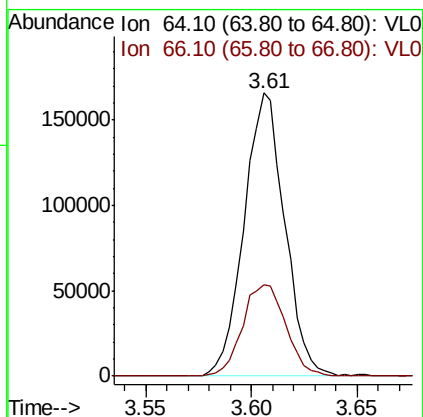
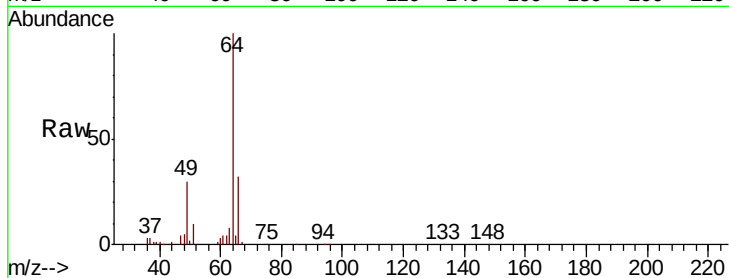
66 32.1 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.089 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL032848.D

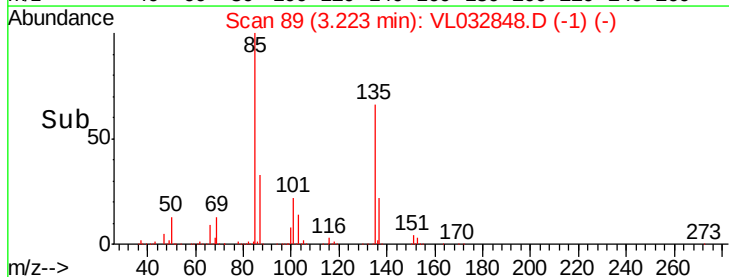
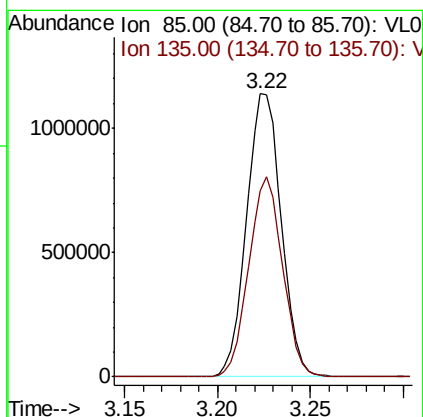
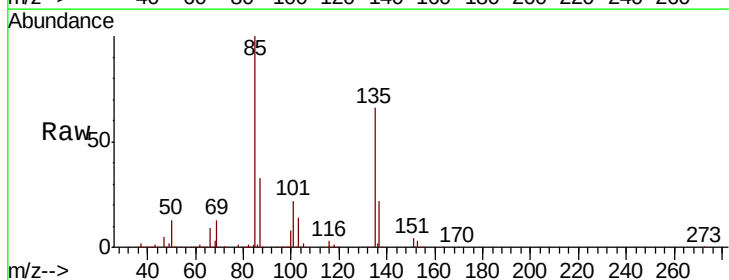
Acq: 30 Nov 2018 13:42

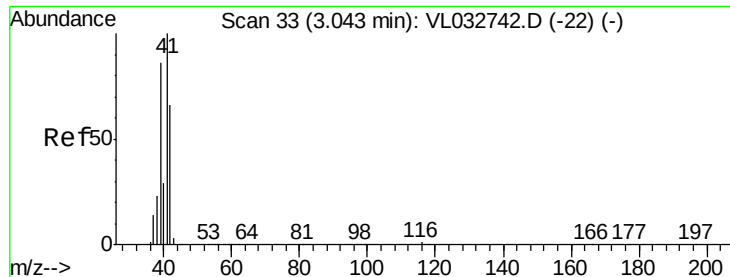
Tgt Ion: 85 Resp: 1480085

Ion Ratio Lower Upper

85 100

135 68.9 53.8 80.8





#9

Propene

Concen: 8.808 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 41 Resp: 401741

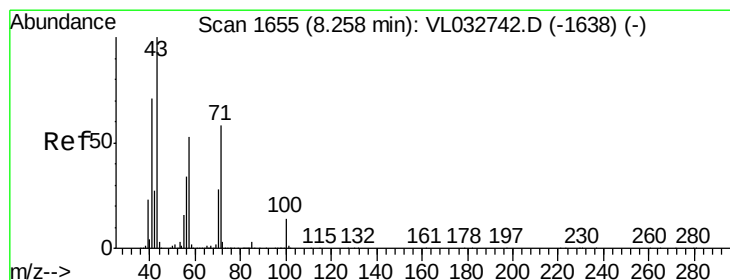
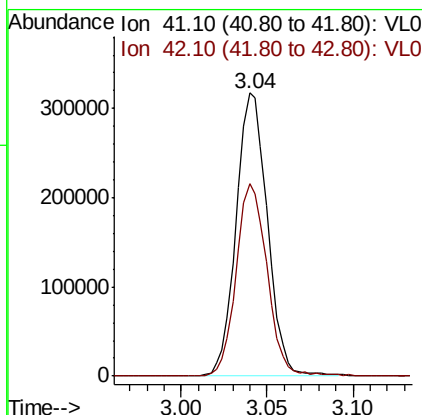
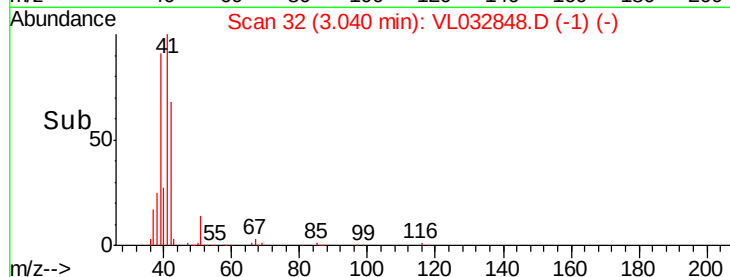
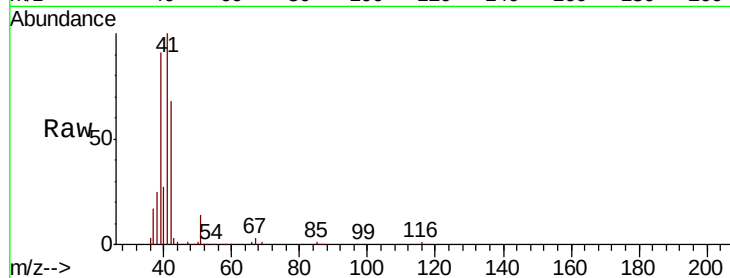
Ion Ratio Lower Upper

41 100

42 67.4 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 9.937 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032848.D

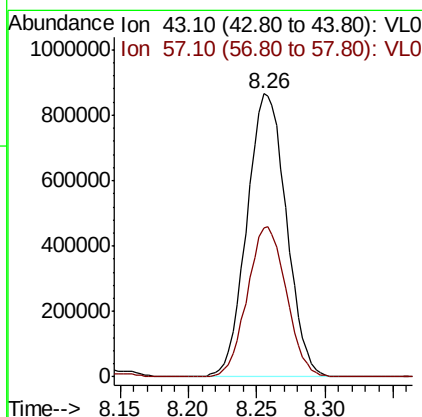
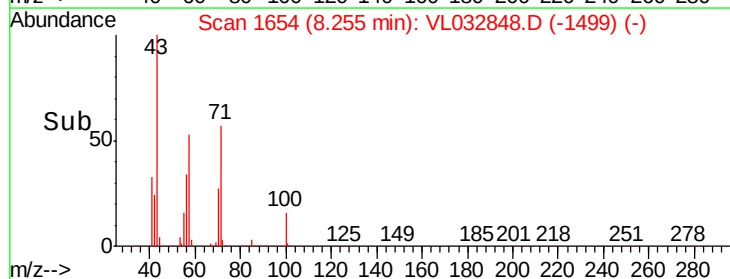
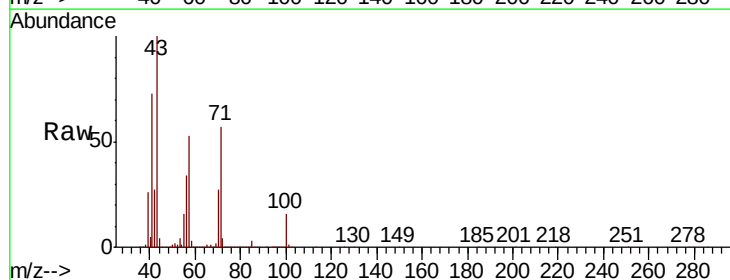
Acq: 30 Nov 2018 13:42

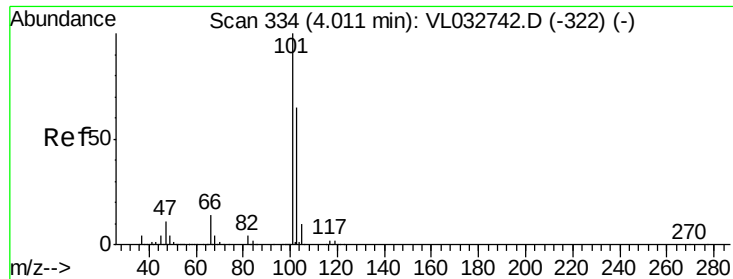
Tgt Ion: 43 Resp: 1730296

Ion Ratio Lower Upper

43 100

57 52.5 41.8 62.8





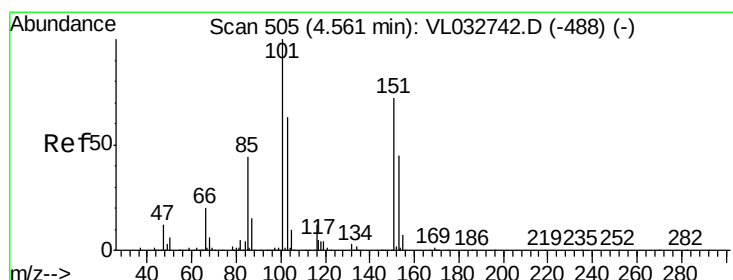
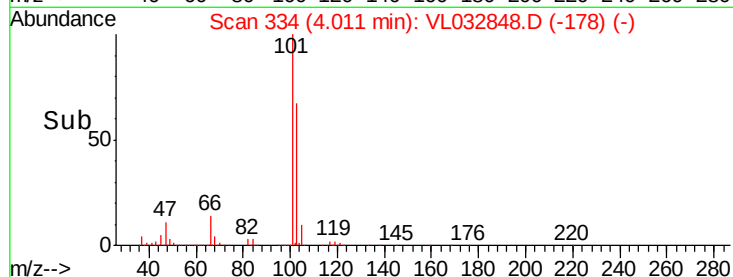
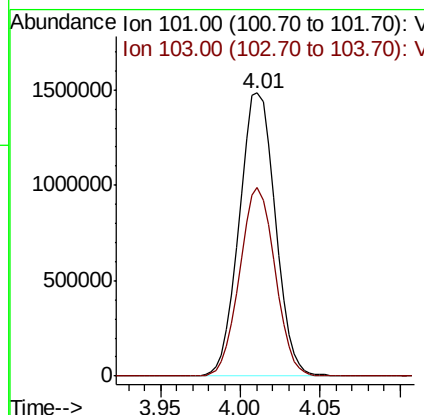
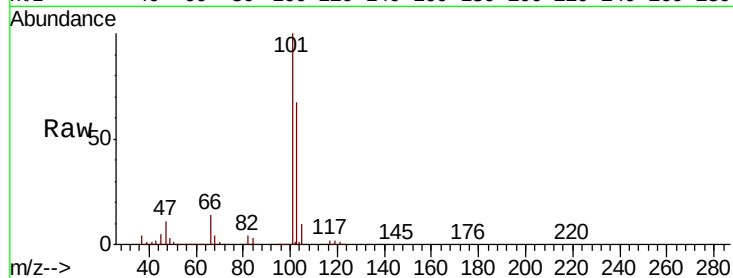
#11
 Trichlorofluoromethane
 Concen: 11.679 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion:101 Resp: 2274501
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.6 77.4

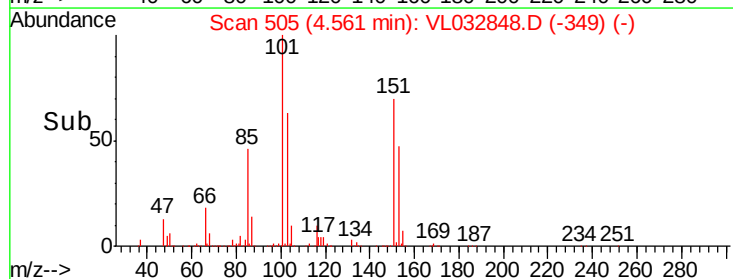
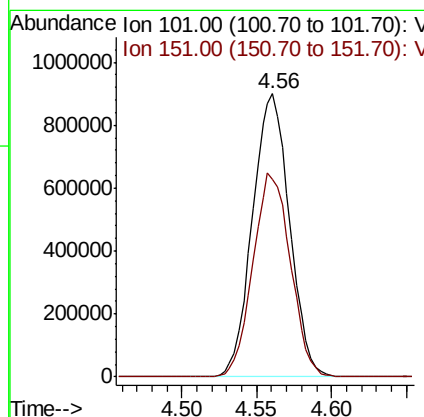
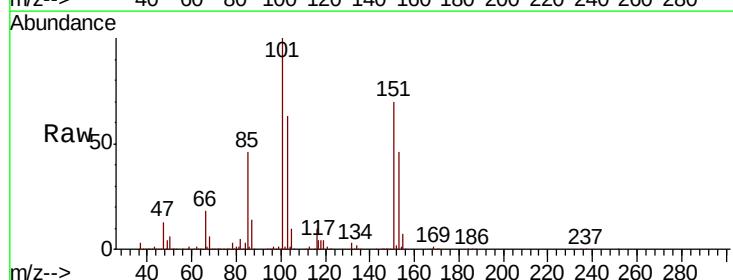
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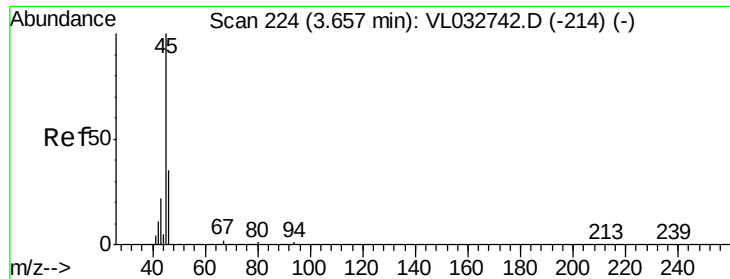
MMDadoda
 12/3/2018 4:14:59 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.735 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion:101 Resp: 1548532
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.7 85.1





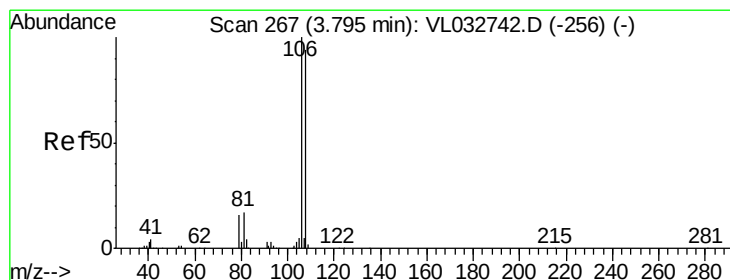
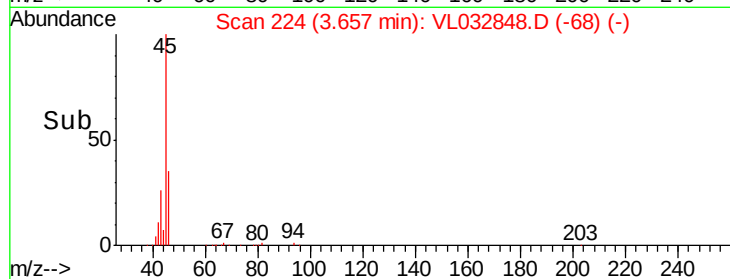
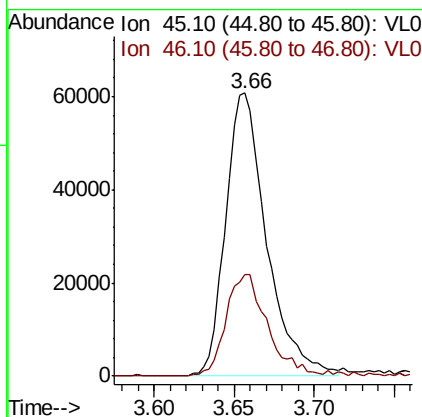
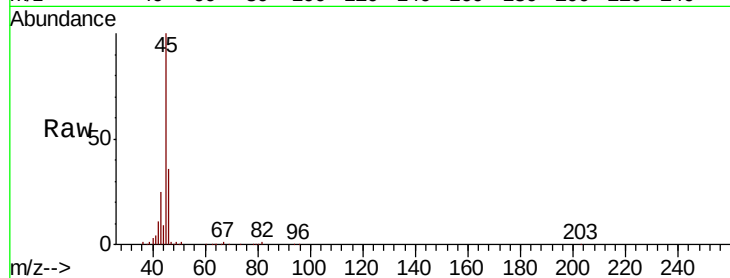
#13
Ethanol
Concen: 7.116 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	36.1		14.5	57.9	

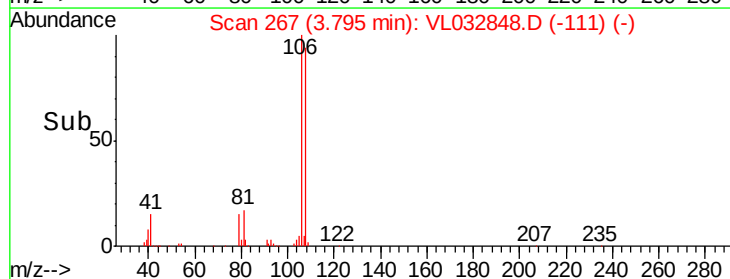
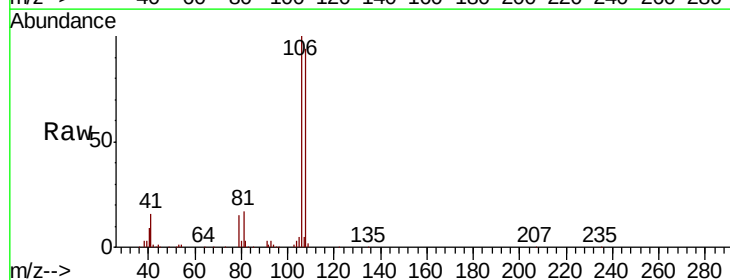
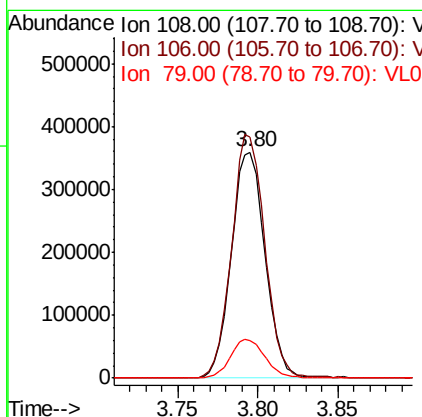
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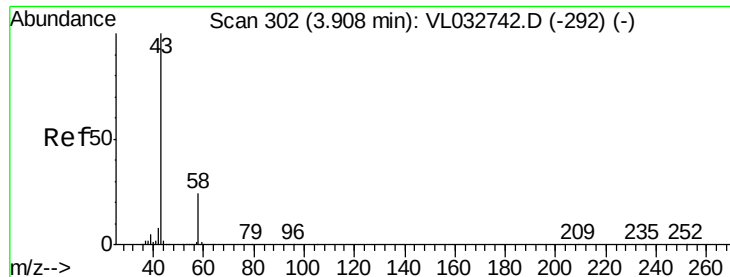
MMDadoda
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#14
Bromoethene
Concen: 9.740 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	106.2			84.9	127.3	
79	17.6			14.2	21.4	





#15

Acetone

Concen: 9.612 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tot Ion: 43 Resp: 1262001

Ion Ratio Lower Upper

43 100

58 26.6 21.1 31.7

Instrument :

MSVOA_L

ClientSampleId :

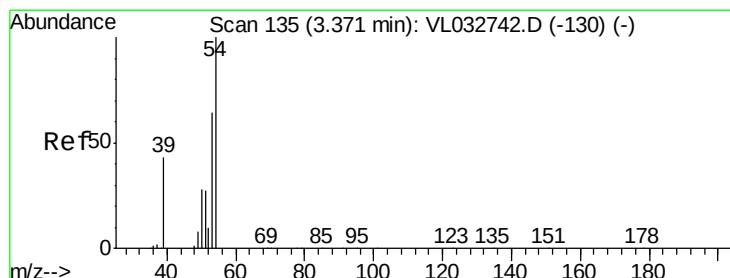
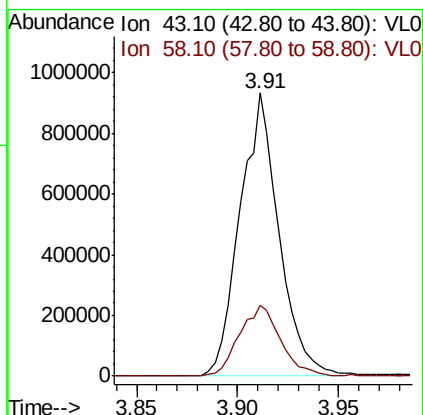
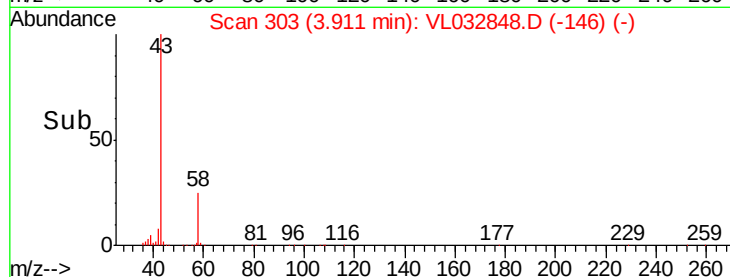
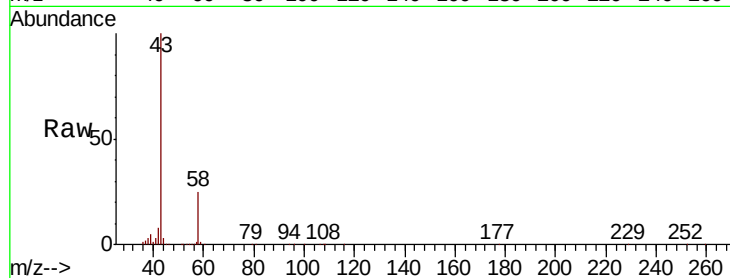
VL1130ABS01

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#16

1,3-Butadiene

Concen: 9.505 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032848.D

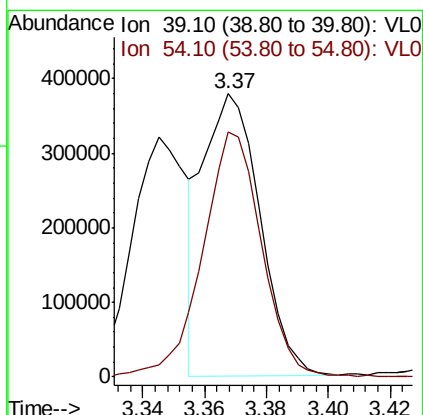
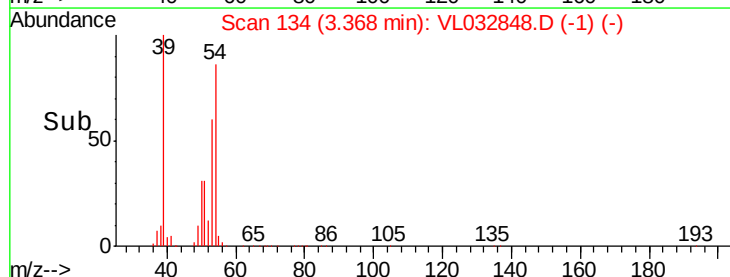
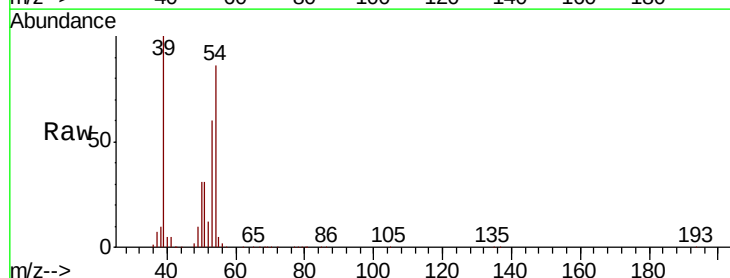
Acq: 30 Nov 2018 13:42

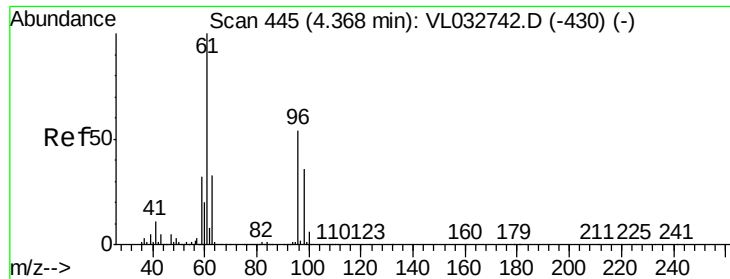
Tgt Ion: 39 Resp: 483287

Ion Ratio Lower Upper

39 100

54 90.3 68.9 103.3





#17

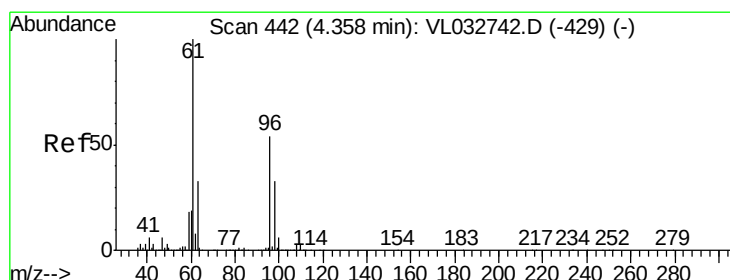
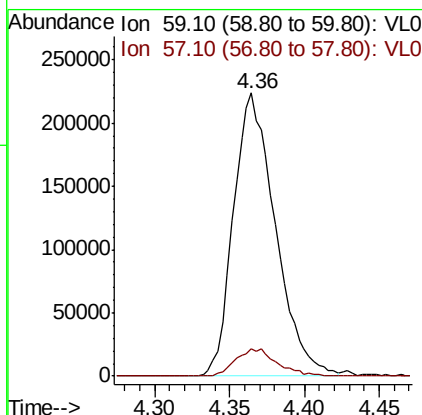
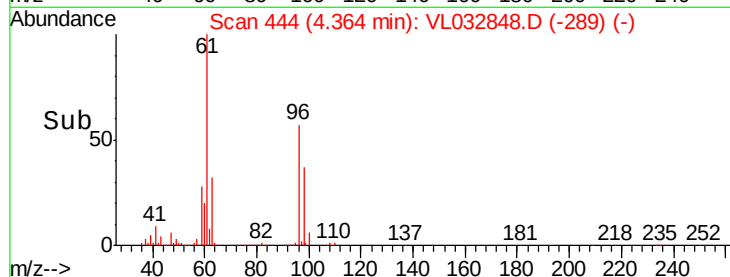
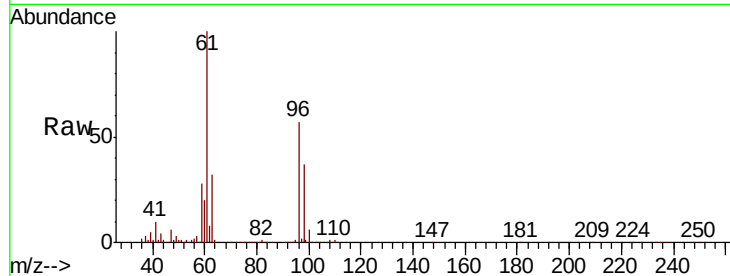
tert-Butyl alcohol
Concen: 10.600 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampled :
VL1130ABS01

Tot Ion: 59 Resp: 436454
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.8

Manual Integrations
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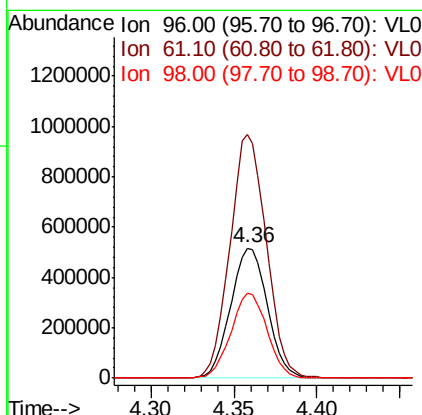
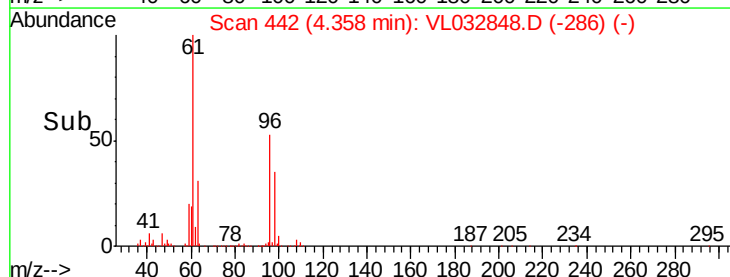
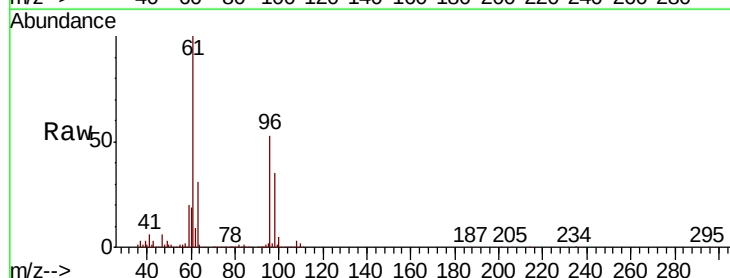
MMDadoda
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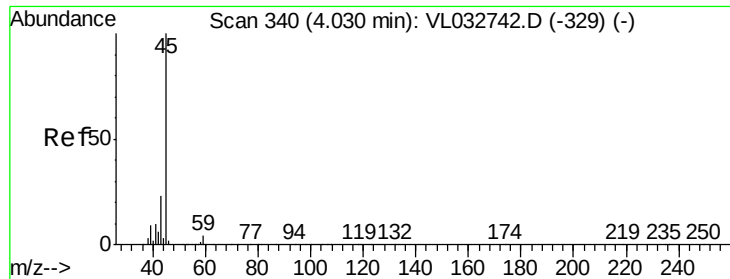


#18

1,1-Dichloroethene
Concen: 10.166 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion: 96 Resp: 795189
Ion Ratio Lower Upper
96 100
61 186.7 148.5 222.7
98 65.4 48.6 72.8





#19

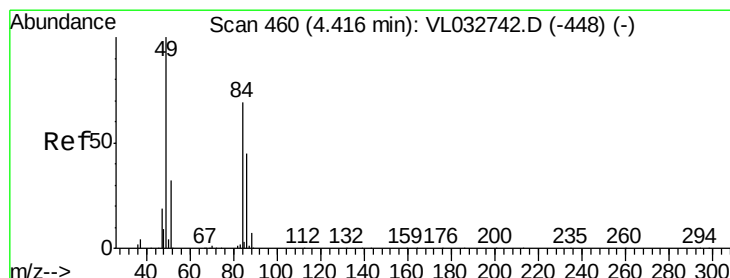
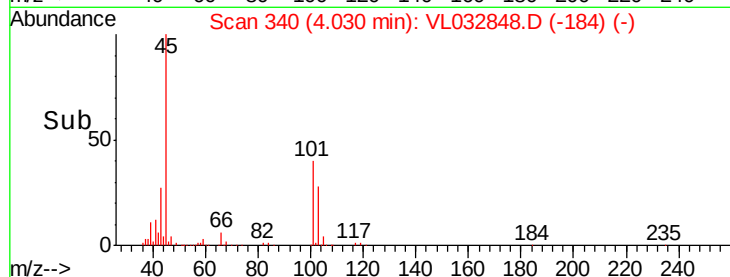
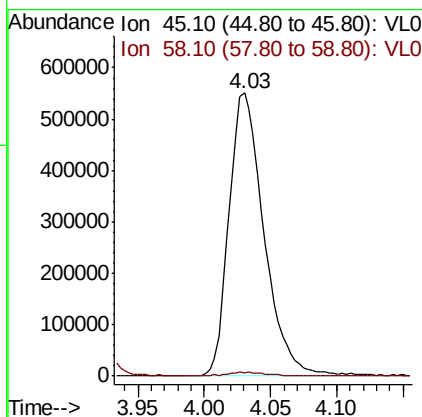
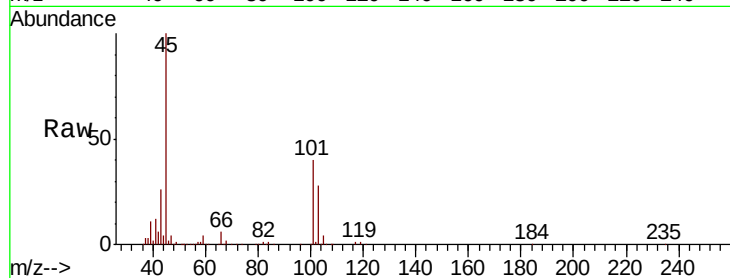
Isopropyl Alcohol
 Concen: 11.572 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion: 45 Resp: 1012142
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.0

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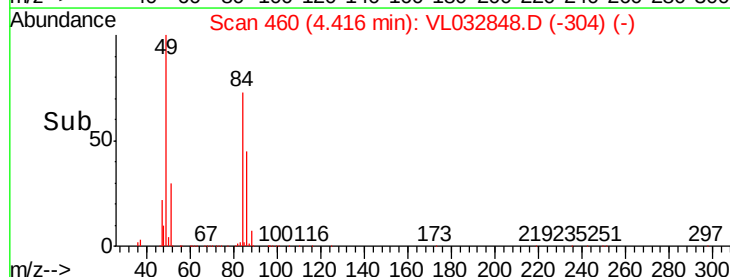
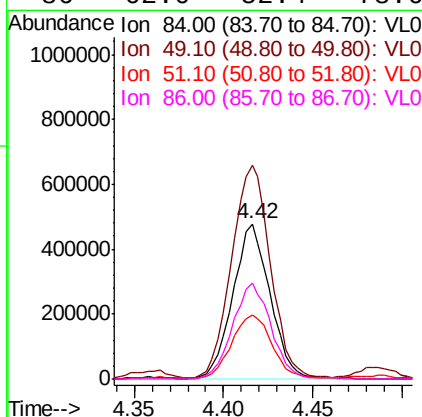
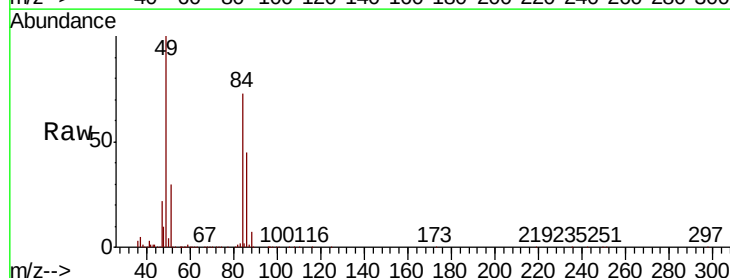
MMDadoda
 12/3/2018 4:14:59 PM

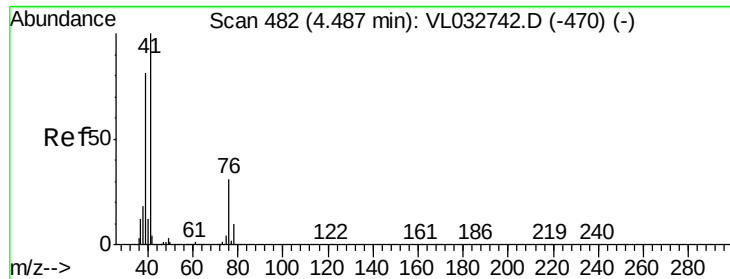


#20

Methylene Chloride
 Concen: 10.175 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion: 84 Resp: 691593
 Ion Ratio Lower Upper
 84 100
 49 136.9 115.8 173.6
 51 40.6 36.9 55.3
 86 62.0 52.4 78.6





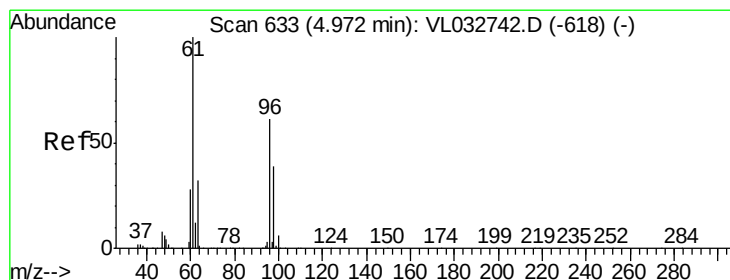
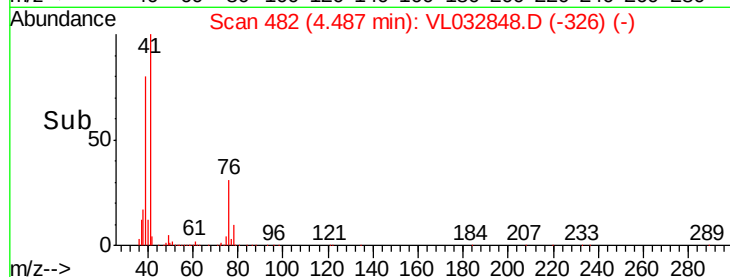
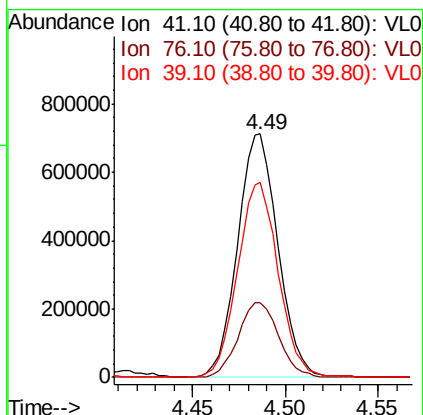
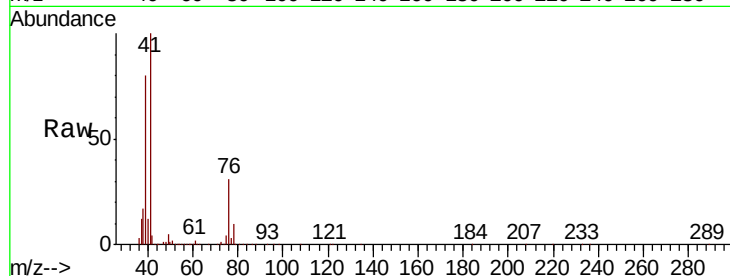
#21
Allvl Chloride
Concen: 9.708 ppbv
RT: 4.49 min Scan# 482
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.4	36.6
39	81.0	63.5	95.3

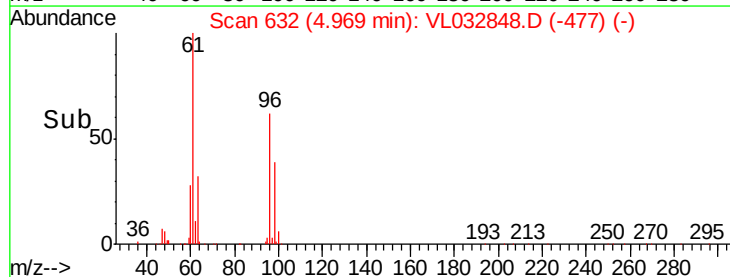
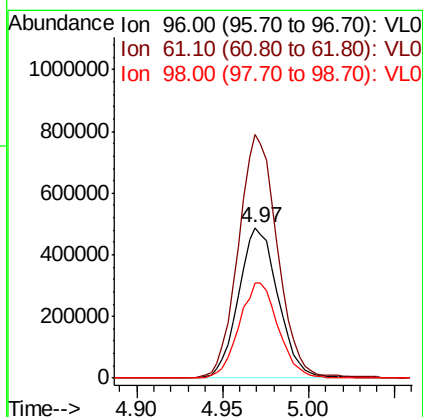
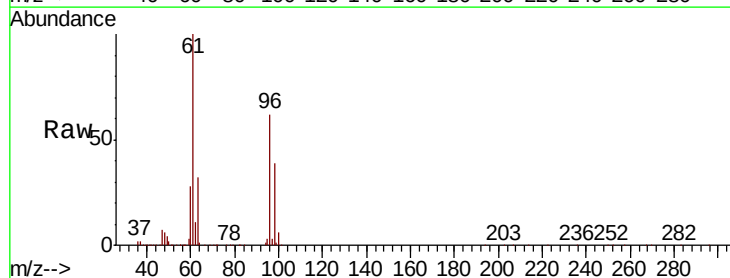
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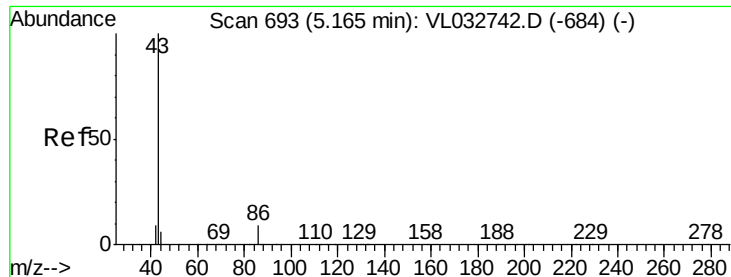
MMDadoda
12/3/2018 4:14:59 PM



#22
trans-1,2-Dichloroethene
Concen: 10.189 ppbv
RT: 4.97 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	130.2	195.2
98	62.9	50.2	75.2





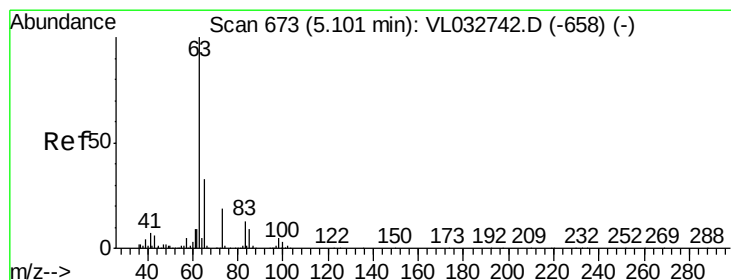
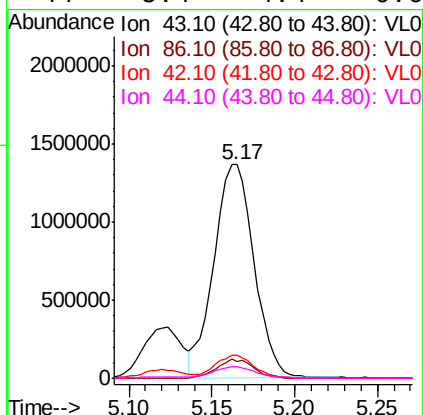
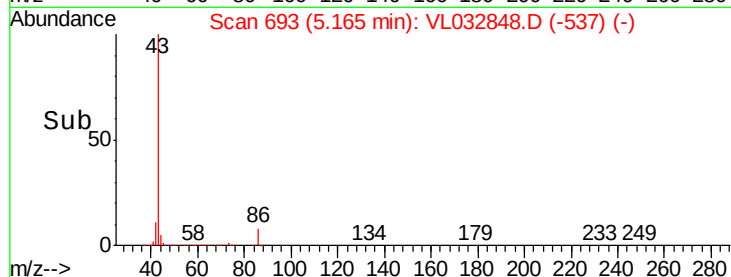
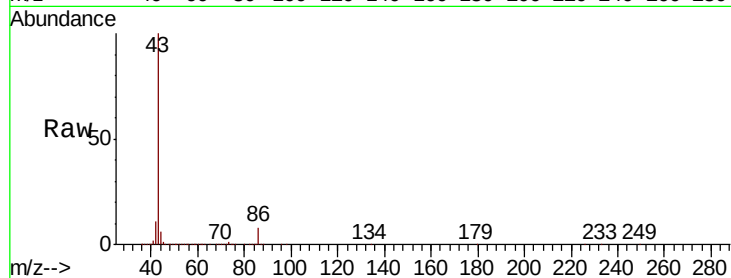
#23
 Vinyl Acetate
 Concen: 9.645 ppbv
 RT: 5.17 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	7.9	6.2	9.4
42	42	10.7	7.8	11.6
44	44	5.4	4.4	6.6

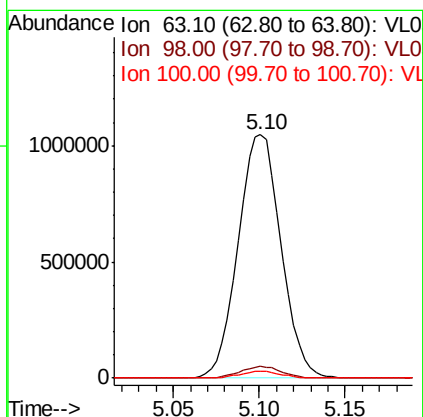
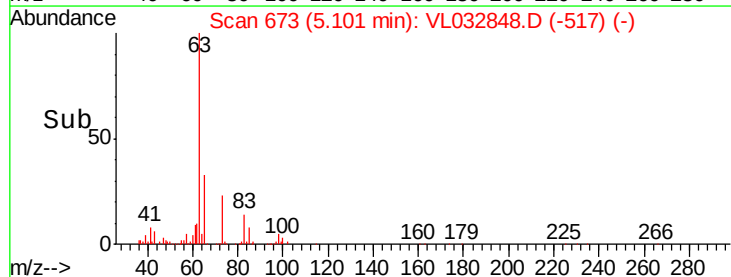
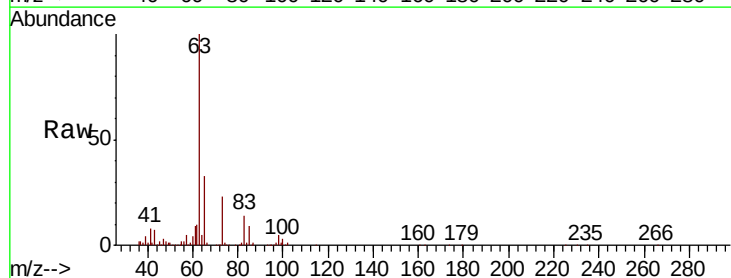
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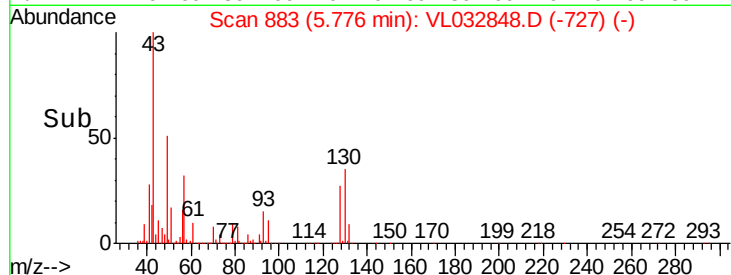
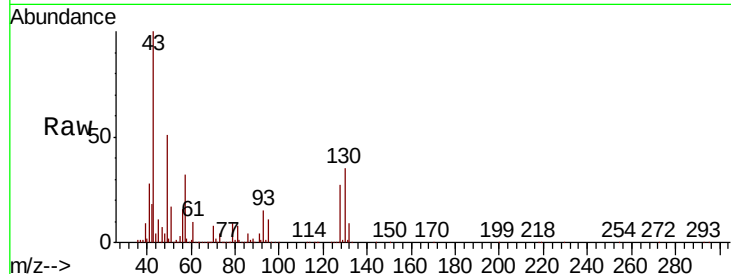
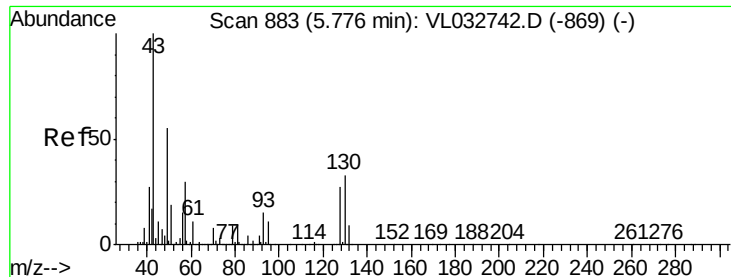
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#24
 1,1-Dichloroethane
 Concen: 9.497 ppbv
 RT: 5.10 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

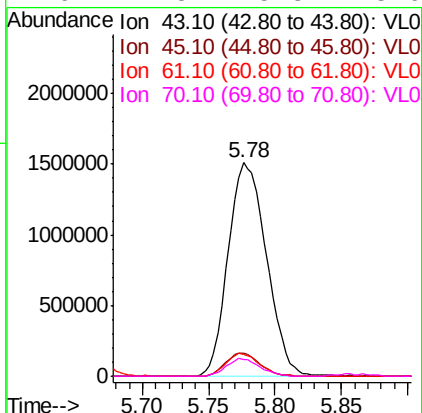
Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	5.0	2.3	6.8
100	100	3.0	1.4	4.2





#25
Ethyl Acetate
Concen: 9.902 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

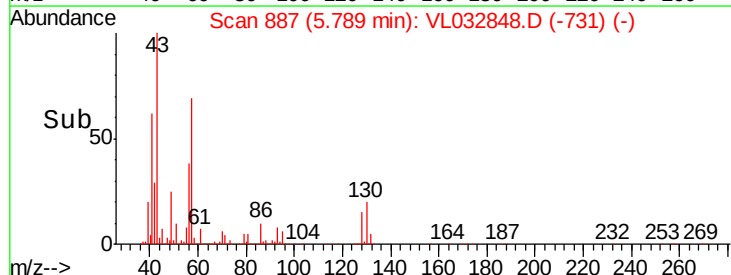
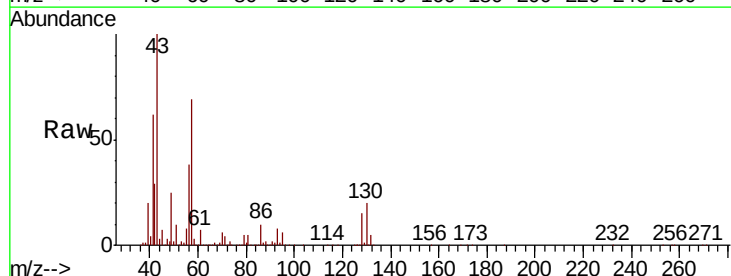
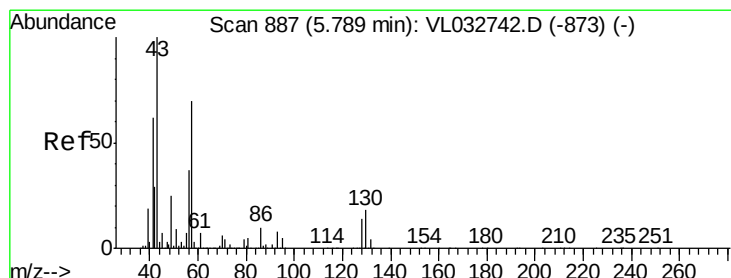
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.9	11.9	
61	9.5	7.8	11.6	
70	7.3	5.8	8.6	



Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

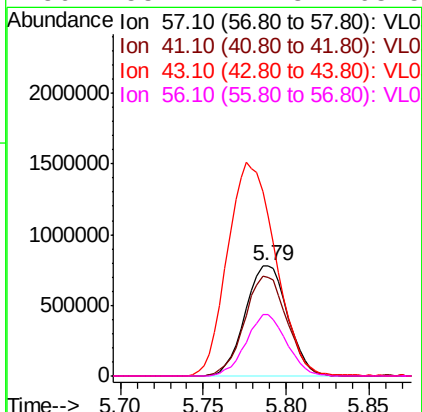
Manual Integrations
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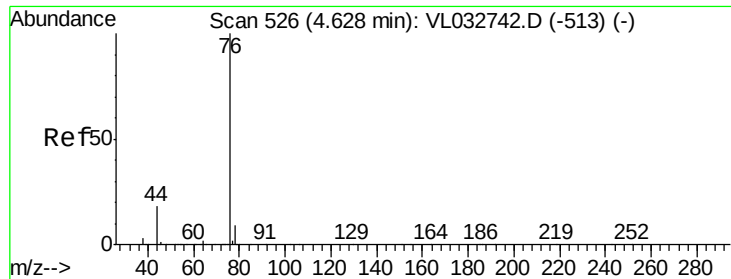
MMDadoda
12/3/2018 4:14:59 PM



#26
Hexane
Concen: 10.231 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.5	70.3	105.5	
43	218.2	174.0	261.0	
56	53.2	42.3	63.5	





#27

Carbon Disulfide

Concen: 11.304 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 76 Resp: 1952450

Ion Ratio Lower Upper

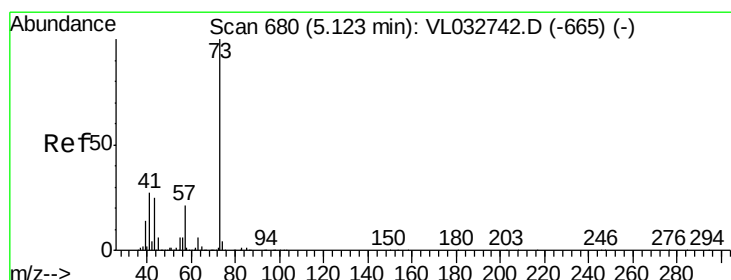
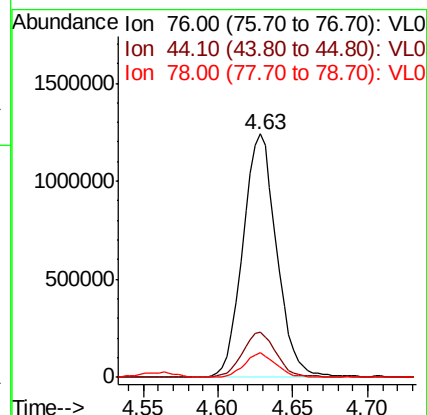
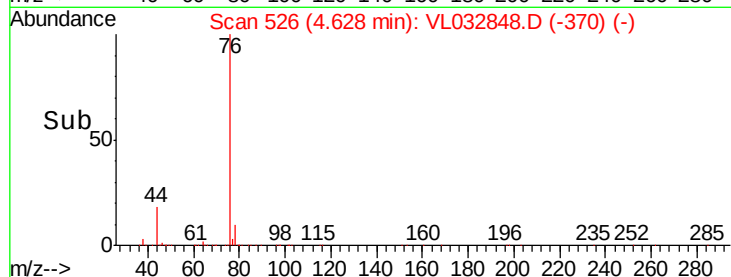
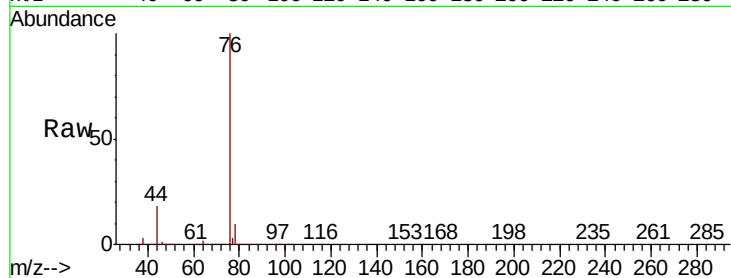
76 100

44 18.5 14.4 21.6

78 9.3 7.7 11.5

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.272 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032848.D

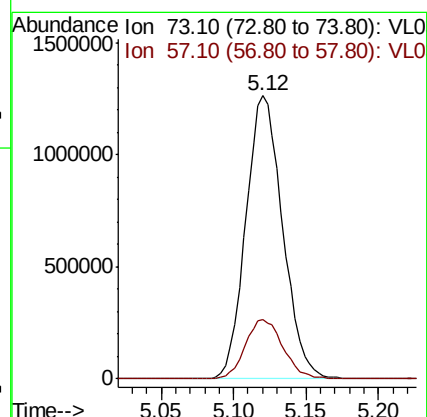
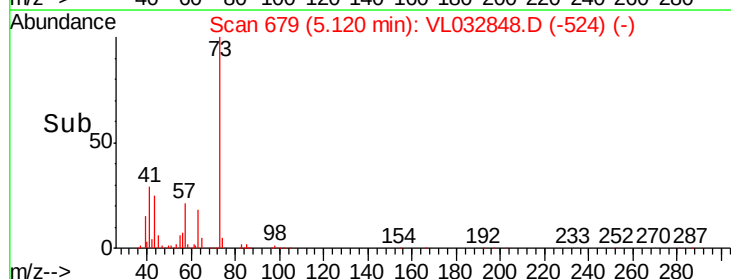
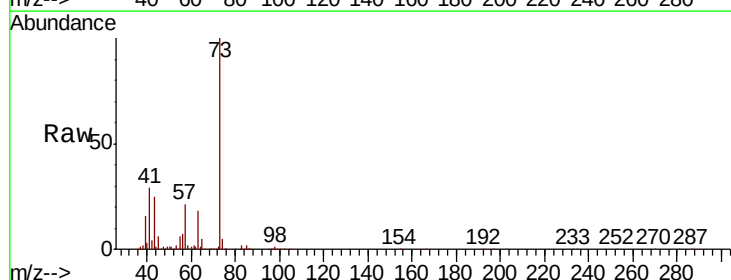
Acq: 30 Nov 2018 13:42

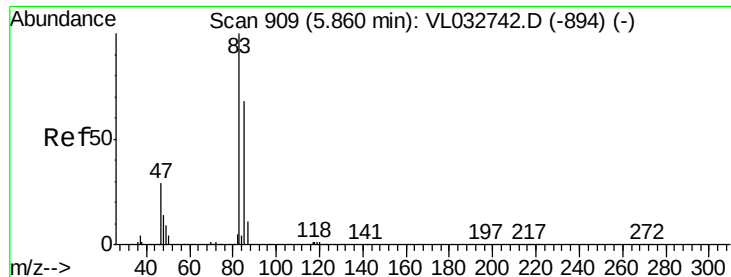
Tgt Ion: 73 Resp: 2231205

Ion Ratio Lower Upper

73 100

57 21.6 17.5 26.3





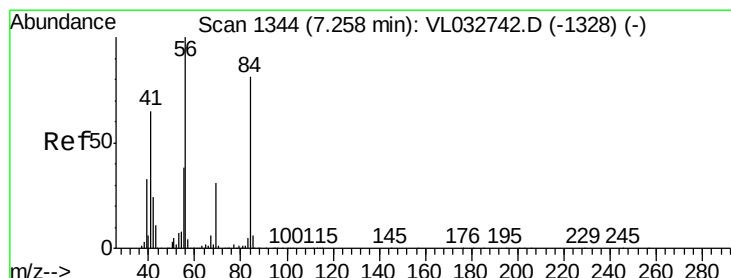
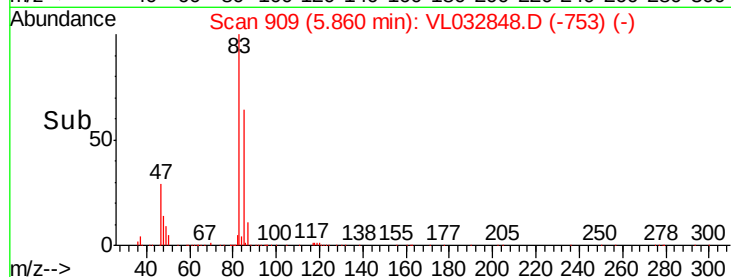
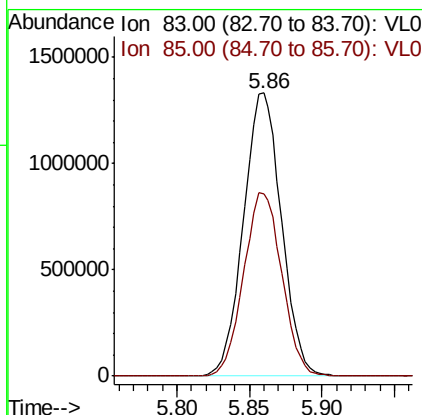
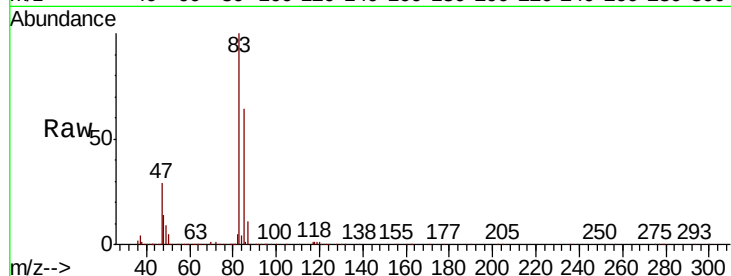
#29
Chloroform
Concen: 9.989 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion: 83 Resp: 2425089
Ion Ratio Lower Upper
83 100
85 64.2 54.2 81.4

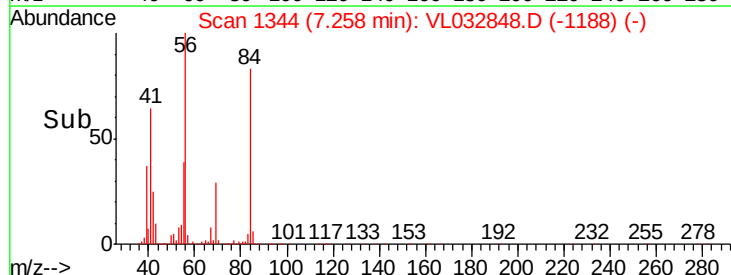
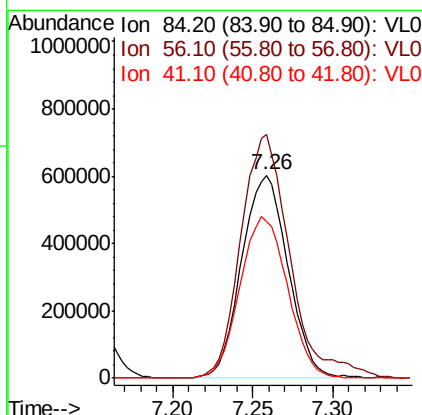
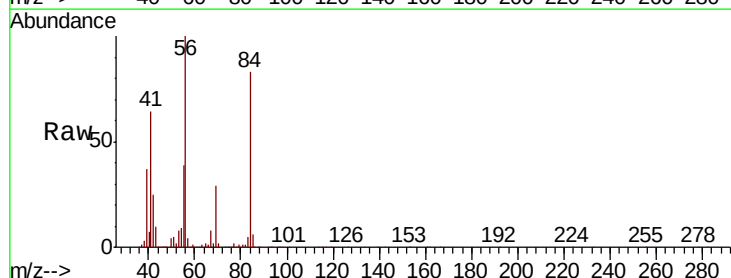
Manual Integrations
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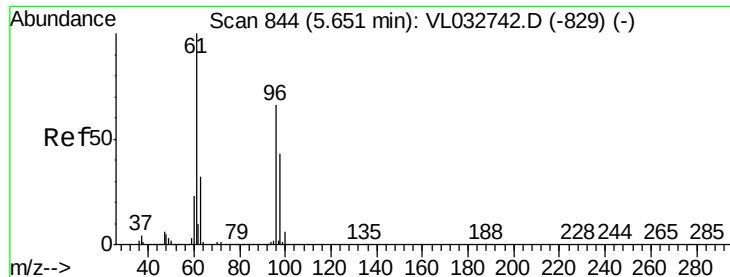
MMDadoda
12/3/2018 4:14:59 PM



#30
Cyclohexane
Concen: 10.018 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion: 84 Resp: 1193506
Ion Ratio Lower Upper
84 100
56 127.7 105.0 157.4
41 82.1 65.3 97.9





#31

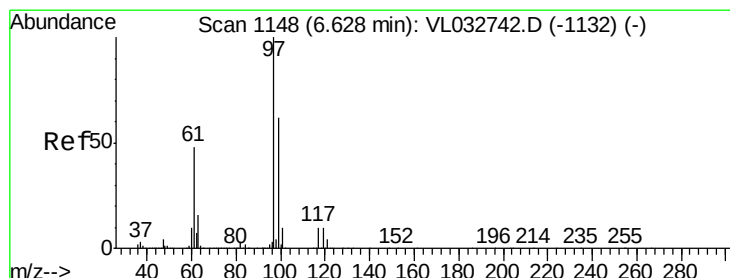
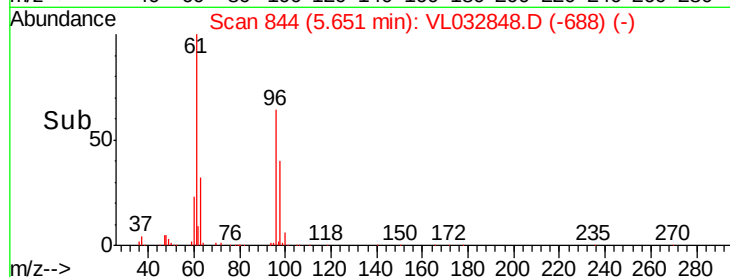
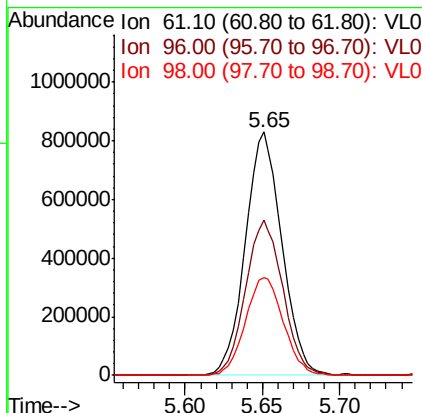
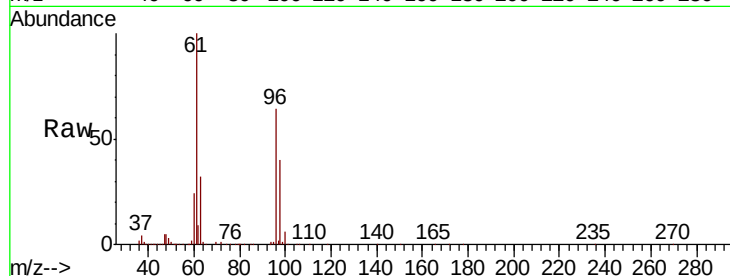
cis-1,2-Dichloroethene
Concen: 9.969 ppbv
RT: 5.65 min Scan# 844
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.7	53.2	79.8
98	40.3	34.4	51.6

Manual Integrations
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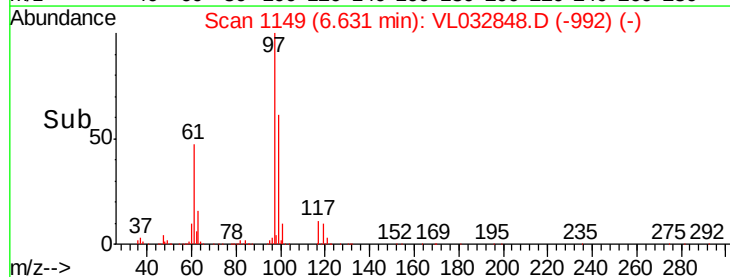
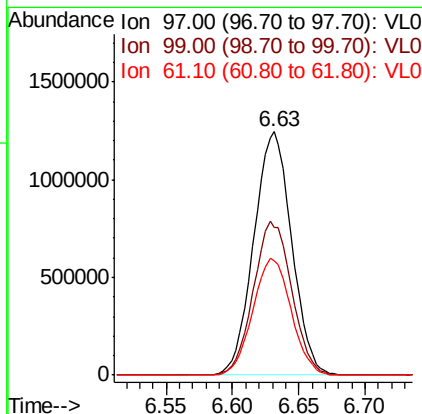
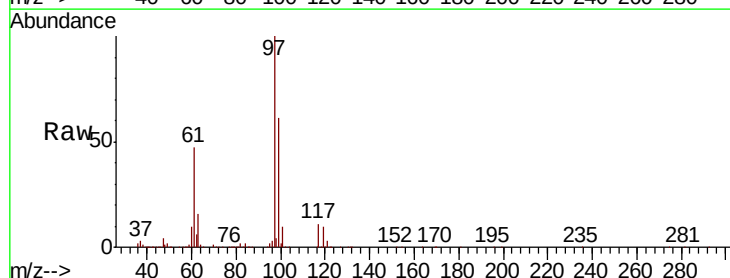
MMDadoda
12/3/2018 4:14:59 PM

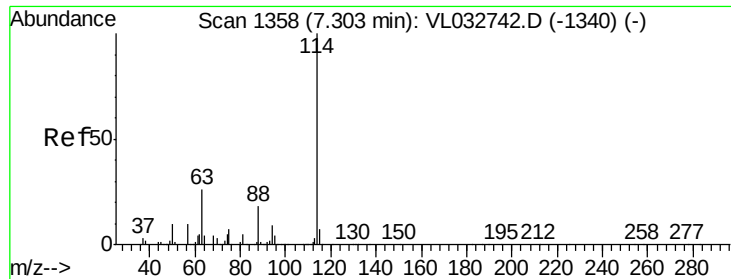


#32

1,1,1-Trichloroethane
Concen: 9.344 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	48.6	39.7	59.5





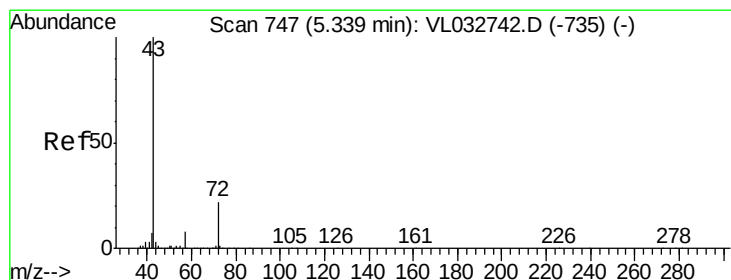
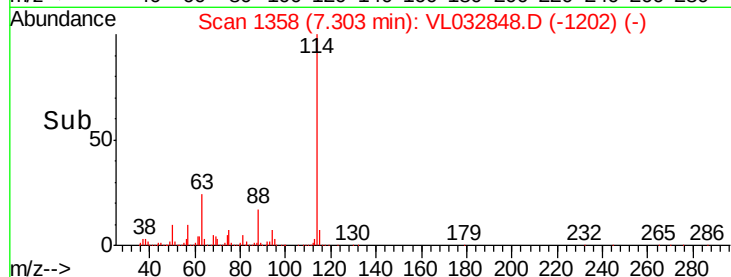
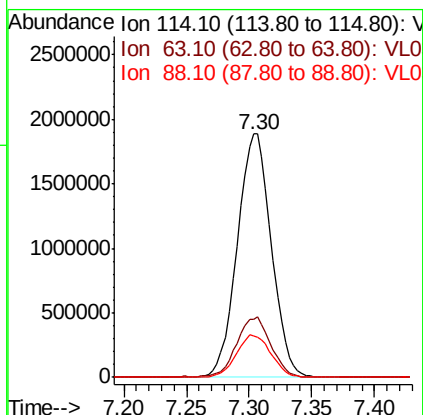
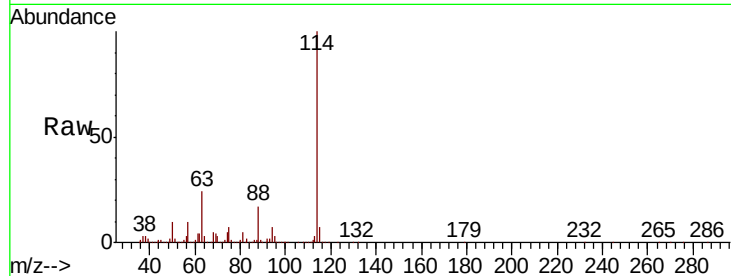
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.9	31.3
88	17.6	14.4	21.6

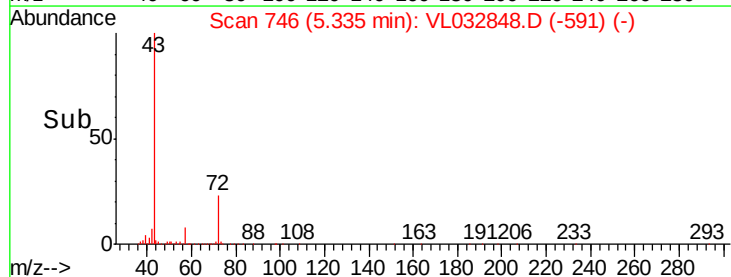
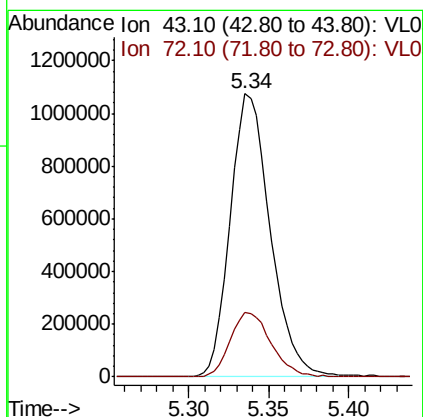
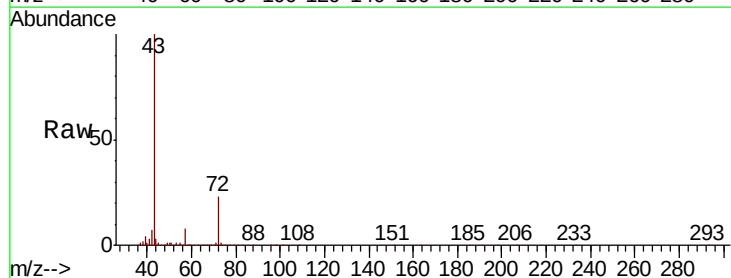
Manual Integrations
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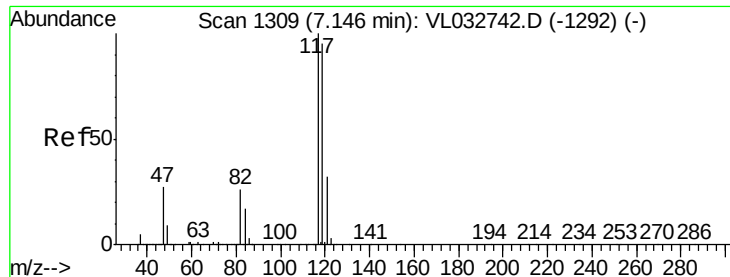
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 12/3/2018 4:14:59 PM



#34
 2-Butanone
 Concen: 9.896 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.479 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:117 Resp: 2708570

Ion Ratio Lower Upper

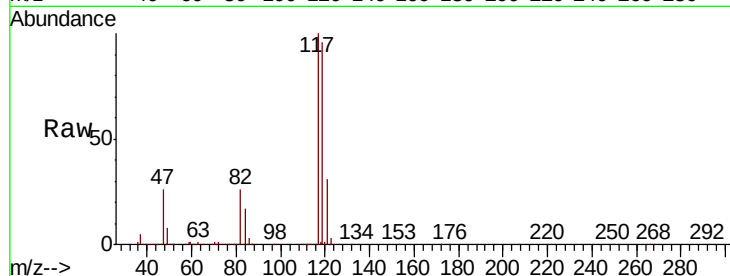
117 100

119 96.4 76.1 114.1

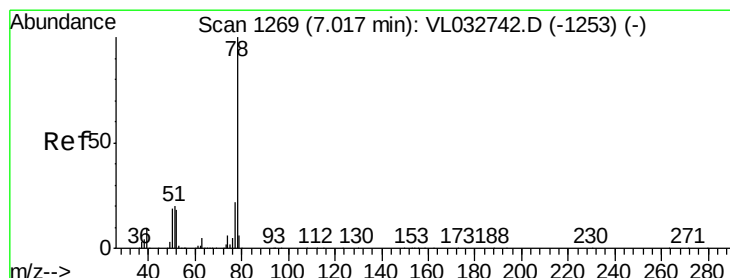
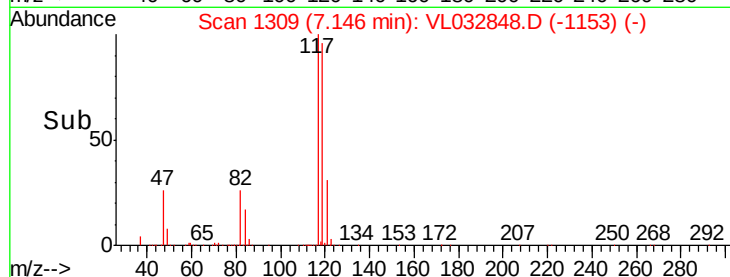
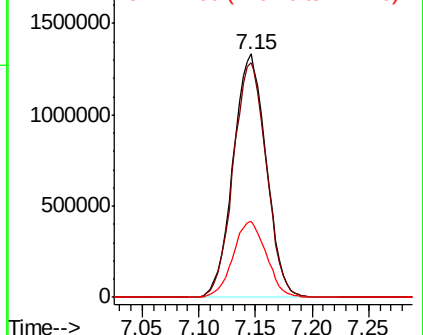
121 31.4 25.4 38.0

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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: 9.904 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

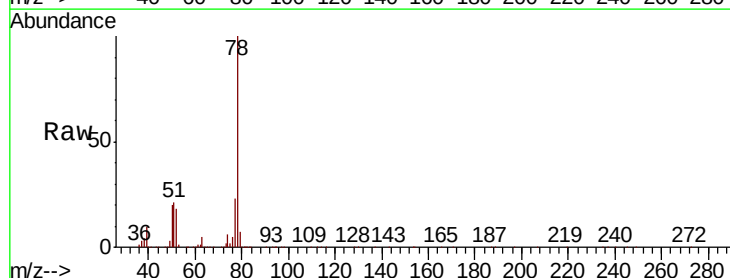
Tgt Ion: 78 Resp: 2803120

Ion Ratio Lower Upper

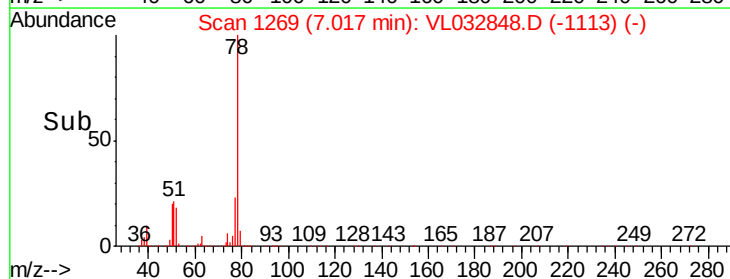
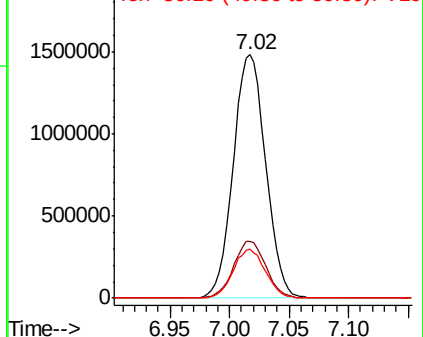
78 100

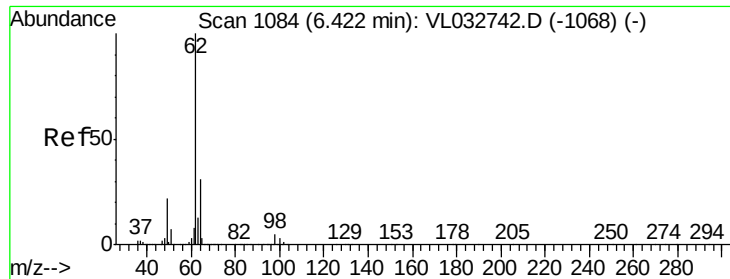
77 23.4 17.8 26.8

50 20.2 15.4 23.0



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





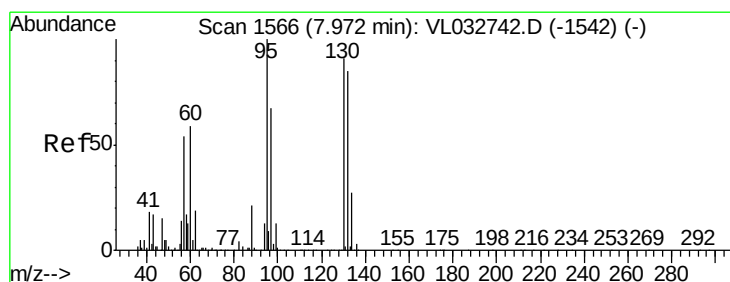
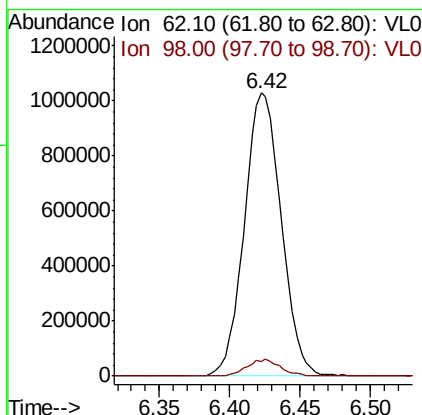
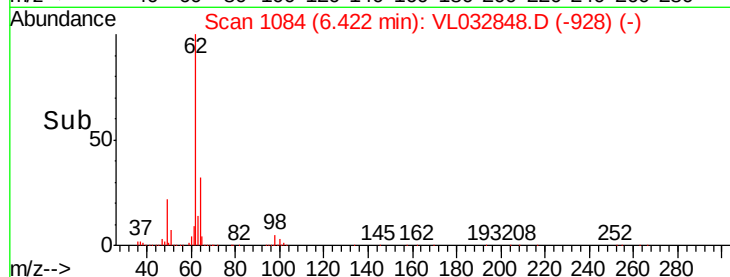
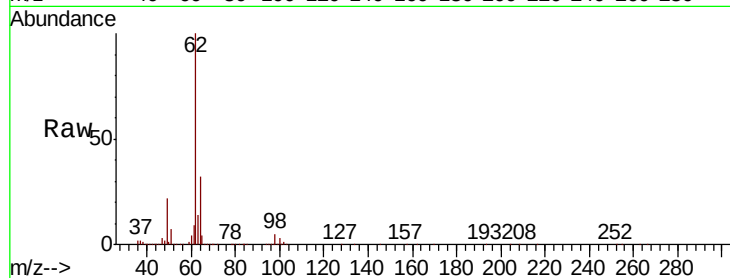
#37
 1,2-Dichloroethane
 Concen: 9.901 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

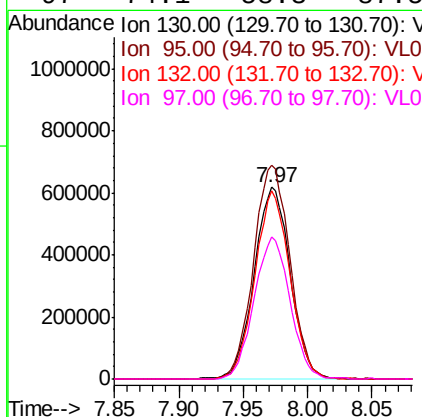
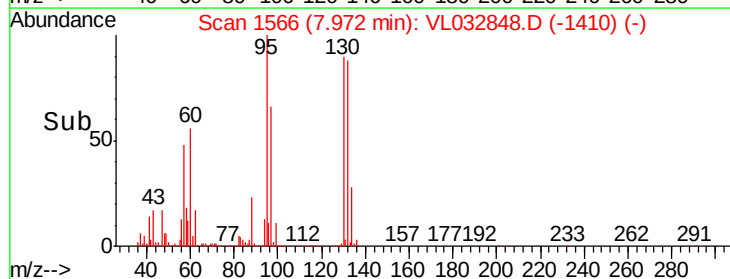
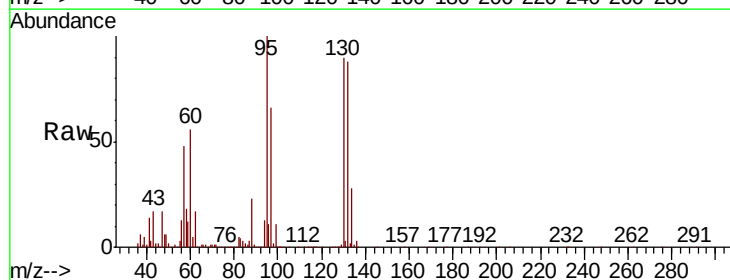
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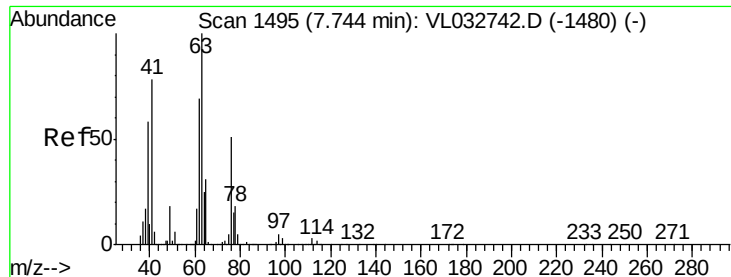
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 12/3/2018 4:14:59 PM



#38
 Trichloroethene
 Concen: 10.468 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.6	87.7	131.5
132	98.1	74.6	111.8
97	74.1	58.3	87.5





#39

1,2-Dichloropropane

Concen: 9.532 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 63 Resp: 1027895

Ion Ratio Lower Upper

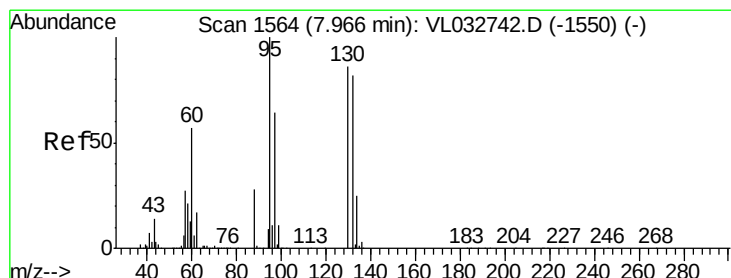
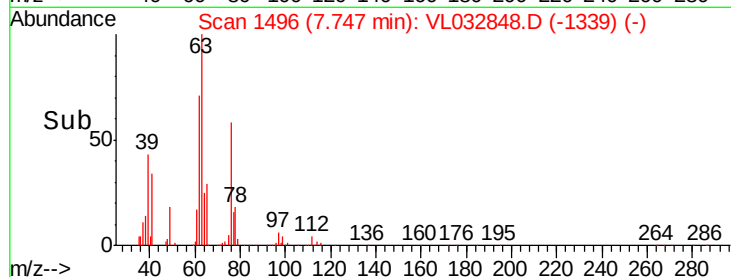
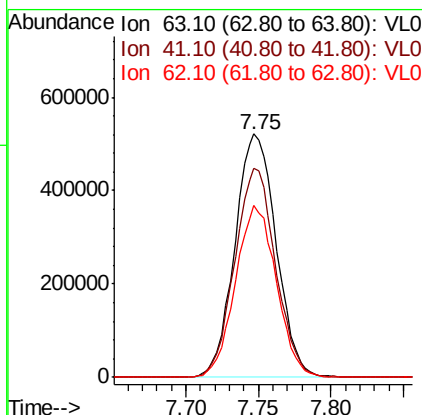
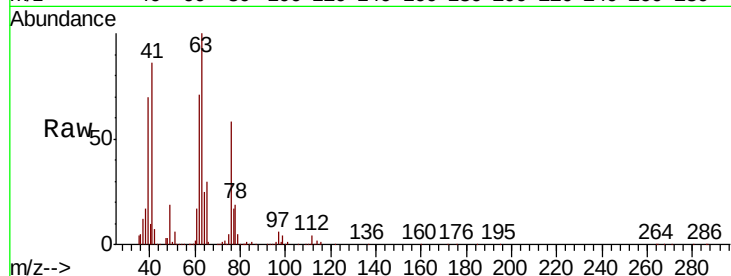
63 100

41 85.5 62.0 93.0

62 70.5 55.4 83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.495 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tgt Ion: 88 Resp: 404227

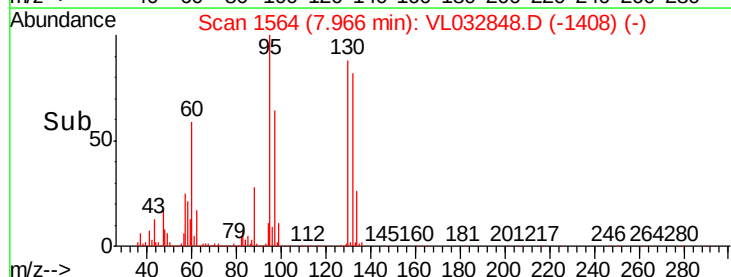
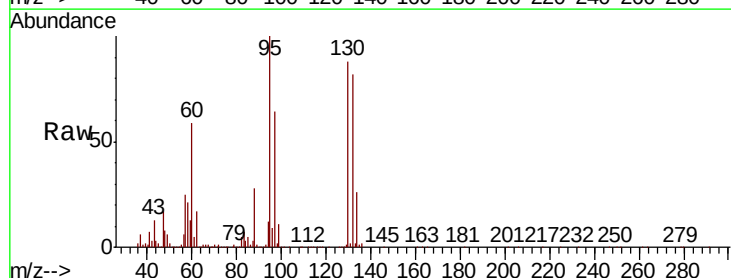
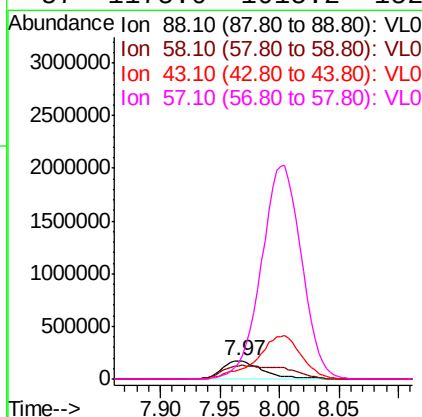
Ion Ratio Lower Upper

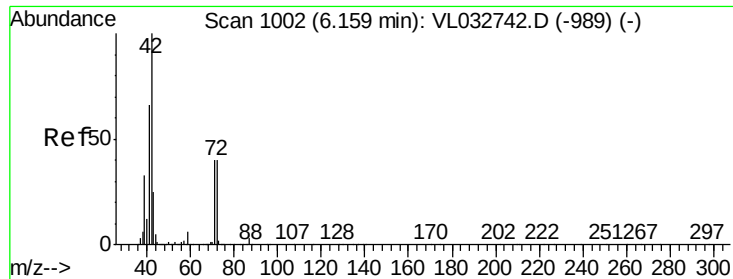
88 100

58 123.4 105.3 157.9

43 262.0 226.1 339.1

57 1175.0 1015.2 1522.8





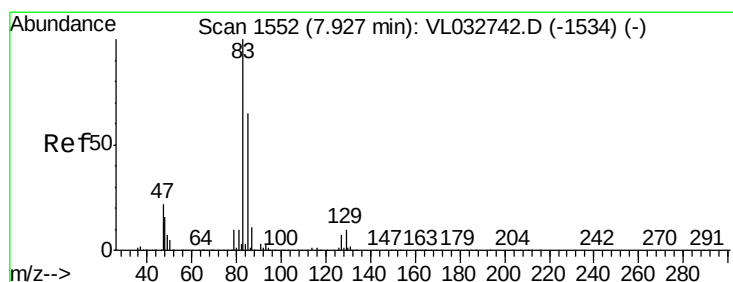
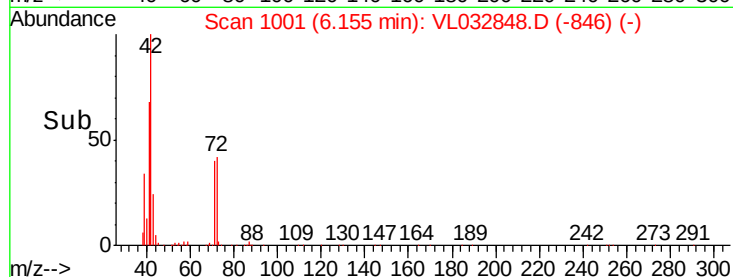
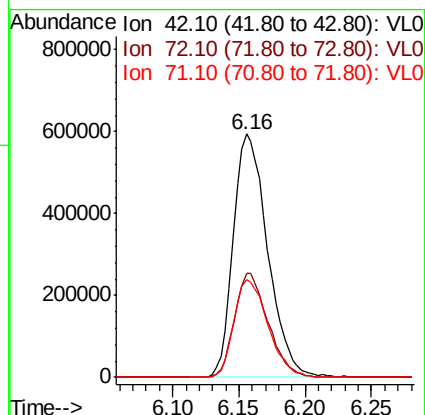
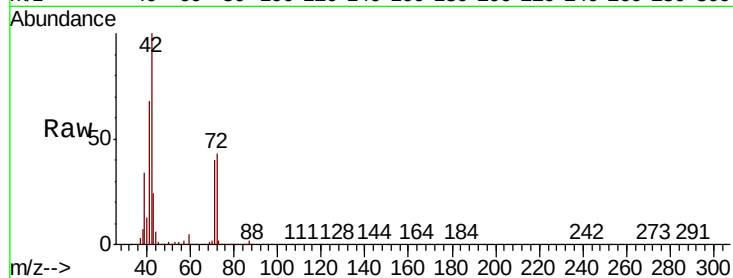
#41
Tetrahydrofuran
Concen: 10.162 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.4	48.6
71	40.1	31.6	47.4

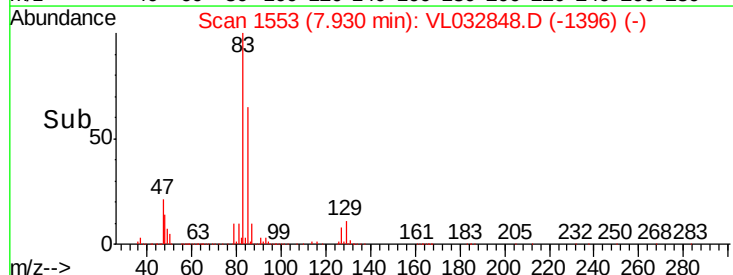
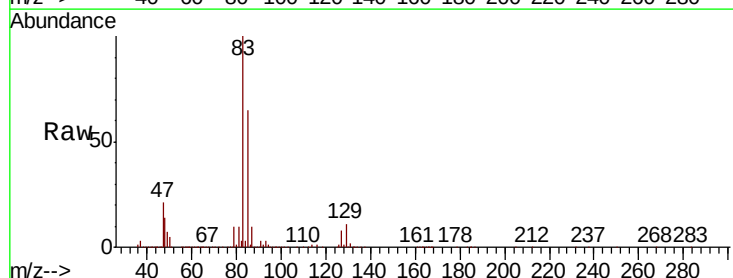
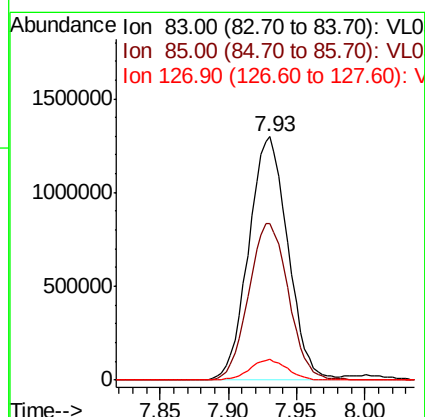
Manual Integrations
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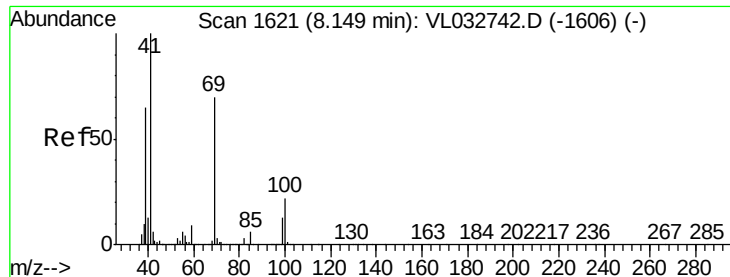
MMDadoda
12/3/2018 4:14:59 PM



#42
Bromodichloromethane
Concen: 10.025 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	8.4	5.9	8.9





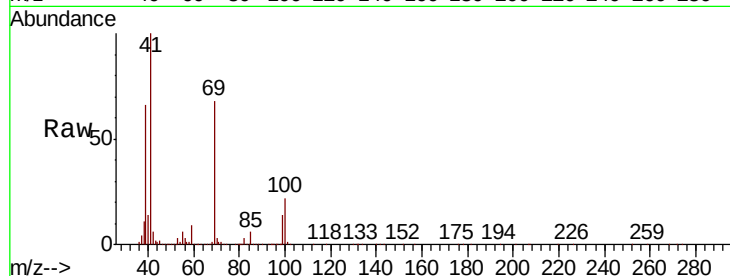
#43
Methyl Methacrylate
Concen: 10.617 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

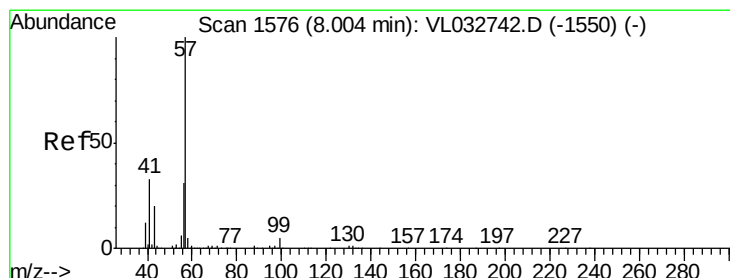
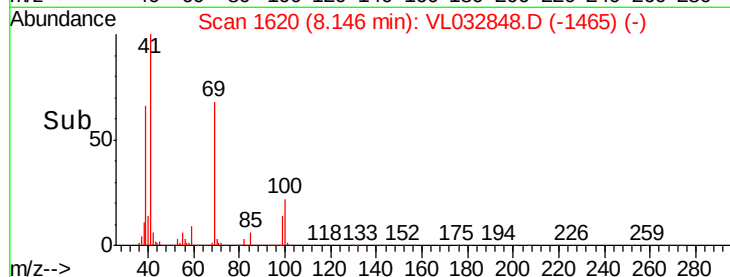
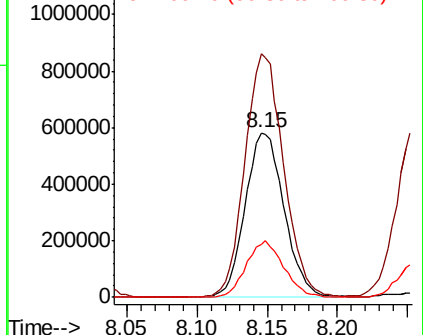
Tot Ion: 69 Resp: 1121924
Ion Ratio Lower Upper
69 100
41 147.1 115.0 172.4
100 33.0 25.4 38.0

Manual Integrations
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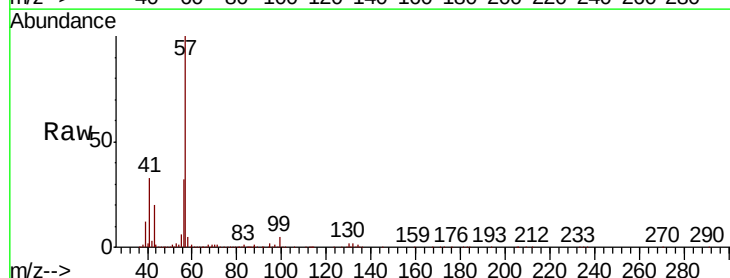


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

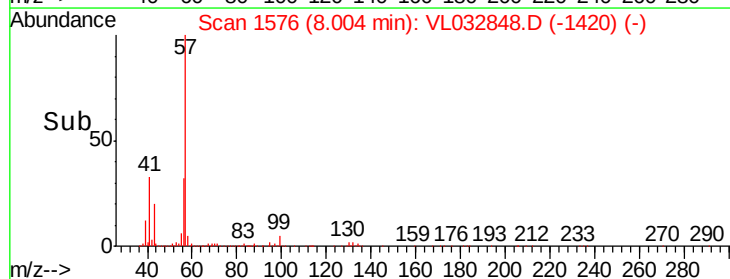
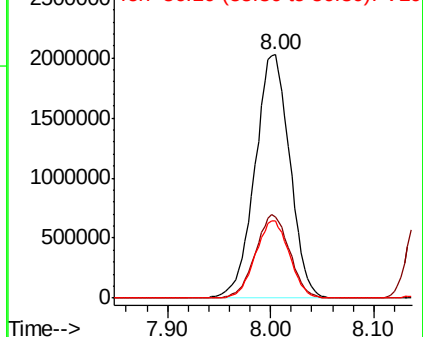


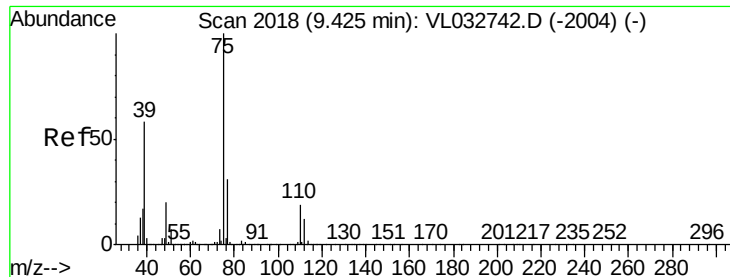
#44
2,2,4-Trimethylpentane
Concen: 10.032 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion: 57 Resp: 4745025
Ion Ratio Lower Upper
57 100
41 33.6 26.6 39.8
56 31.0 24.8 37.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.081 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 75 Resp: 1712997

Ion Ratio Lower Upper

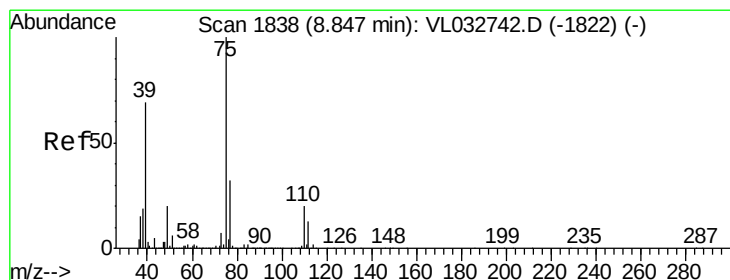
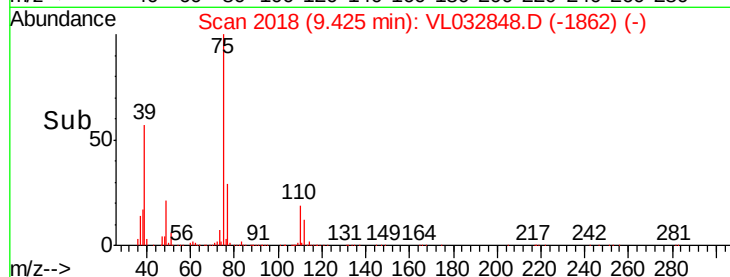
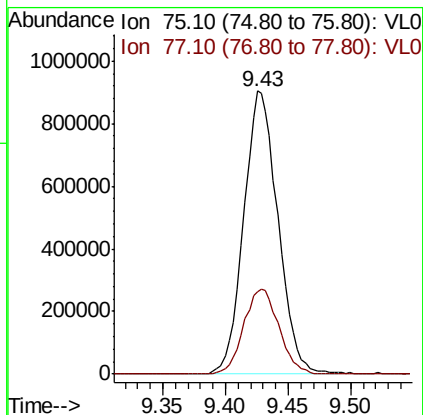
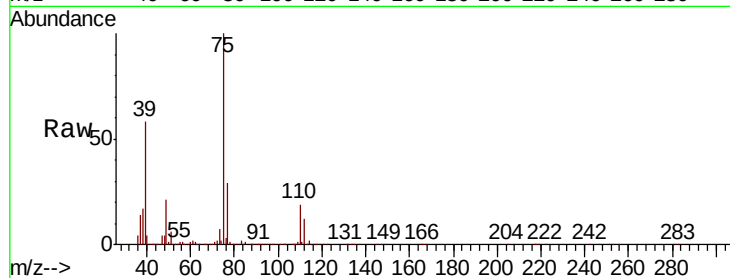
75 100

77 29.3 24.6 36.8

Manual Integrations
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#46

cis-1,3-Dichloropropene

Concen: 10.705 ppbv

RT: 8.85 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

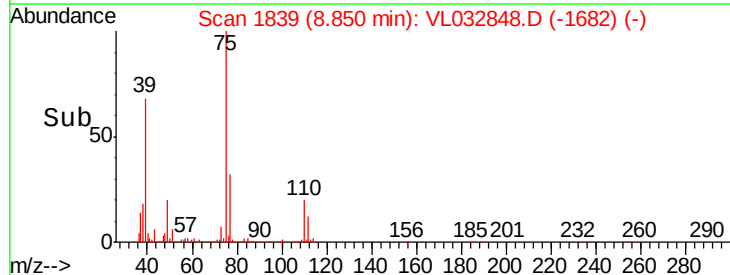
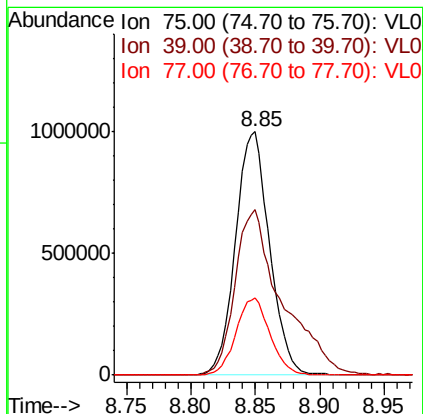
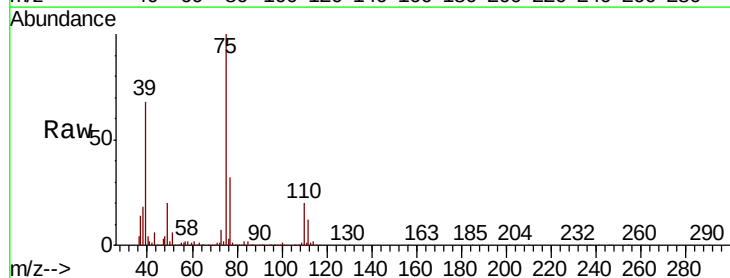
Tgt Ion: 75 Resp: 1833817

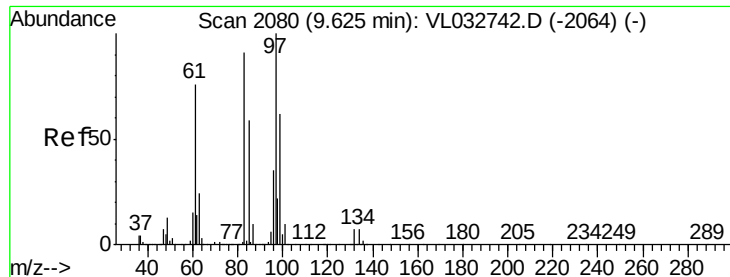
Ion Ratio Lower Upper

75 100

39 67.7 55.2 82.8

77 31.6 25.8 38.6





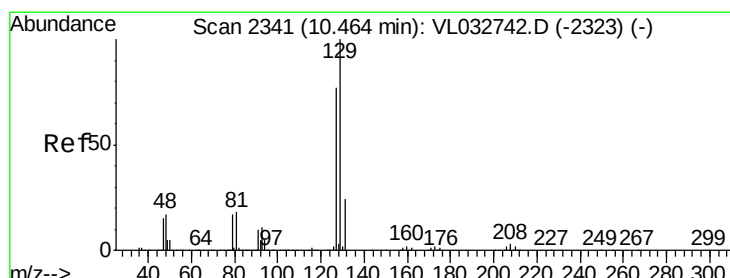
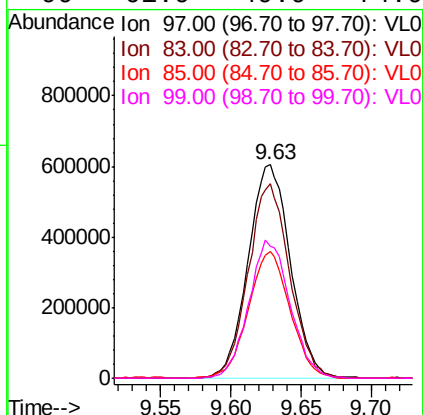
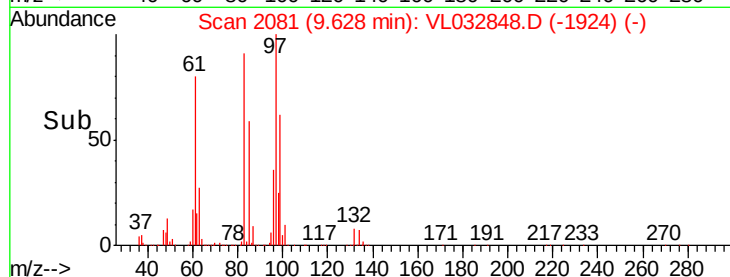
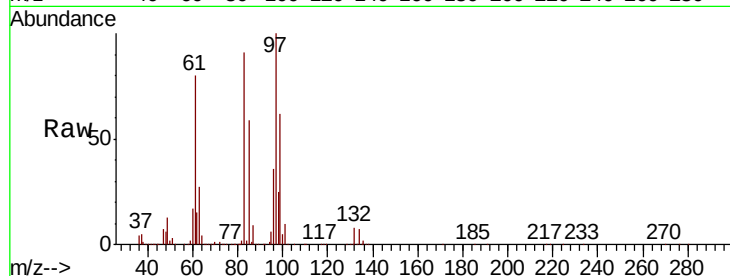
#47
 1,1,2-Trichloroethane
 Concen: 9.941 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.0	109.4
85	59.1	47.0	70.4
99	61.9	49.9	74.9

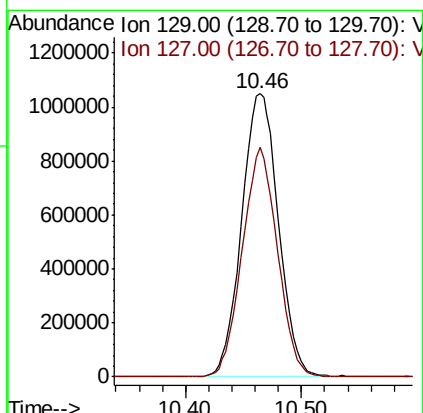
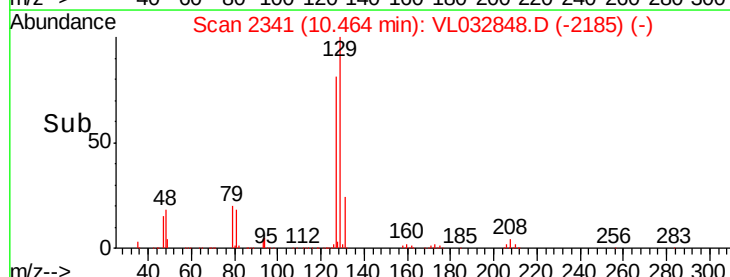
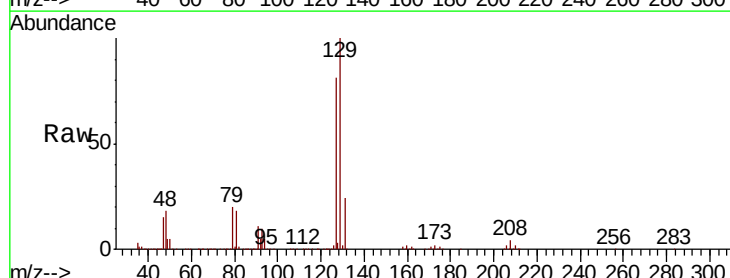
Manual Integrations
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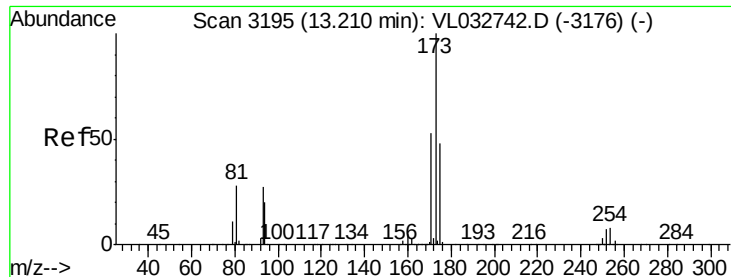
MMDadoda
 12/3/2018 4:14:59 PM



#48
 Dibromochloromethane
 Concen: 10.677 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.0	117.0





#49

Bromoform

Concen: 11.167 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:173 Resp: 1998789

Ion Ratio Lower Upper

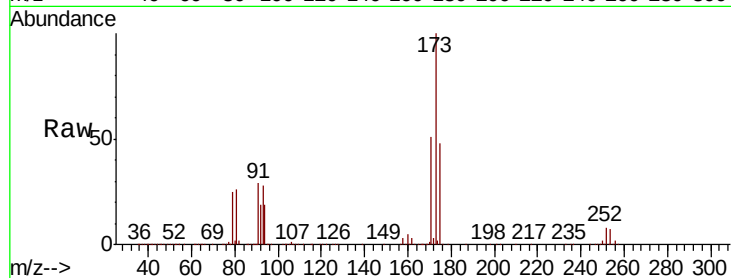
173 100

175 48.2 39.4 59.0

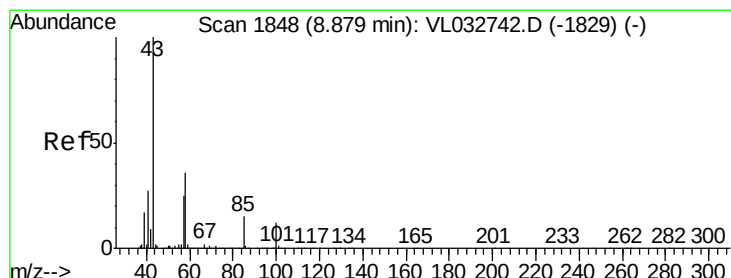
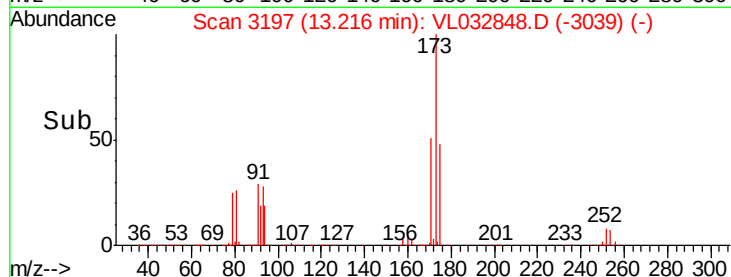
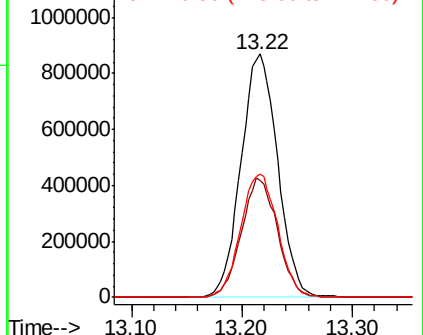
171 51.5 42.0 63.0

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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: 9.438 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL032848.D

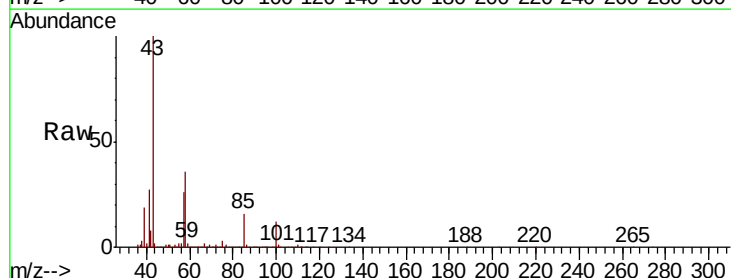
Acq: 30 Nov 2018 13:42

Tgt Ion: 43 Resp: 2717501

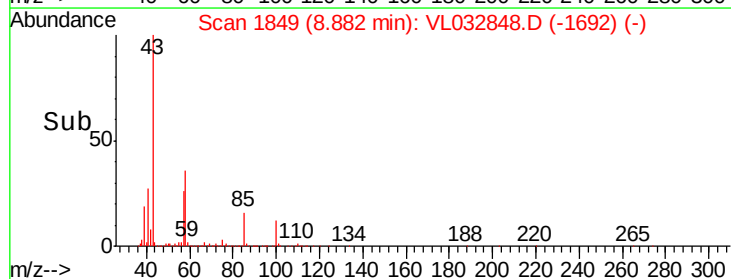
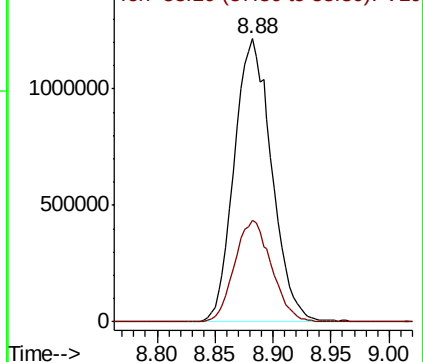
Ion Ratio Lower Upper

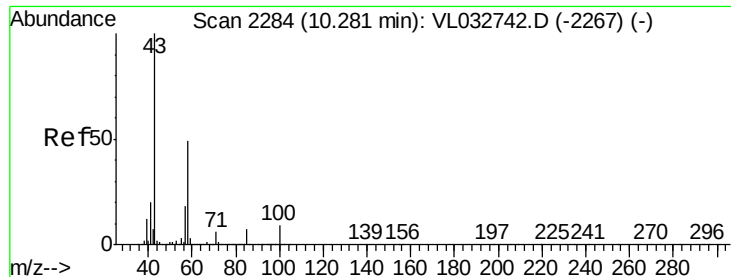
43 100

58 35.7 28.8 43.2



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





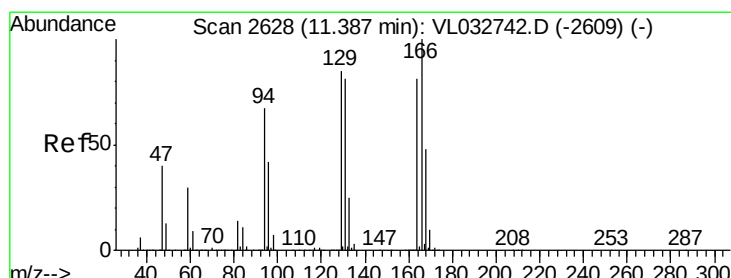
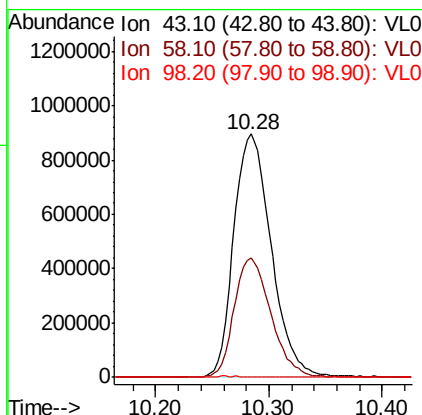
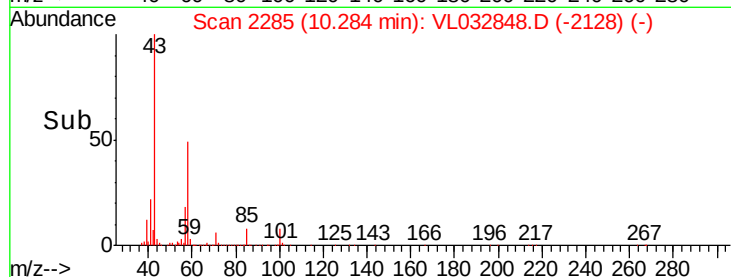
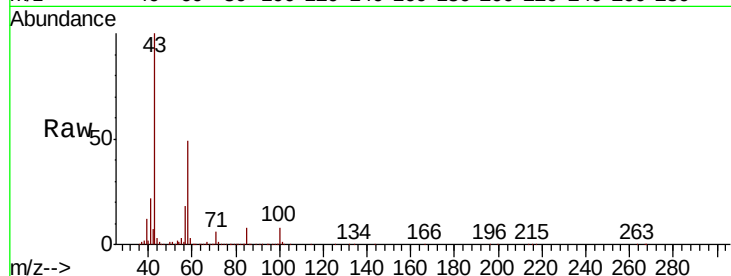
#51
2-Hexanone
Concen: 11.136 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.9	58.3
98	0.6	0.2	0.4

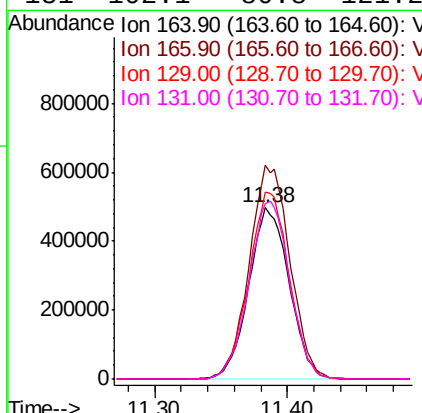
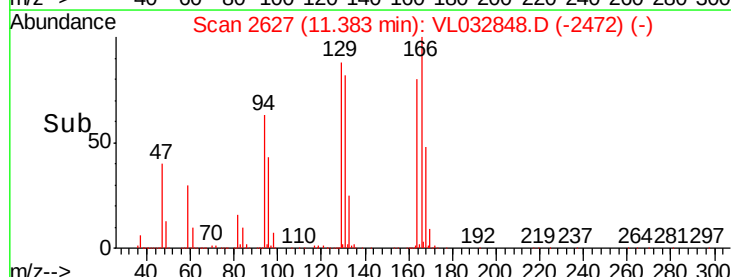
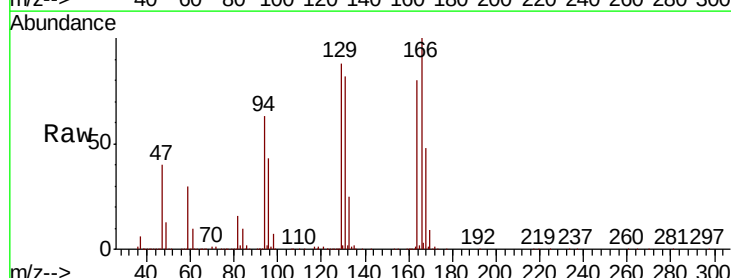
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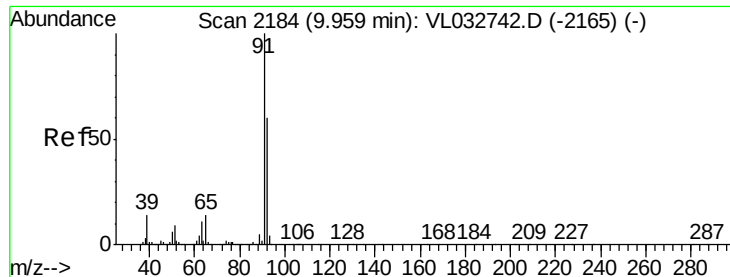
MMDadoda
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#52
Tetrachloroethene
Concen: 10.687 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	99.3	148.9
129	109.1	83.9	125.9
131	102.1	80.8	121.2





#53

Toluene

Concen: 11.320 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 91 Resp: 3342451

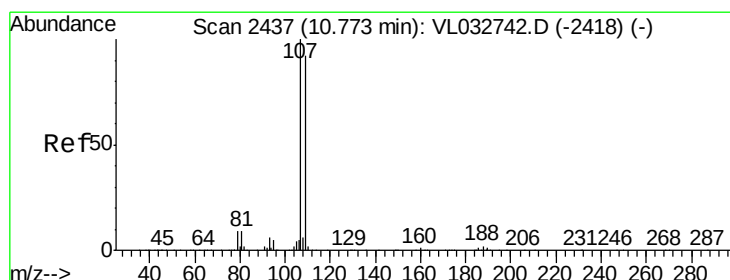
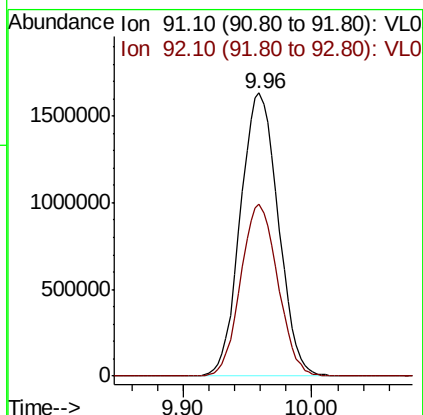
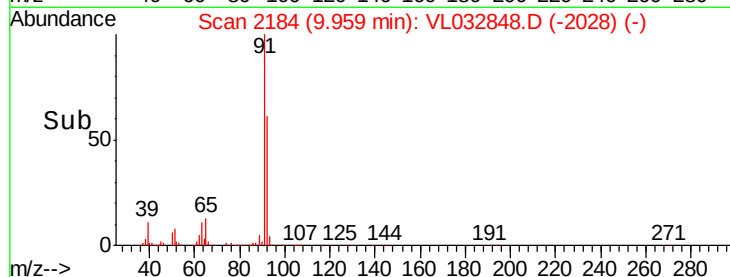
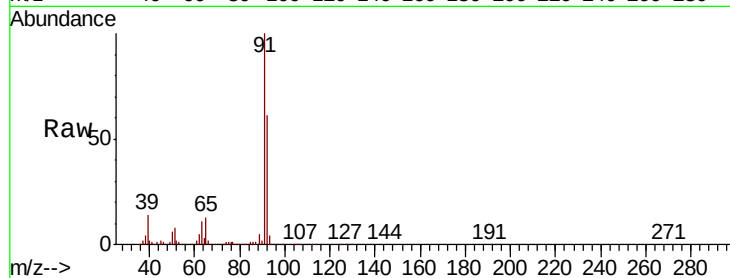
Ion Ratio Lower Upper

91 100

92 59.5 47.9 71.9

Manual Integrations
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12/3/2018 4:14:59 PM



#54

1,2-Dibromoethane

Concen: 10.571 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032848.D

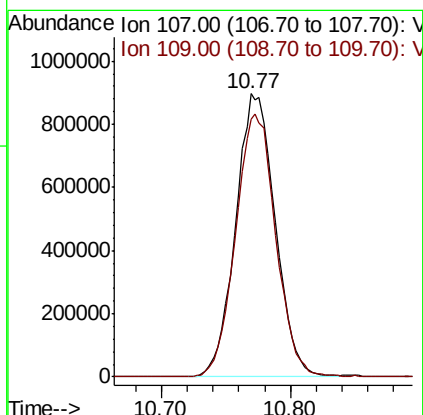
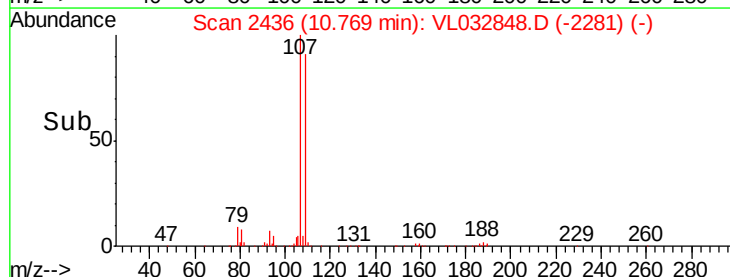
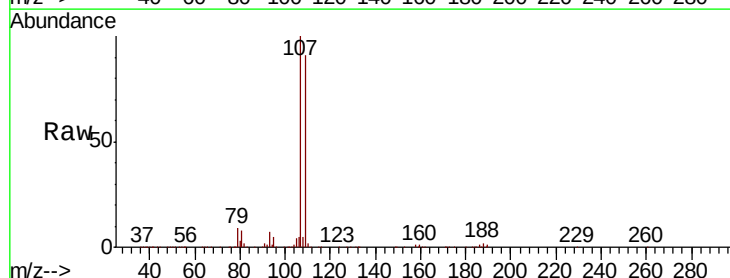
Acq: 30 Nov 2018 13:42

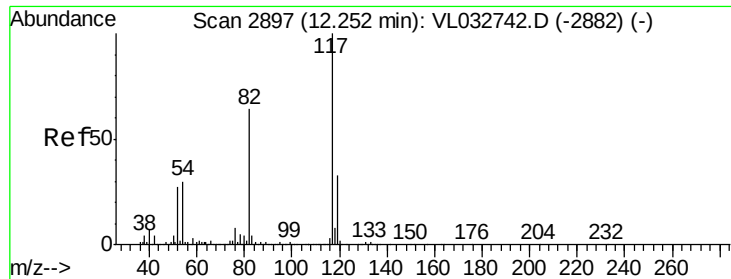
Tgt Ion: 107 Resp: 1905483

Ion Ratio Lower Upper

107 100

109 91.2 73.8 110.8





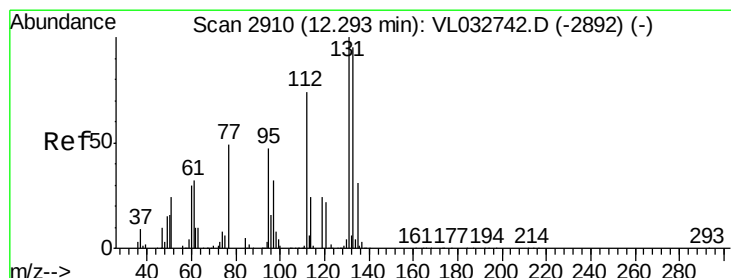
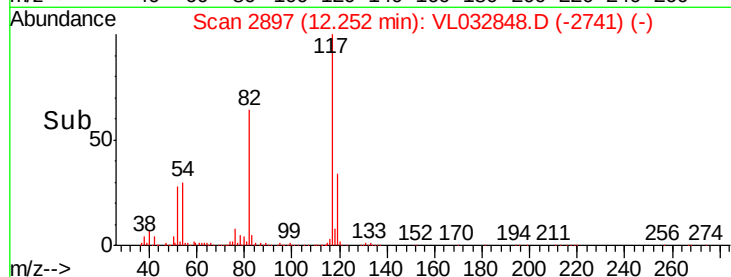
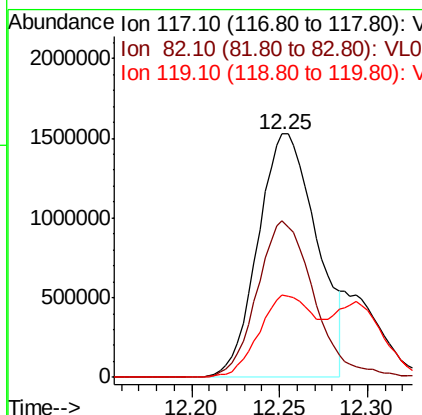
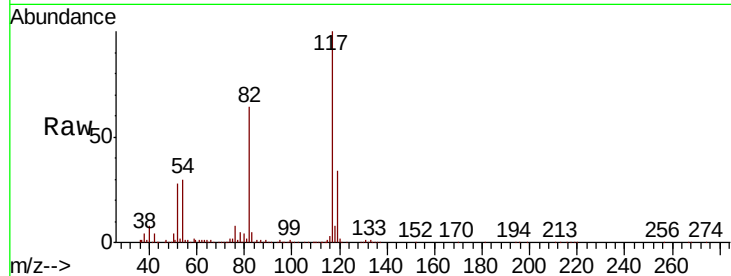
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	51.0	76.6
119	31.6	28.0	42.0

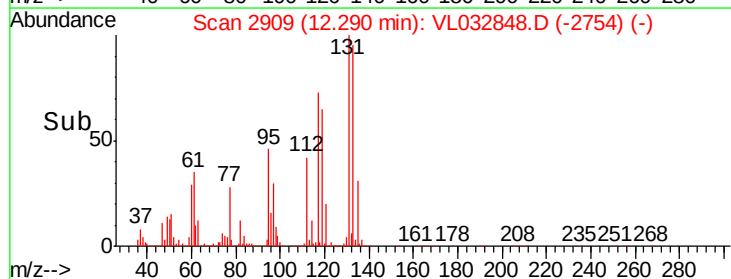
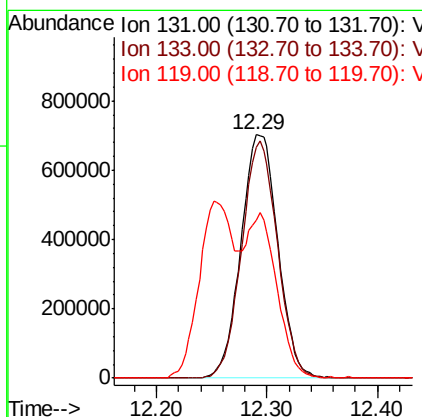
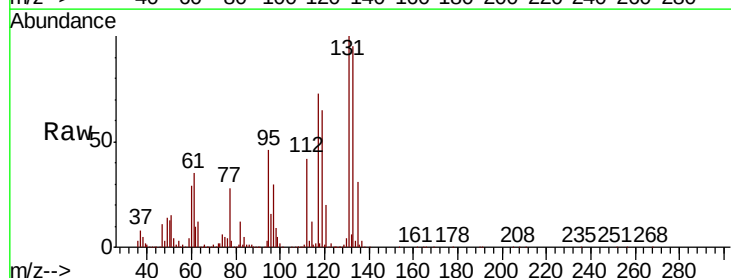
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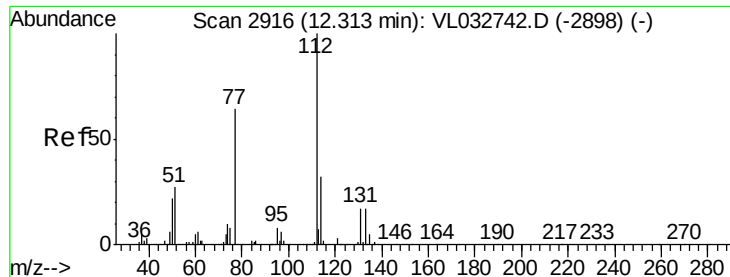
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.853 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.8	113.6
119	59.4	45.2	67.8





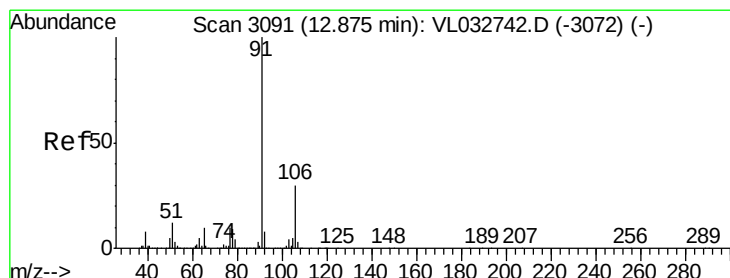
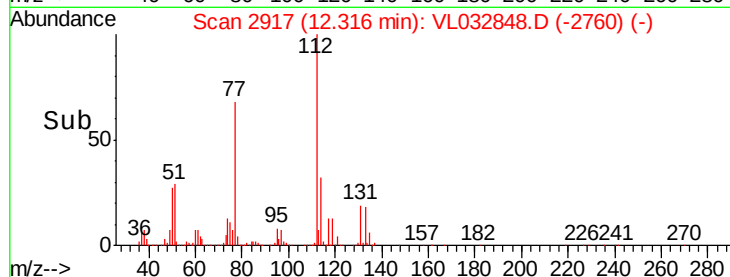
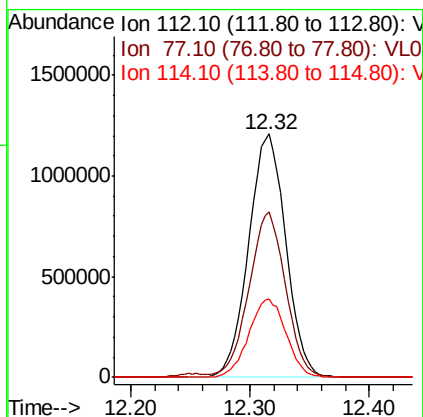
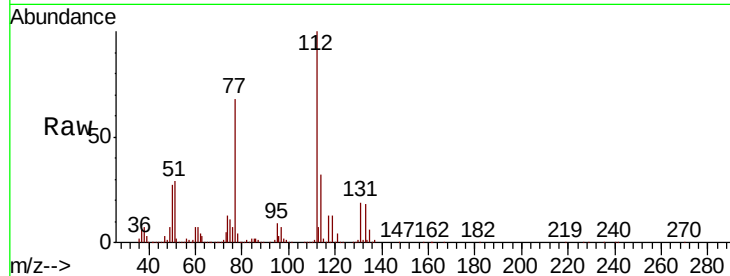
#57
Chlorobenzene
Concen: 9.604 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	67.7	52.3	78.5
114	32.2	28.4	34.8

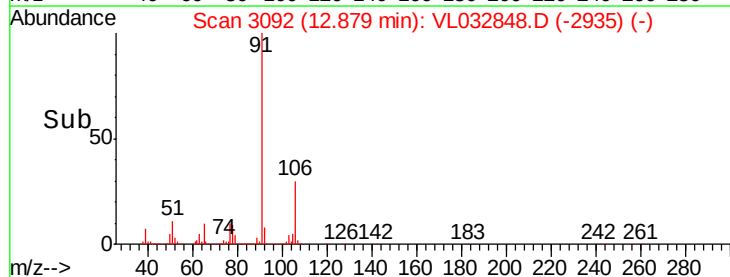
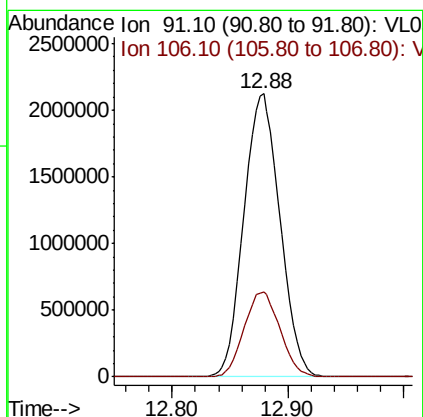
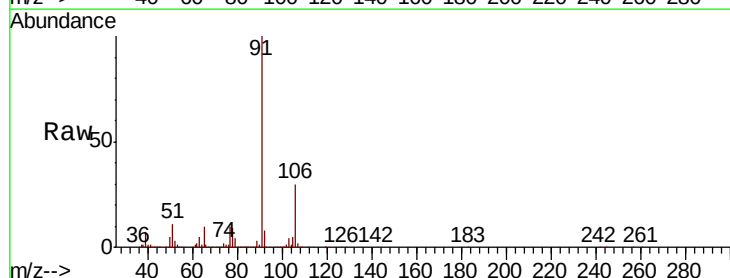
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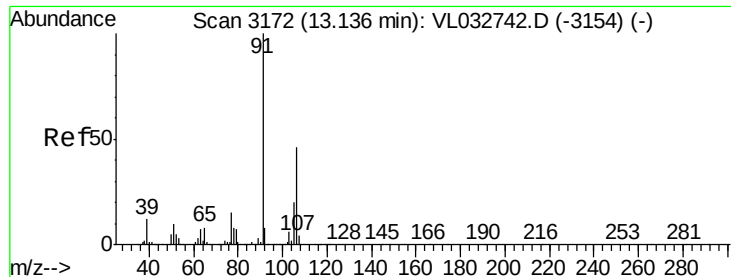
MMDadoda
12/3/2018 4:14:59 PM



#58
Ethyl Benzene
Concen: 10.790 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.6	35.4





#59

m/p-Xylene

Concen: 20.245 ppbv m

RT: 13.17 min Scan# 3182

Delta R.T. 0.03 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 91 Resp: 7694669

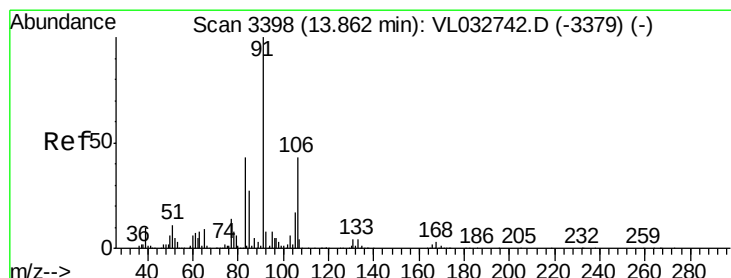
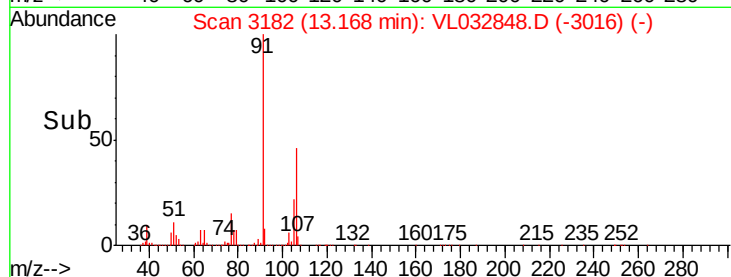
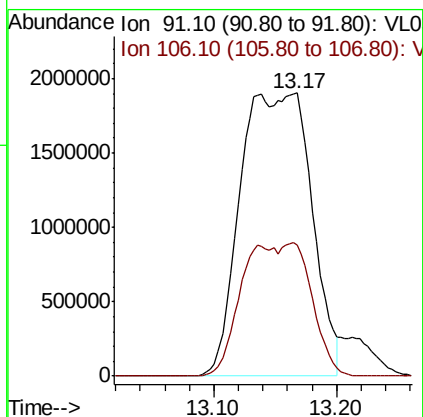
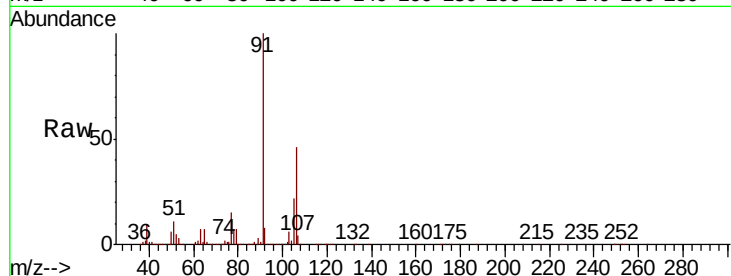
Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#

Manual Integrations
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12/3/2018 4:14:59 PM



#60

o-Xylene

Concen: 9.910 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL032848.D

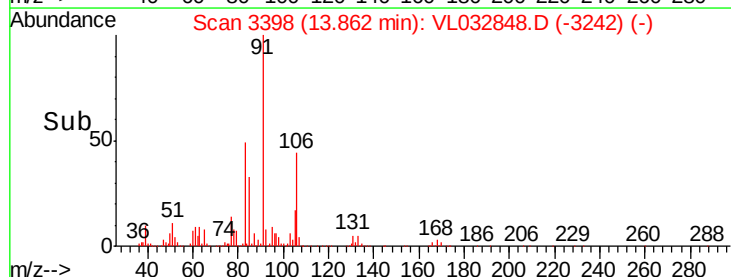
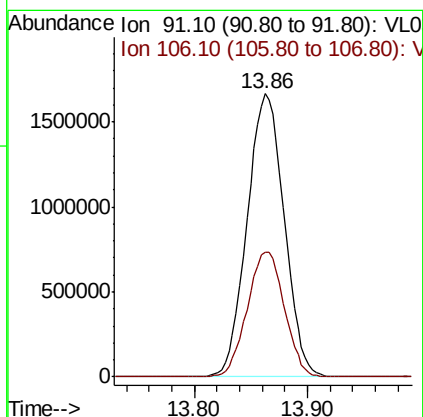
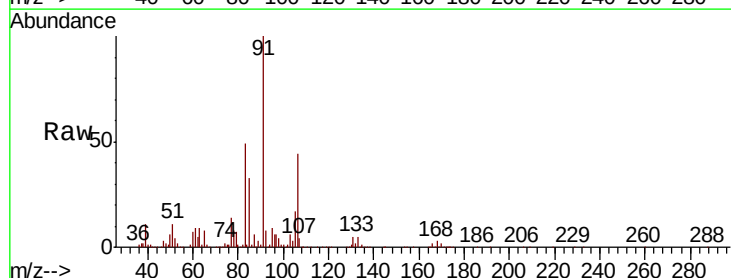
Acq: 30 Nov 2018 13:42

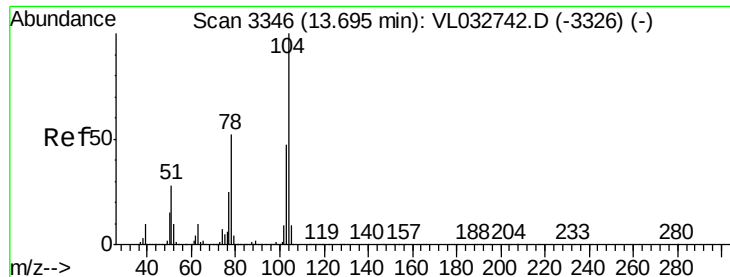
Tgt Ion: 91 Resp: 3787217

Ion Ratio Lower Upper

91 100

106 44.4 21.9 65.7





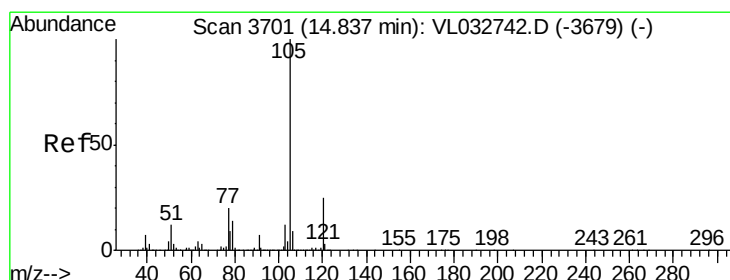
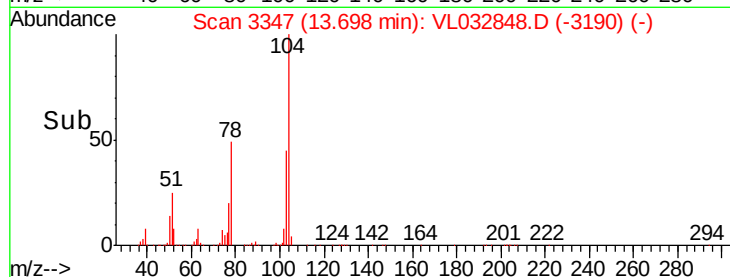
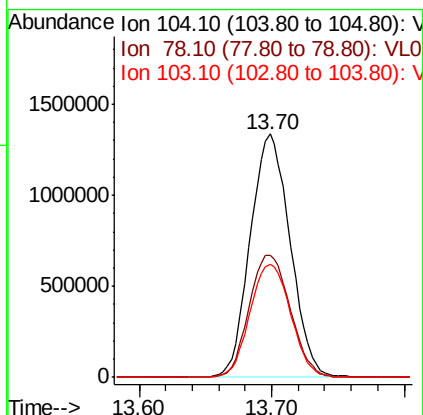
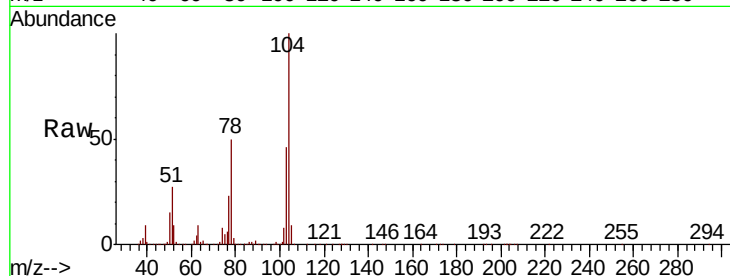
#61
Stvrene
Concen: 11.235 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.2	63.4
103	47.6	38.2	57.2

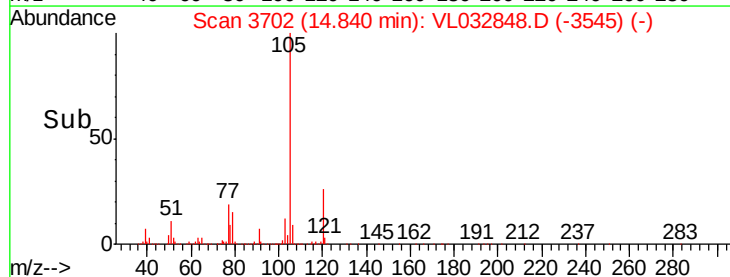
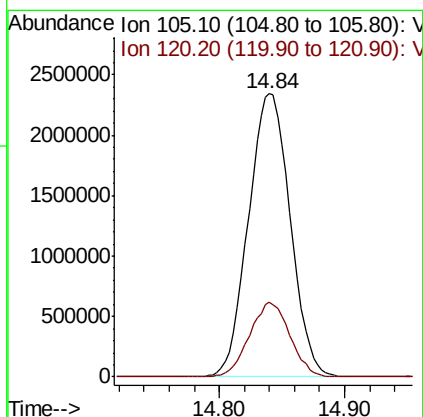
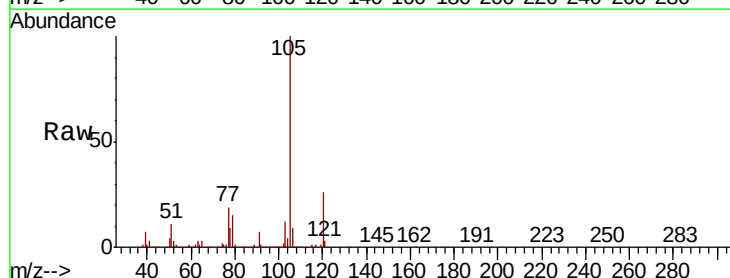
Manual Integrations
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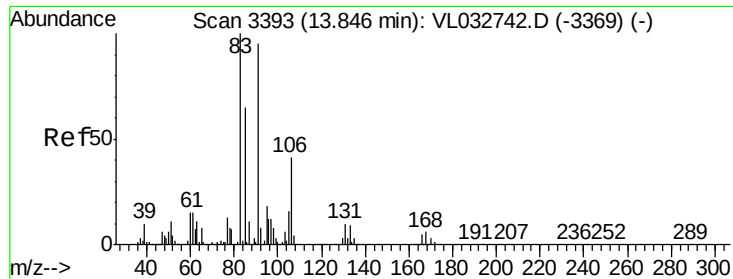
MMDadoda
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#62
Isopropylbenzene
Concen: 10.490 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.1	30.1





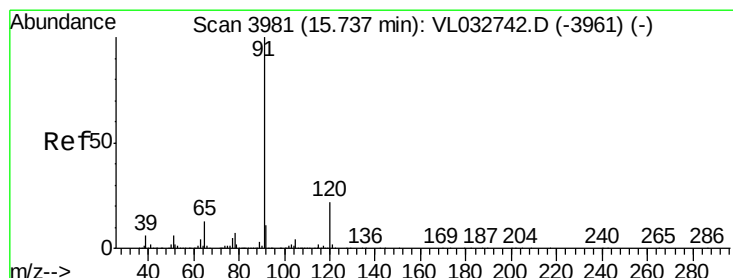
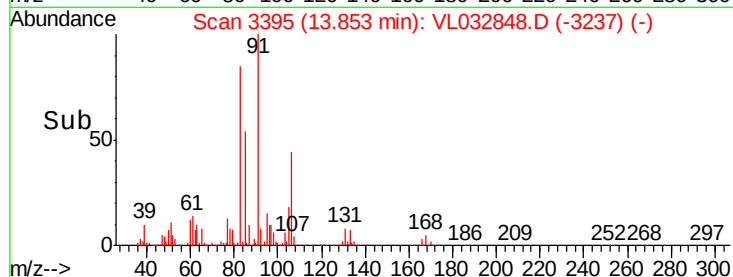
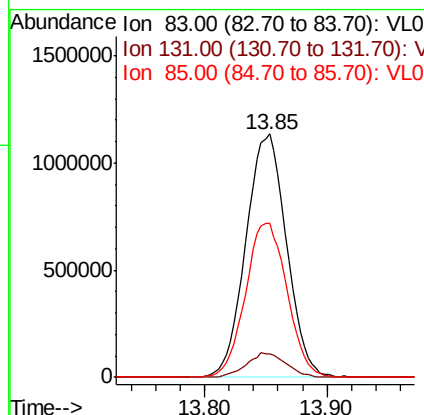
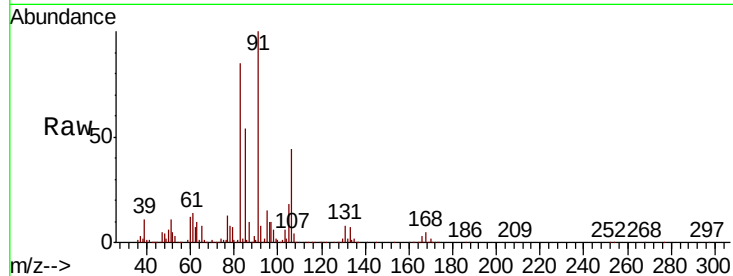
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.789 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	83	131	85
Resp	2618275	9.9	65.1
Lower		4.7	32.5
Upper		14.1	97.4

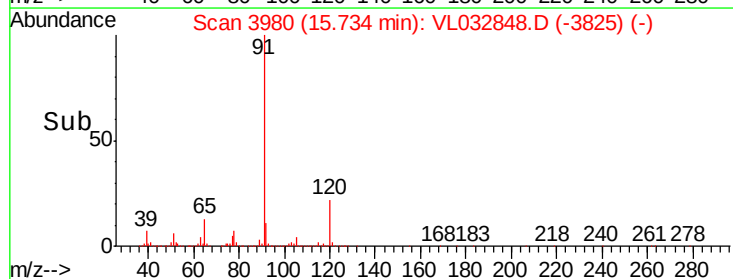
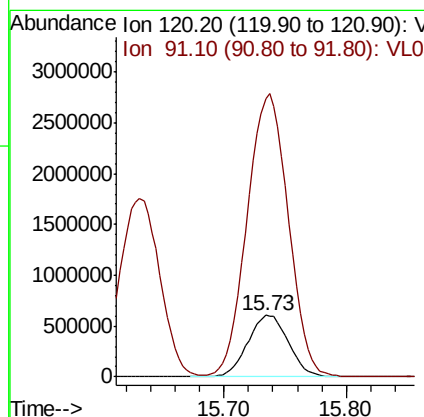
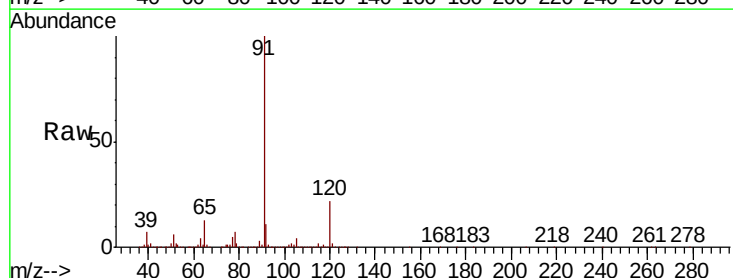
Manual Integrations
 APPROVED

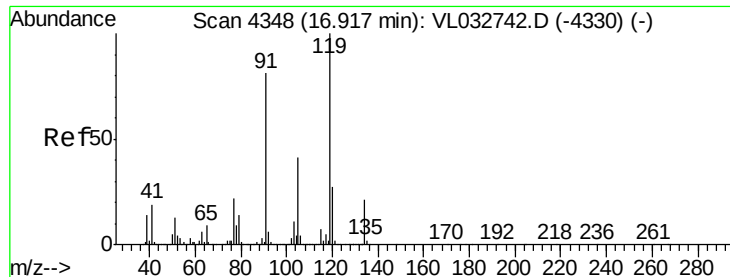
MMDadoda
 12/3/2018 4:14:59 PM



#64
 n-propylbenzene
 Concen: 10.268 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. -0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	120	91
Resp	1395106	467.4
Lower		381.7
Upper		572.5





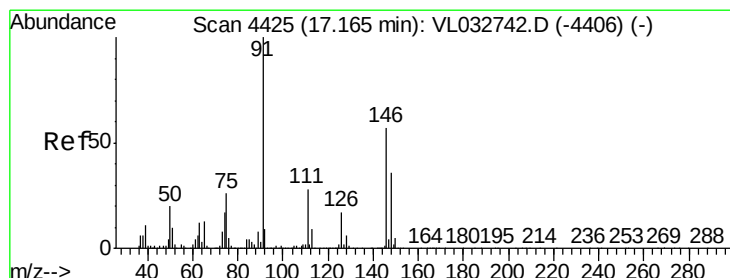
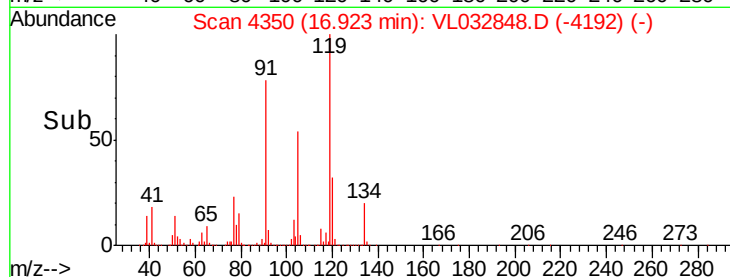
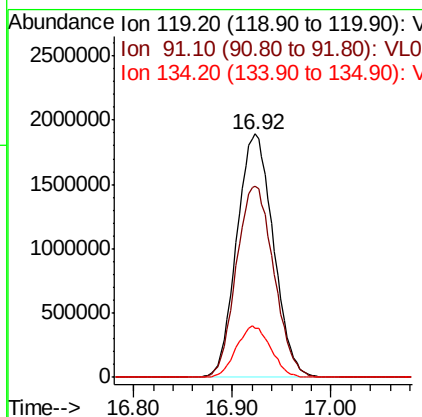
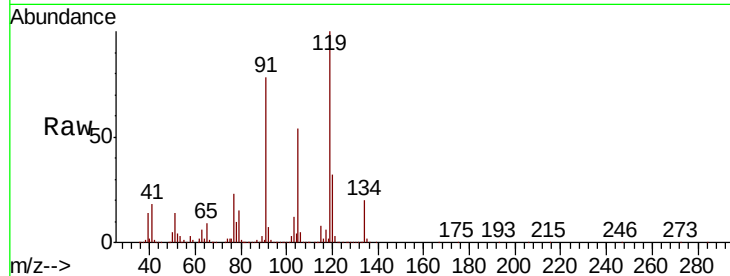
#65
tert-Butylbenzene
Concen: 10.473 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion:119 Resp: 4849703
Ion Ratio Lower Upper
119 100
91 80.9 65.6 98.4
134 19.9 15.9 23.9

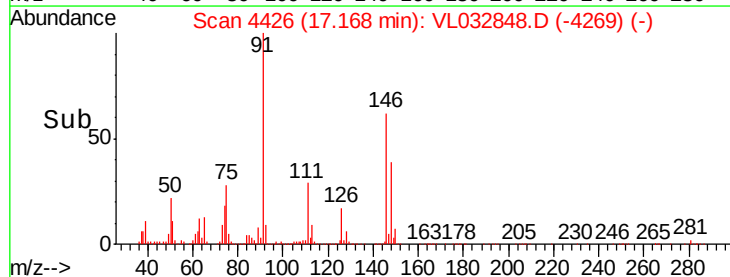
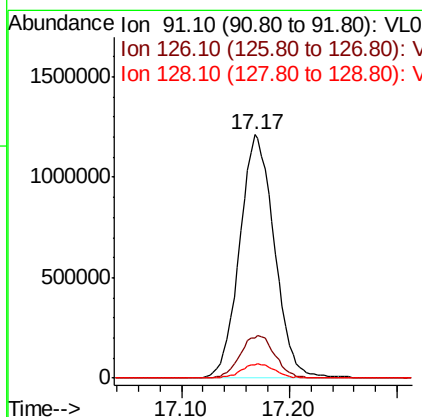
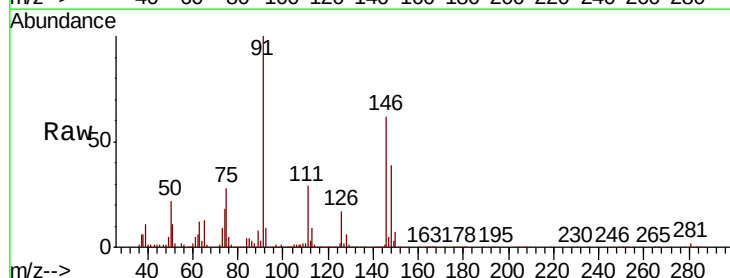
Manual Integrations
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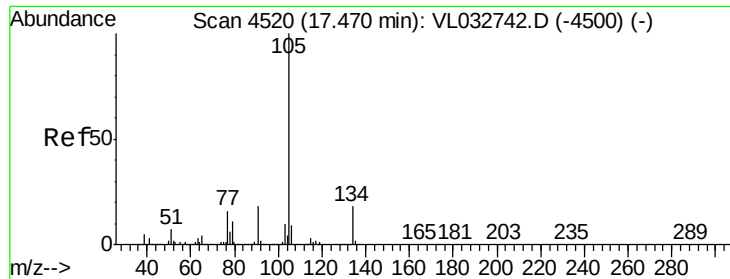
MMDadoda
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#66
Benzyl Chloride
Concen: 10.585 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032848.D
Acq: 30 Nov 2018 13:42

Tgt Ion: 91 Resp: 2709764
Ion Ratio Lower Upper
91 100
126 17.6 14.2 21.2
128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.111 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:105 Resp: 6747412

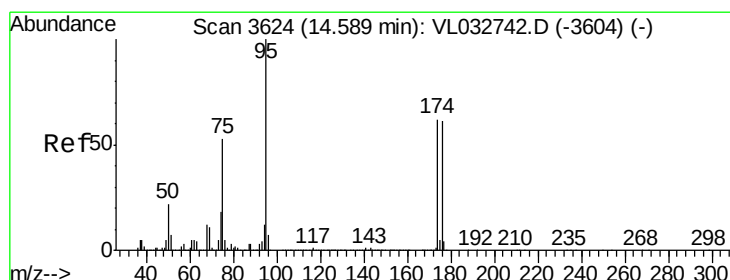
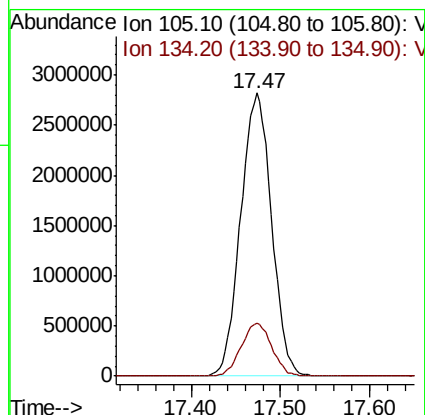
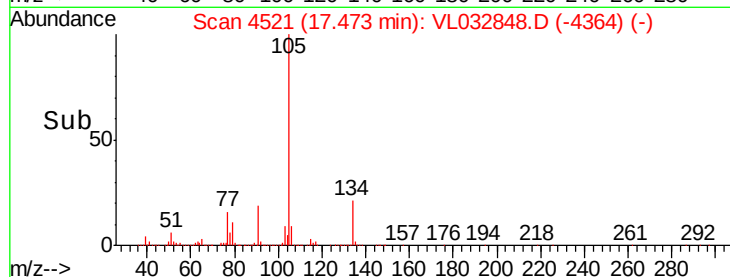
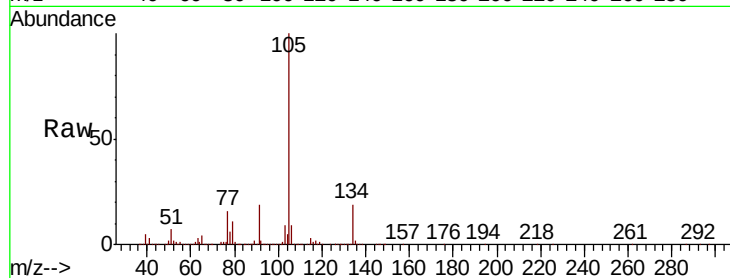
Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.199 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

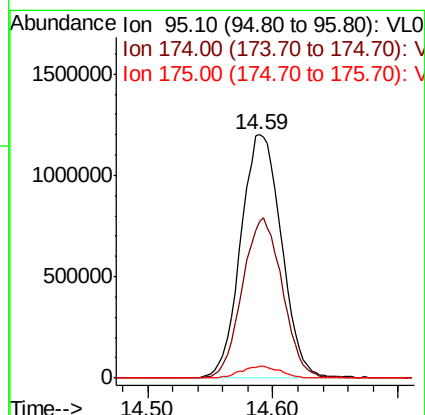
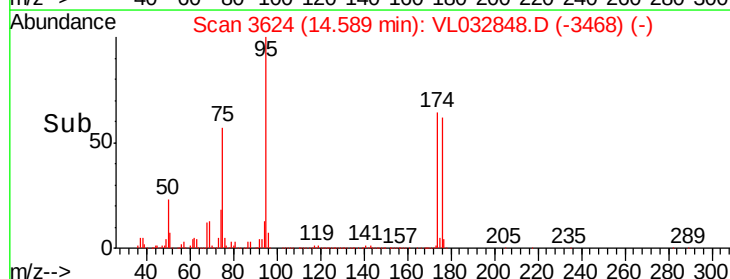
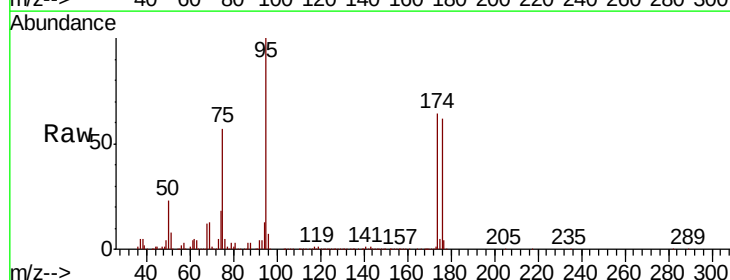
Tgt Ion: 95 Resp: 2706189

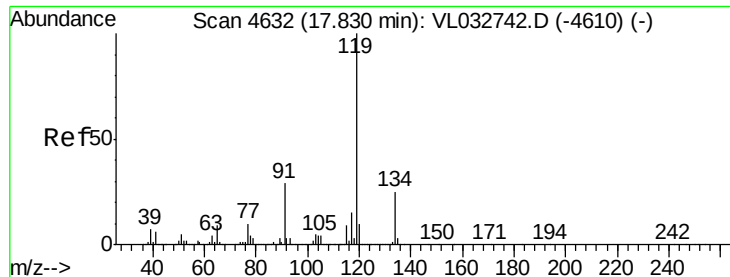
Ion Ratio Lower Upper

95 100

174 65.0 50.7 76.1

175 4.9 3.8 5.6





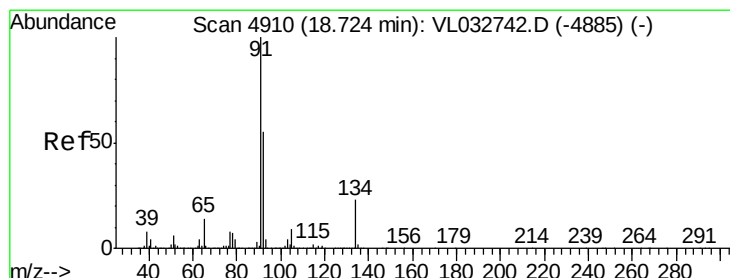
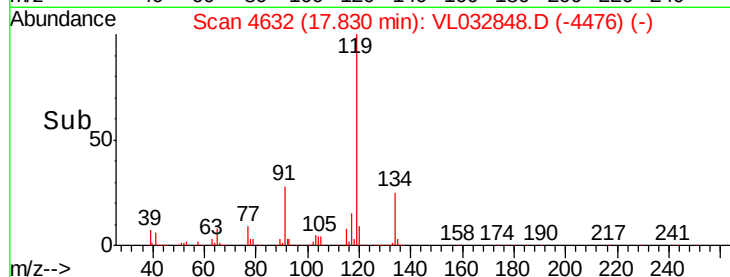
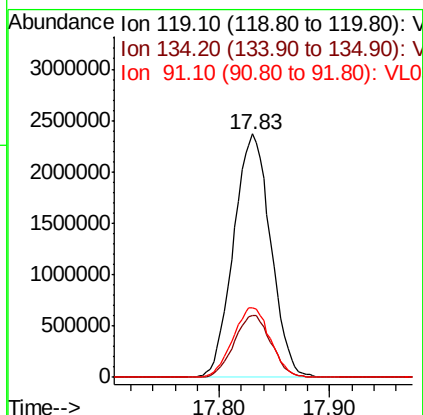
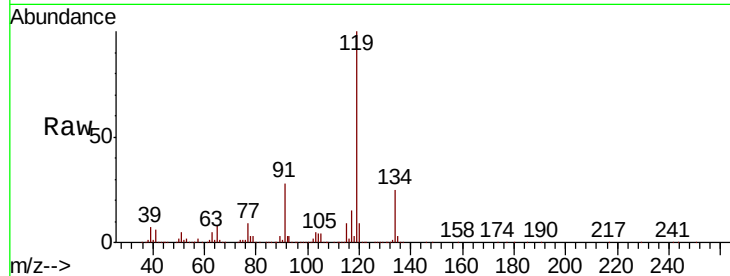
#69
 p-Isopropyltoluene
 Concen: 10.376 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.4
91	28.8	23.5	35.3

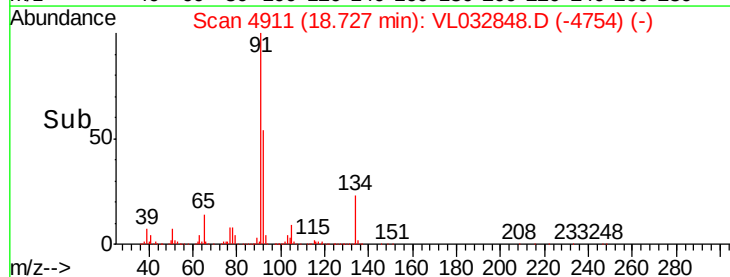
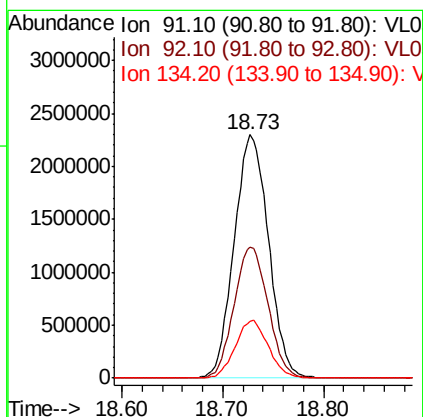
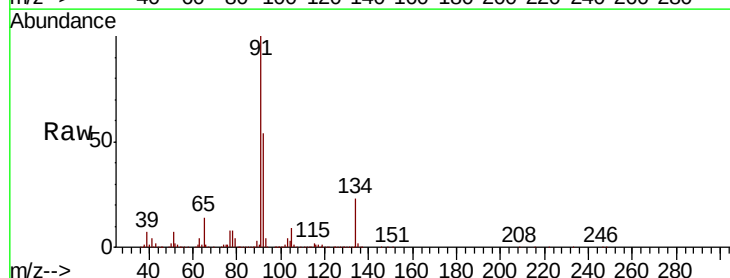
Manual Integrations
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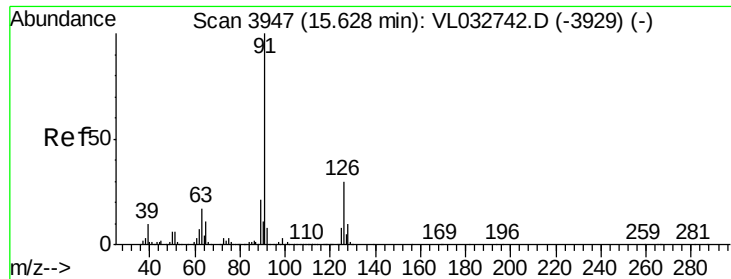
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.081 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.9	64.3
134	22.8	17.8	26.8





#71

2-Chlorotoluene

Concen: 10.383 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 91 Resp: 3999824

Ion Ratio Lower Upper

91 100

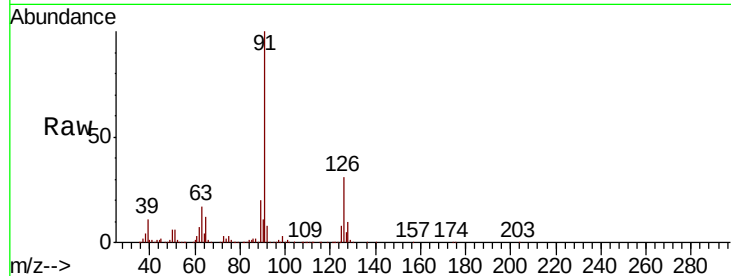
126 30.7 12.1 48.5

Manual Integrations

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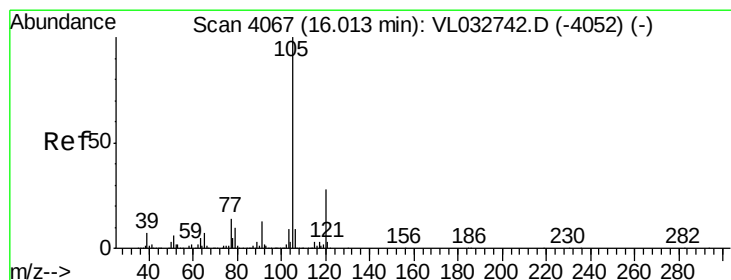
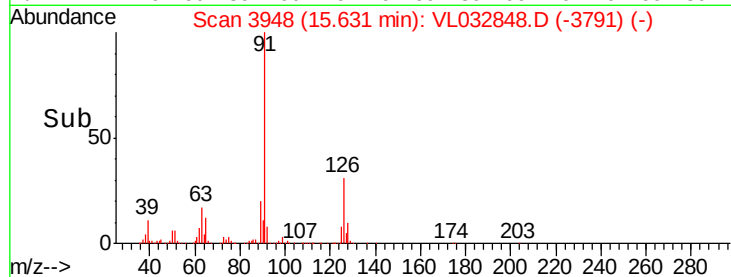
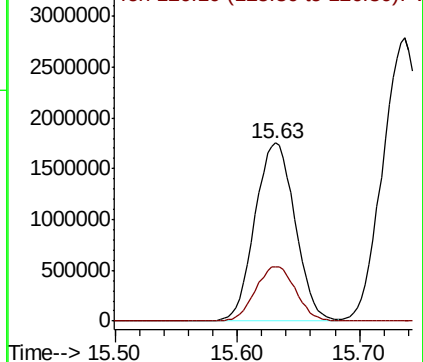
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.457 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tgt Ion:105 Resp: 4380348

Ion Ratio Lower Upper

105 100

120 29.6 22.9 34.3

91 13.2 10.6 15.8

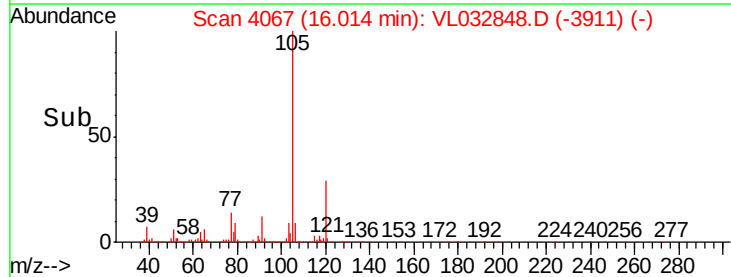
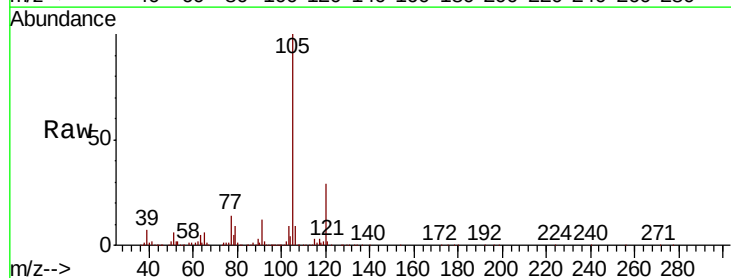
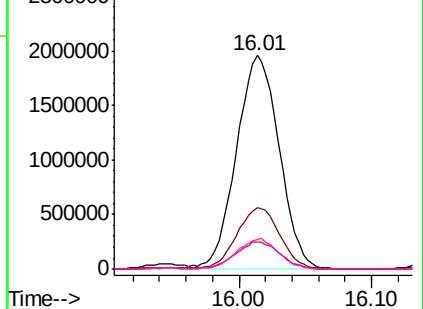
77 13.8 11.4 17.2

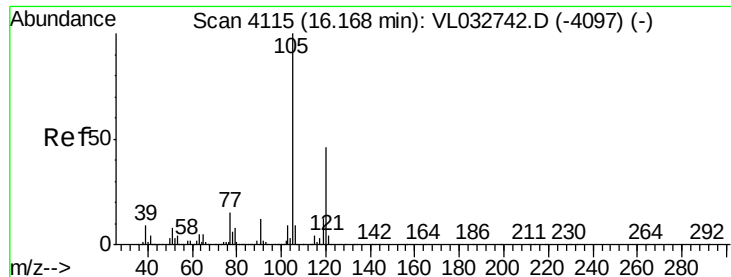
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.251 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:105 Resp: 4198188

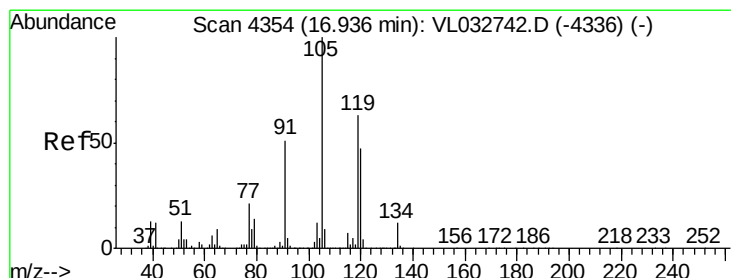
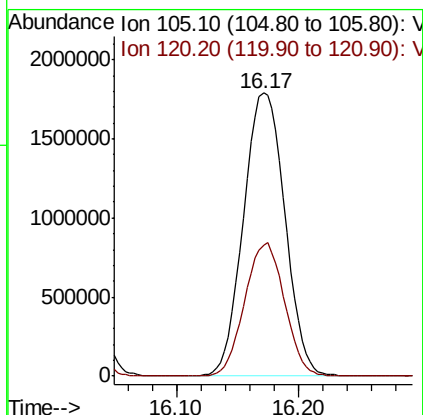
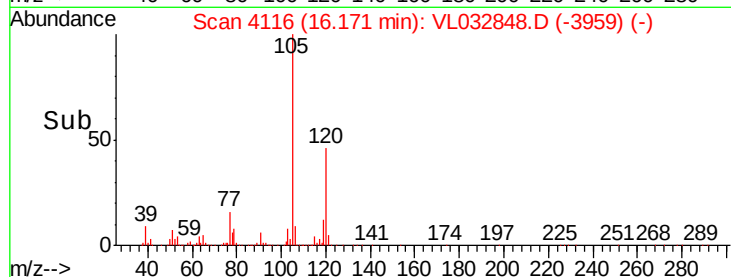
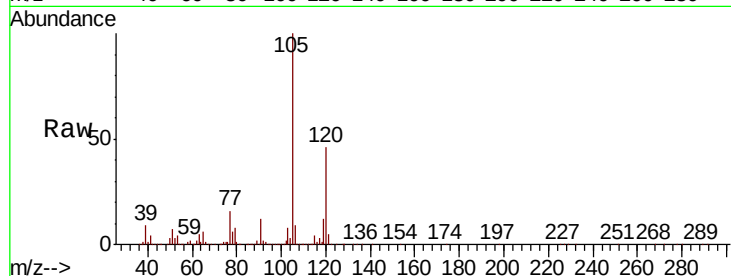
Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.806 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tgt Ion:105 Resp: 4297693

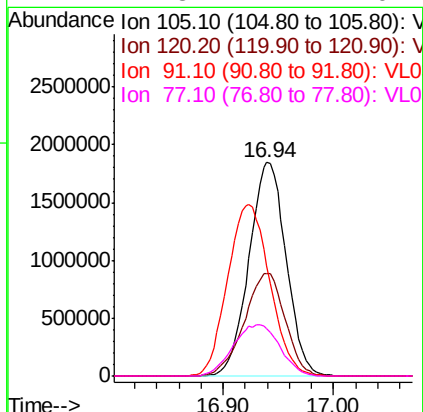
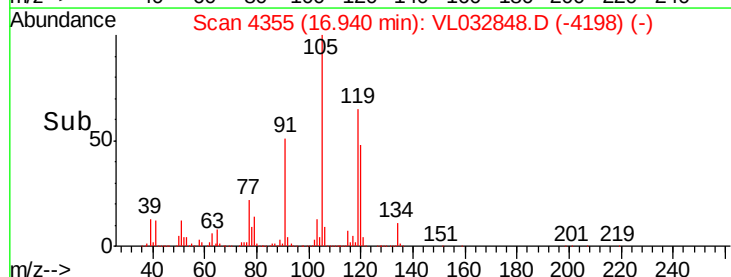
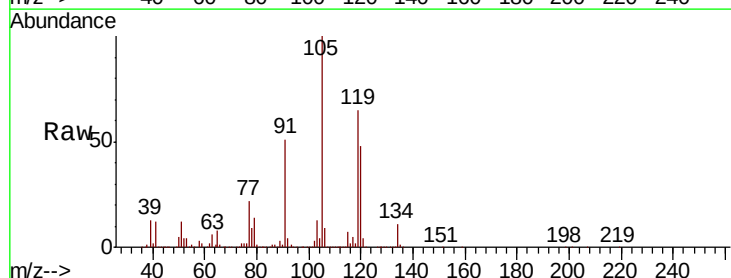
Ion Ratio Lower Upper

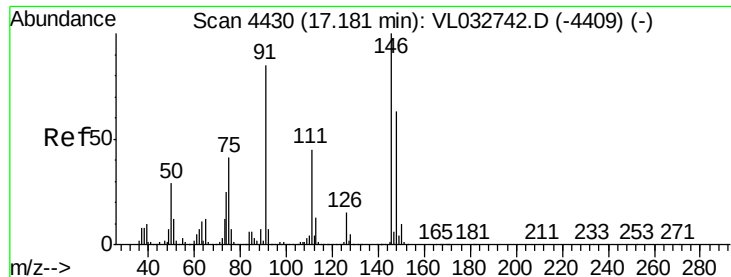
105 100

120 47.8 37.6 56.4

91 51.2 42.5 63.7

77 22.3 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.521 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

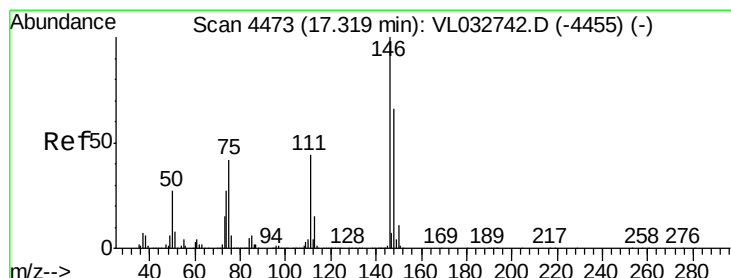
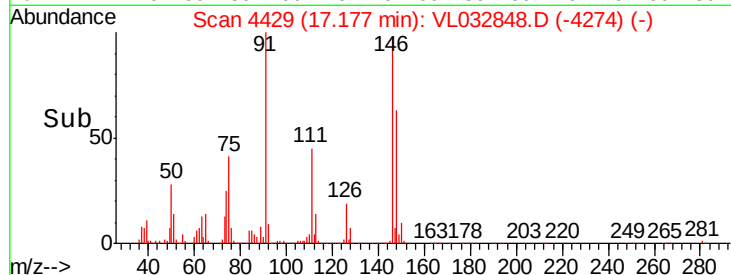
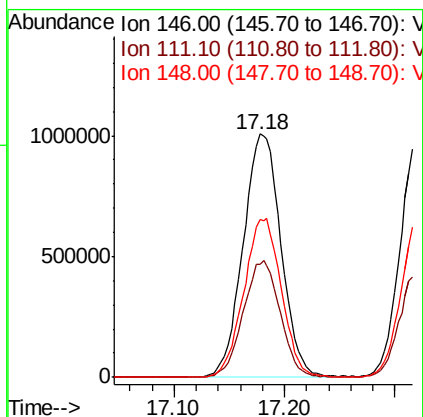
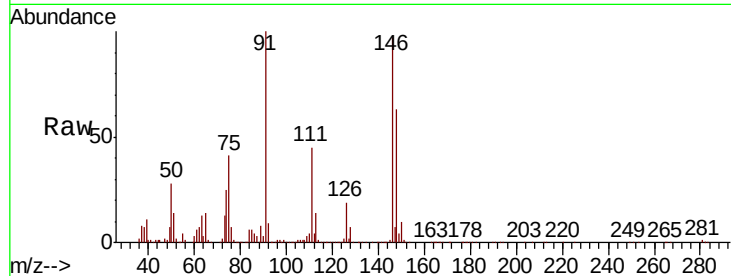
ClientSampleId :

VL1130ABS01

Tot Ion:	146	Resp:	2393531
Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.6
148	64.9	31.8	95.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.004 ppbv

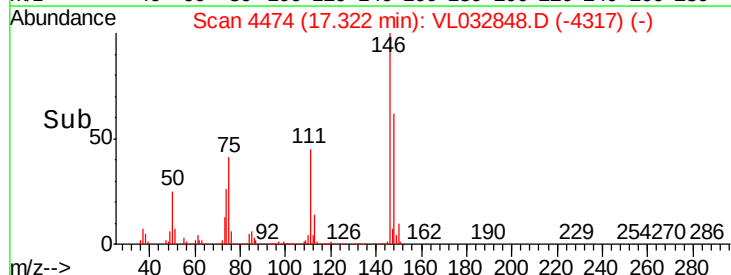
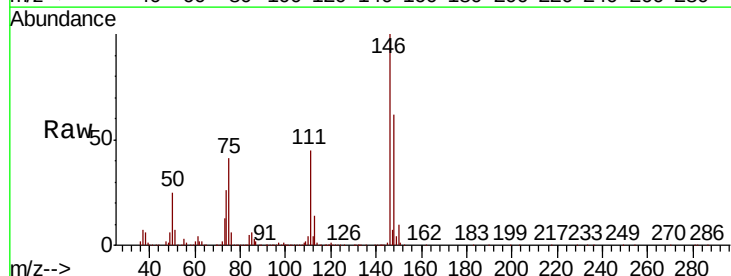
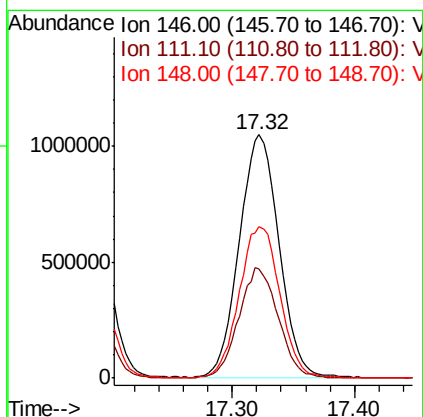
RT: 17.32 min Scan# 4474

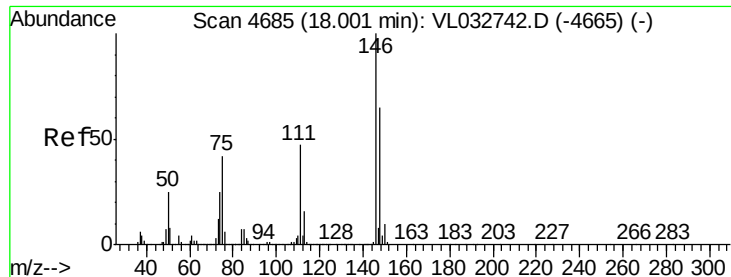
Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Tgt Ion:	146	Resp:	2349222
Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.5	67.5
148	64.5	32.5	97.5





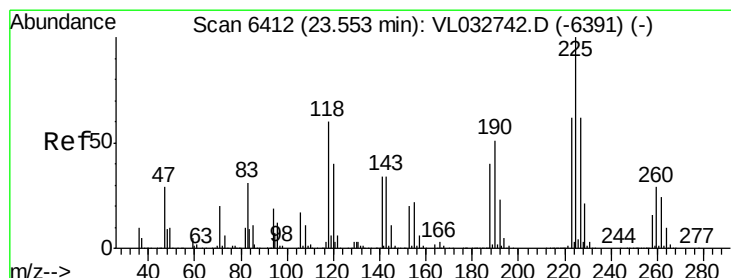
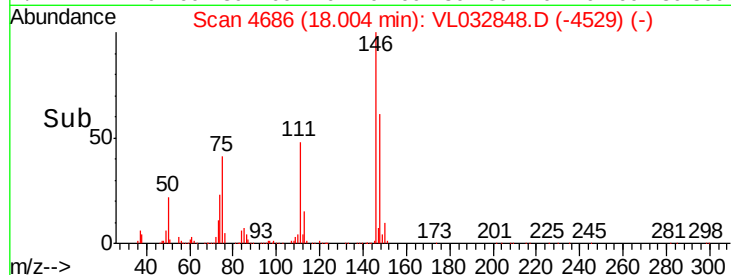
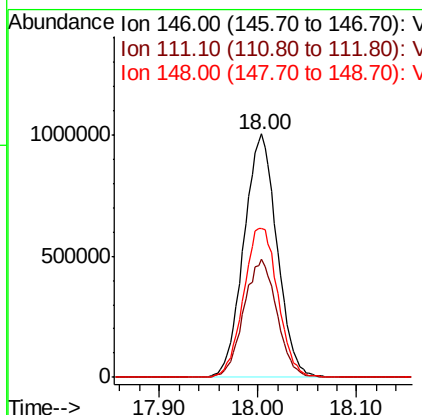
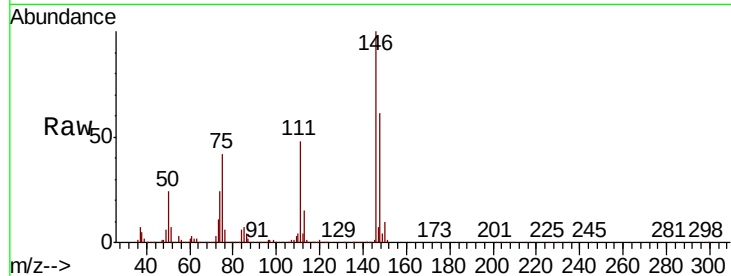
#77
 1,2-Dichlorobenzene
 Concen: 10.007 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.2
148	63.6	32.2	96.6

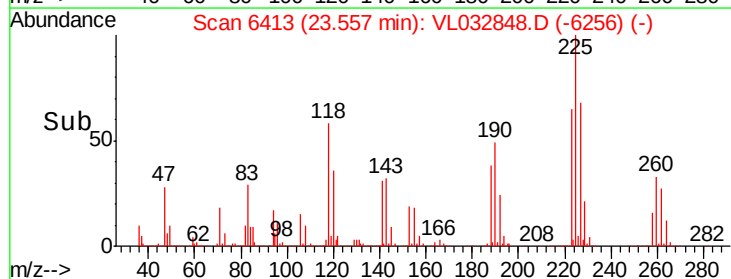
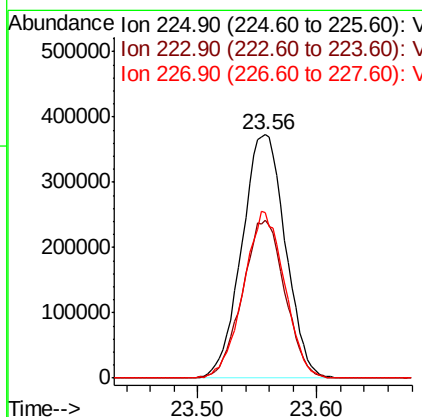
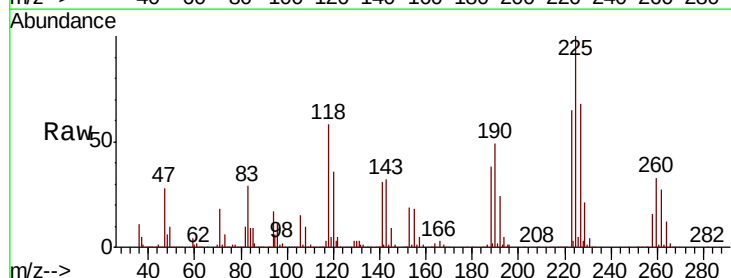
Manual Integrations
 APPROVED

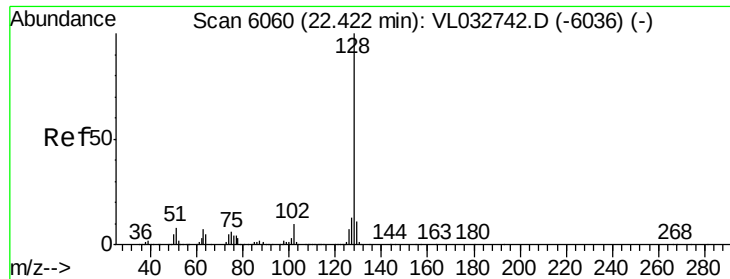
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 12/3/2018 4:14:59 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.523 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	64.7	50.2	75.4





#79

Naphthalene

Concen: 9.935 ppbv

RT: 22.42 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:128 Resp: 2860242

Ion Ratio Lower Upper

128 100

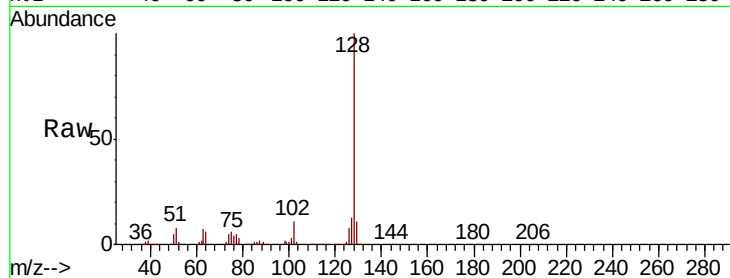
127 12.5 10.1 15.1

129 10.9 8.9 13.3

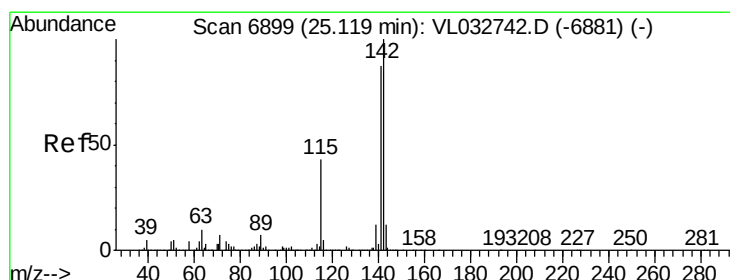
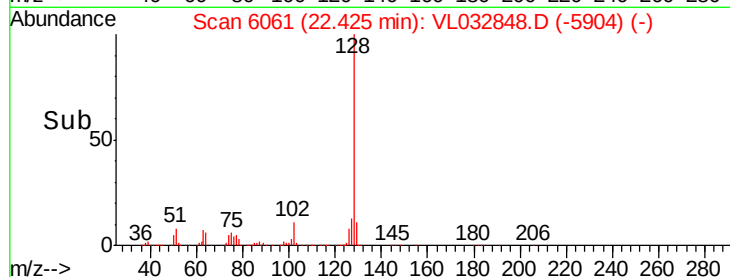
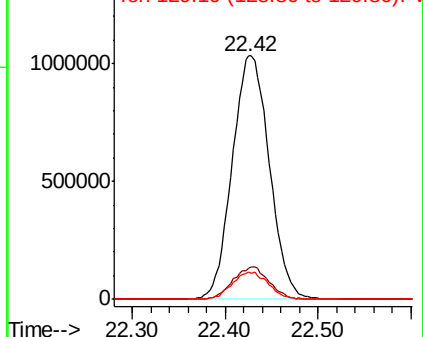
Manual Integrations
APPROVED

MMDadoda

12/3/2018 4:14:59 PM



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



#80

Naphthalene, 2-methyl-

Concen: 9.921 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL032848.D

Acq: 30 Nov 2018 13:42

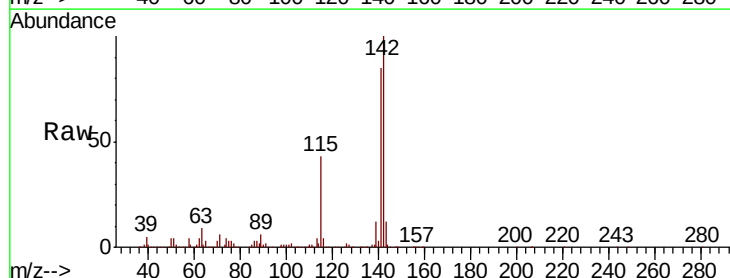
Tgt Ion:142 Resp: 715389

Ion Ratio Lower Upper

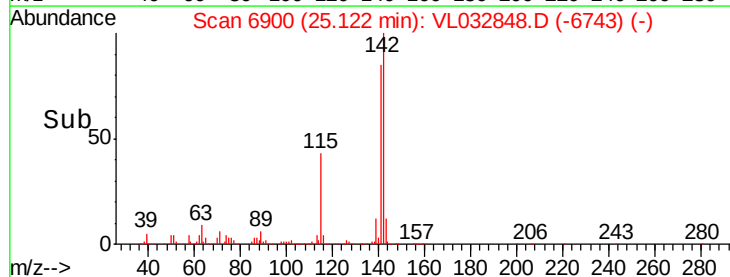
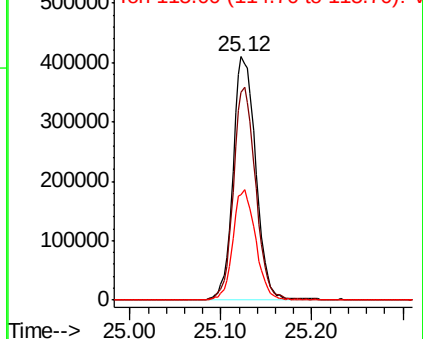
142 100

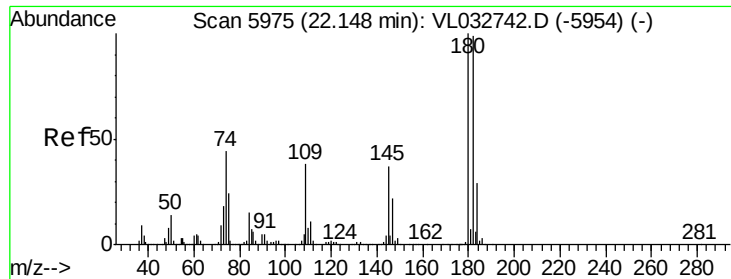
141 85.7 68.7 103.1

115 45.0 35.5 53.3



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





#81
 1,2,4-Trichlorobenzene
 Concen: 10.911 ppbv
 RT: 22.15 min Scan# 5977
 Delta R.T. 0.01 min
 Lab File: VL032848.D
 Acq: 30 Nov 2018 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.3	115.9
184	30.4	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:14:59 PM

