

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032849.D
 Acq On : 30 Nov 2018 15:08
 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 4:15:04 PM

Quant Time: Dec 01 02:37:29 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	1367064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3553895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3608578m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2665525	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	973810	4.956 ppbv	99
3) Chlorodifluoromethane	3.02	51	1039495	9.591 ppbv	99
4) Chloromethane	3.17	50	543935	9.051 ppbv	99
5) Vinyl Chloride	3.30	62	577444	9.068 ppbv	98
6) Bromomethane	3.52	94	382617	9.822 ppbv	91
7) Chloroethane	3.61	64	218553	9.522 ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1448703	9.355 ppbv	98
9) Propene	3.04	41	405249	9.343 ppbv	100
10) Heptane	8.25	43	1706810	10.308 ppbv	100
11) Trichlorofluoromethane	4.01	101	1803418	9.738 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1743024	11.523 ppbv	97
13) Ethanol	3.66	45	110377	7.770 ppbv	99
14) Bromoethene	3.80	108	502107	10.005 ppbv	99
15) Acetone	3.91	43	1067696	8.552 ppbv	100
16) 1,3-Butadiene	3.37	39	500613	10.355 ppbv	99
17) tert-Butyl alcohol	4.37	59	430181	10.987 ppbv	100
18) 1,1-Dichloroethene	4.36	96	706116	9.493 ppbv	97
19) Isopropyl Alcohol	4.03	45	1108256	13.326 ppbv	100
20) Methylene Chloride	4.42	84	689292	10.665 ppbv	95
21) Allyl Chloride	4.49	41	1241685	11.835 ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	798398	10.992 ppbv	96
23) Vinyl Acetate	5.16	43	2314229	10.169 ppbv	99
24) 1,1-Dichloroethane	5.10	63	1918243	10.602 ppbv	100
25) Ethyl Acetate	5.78	43	2866622	9.852 ppbv	100
26) Hexane	5.79	57	1342322	10.363 ppbv	99
27) Carbon Disulfide	4.63	76	1980092	12.056 ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2355544	11.404 ppbv	99
29) Chloroform	5.86	83	2272764	9.845 ppbv	98
30) Cyclohexane	7.26	84	1207733	10.661 ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1389074	10.667 ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2492193	9.849 ppbv	99
34) 2-Butanone	5.34	43	1814505	9.844 ppbv	100
35) Carbon Tetrachloride	7.14	117	2703792	9.464 ppbv	99
36) Benzene	7.02	78	2819891	9.964 ppbv	98
37) 1,2-Dichloroethane	6.42	62	1879124	9.864 ppbv	100
38) Trichloroethene	7.97	130	1206221	10.532 ppbv	96
39) 1,2-Dichloropropane	7.75	63	1049265	9.731 ppbv	99
40) 1,4-Dioxane	7.96	88	391360	10.162 ppbv	# 1
41) Tetrahydrofuran	6.16	42	1095850	10.364 ppbv	99
42) Bromodichloromethane	7.93	83	2596203	10.053 ppbv	100
43) Methyl Methacrylate	8.15	69	1128067	10.677 ppbv	98

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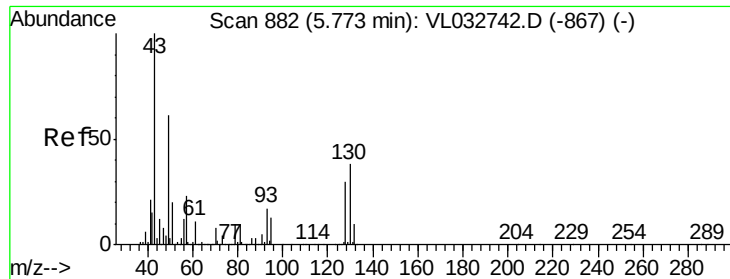
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4781111	10.110	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1584309	11.175	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1820336	10.628	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1288290	10.104	ppbv	97
48) Dibromochloromethane	10.46	129	2272278	10.486	ppbv	100
49) Bromoform	13.22	173	1989938	11.119	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2921925	10.149	ppbv	100
51) 2-Hexanone	10.28	43	2074272	11.183	ppbv	99
52) Tetrachloroethene	11.39	164	1055823	10.725	ppbv	98
53) Toluene	9.96	91	3594039	12.173	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1931539	10.717	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1632335	9.698	ppbv	98
57) Chlorobenzene	12.31	112	2644308	9.573	ppbv	98
58) Ethyl Benzene	12.88	91	4607935	10.610	ppbv	99
59) m/p-Xylene	13.14	91	7797996m	20.170	ppbv	
60) o-Xylene	13.86	91	3804893	9.788	ppbv	100
61) Styrene	13.70	104	2811120	11.109	ppbv	99
62) Isopropylbenzene	14.84	105	5431029	10.336	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2625760	8.665	ppbv	99
64) n-propylbenzene	15.73	120	1376029	9.957	ppbv	98
65) tert-Butylbenzene	16.92	119	4847538	10.292	ppbv	99
66) Benzyl Chloride	17.17	91	2704384	10.385	ppbv	100
67) sec-Butylbenzene	17.47	105	6687507	9.852	ppbv	99
69) p-Isopropyltoluene	17.83	119	5494555	10.180	ppbv	99
70) n-Butylbenzene	18.73	91	5403917	9.861	ppbv	99
71) 2-Chlorotoluene	15.63	91	3997986	10.203	ppbv	99
72) 4-Ethyltoluene	16.01	105	4339096	10.184	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4167359	10.003	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4273235	9.586	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2395295	9.367	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2334393	9.773	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2318358	9.800	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	929811	7.283	ppbv	100
79) Naphthalene	22.43	128	3115183	10.637	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	766662	10.453	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1593794	10.837	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

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ClientSampleId :

VL1130ABS01

Tot Ion: 49 Resp: 1367064

Ion Ratio Lower Upper

49 100

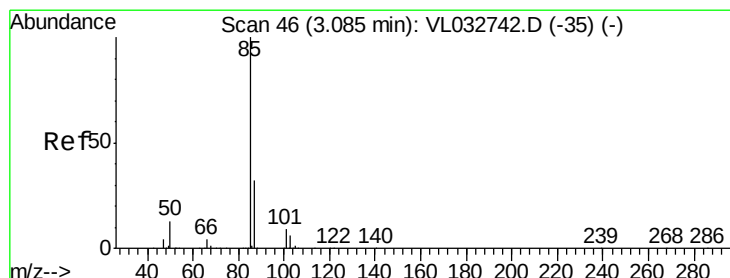
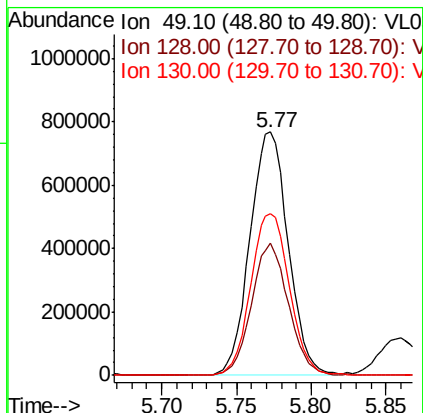
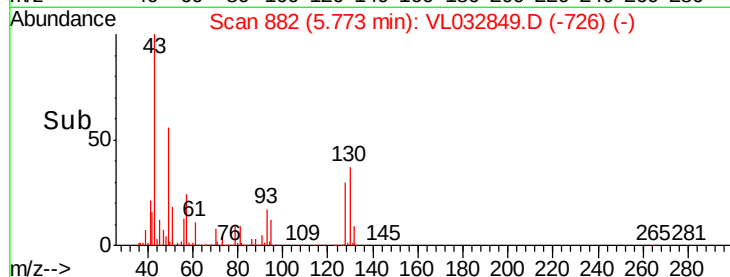
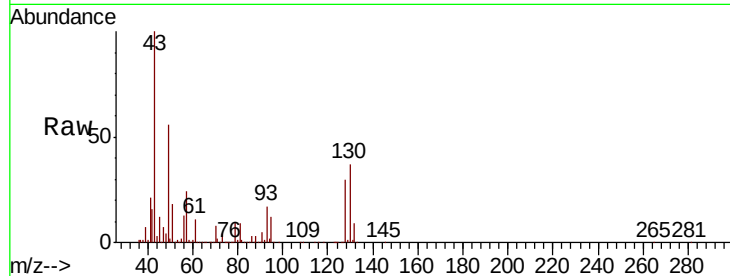
128 52.6 24.9 74.6

130 67.4 31.4 94.2

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#2

Dichlorodifluoromethane

Concen: 4.956 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032849.D

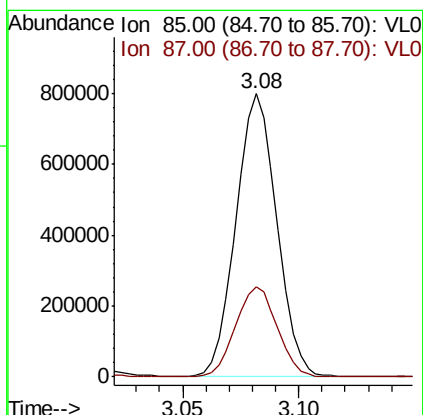
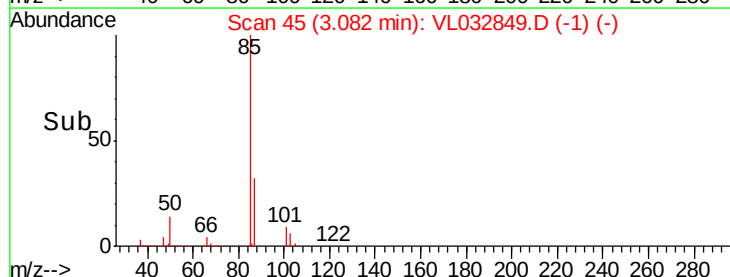
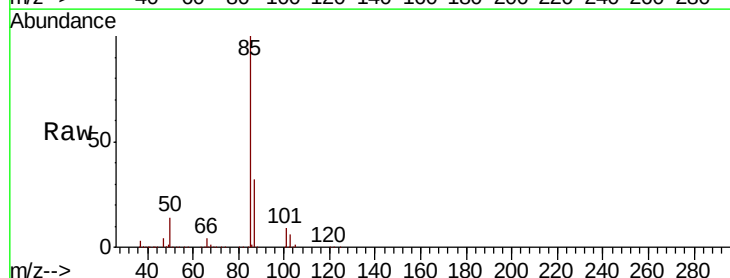
Acq: 30 Nov 2018 15:08

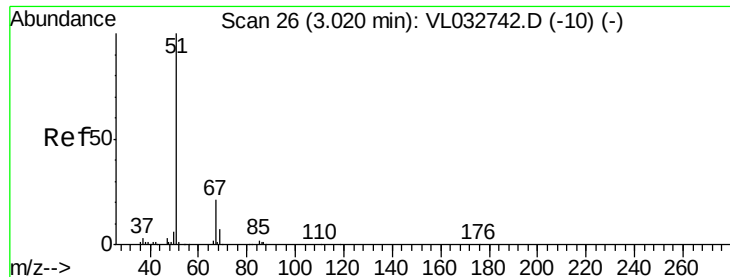
Tgt Ion: 85 Resp: 973810

Ion Ratio Lower Upper

85 100

87 32.0 26.0 39.0





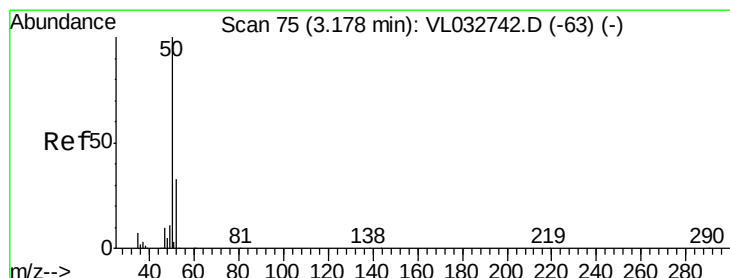
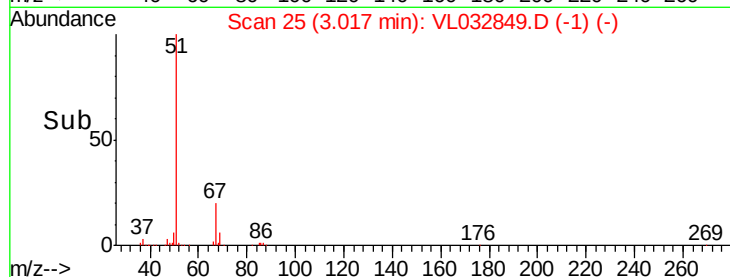
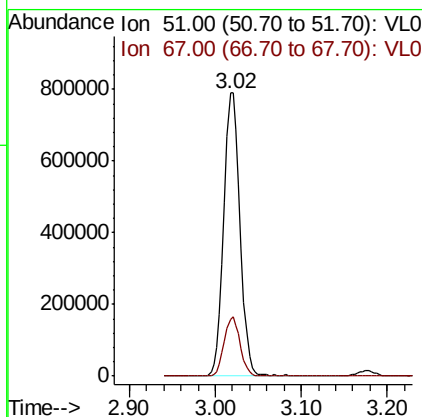
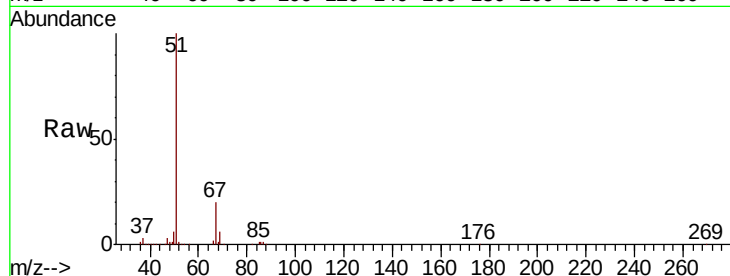
#3
Chlorodifluoromethane
Concen: 9.591 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion: 51 Resp: 1039495
Ion Ratio Lower Upper
51 100
67 20.5 16.1 24.1

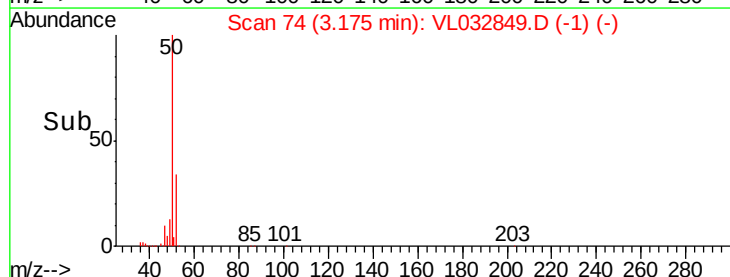
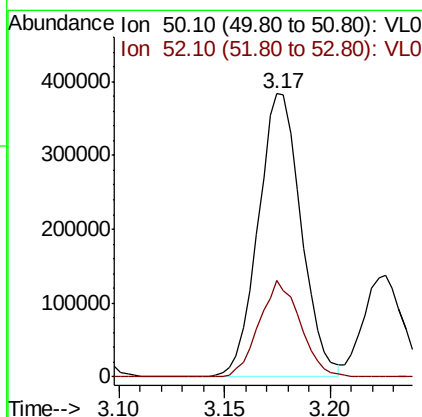
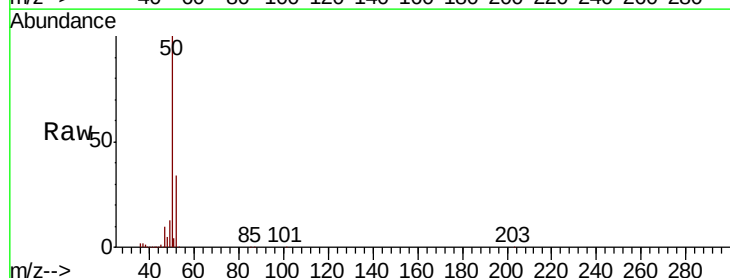
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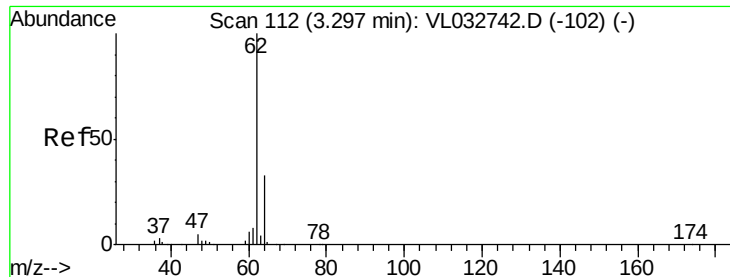
MMDadoda
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#4
Chloromethane
Concen: 9.051 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 50 Resp: 543935
Ion Ratio Lower Upper
50 100
52 34.0 26.6 40.0





#5

Vinyl Chloride

Concen: 9.068 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 62 Resp: 577444

Ion Ratio Lower Upper

62 100

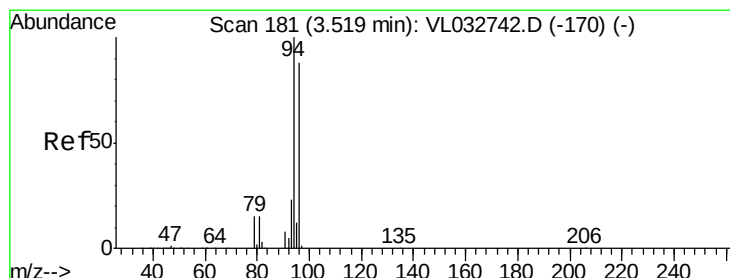
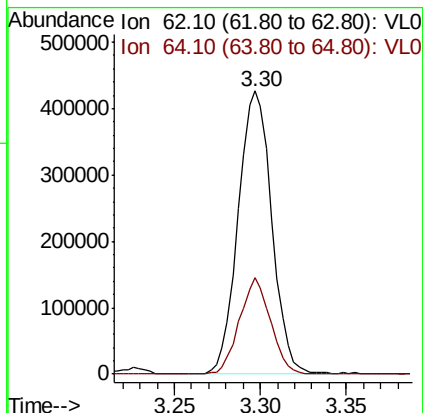
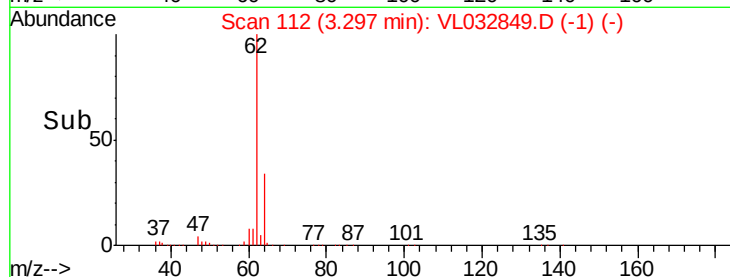
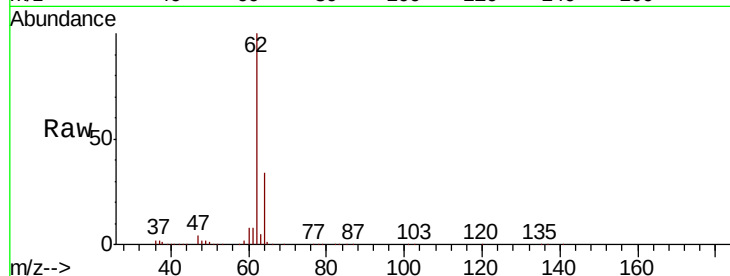
64 34.1 26.2 39.4

Manual Integrations

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#6

Bromomethane

Concen: 9.822 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032849.D

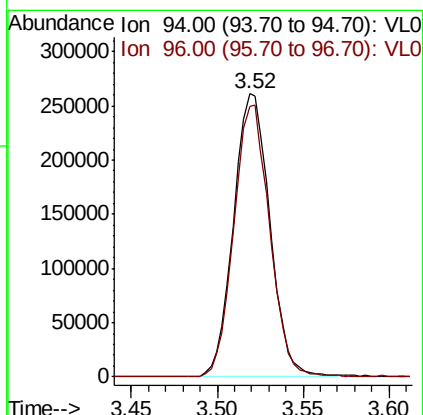
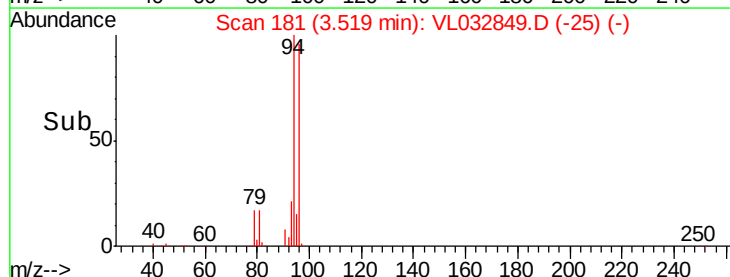
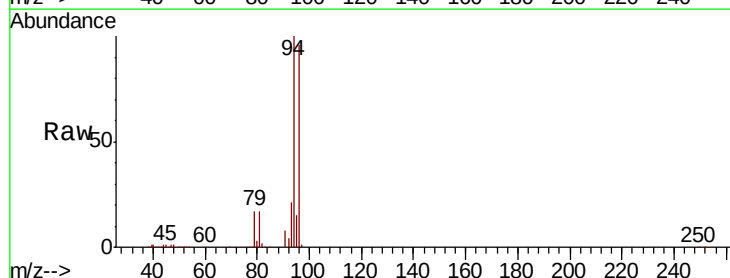
Acq: 30 Nov 2018 15:08

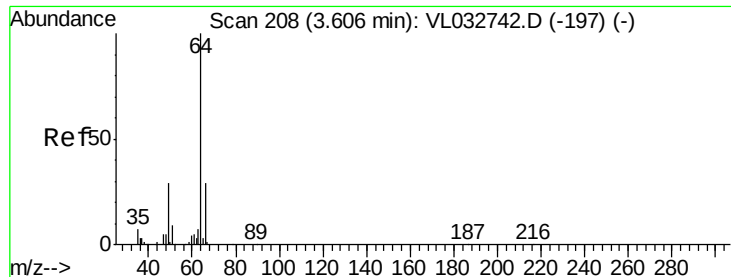
Tgt Ion: 94 Resp: 382617

Ion Ratio Lower Upper

94 100

96 95.8 70.2 105.2





#7

Chloroethane

Concen: 9.522 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 64 Resp: 218553

Ion Ratio Lower Upper

64 100

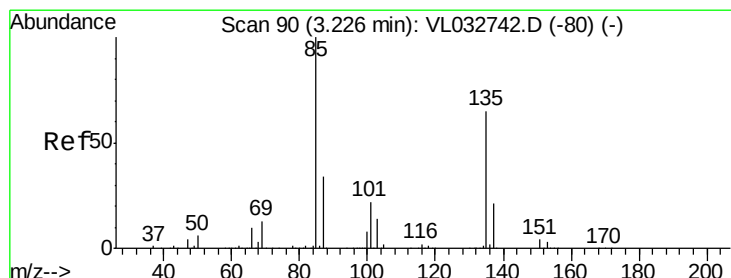
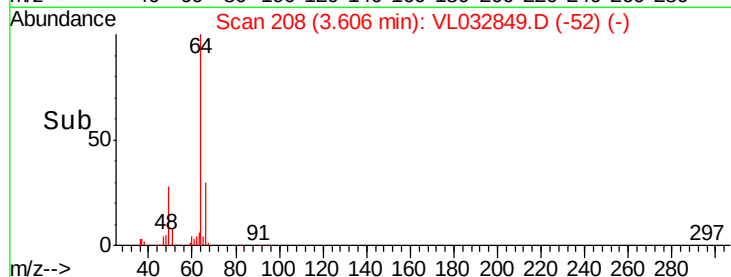
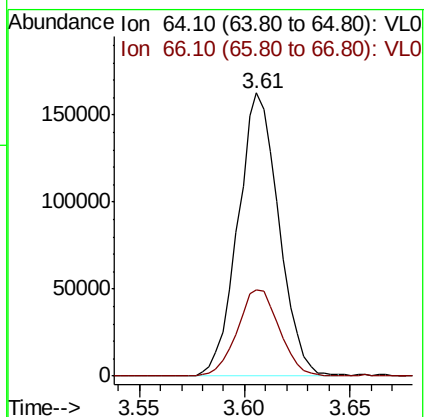
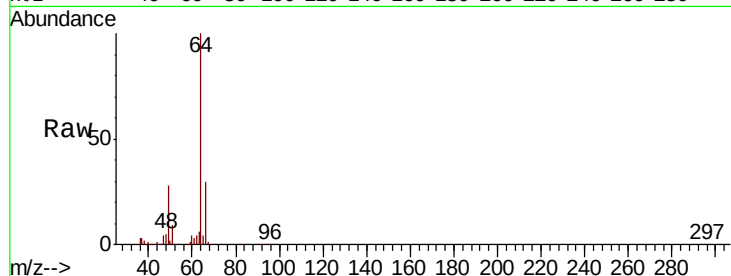
66 30.5 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.355 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032849.D

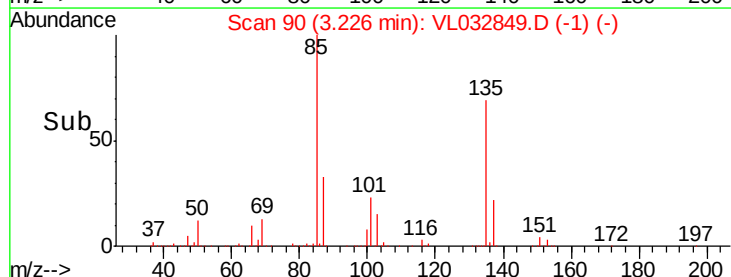
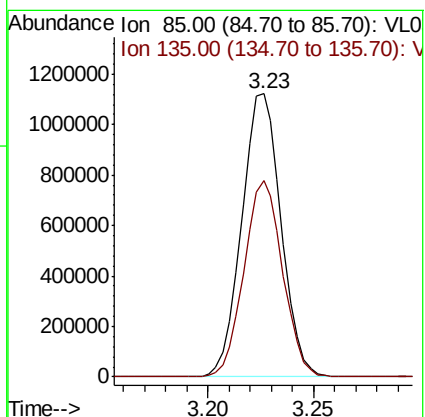
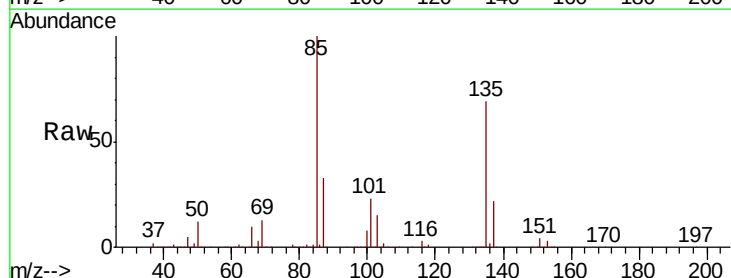
Acq: 30 Nov 2018 15:08

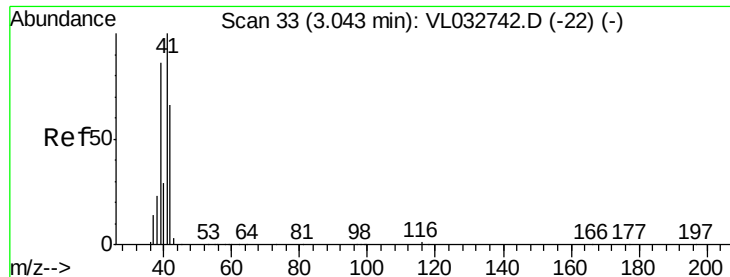
Tgt Ion: 85 Resp: 1448703

Ion Ratio Lower Upper

85 100

135 68.6 53.8 80.8





#9

Propene

Concen: 9.343 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 41 Resp: 405249

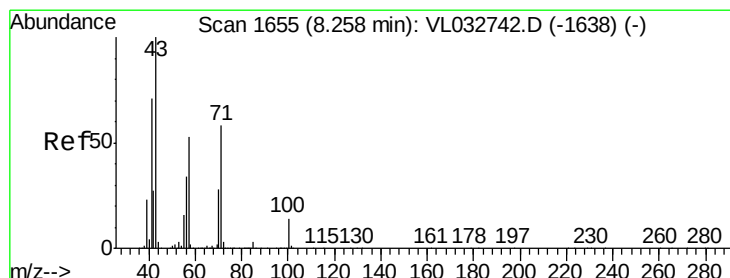
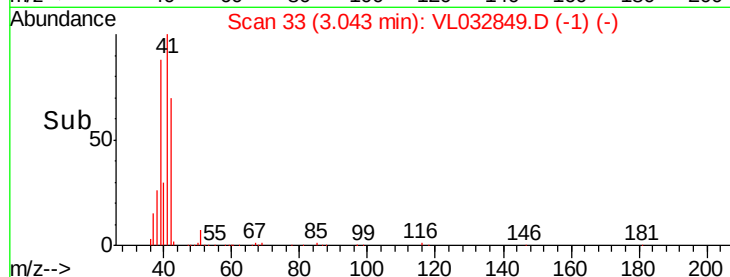
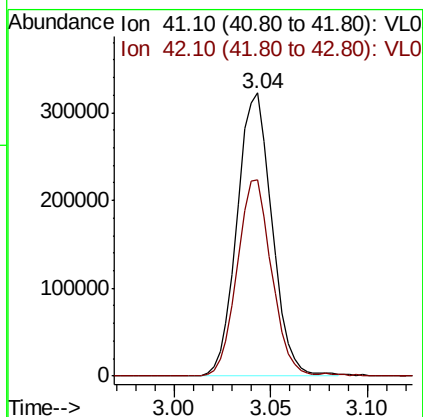
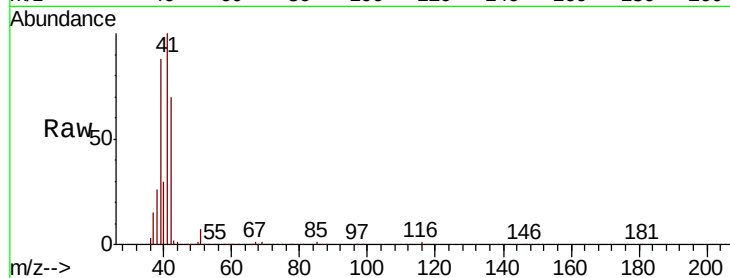
Ion Ratio Lower Upper

41 100

42 69.2 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 10.308 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032849.D

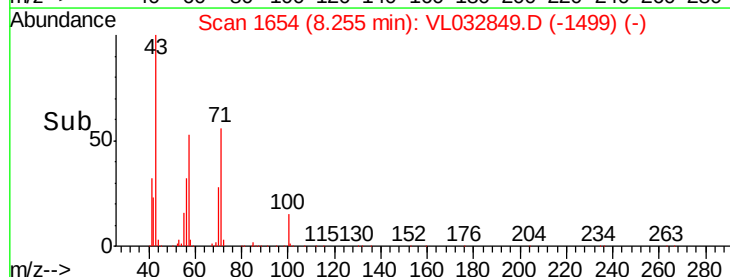
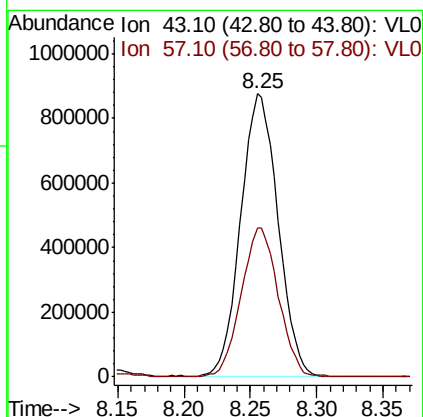
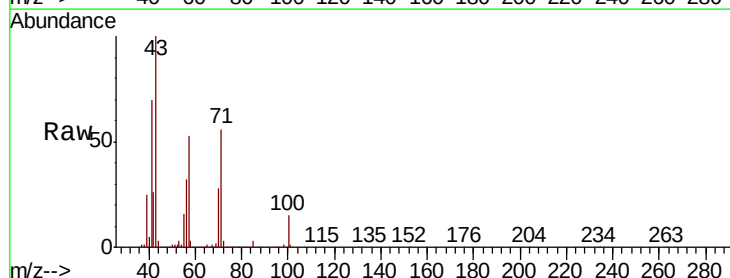
Acq: 30 Nov 2018 15:08

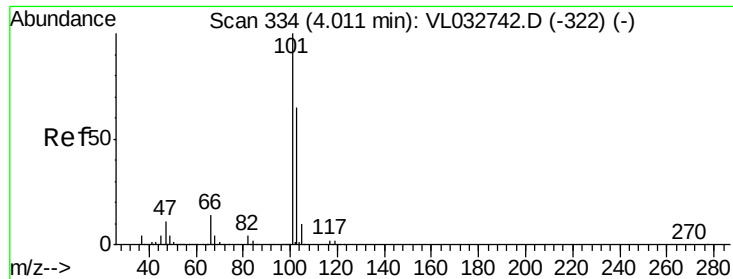
Tgt Ion: 43 Resp: 1706810

Ion Ratio Lower Upper

43 100

57 52.4 41.8 62.8





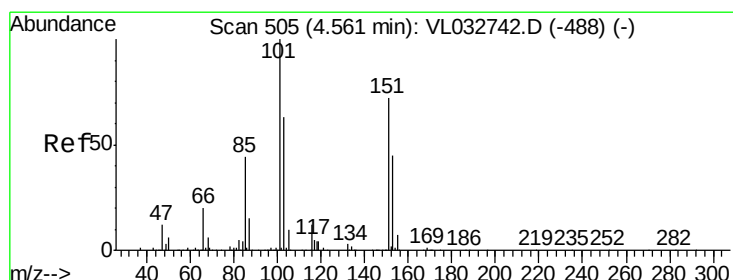
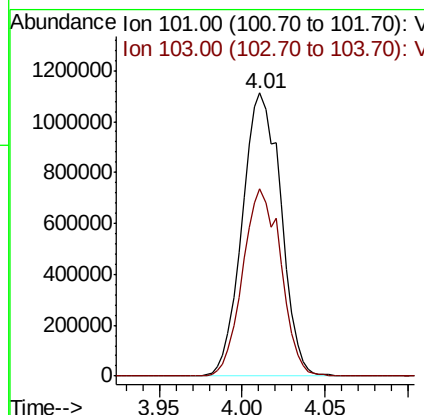
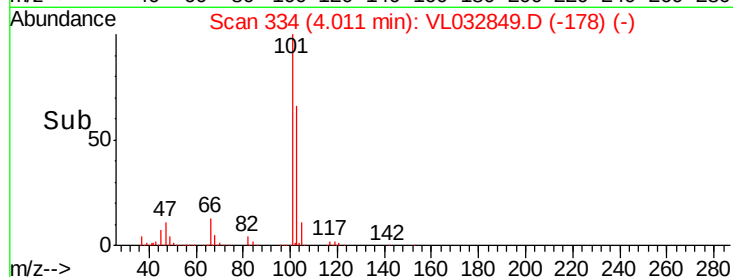
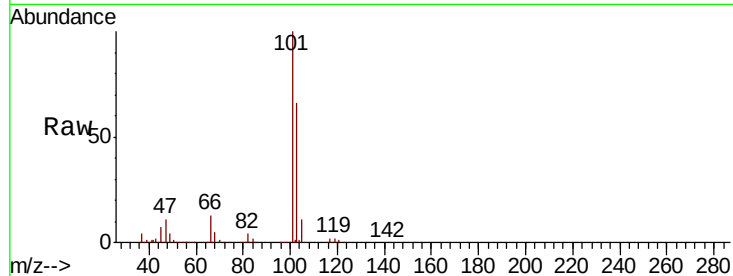
#11
 Trichlorofluoromethane
 Concen: 9.738 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion:101 Resp: 1803418
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.6 77.4

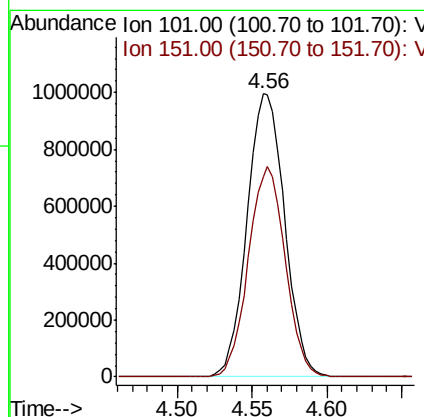
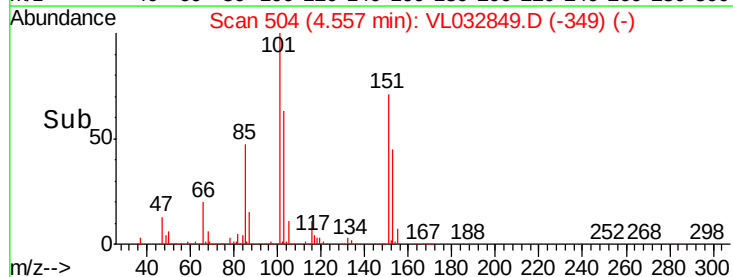
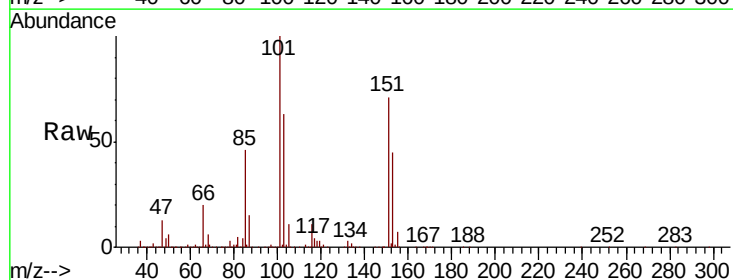
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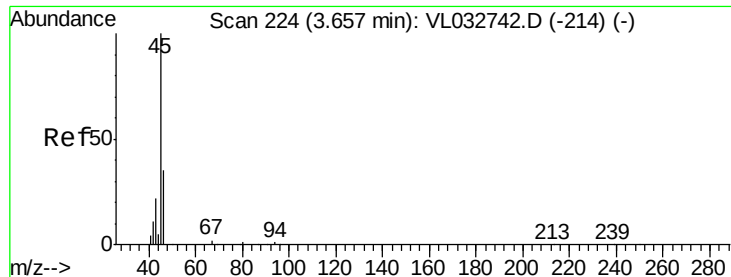
MMDadoda
 12/3/2018 4:15:04 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.523 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion:101 Resp: 1743024
 Ion Ratio Lower Upper
 101 100
 151 73.0 56.7 85.1





#13

Ethanol

Concen: 7.770 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 45 Resp: 110377

Ion Ratio Lower Upper

45 100

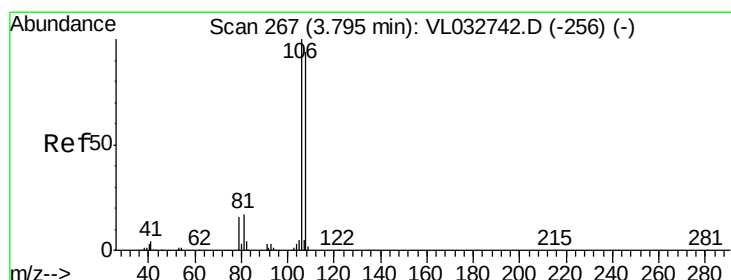
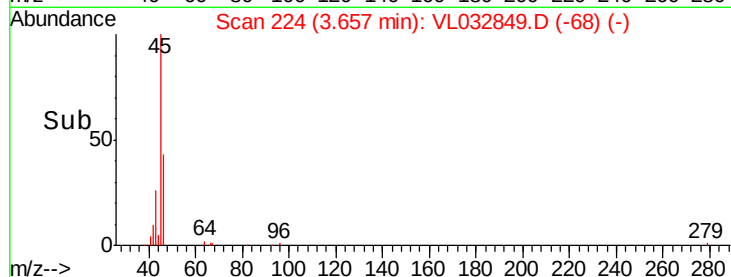
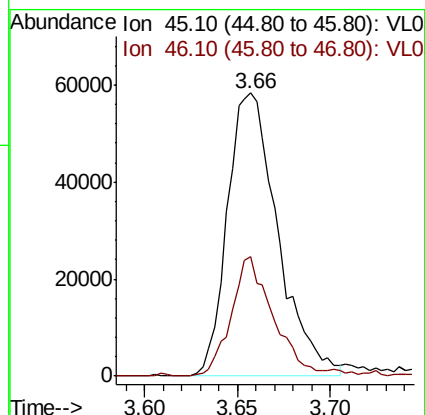
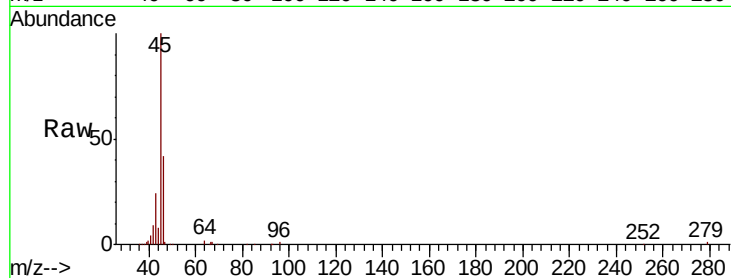
46 36.9 14.5 57.9

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#14

Bromoethene

Concen: 10.005 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

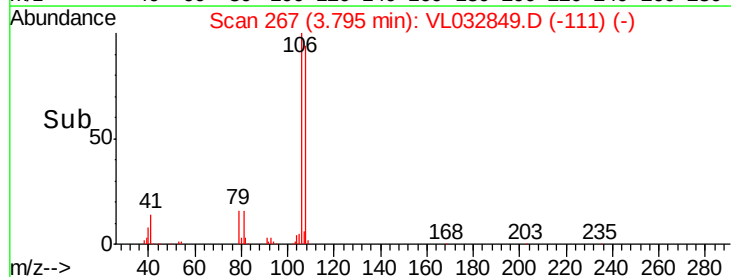
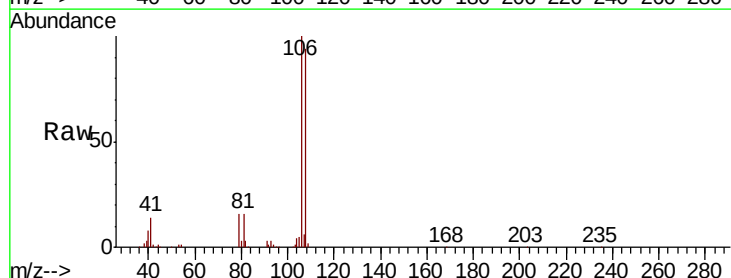
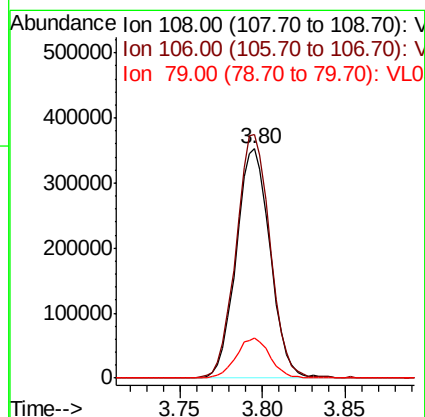
Tgt Ion: 108 Resp: 502107

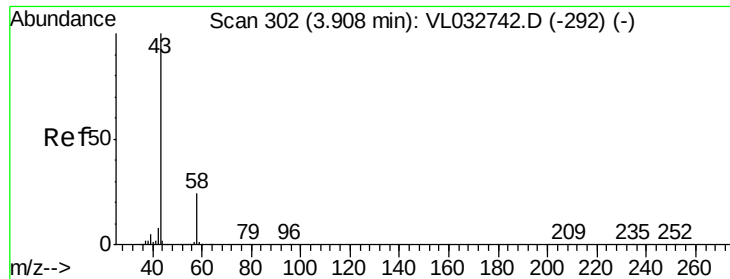
Ion Ratio Lower Upper

108 100

106 107.0 84.9 127.3

79 18.0 14.2 21.4





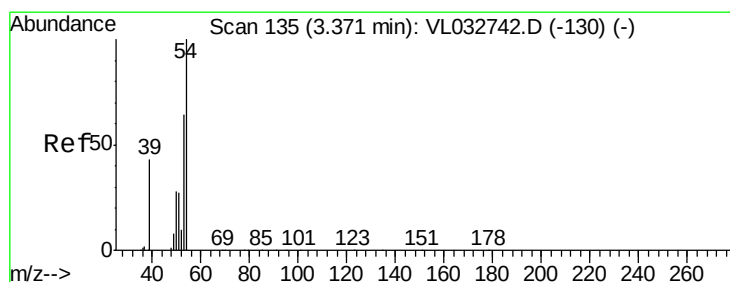
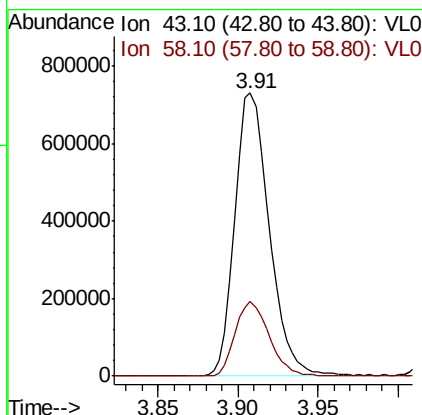
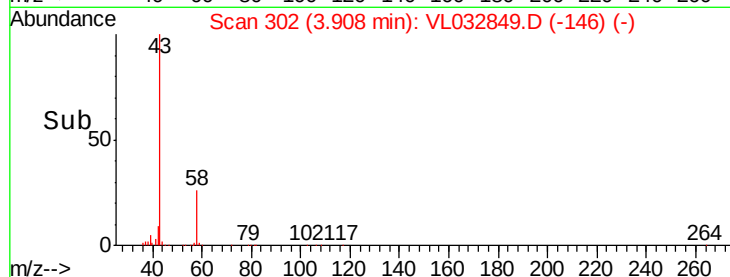
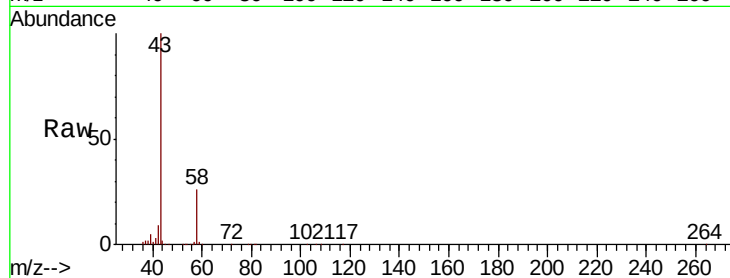
#15
Acetone
Concen: 8.552 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion: 43 Resp: 1067696
Ion Ratio Lower Upper
43 100
58 26.3 21.1 31.7

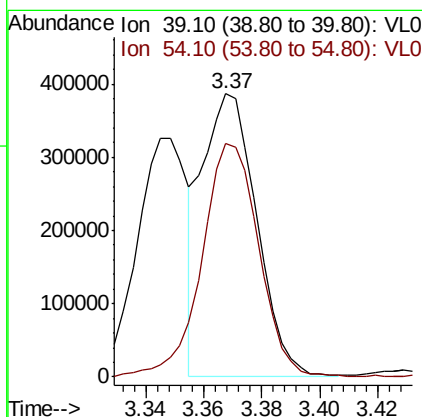
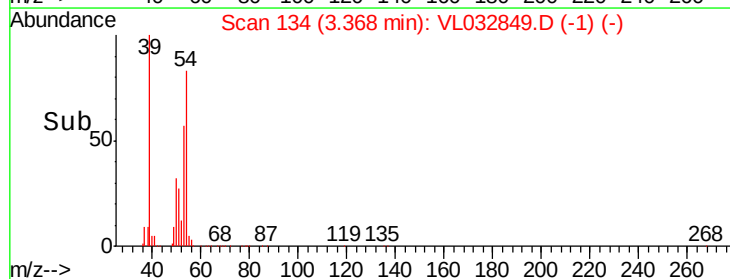
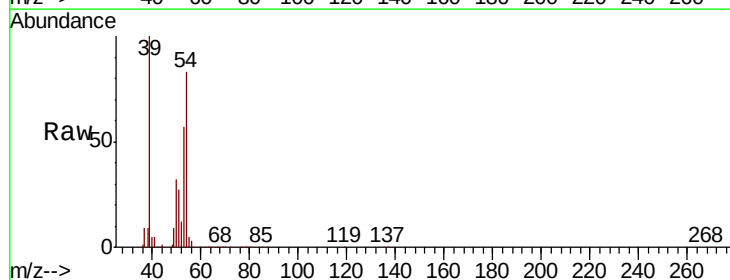
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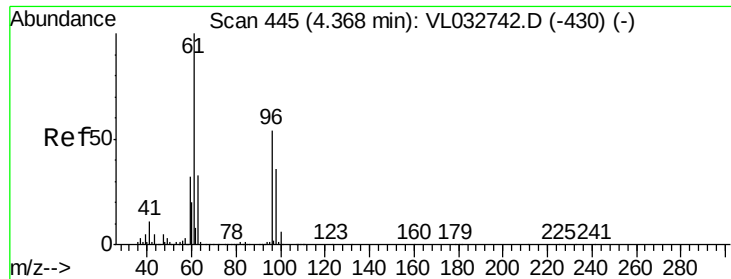
MMDadoda
12/3/2018 4:15:04 PM



#16
1,3-Butadiene
Concen: 10.355 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 39 Resp: 500613
Ion Ratio Lower Upper
39 100
54 87.2 68.9 103.3





#17

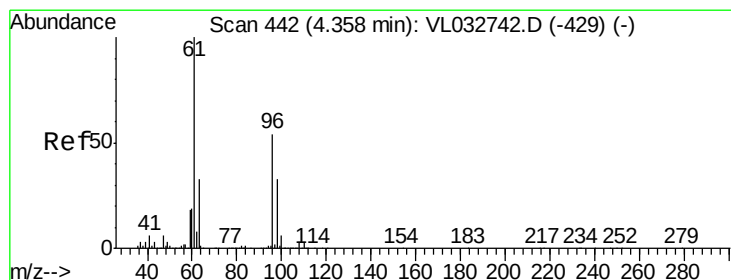
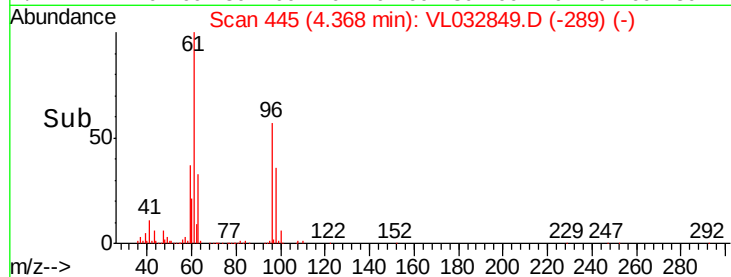
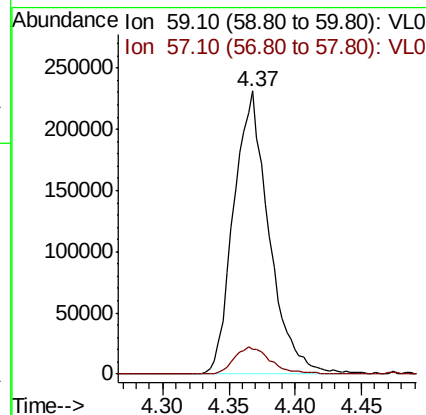
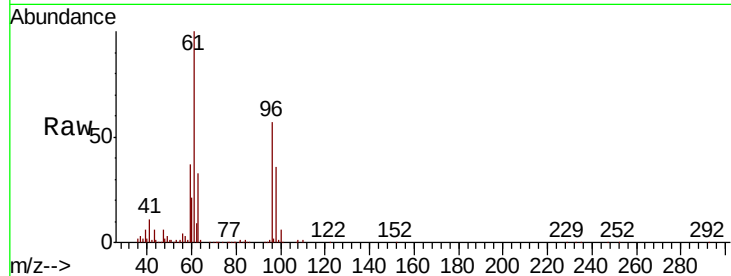
tert-Butyl alcohol
 Concen: 10.987 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	59	Resp	430181
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

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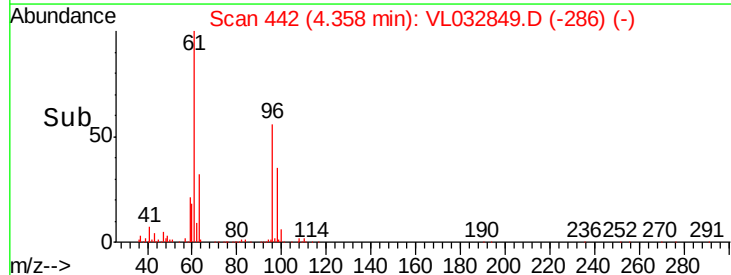
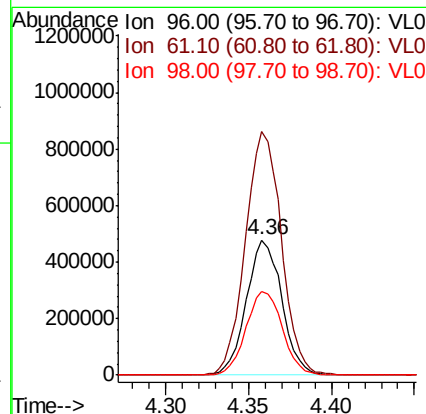
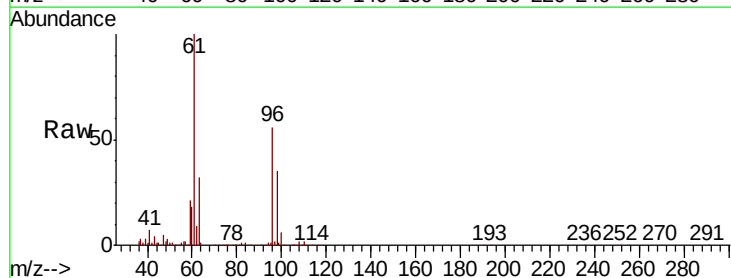
MMDadoda
 12/3/2018 4:15:04 PM

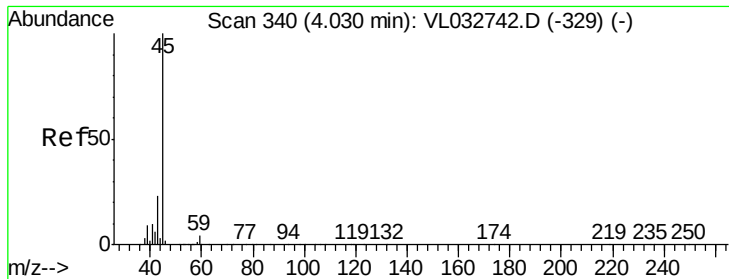


#18

1,1-Dichloroethene
 Concen: 9.493 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	96	Resp	706116
Ion	Ratio	Lower	Upper
96	100		
61	179.8	148.5	222.7
98	62.2	48.6	72.8





#19

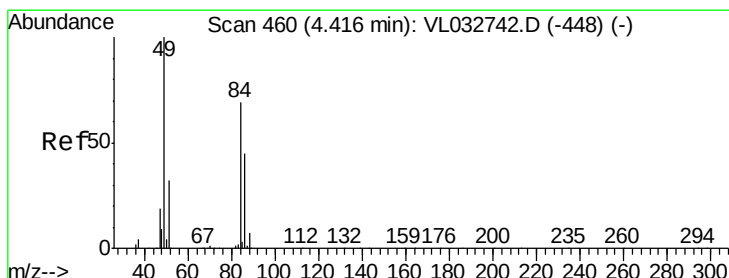
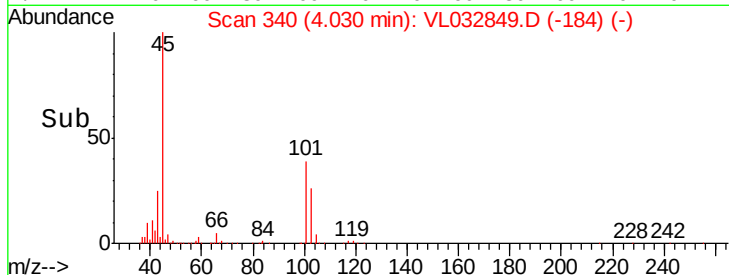
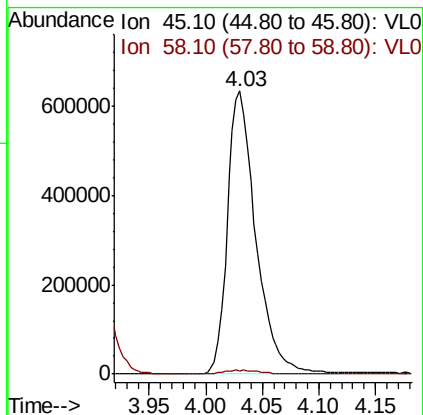
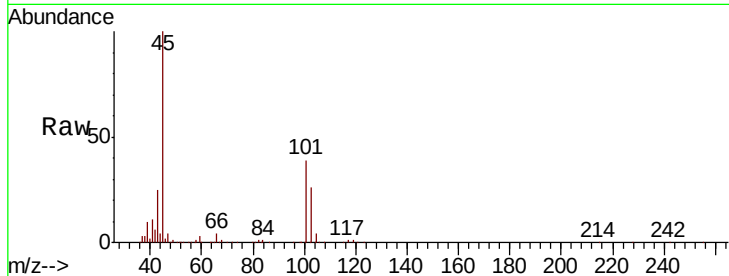
Isopropyl Alcohol
 Concen: 13.326 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion: 45 Resp: 1108256
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.4 2.0

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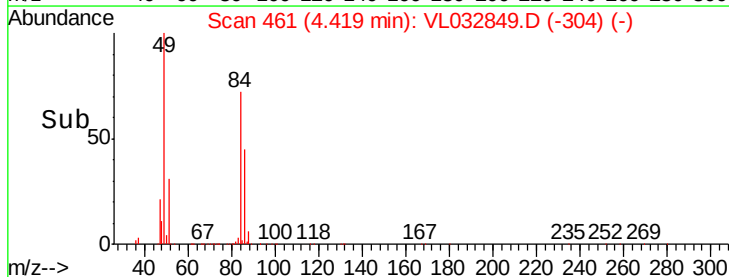
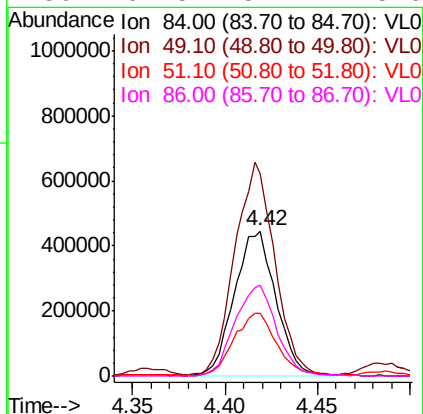
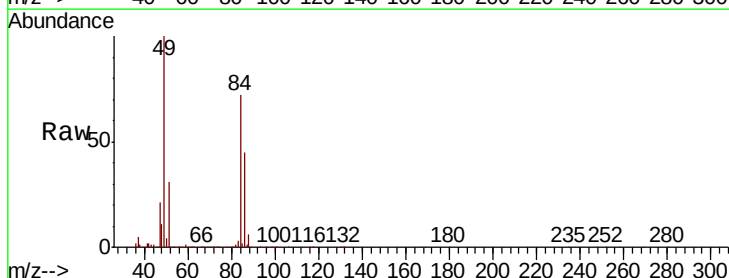
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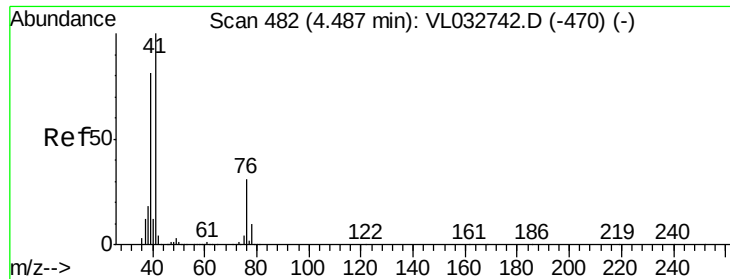


#20

Methylene Chloride
 Concen: 10.665 ppbv
 RT: 4.42 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion: 84 Resp: 689292
 Ion Ratio Lower Upper
 84 100
 49 138.4 115.8 173.6
 51 42.6 36.9 55.3
 86 62.5 52.4 78.6





#21

Allvl Chloride

Concen: 11.835 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 41 Resp: 1241685

Ion Ratio Lower Upper

41 100

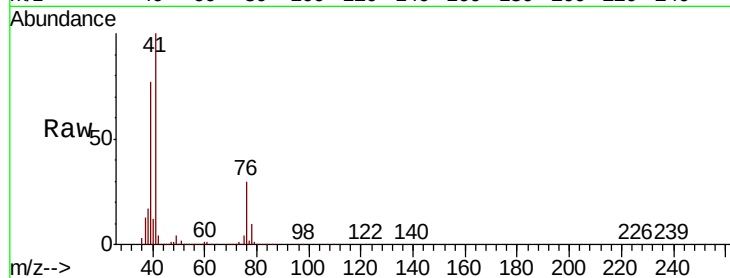
76 31.1 24.4 36.6

39 79.5 63.5 95.3

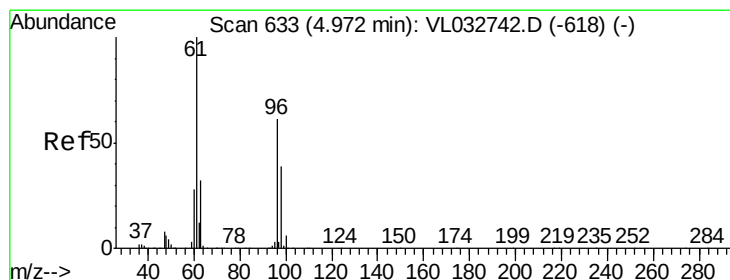
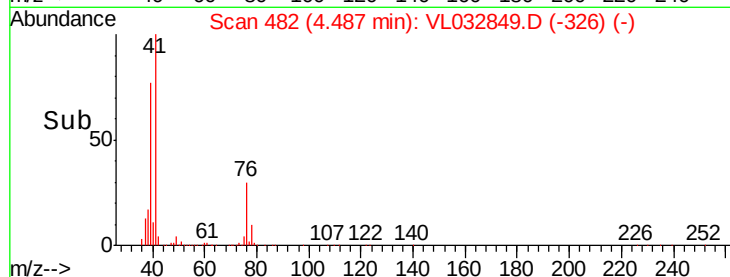
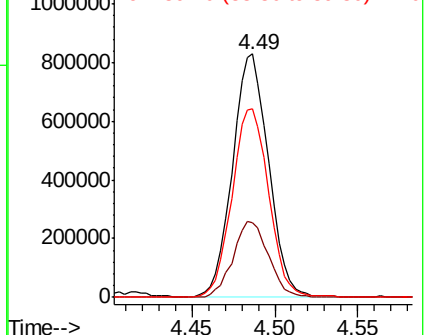
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.992 ppbv

RT: 4.97 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

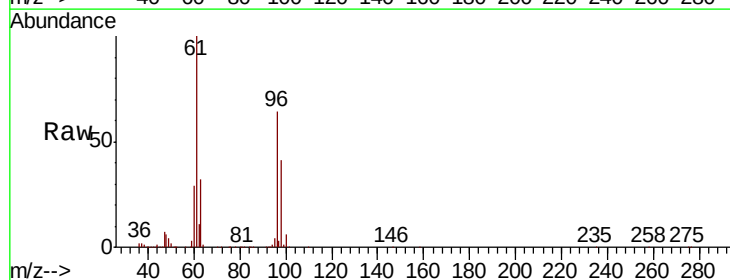
Tgt Ion: 96 Resp: 798398

Ion Ratio Lower Upper

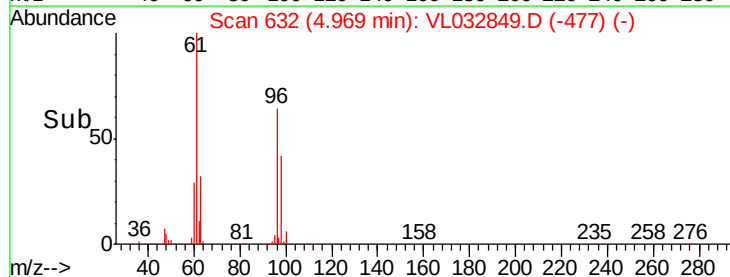
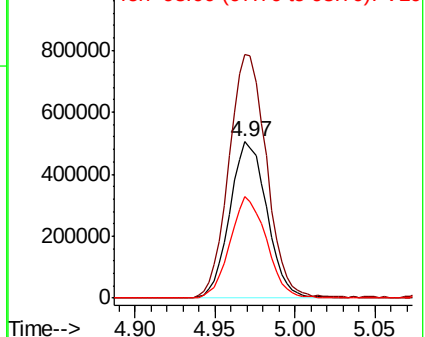
96 100

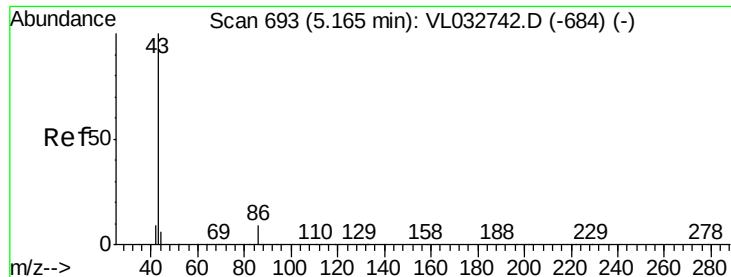
61 155.6 130.2 195.2

98 64.5 50.2 75.2



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.169 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 43 Resp: 2314229

Ion Ratio Lower Upper

43 100

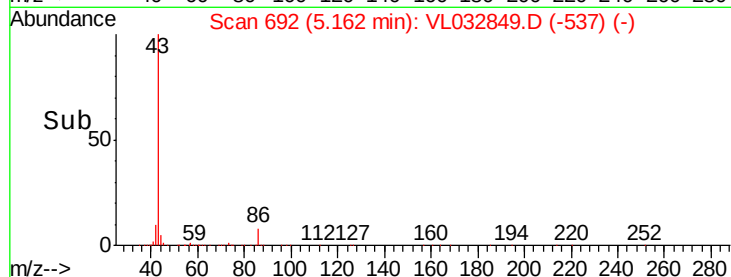
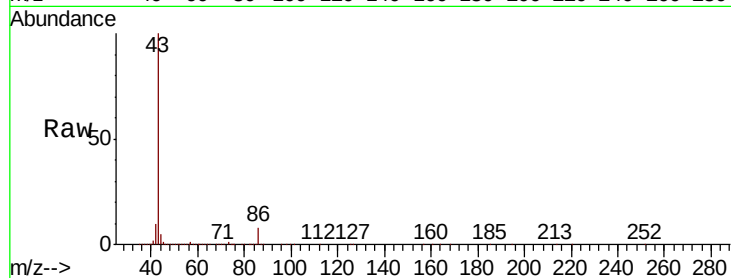
86 7.6 6.2 9.4

42 10.0 7.8 11.6

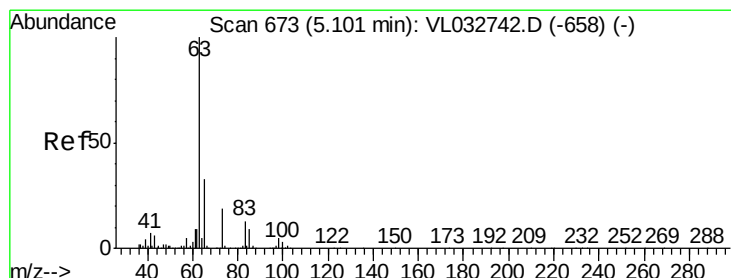
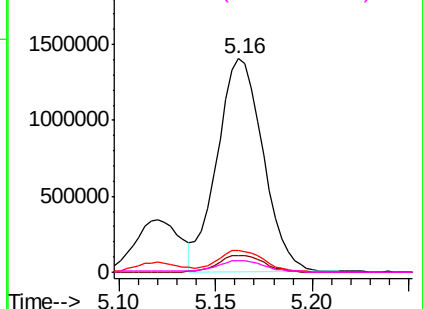
44 4.9 4.4 6.6

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



#24

1,1-Dichloroethane

Concen: 10.602 ppbv

RT: 5.10 min Scan# 672

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

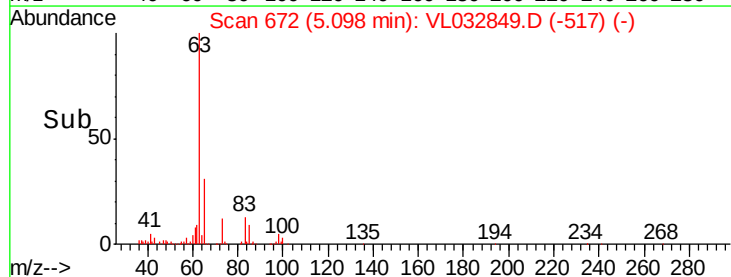
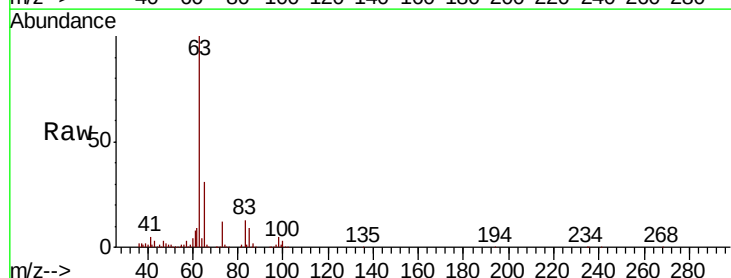
Tgt Ion: 63 Resp: 1918243

Ion Ratio Lower Upper

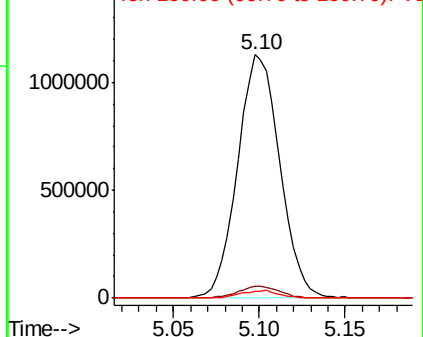
63 100

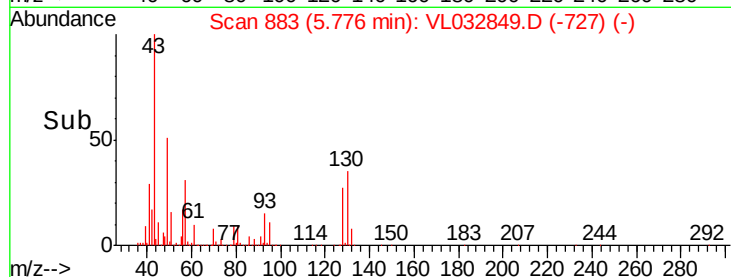
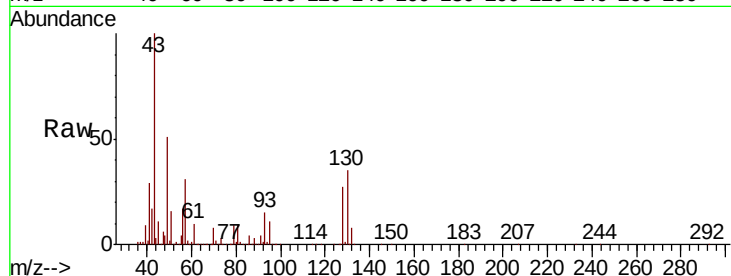
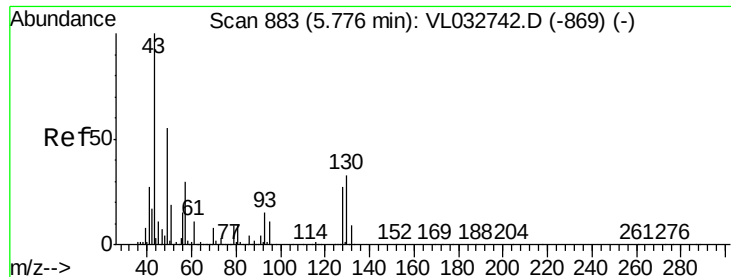
98 4.7 2.3 6.8

100 2.8 1.4 4.2



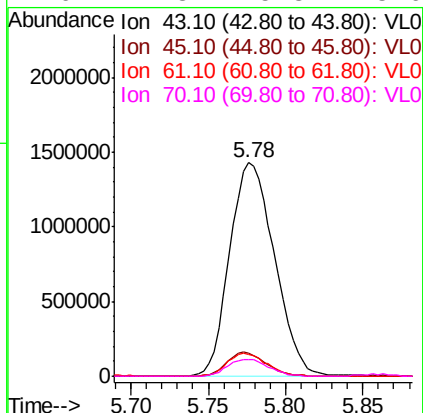
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.852 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

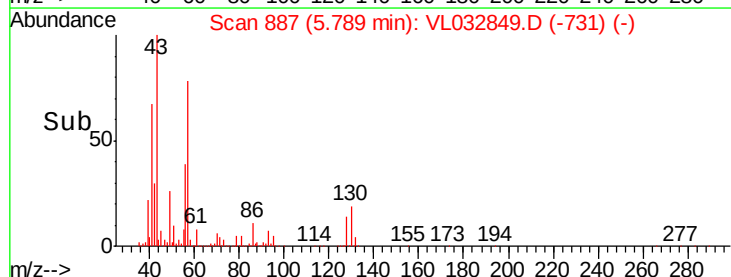
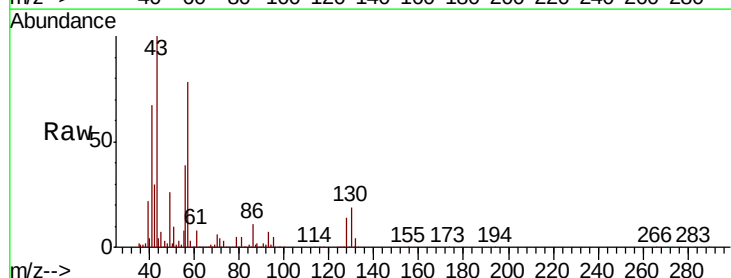
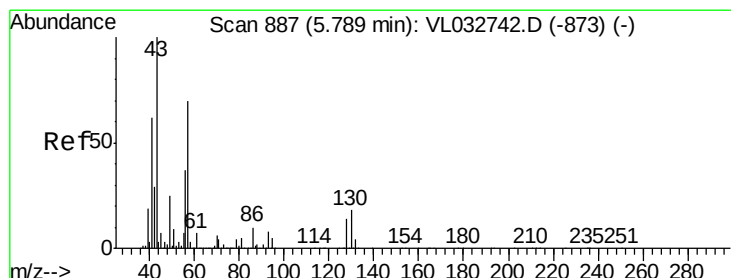
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.9	7.9	11.9	
61	9.4	7.8	11.6	
70	7.3	5.8	8.6	



Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

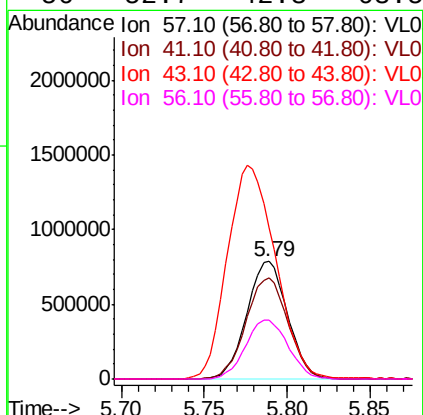
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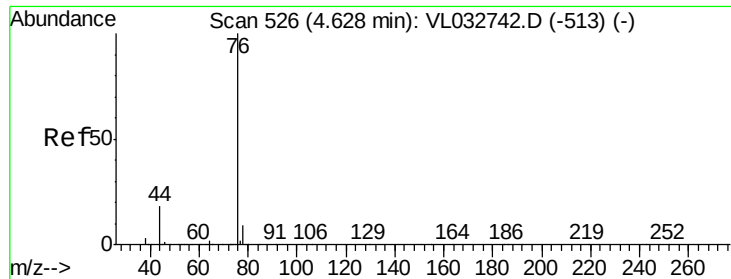
MMDadoda
12/3/2018 4:15:04 PM



#26
Hexane
Concen: 10.363 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.4	70.3	105.5	
43	215.7	174.0	261.0	
56	52.7	42.3	63.5	





#27

Carbon Disulfide

Concen: 12.056 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 76 Resp: 1980092

Ion Ratio Lower Upper

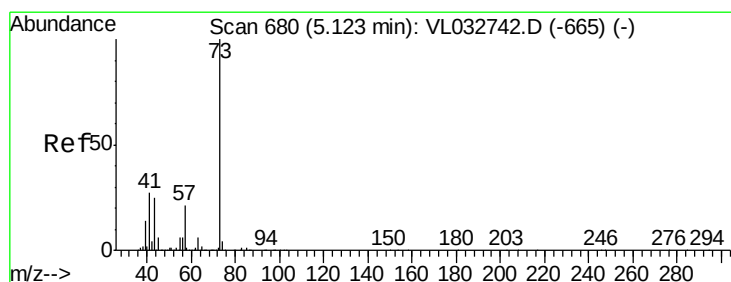
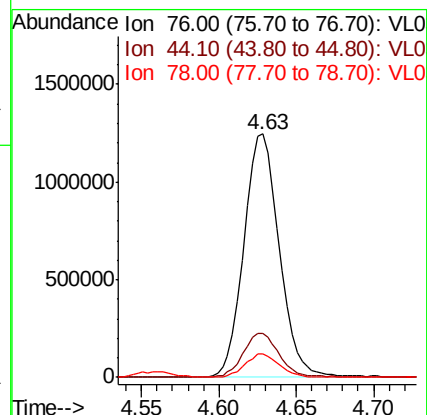
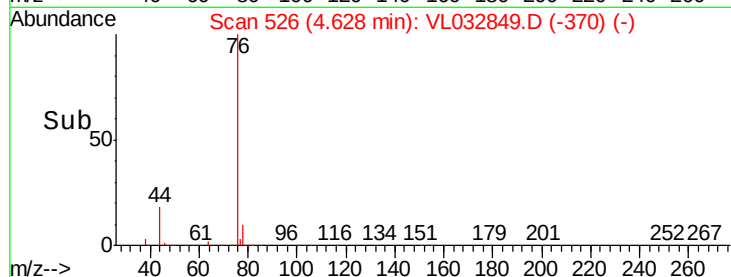
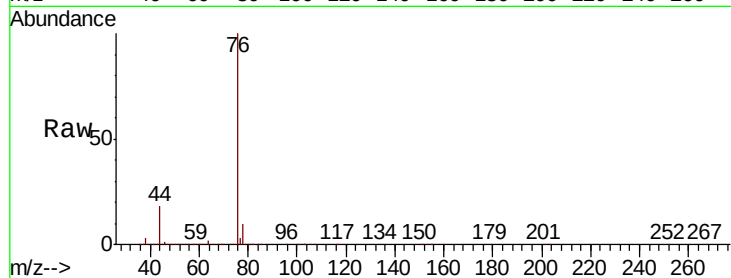
76 100

44 18.4 14.4 21.6

78 9.3 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 11.404 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032849.D

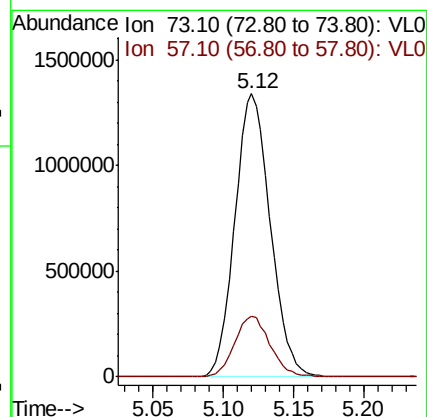
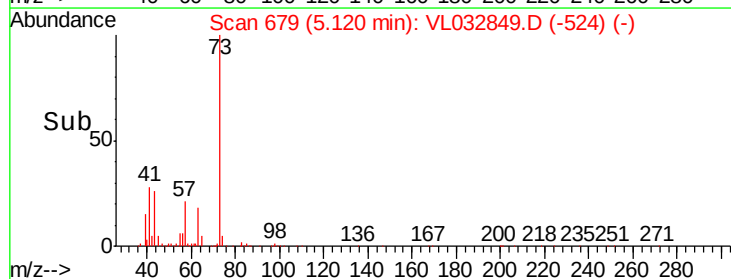
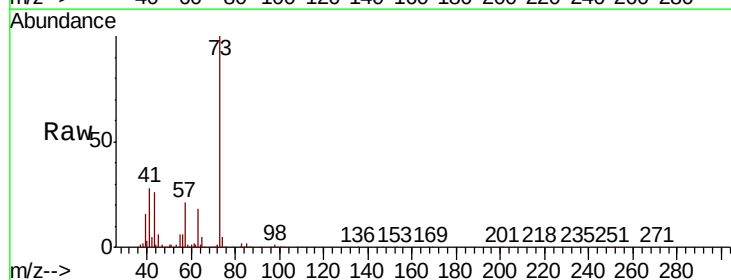
Acq: 30 Nov 2018 15:08

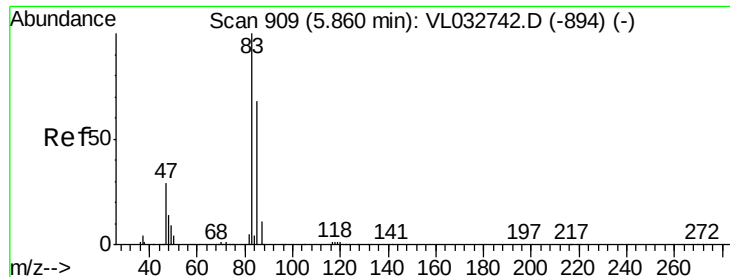
Tgt Ion: 73 Resp: 2355544

Ion Ratio Lower Upper

73 100

57 21.6 17.5 26.3





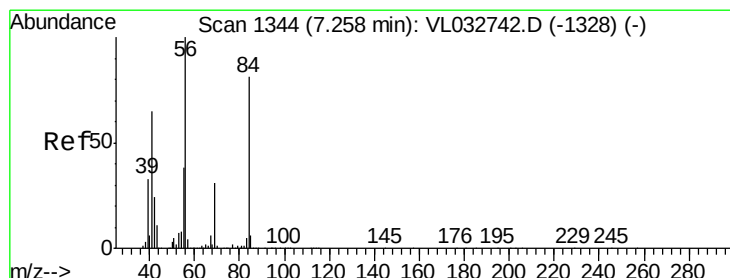
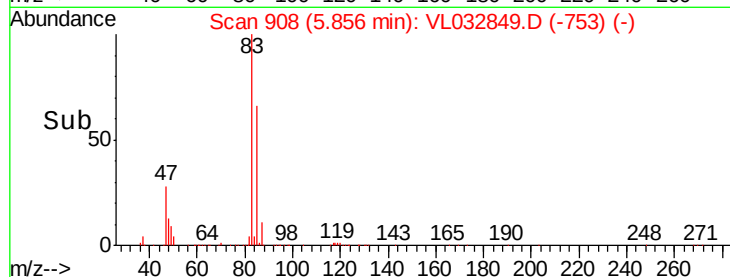
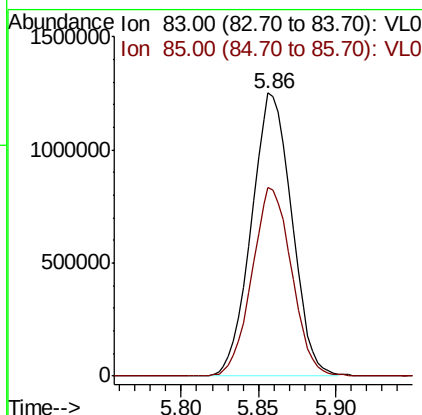
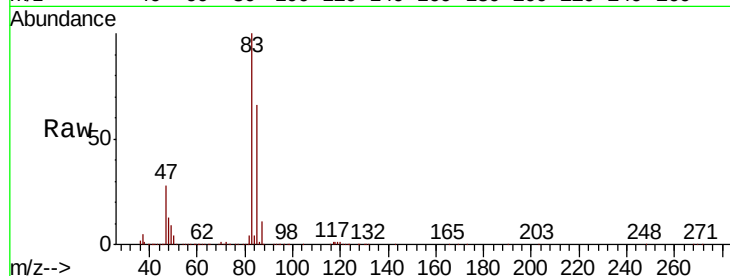
#29
Chloroform
Concen: 9.845 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion: 83 Resp: 2272764
Ion Ratio Lower Upper
83 100
85 66.3 54.2 81.4

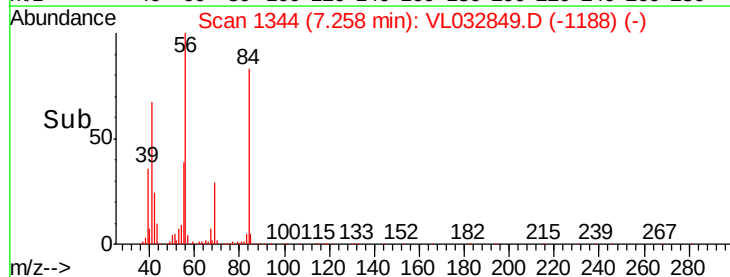
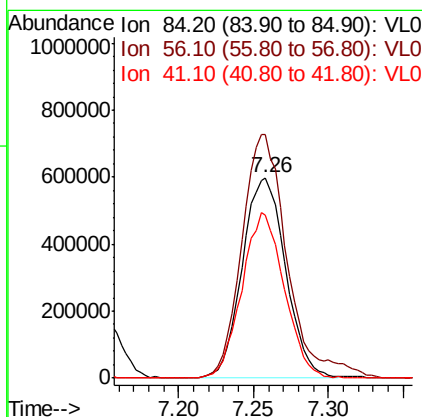
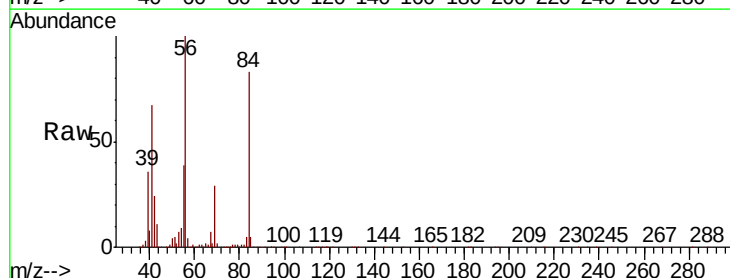
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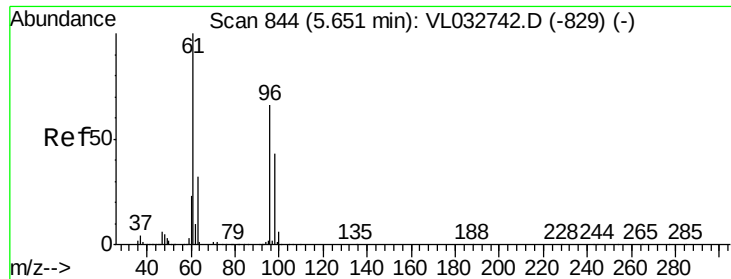
MMDadoda
12/3/2018 4:15:04 PM



#30
Cyclohexane
Concen: 10.661 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 84 Resp: 1207733
Ion Ratio Lower Upper
84 100
56 127.8 105.0 157.4
41 80.6 65.3 97.9





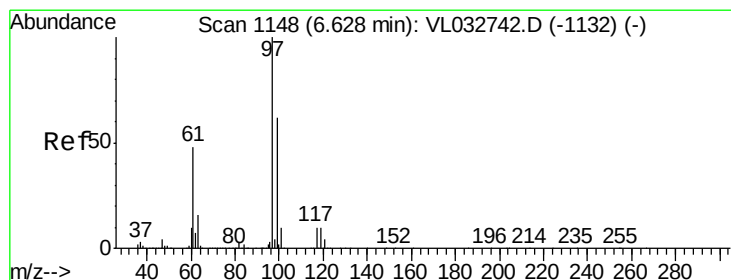
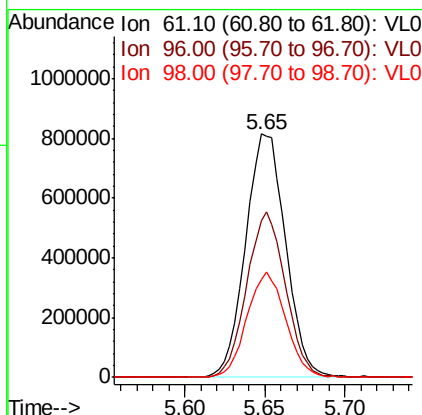
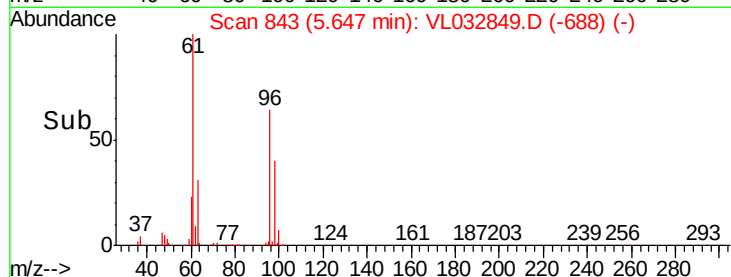
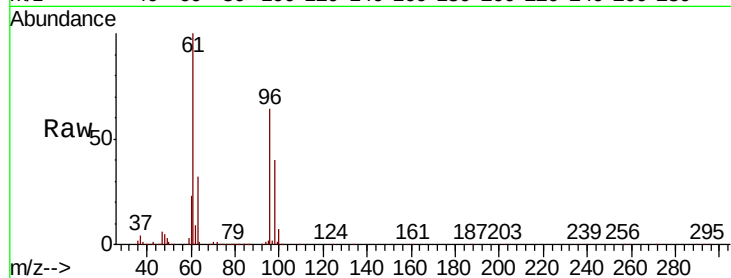
#31
 cis-1,2-Dichloroethene
 Concen: 10.667 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion: 61 Resp: 1389074
 Ion Ratio Lower Upper
 61 100
 96 64.4 53.2 79.8
 98 40.2 34.4 51.6

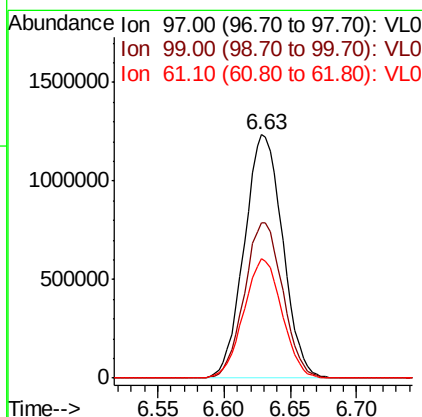
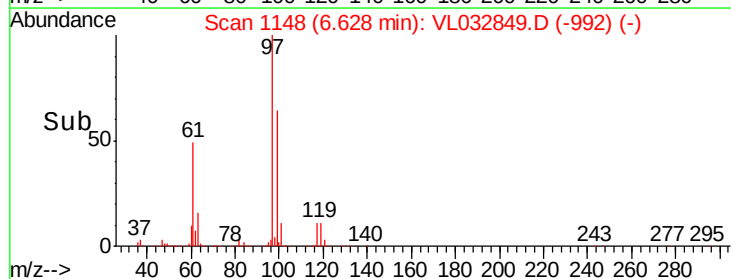
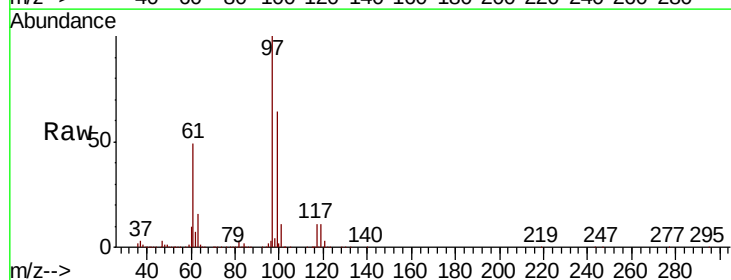
Manual Integrations
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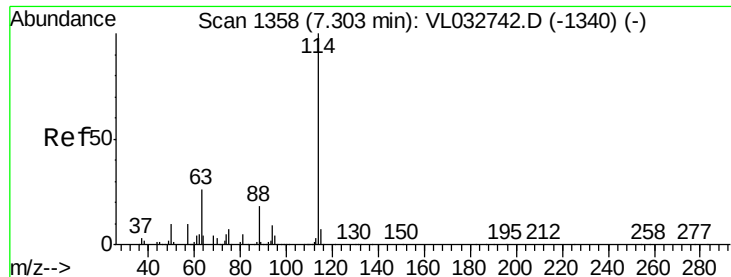
MMDadoda
 12/3/2018 4:15:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.849 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion: 97 Resp: 2492193
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.8 77.6
 61 48.8 39.7 59.5





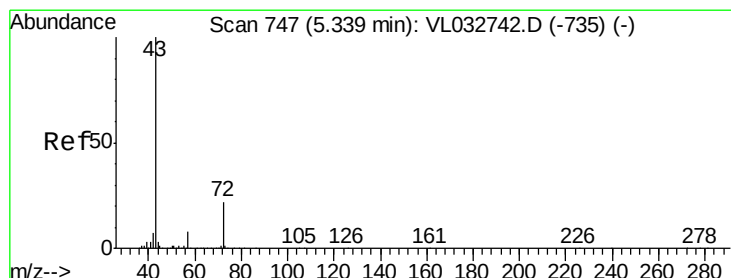
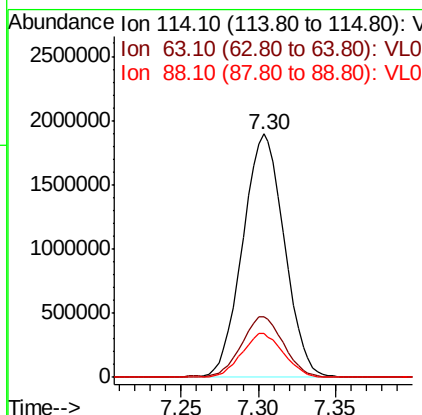
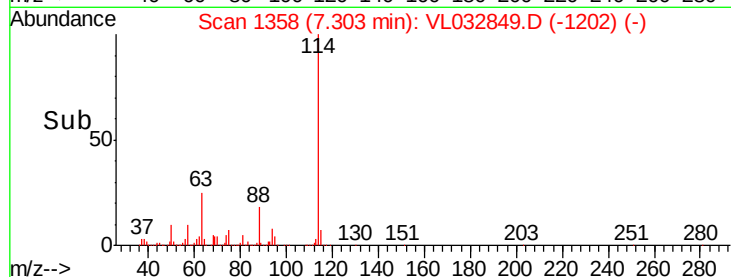
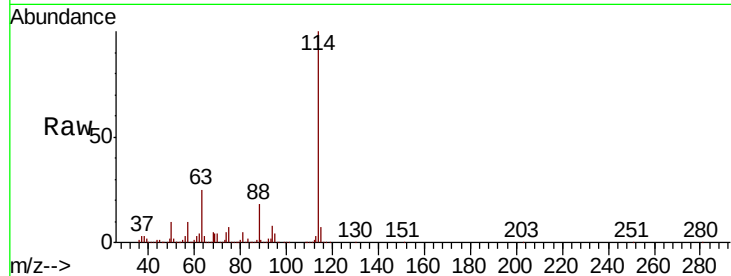
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	18.0	14.4	21.6

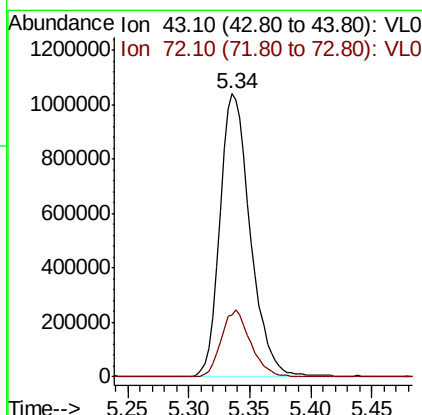
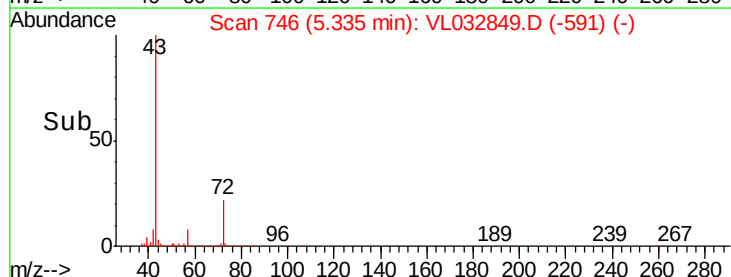
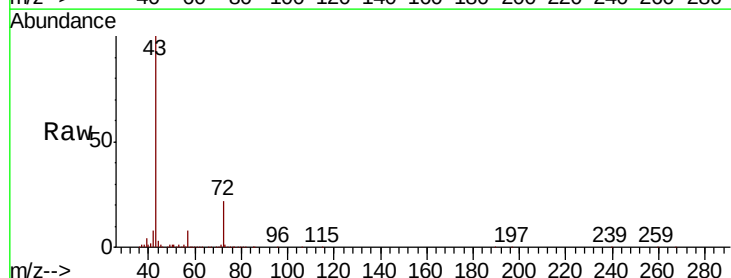
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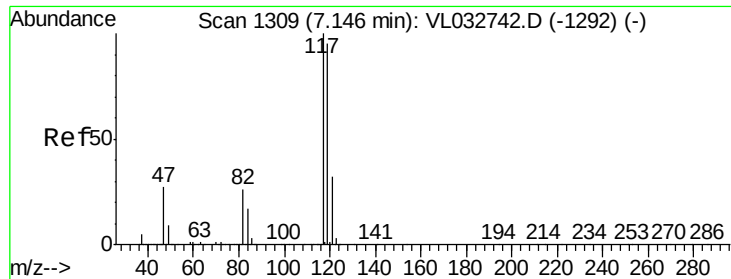
MMDadoda
 12/3/2018 4:15:04 PM



#34
 2-Butanone
 Concen: 9.844 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.464 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:117 Resp: 2703792

Ion Ratio Lower Upper

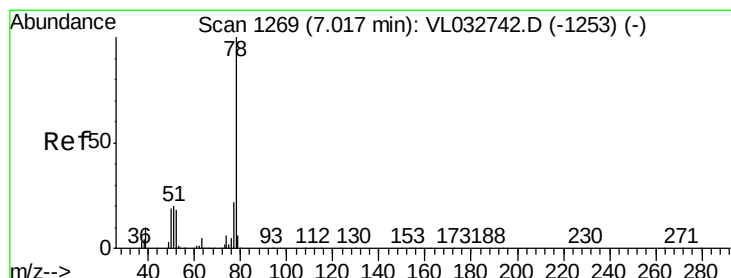
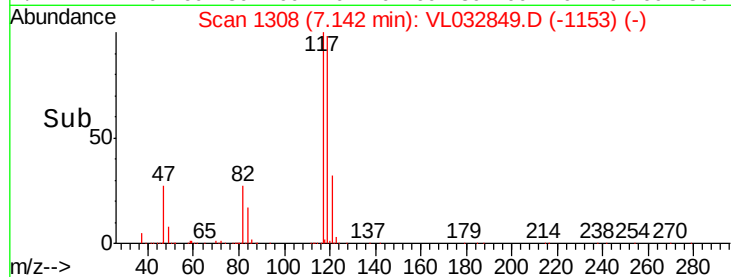
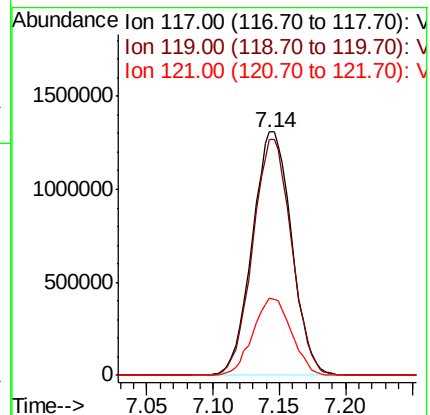
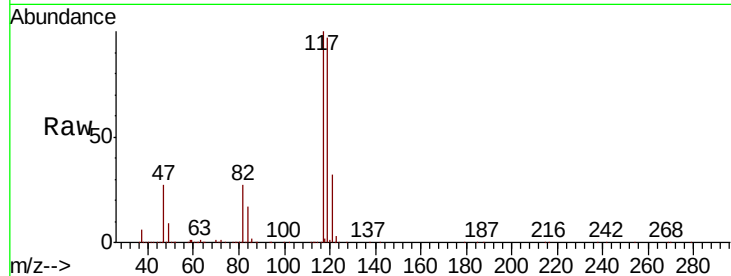
117 100

119 96.8 76.1 114.1

121 31.8 25.4 38.0

Manual Integrations
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#36

Benzene

Concen: 9.964 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

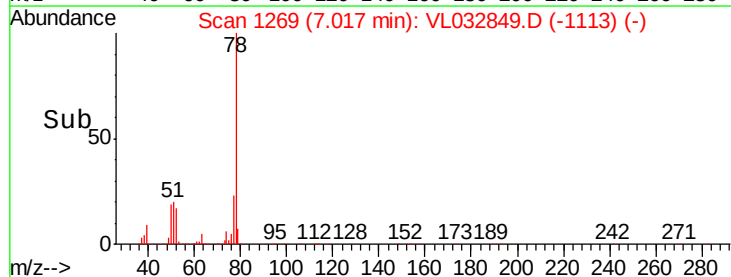
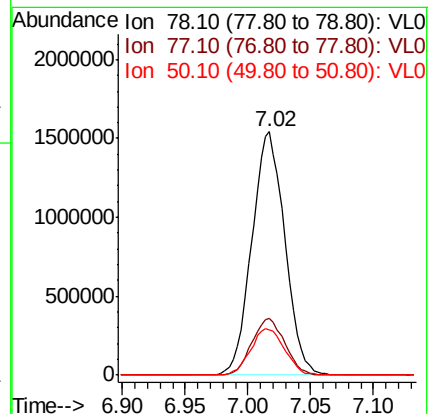
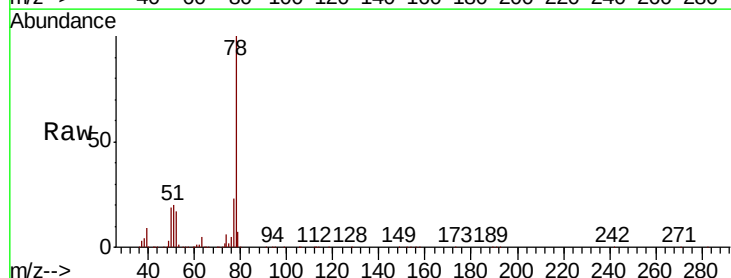
Tgt Ion: 78 Resp: 2819891

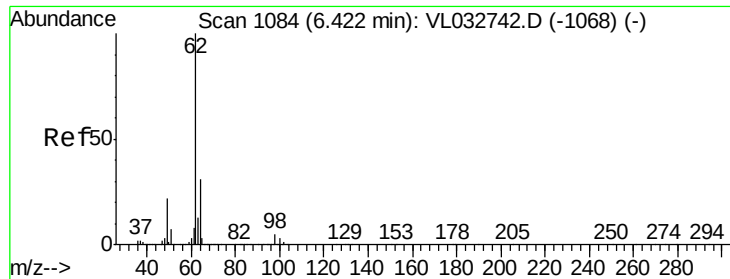
Ion Ratio Lower Upper

78 100

77 23.3 17.8 26.8

50 18.8 15.4 23.0





#37

1,2-Dichloroethane

Concen: 9.864 ppbv

RT: 6.42 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 62 Resp: 1879124

Ion Ratio Lower Upper

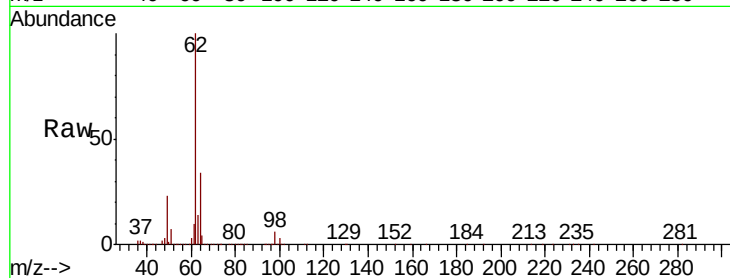
62 100

98 5.6 4.5 6.7

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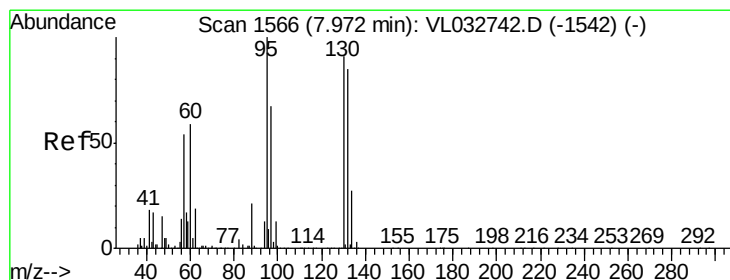
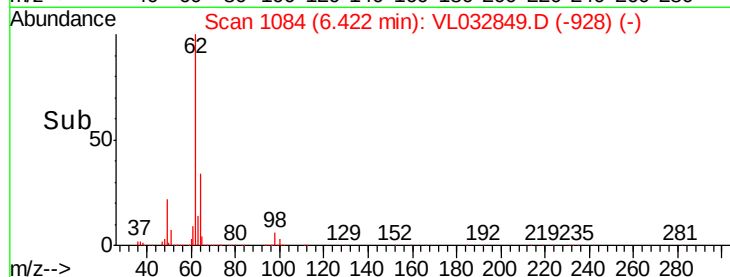
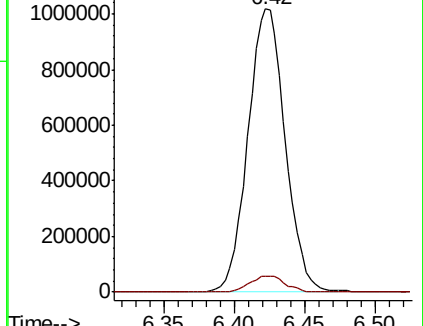
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.532 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Tgt Ion:130 Resp: 1206221

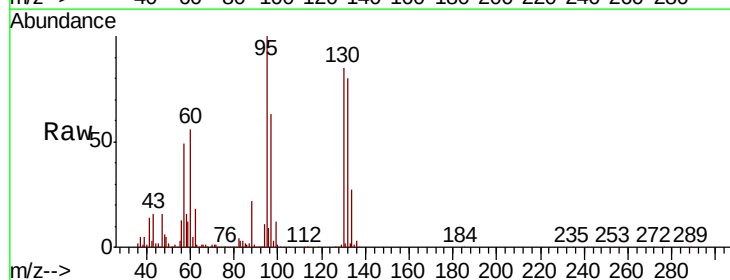
Ion Ratio Lower Upper

130 100

95 117.5 87.7 131.5

132 94.5 74.6 111.8

97 74.1 58.3 87.5

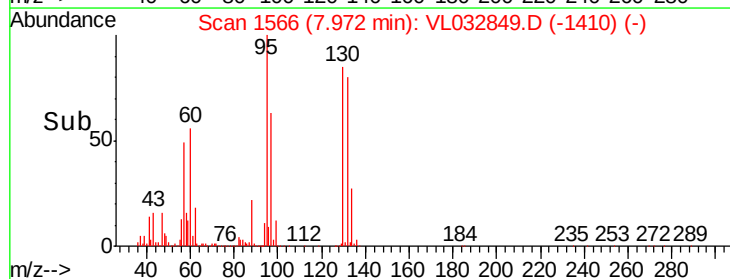
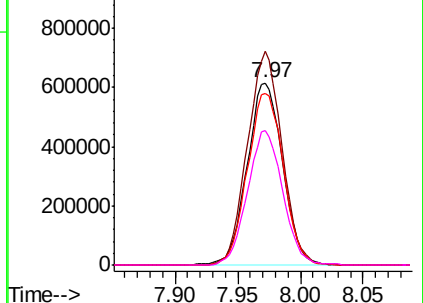


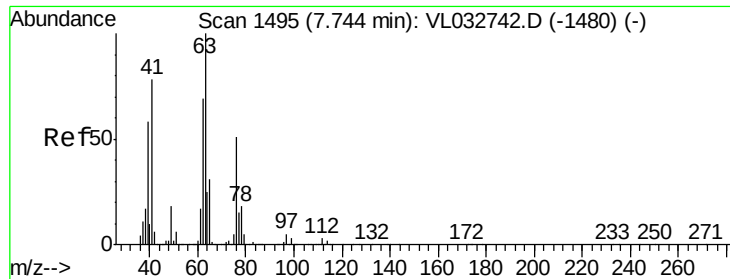
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.731 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 63 Resp: 1049265

Ion Ratio Lower Upper

63 100

41 78.9 62.0 93.0

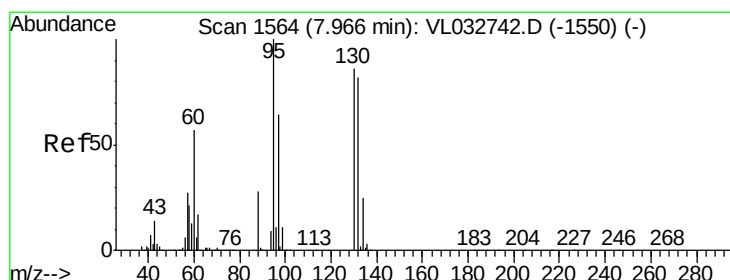
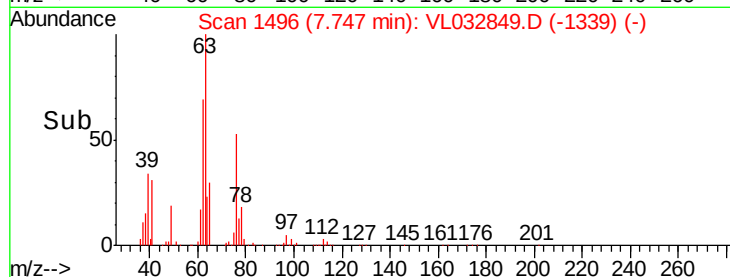
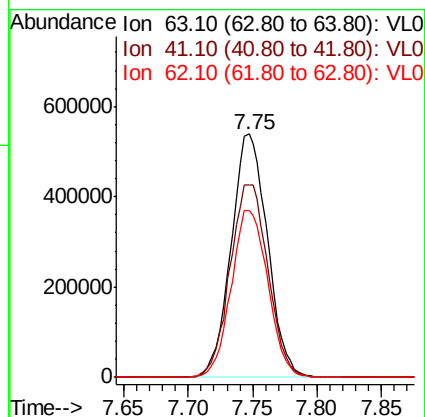
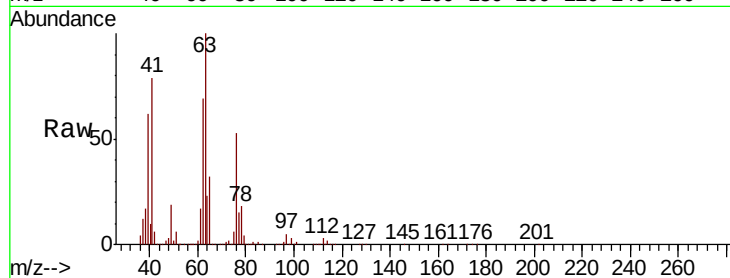
62 68.6 55.4 83.2

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#40

1,4-Dioxane

Concen: 10.162 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Tgt Ion: 88 Resp: 391360

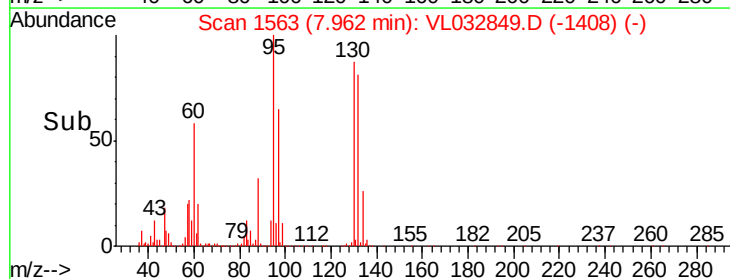
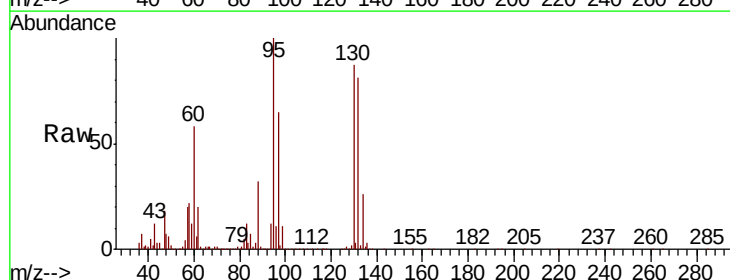
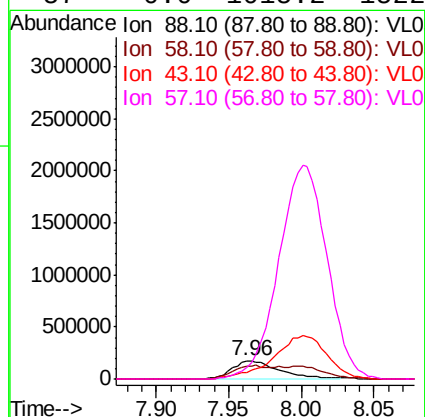
Ion Ratio Lower Upper

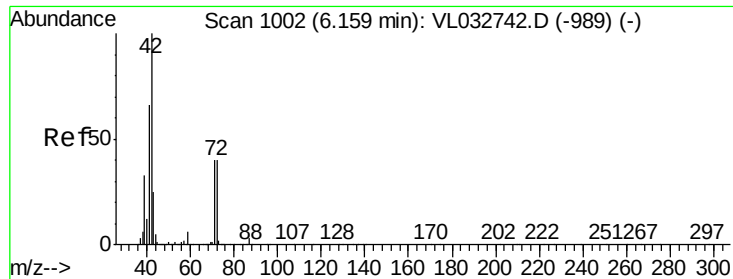
88 100

58 128.6 105.3 157.9

43 0.0 226.1 339.1#

57 0.0 1015.2 1522.8#





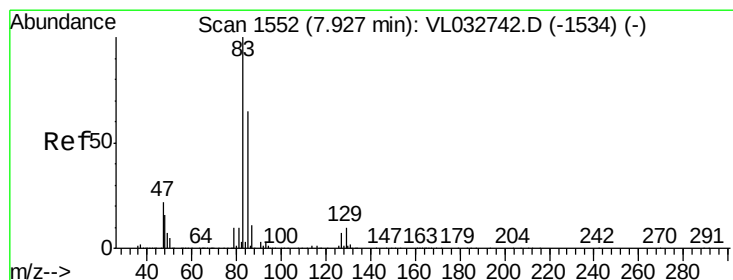
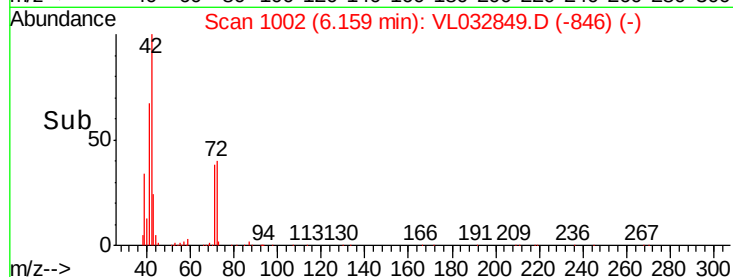
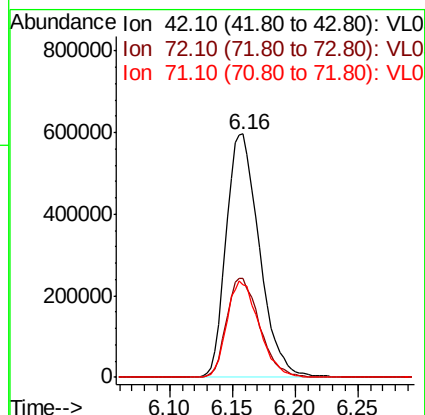
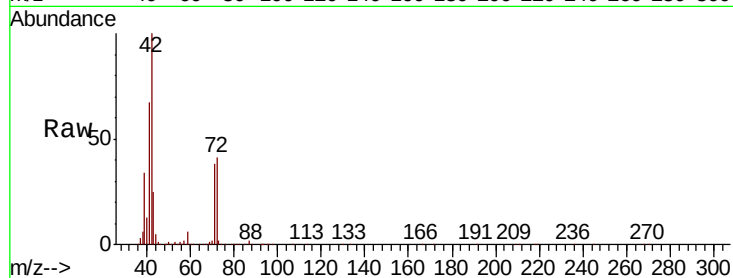
#41
Tetrahydrofuran
Concen: 10.364 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	38.6	31.6	47.4

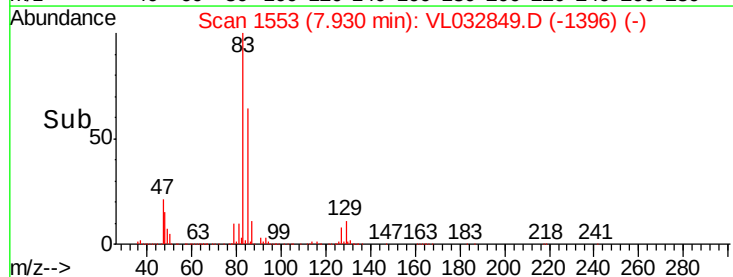
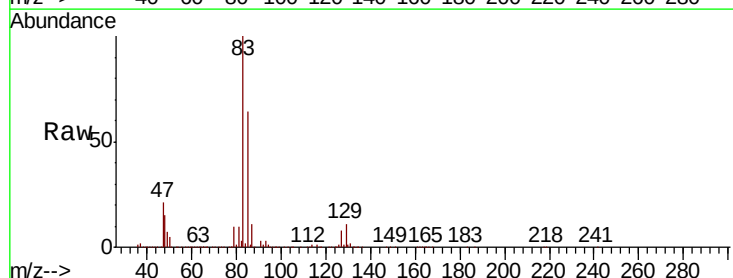
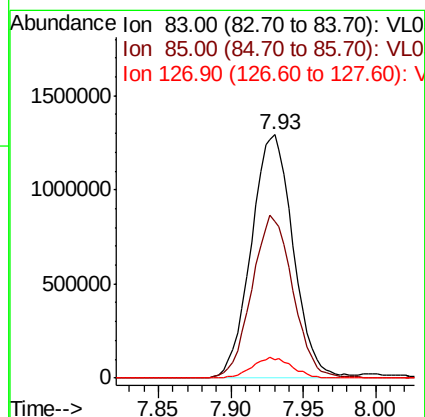
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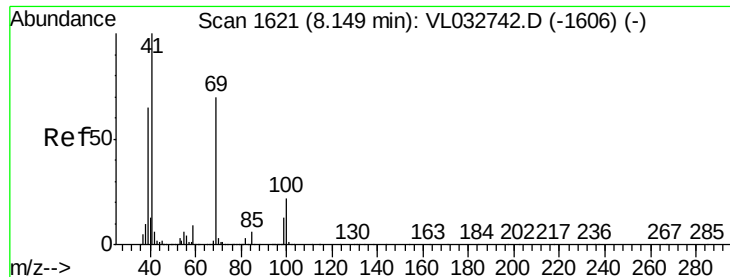
MMDadoda
12/3/2018 4:15:04 PM



#42
Bromodichloromethane
Concen: 10.053 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	7.7	5.9	8.9





#43

Methyl Methacrylate

Concen: 10.677 ppbv

RT: 8.15 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 69 Resp: 1128067

Ion Ratio Lower Upper

69 100

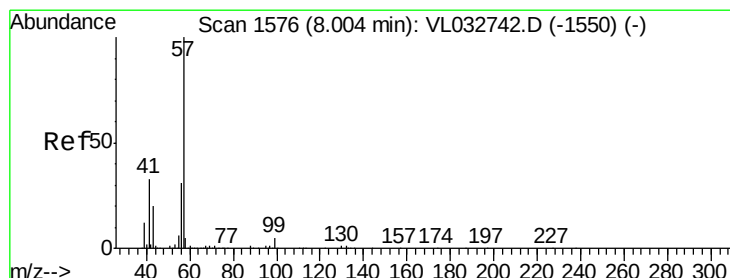
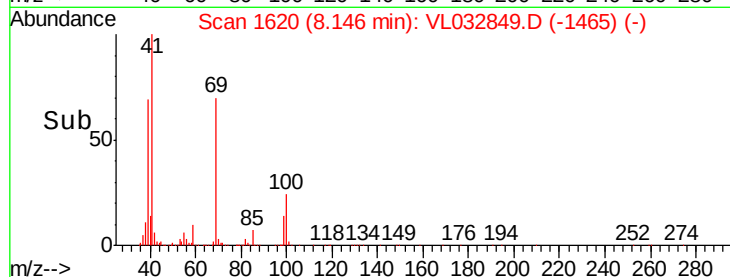
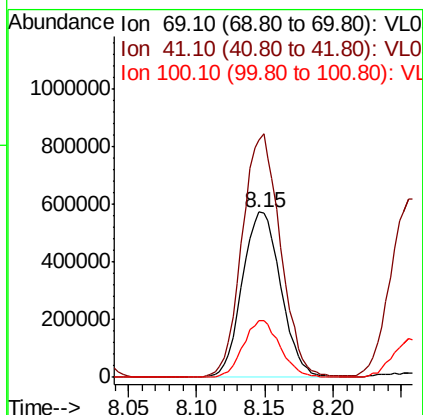
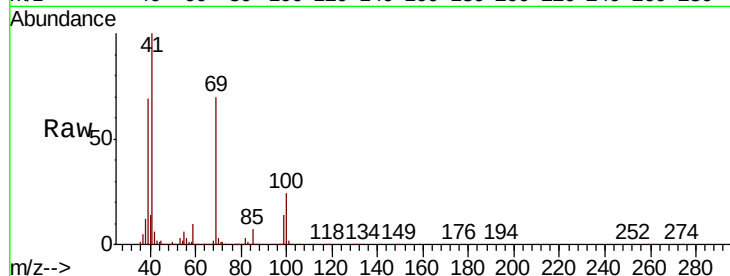
41 145.8 115.0 172.4

100 32.9 25.4 38.0

Manual Integrations
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MMDadoda

12/3/2018 4:15:04 PM



#44

2,2,4-Trimethylpentane

Concen: 10.110 ppbv

RT: 8.00 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

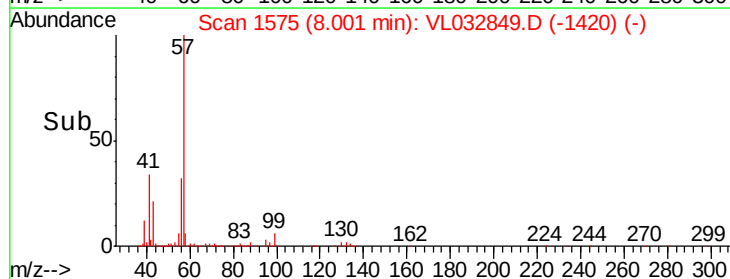
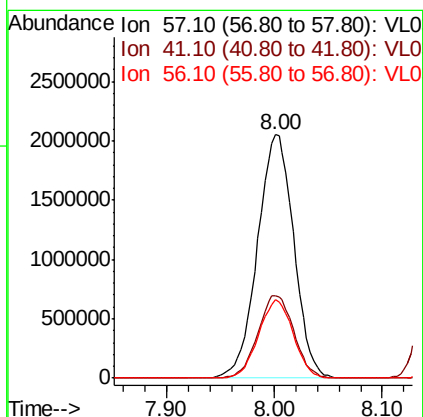
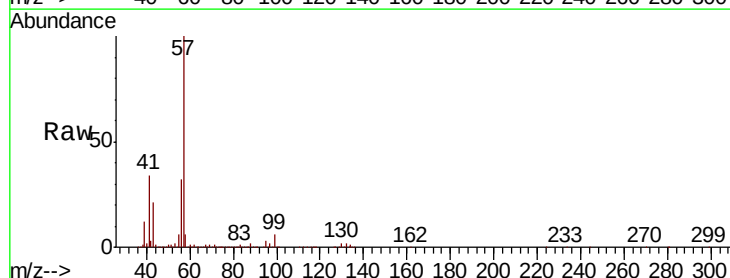
Tgt Ion: 57 Resp: 4781111

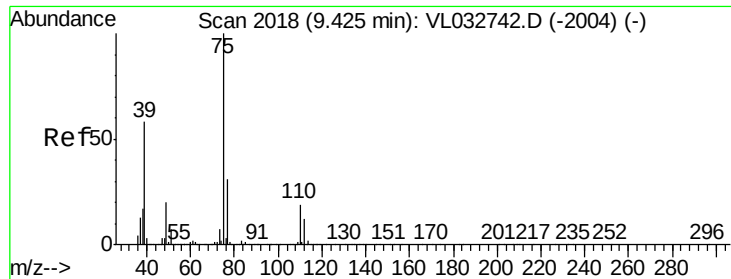
Ion Ratio Lower Upper

57 100

41 33.6 26.6 39.8

56 30.8 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.175 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 75 Resp: 1584309

Ion Ratio Lower Upper

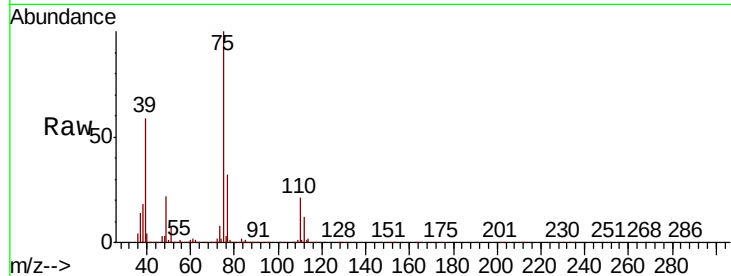
75 100

77 31.6 24.6 36.8

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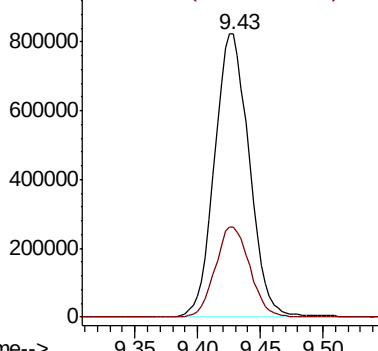
MMDadoda

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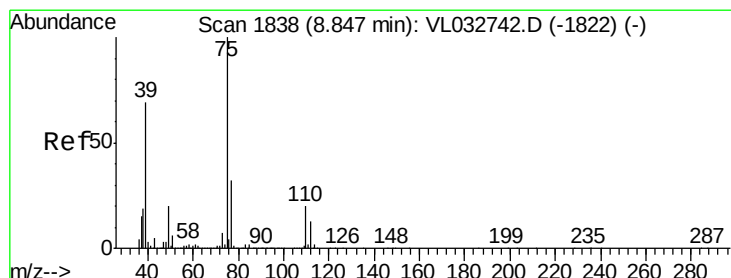
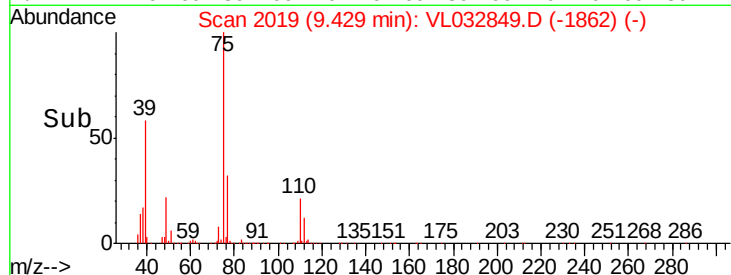


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.628 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

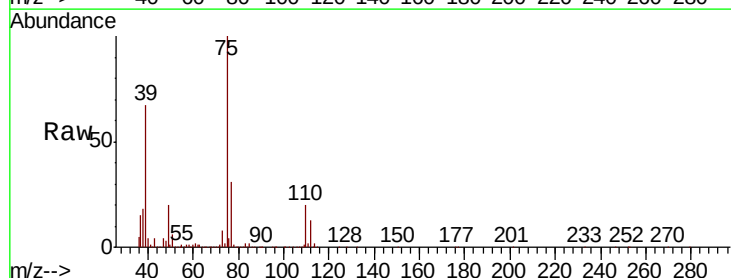
Tgt Ion: 75 Resp: 1820336

Ion Ratio Lower Upper

75 100

39 67.0 55.2 82.8

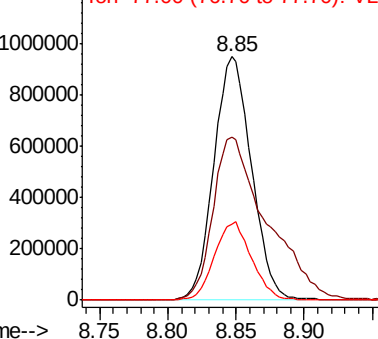
77 31.1 25.8 38.6



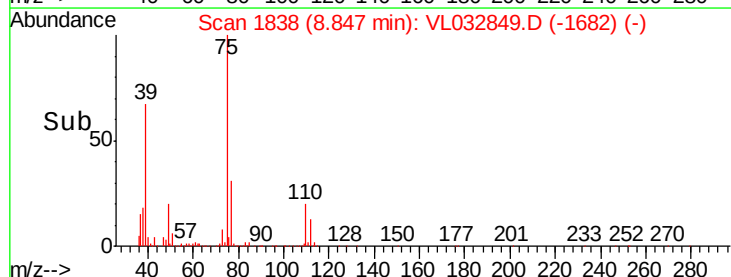
Abundance Ion 75.00 (74.70 to 75.70): VL0

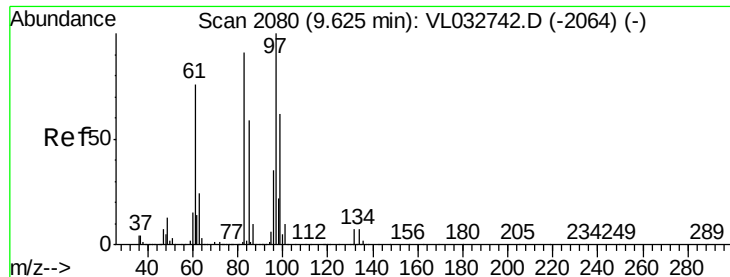
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





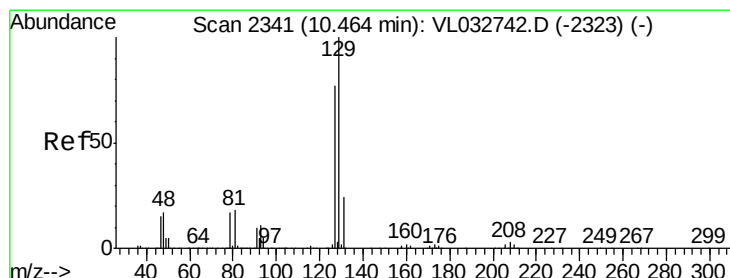
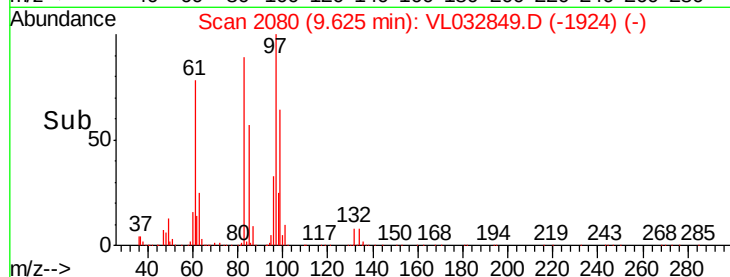
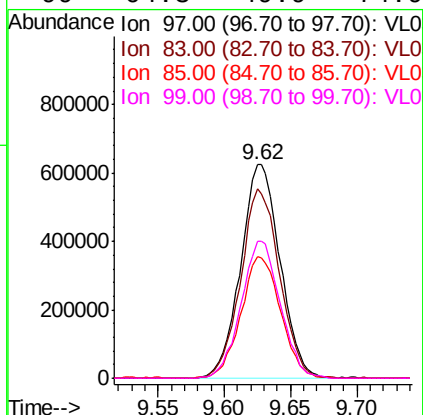
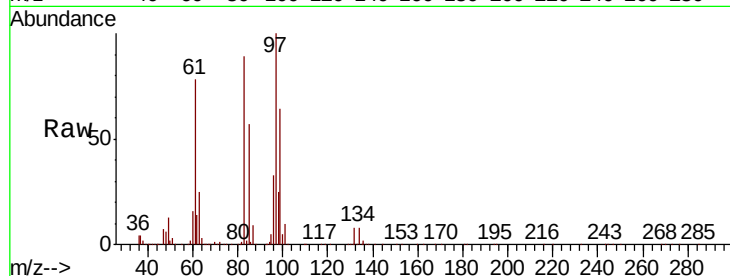
#47
 1,1,2-Trichloroethane
 Concen: 10.104 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	73.0	109.4
85	56.9	47.0	70.4
99	64.3	49.9	74.9

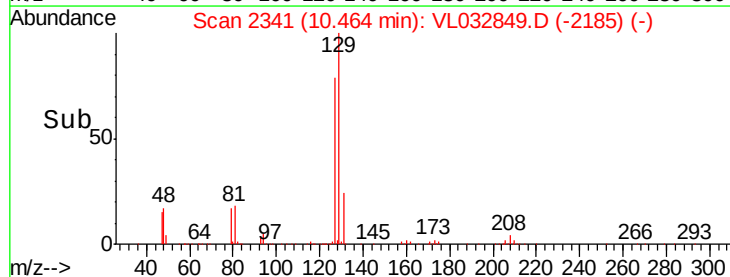
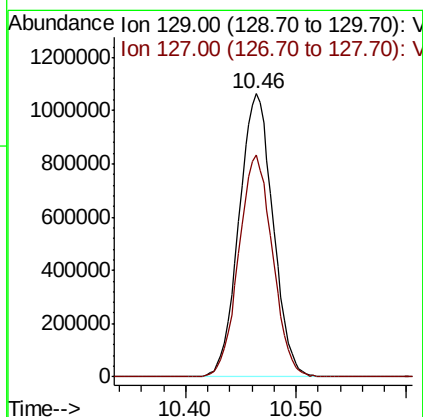
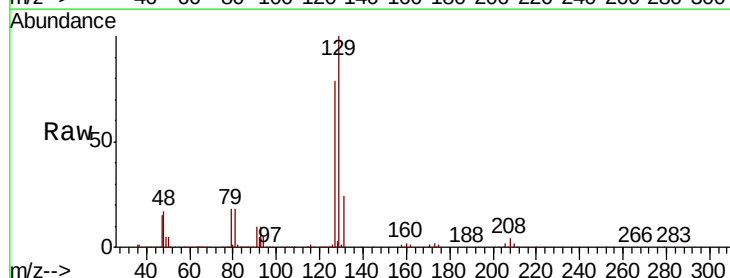
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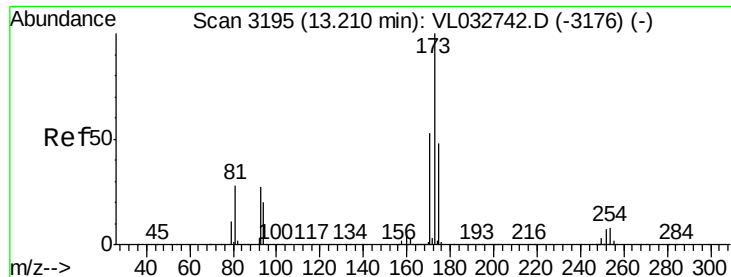
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#48
 Dibromochloromethane
 Concen: 10.486 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0





#49

Bromoform

Concen: 11.119 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:173 Resp: 1989938

Ion Ratio Lower Upper

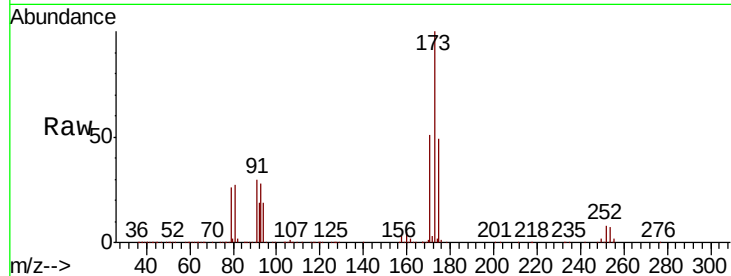
173 100

175 48.9 39.4 59.0

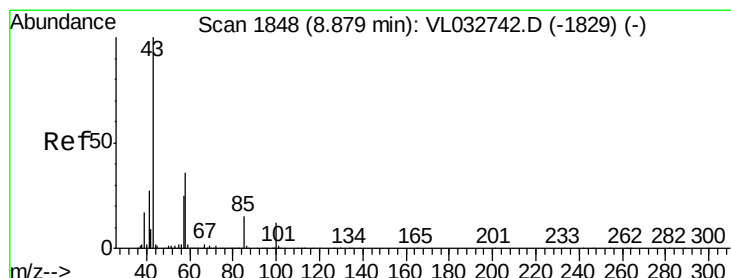
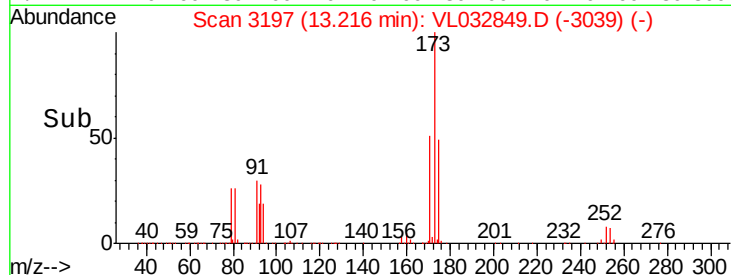
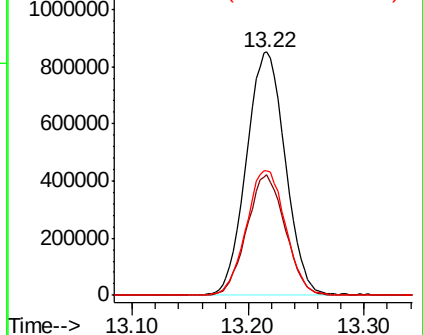
171 51.9 42.0 63.0

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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: 10.149 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032849.D

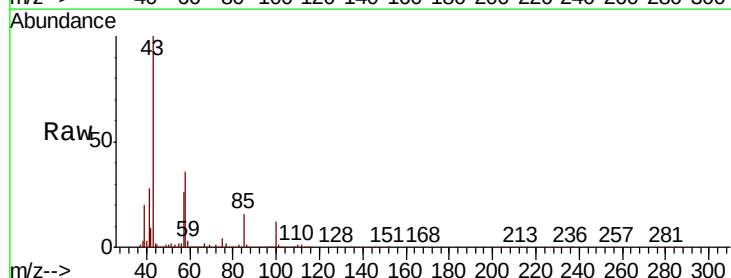
Acq: 30 Nov 2018 15:08

Tgt Ion: 43 Resp: 2921925

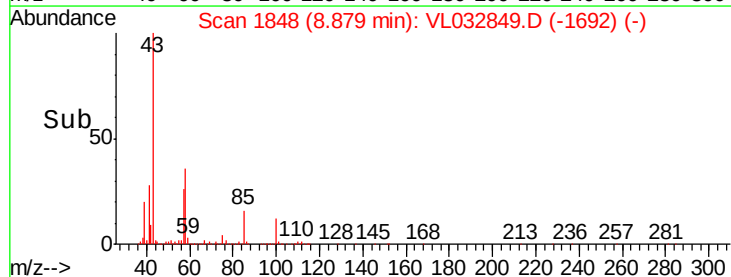
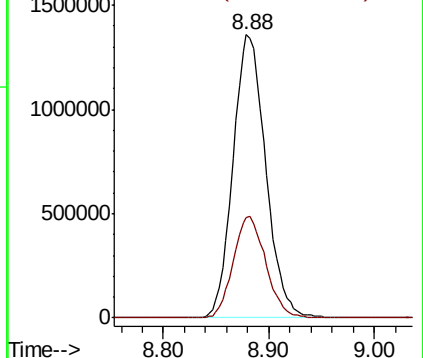
Ion Ratio Lower Upper

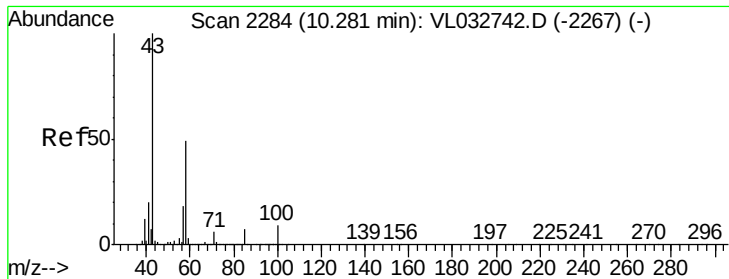
43 100

58 35.8 28.8 43.2



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





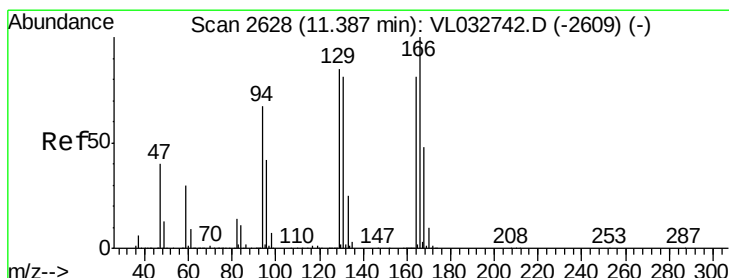
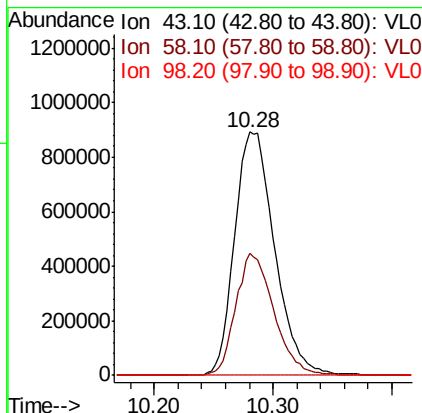
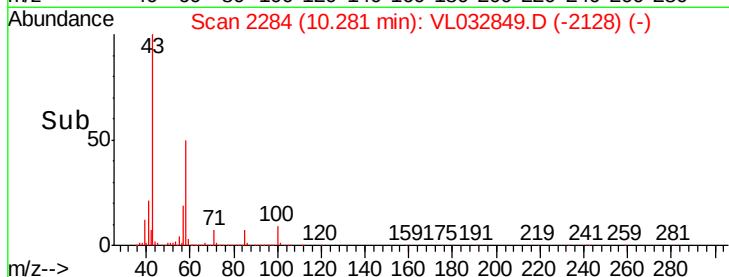
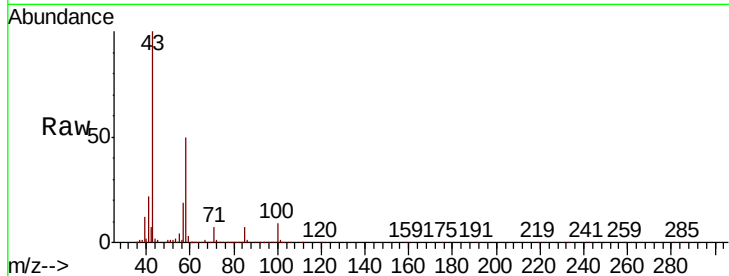
#51
2-Hexanone
Concen: 11.183 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion: 43 Resp: 2074272
Ion Ratio Lower Upper
43 100
58 48.1 38.9 58.3
98 0.3 0.2 0.4

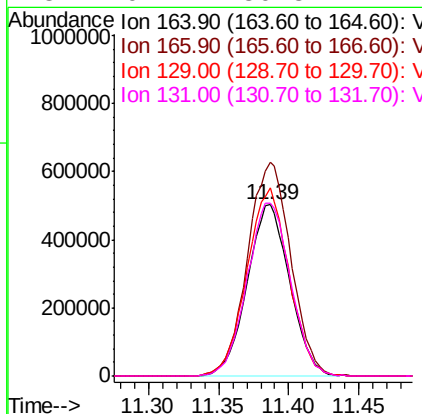
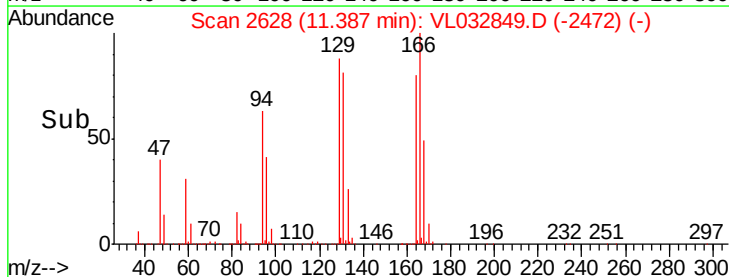
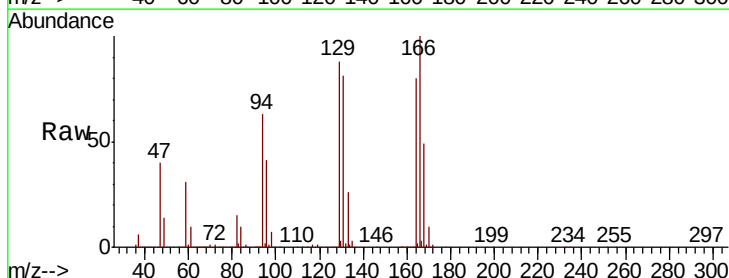
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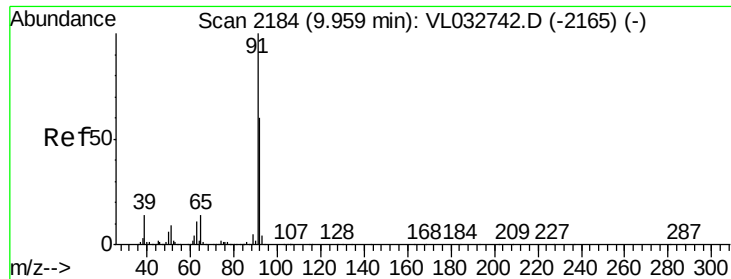
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#52
Tetrachloroethene
Concen: 10.725 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion: 164 Resp: 1055823
Ion Ratio Lower Upper
164 100
166 124.9 99.3 148.9
129 109.8 83.9 125.9
131 101.1 80.8 121.2





#53

Toluene

Concen: 12.173 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 91 Resp: 3594039

Ion Ratio Lower Upper

91 100

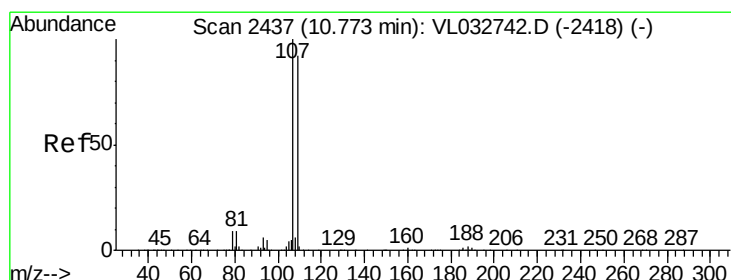
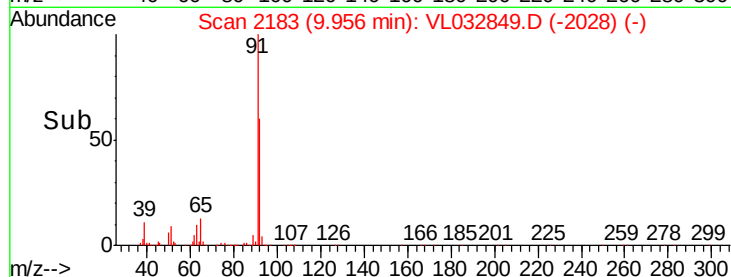
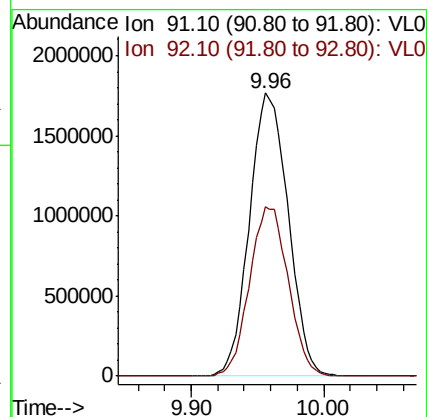
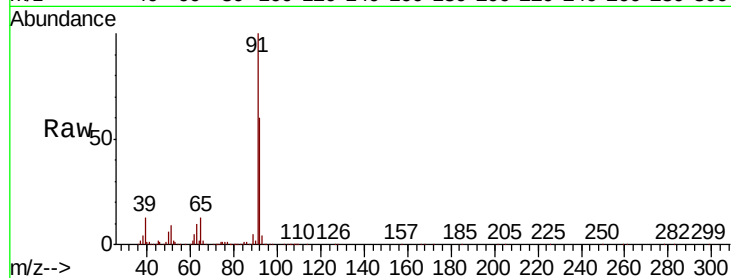
92 59.8 47.9 71.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.717 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032849.D

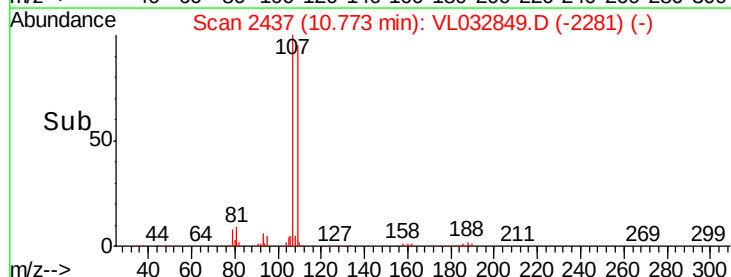
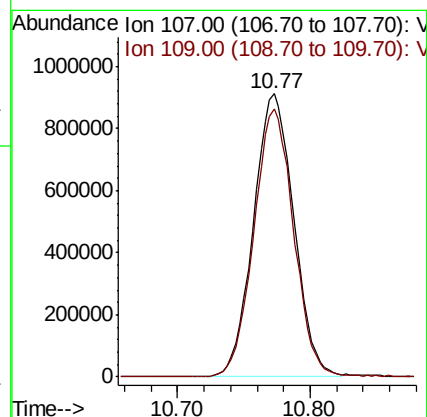
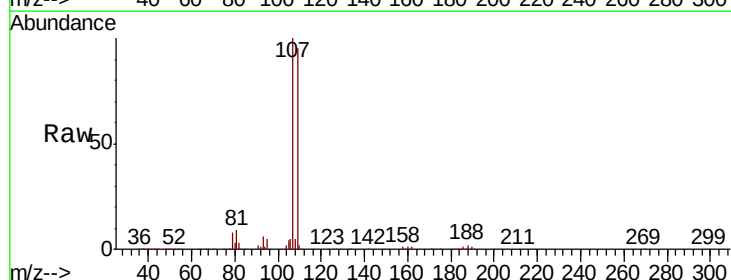
Acq: 30 Nov 2018 15:08

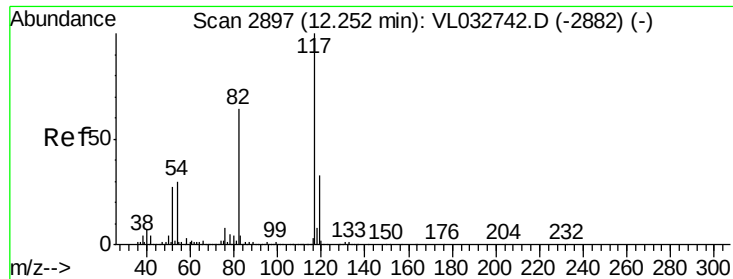
Tgt Ion: 107 Resp: 1931539

Ion Ratio Lower Upper

107 100

109 94.9 73.8 110.8





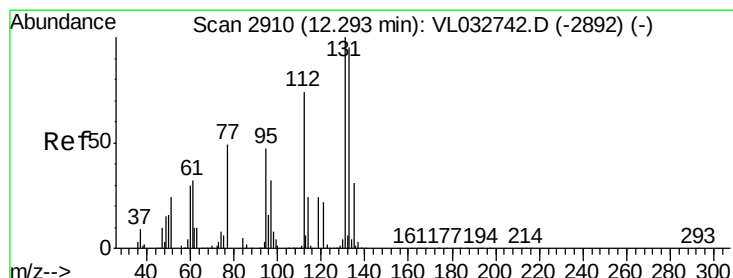
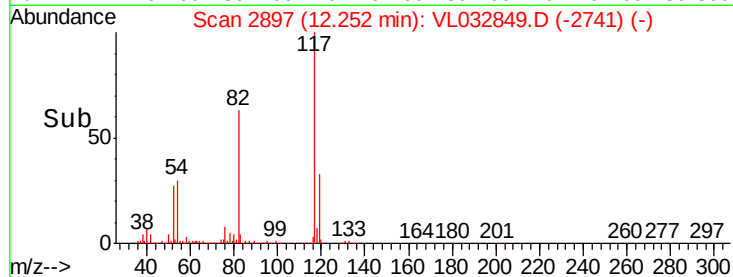
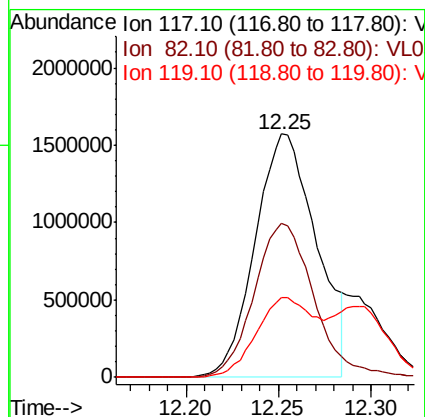
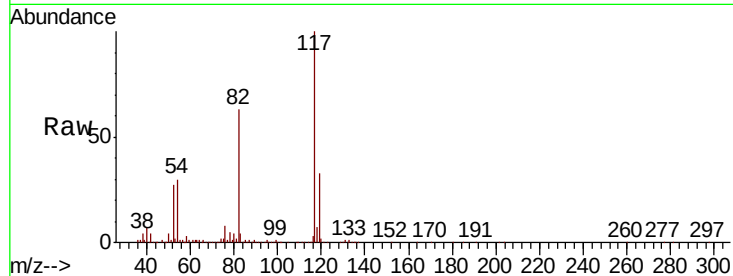
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion:117 Resp: 3608578
Ion Ratio Lower Upper
117 100
82 62.3 51.0 76.6
119 29.4 28.0 42.0

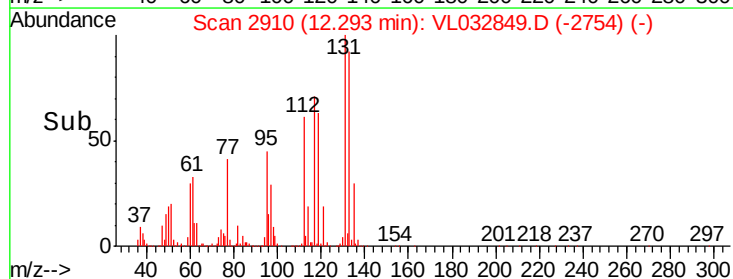
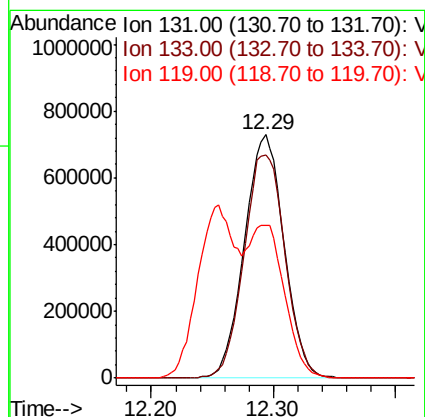
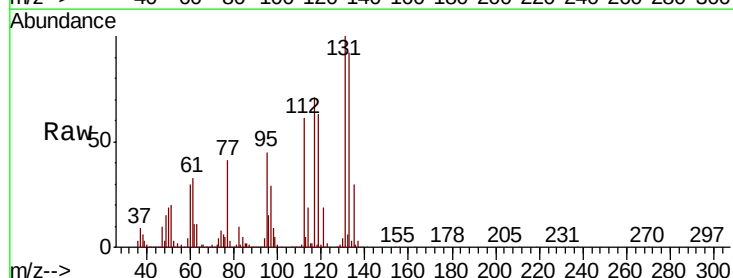
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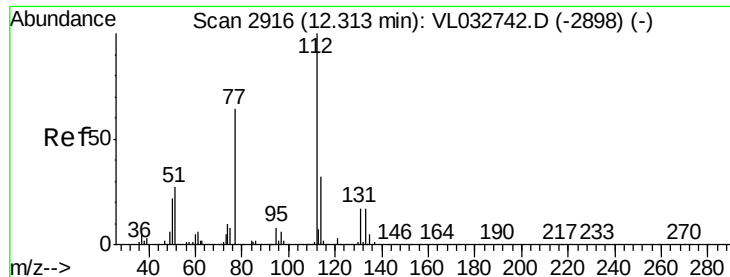
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.698 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion:131 Resp: 1632335
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.6
119 58.7 45.2 67.8





#57

Chlorobenzene

Concen: 9.573 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:112 Resp: 2644308

Ion Ratio Lower Upper

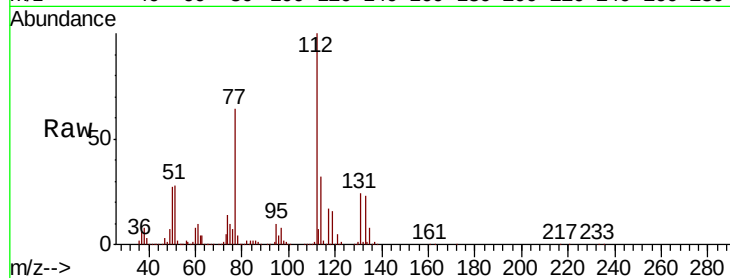
112 100

77 63.4 52.3 78.5

114 31.9 28.4 34.8

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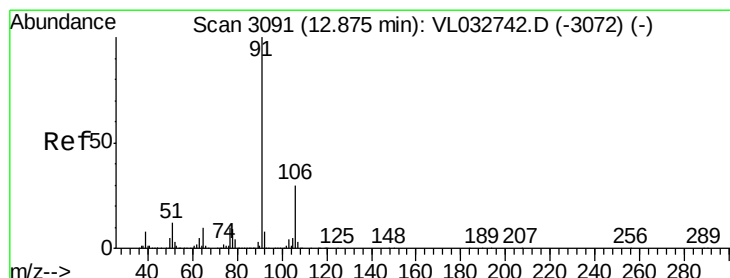
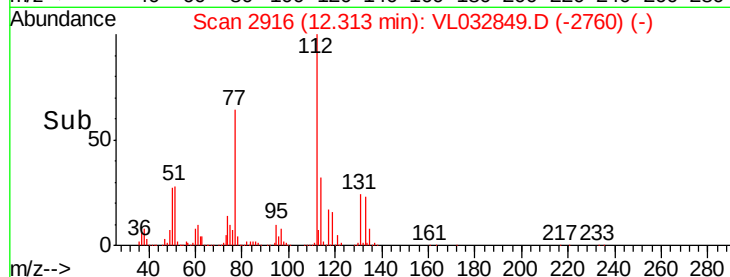
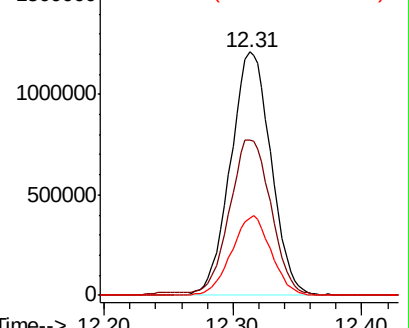
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.610 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032849.D

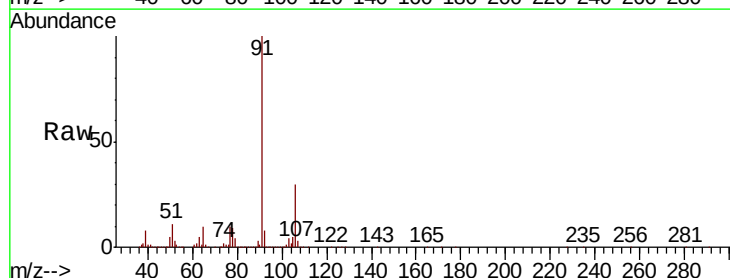
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 4607935

Ion Ratio Lower Upper

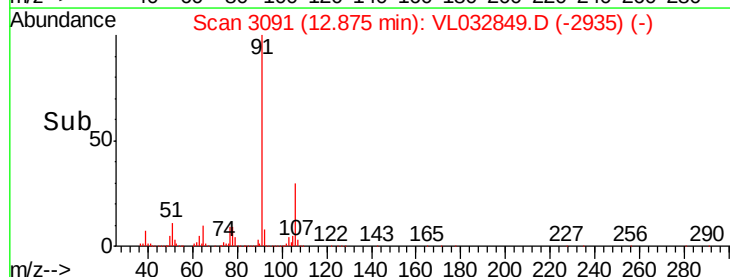
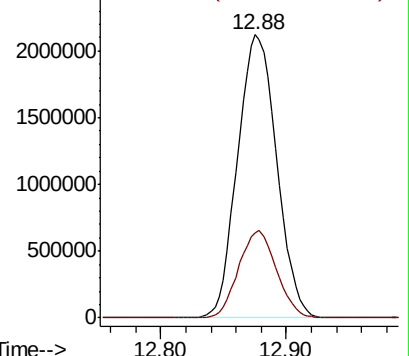
91 100

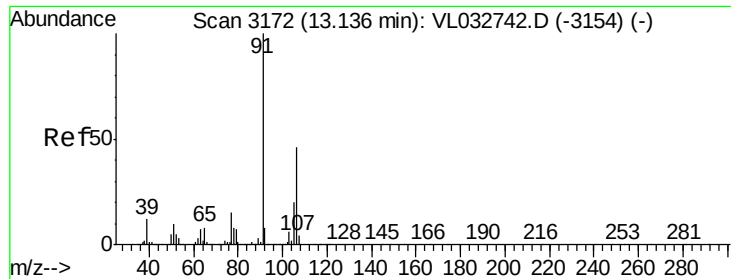
106 30.2 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 20.170 ppbv m

RT: 13.14 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 91 Resp: 7797996

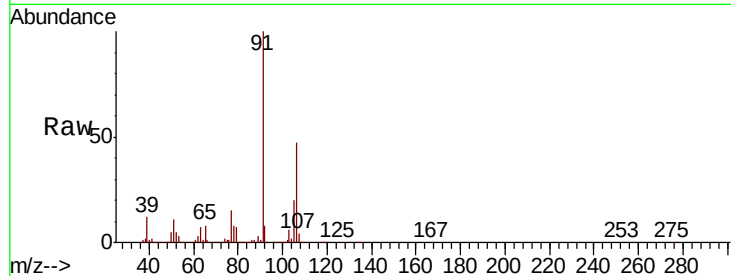
Ion Ratio Lower Upper

91 100

106 45.5 36.1 54.1

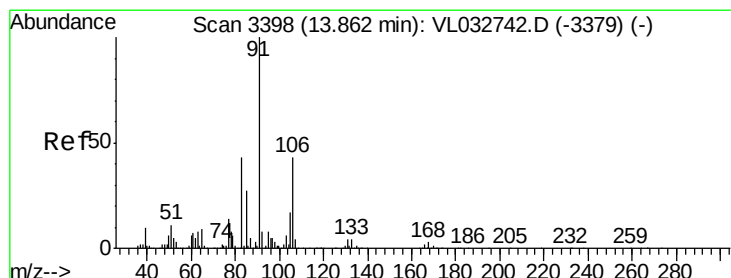
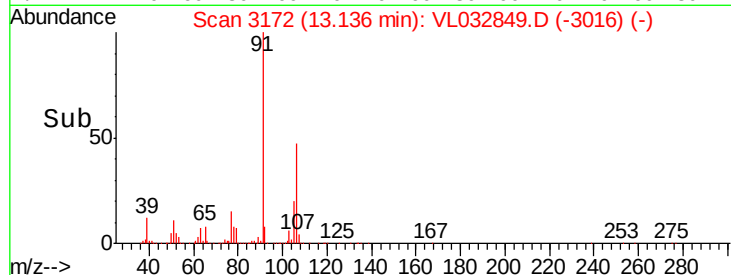
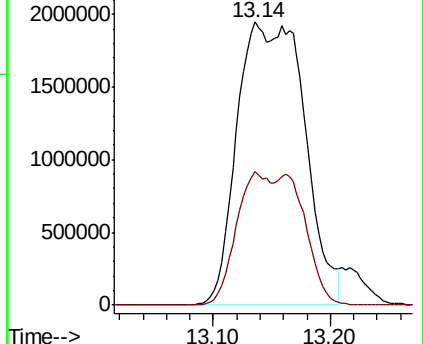
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.788 ppbv

RT: 13.86 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL032849.D

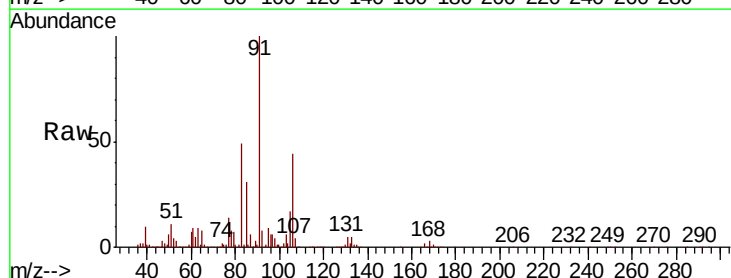
Acq: 30 Nov 2018 15:08

Tgt Ion: 91 Resp: 3804893

Ion Ratio Lower Upper

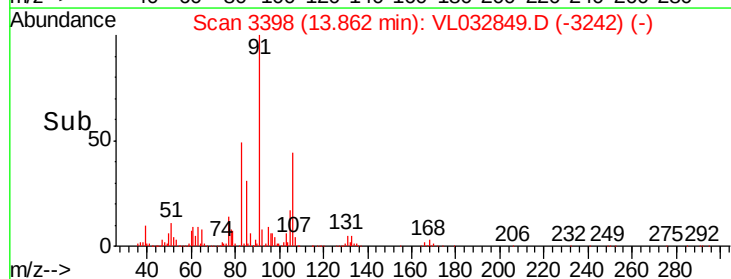
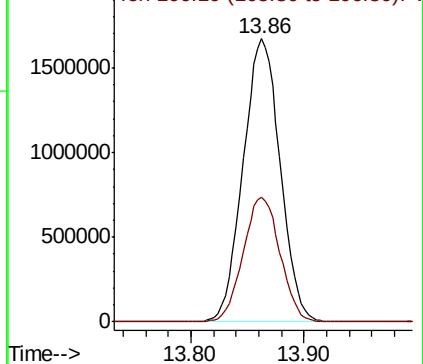
91 100

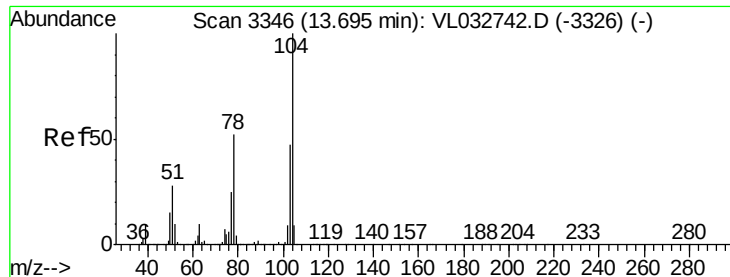
106 44.0 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





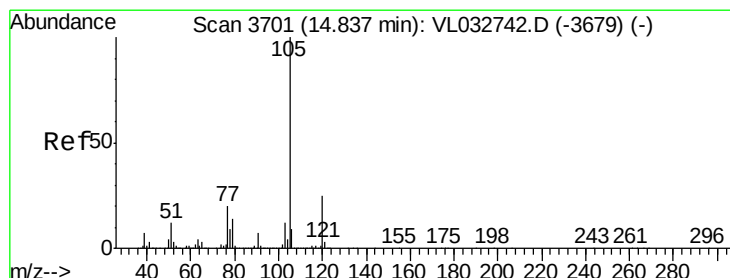
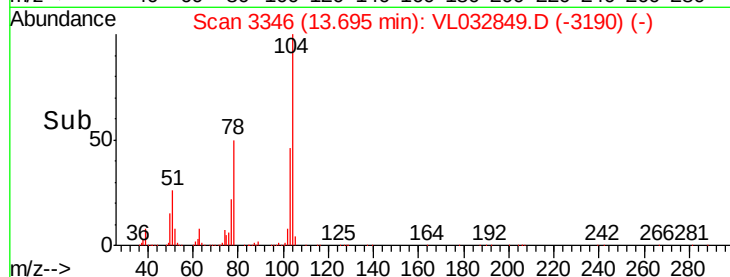
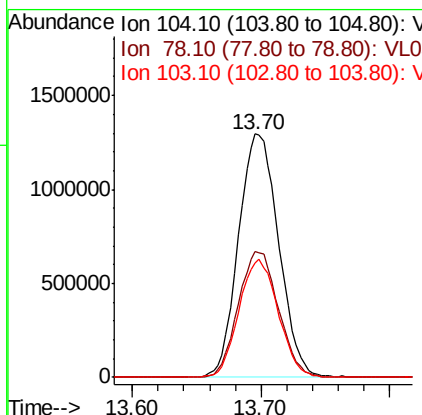
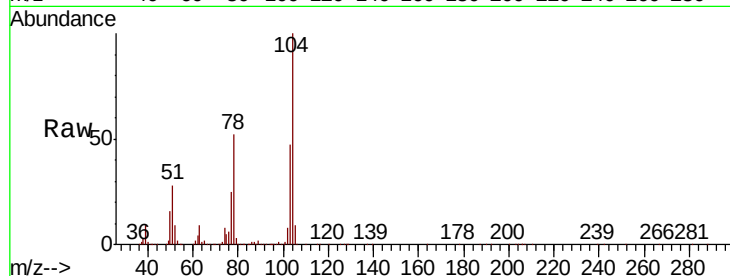
#61
Stvrene
Concen: 11.109 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.2	63.4
103	47.4	38.2	57.2

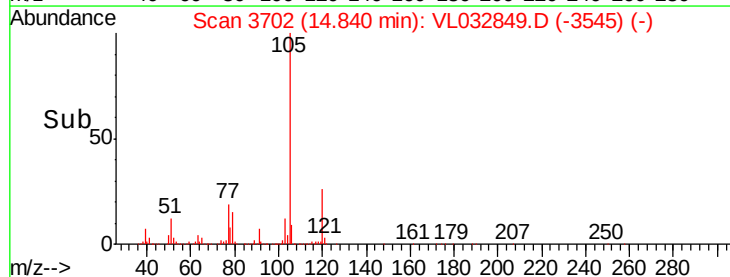
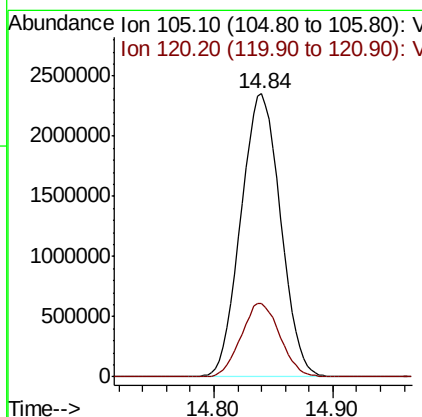
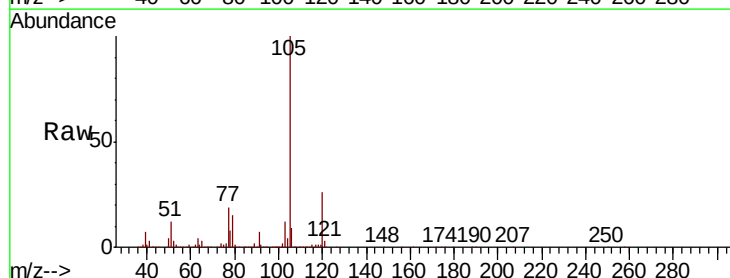
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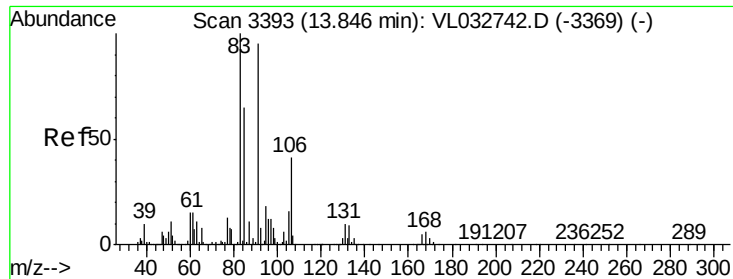
MMDadoda
12/3/2018 4:15:04 PM



#62
Isopropylbenzene
Concen: 10.336 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.665 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 83 Resp: 2625760

Ion Ratio Lower Upper

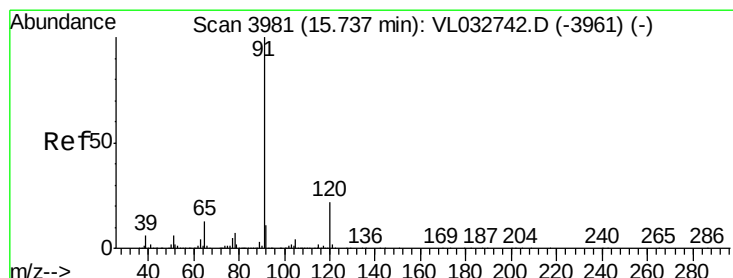
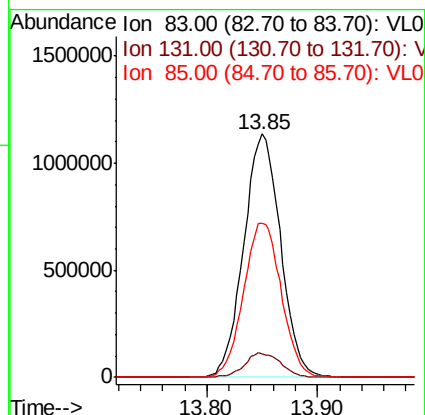
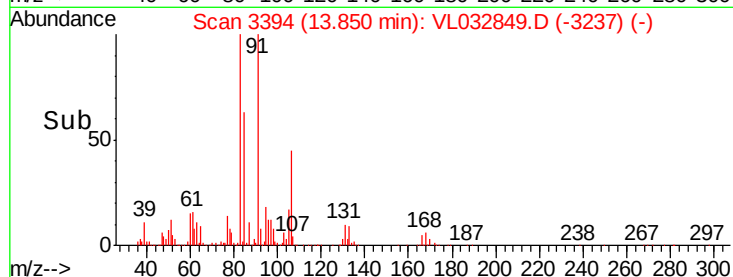
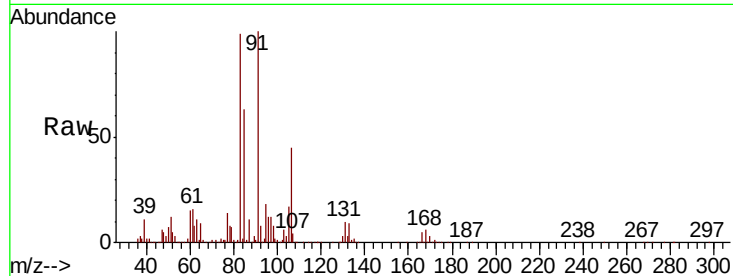
83 100

131 9.8 4.7 14.1

85 65.3 32.5 97.4

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#64

n-propylbenzene

Concen: 9.957 ppbv

RT: 15.73 min Scan# 3980

Delta R.T. -0.00 min

Lab File: VL032849.D

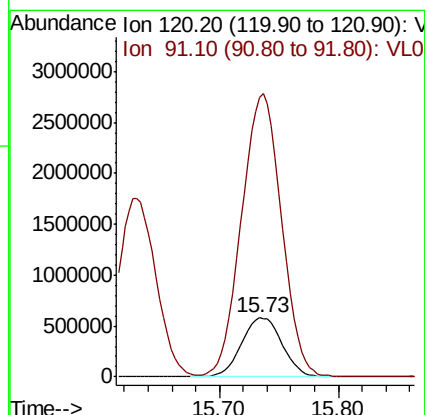
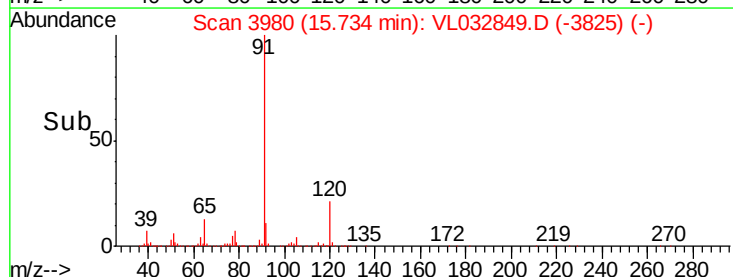
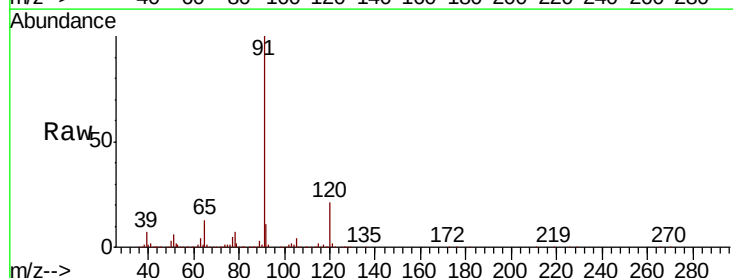
Acq: 30 Nov 2018 15:08

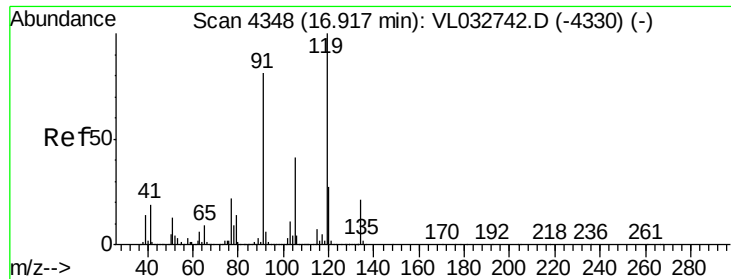
Tgt Ion: 120 Resp: 1376029

Ion Ratio Lower Upper

120 100

91 471.8 381.7 572.5





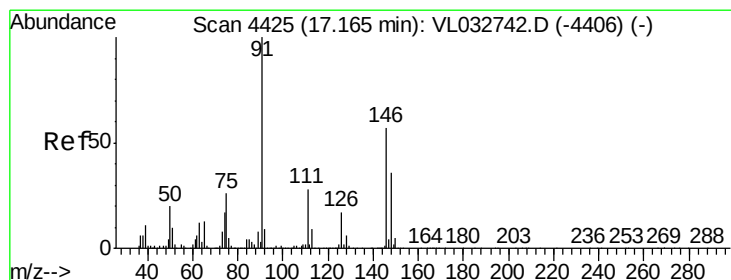
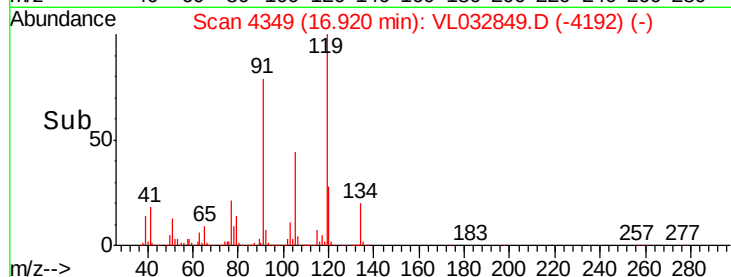
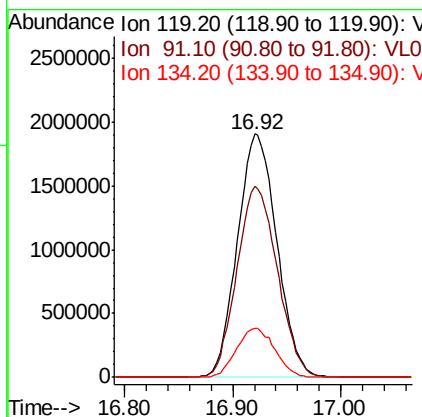
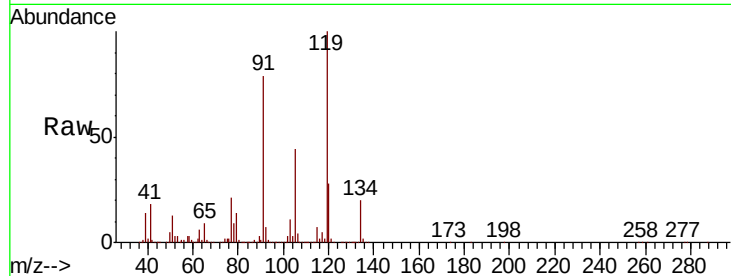
#65
tert-Butylbenzene
Concen: 10.292 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Instrument :
MSVOA_L
ClientSampleId :
VL1130ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.8	65.6	98.4
134	19.7	15.9	23.9

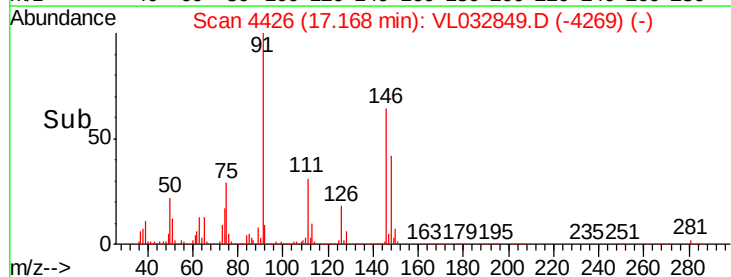
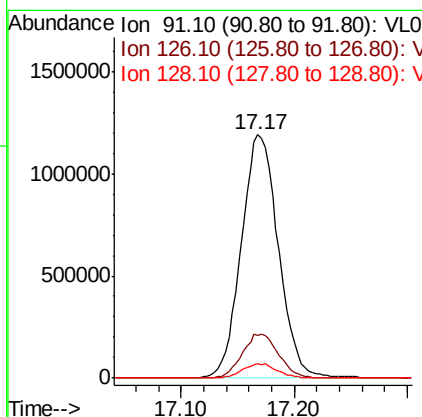
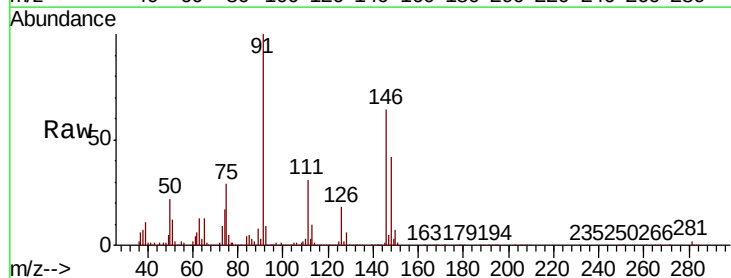
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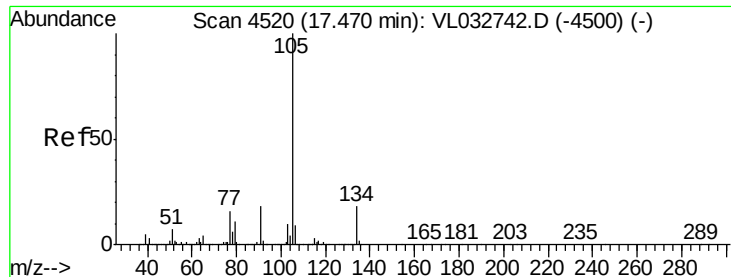
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#66
Benzyl Chloride
Concen: 10.385 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032849.D
Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.2	21.2
128	5.6	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.852 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion: 105 Resp: 6687507

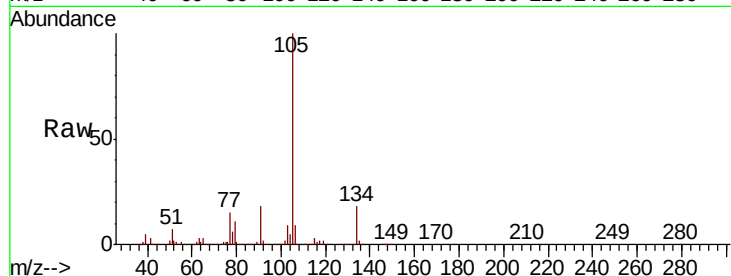
Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8

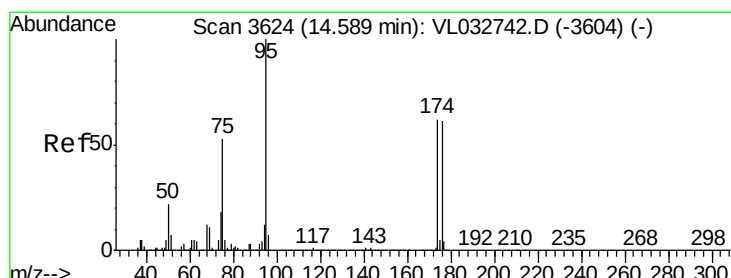
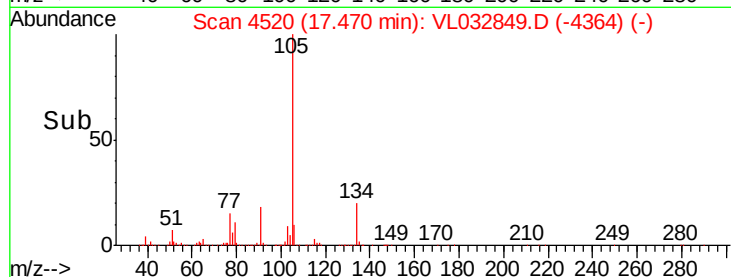
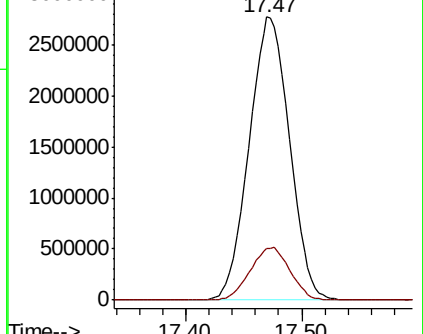
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.876 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

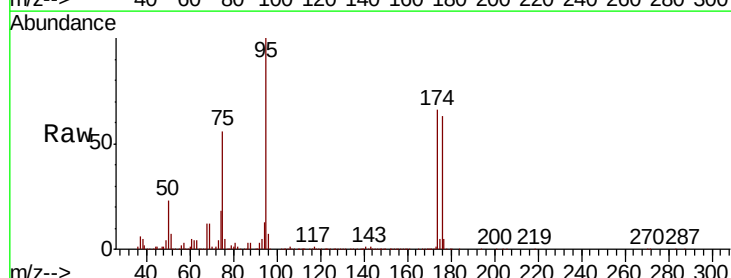
Tgt Ion: 95 Resp: 2665525

Ion Ratio Lower Upper

95 100

174 65.4 50.7 76.1

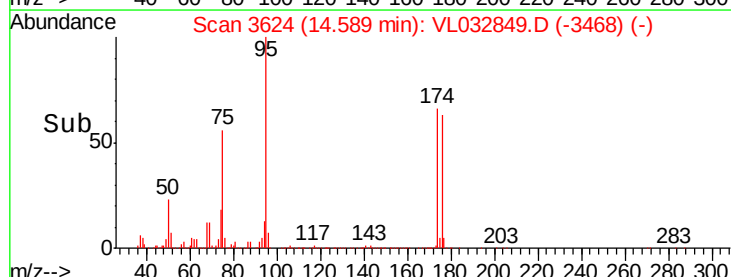
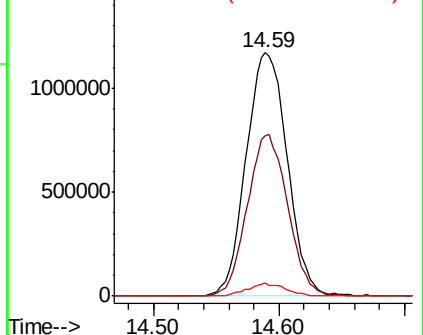
175 4.8 3.8 5.6

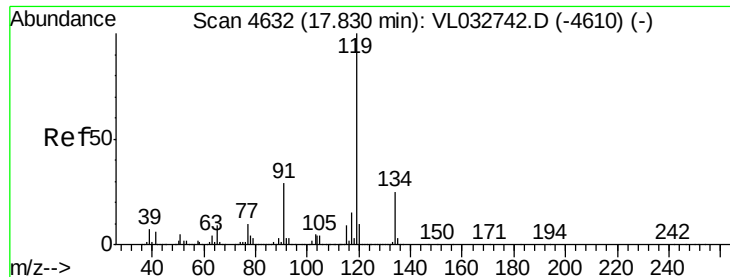


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





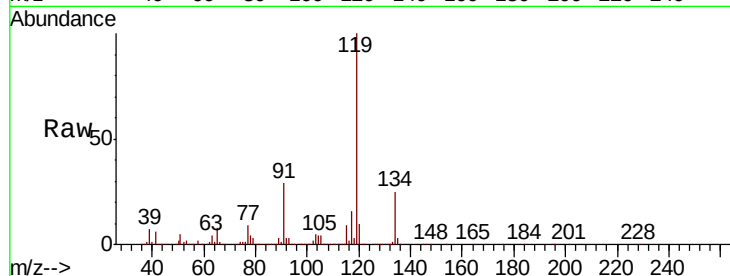
#69
 p-Isopropyltoluene
 Concen: 10.180 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	28.7	23.5	35.3

Manual Integrations
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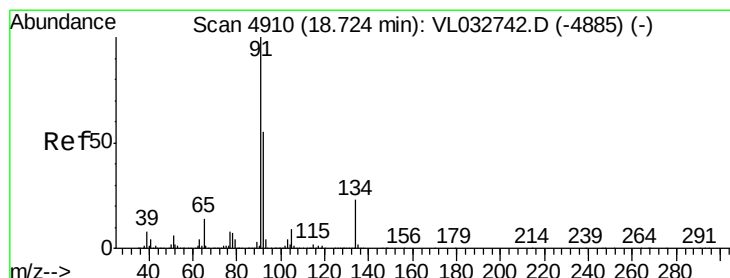
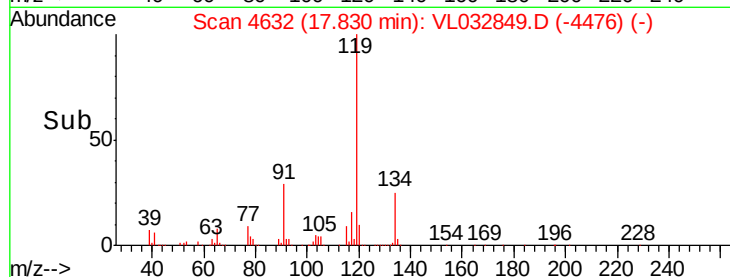
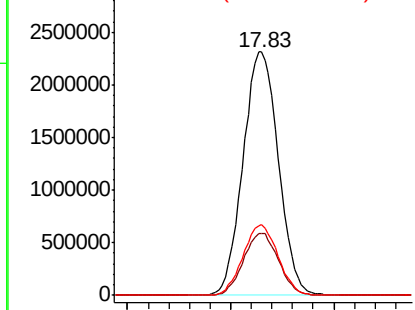


Abundance

Ion 119.10 (118.80 to 119.80): V

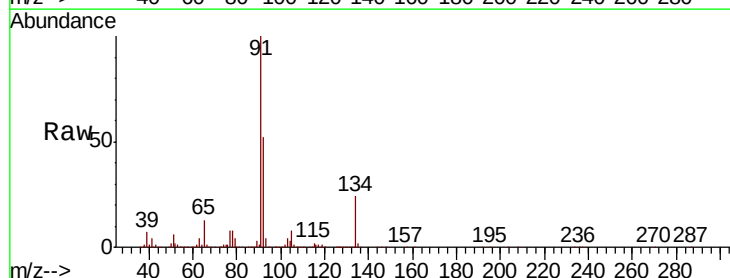
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 9.861 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.9	64.3
134	23.0	17.8	26.8

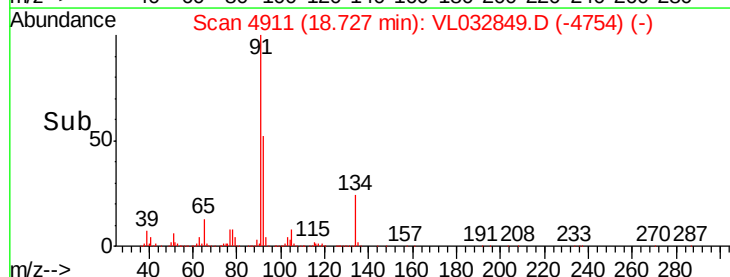
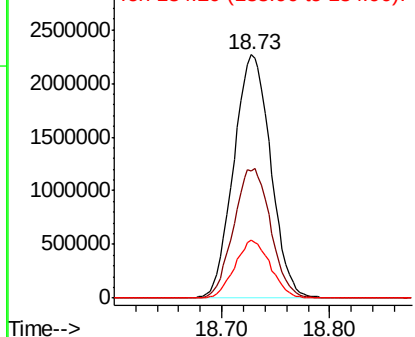


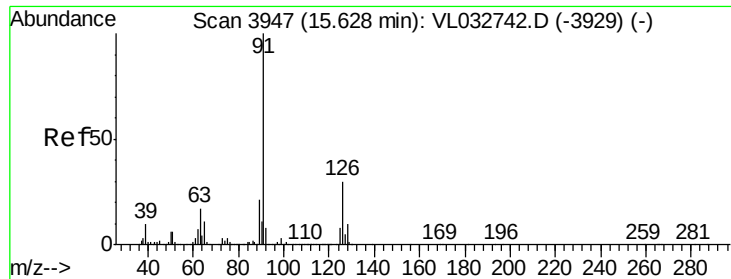
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





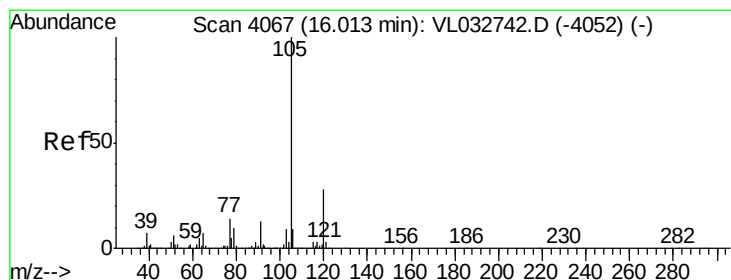
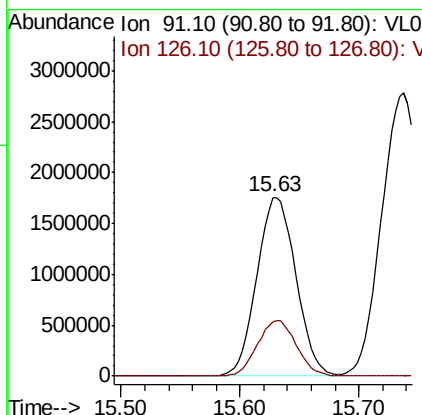
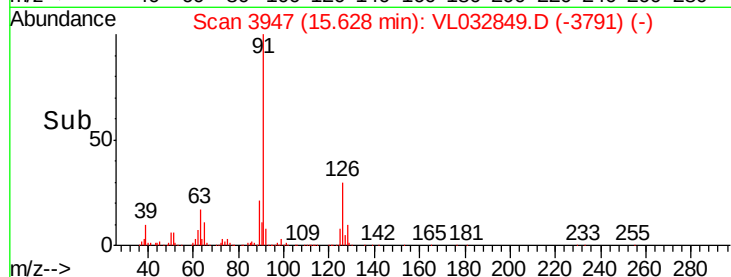
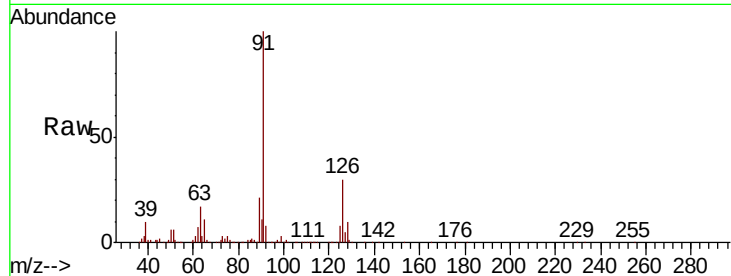
#71
 2-Chlorotoluene
 Concen: 10.203 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion: 91 Resp: 3997986
 Ion Ratio Lower Upper
 91 100
 126 30.9 12.1 48.5

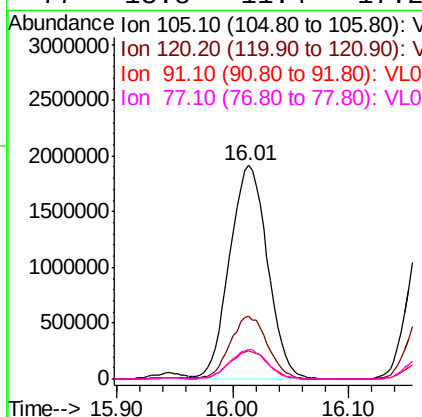
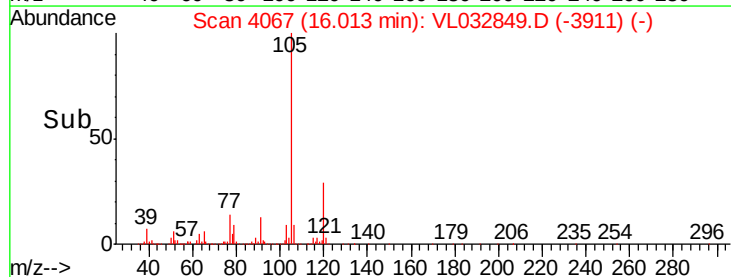
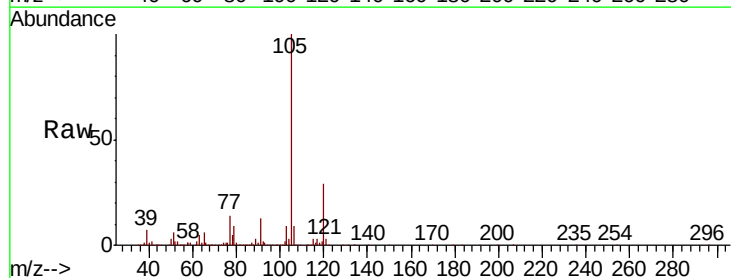
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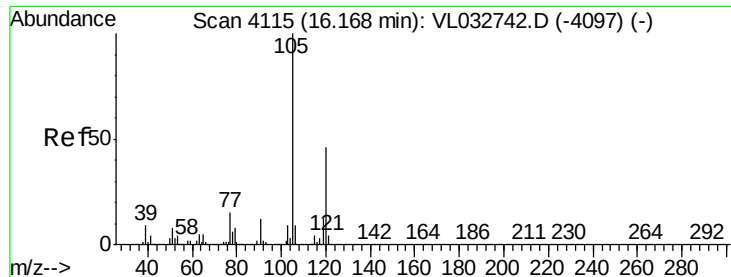
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#72
 4-Ethyltoluene
 Concen: 10.184 ppbv
 RT: 16.01 min Scan# 4067
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion: 105 Resp: 4339096
 Ion Ratio Lower Upper
 105 100
 120 29.8 22.9 34.3
 91 13.3 10.6 15.8
 77 13.8 11.4 17.2





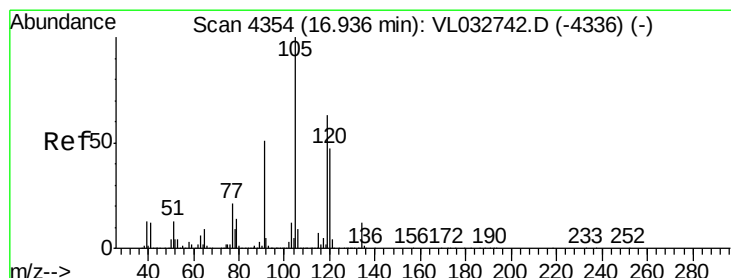
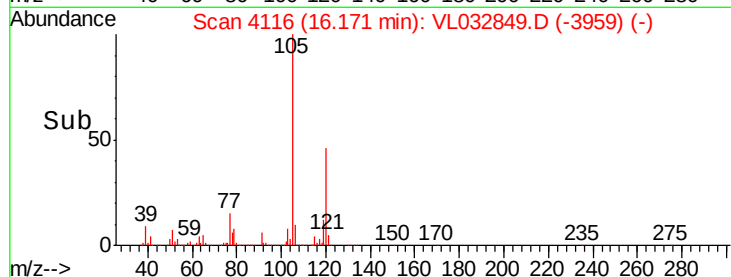
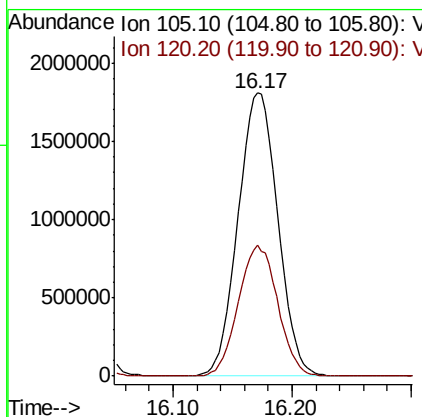
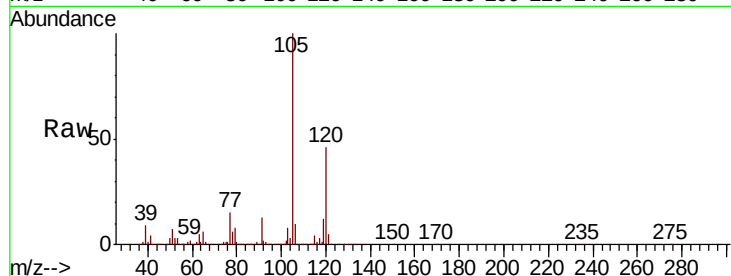
#73
 1,3,5-Trimethylbenzene
 Concen: 10.003 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion:105 Resp: 4167359
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.6 55.0

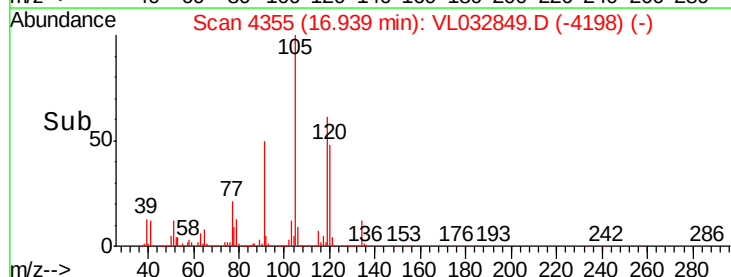
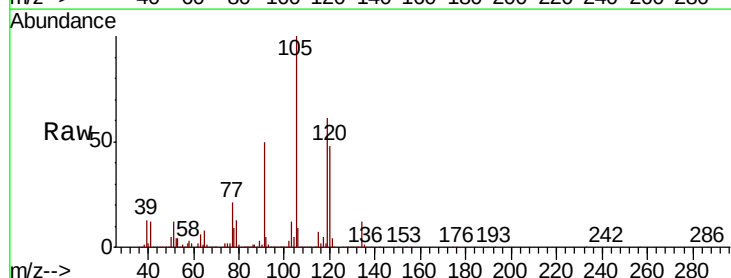
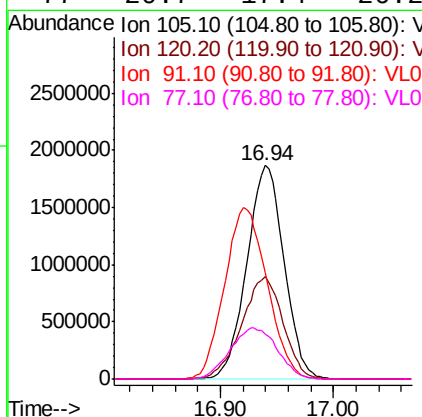
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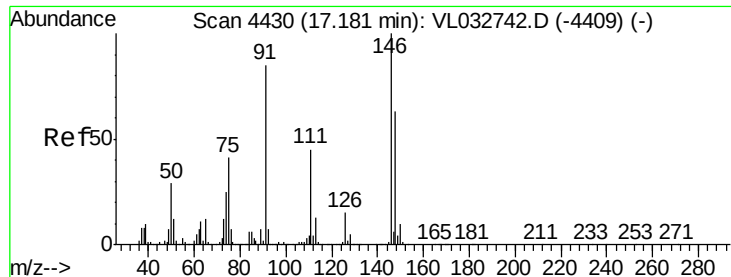
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.586 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion:105 Resp: 4273235
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.6 56.4
 91 49.5 42.5 63.7
 77 20.7 17.4 26.2





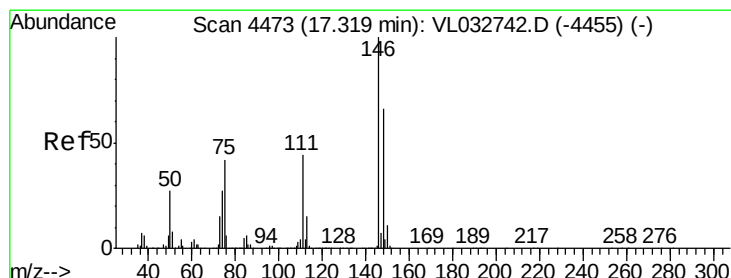
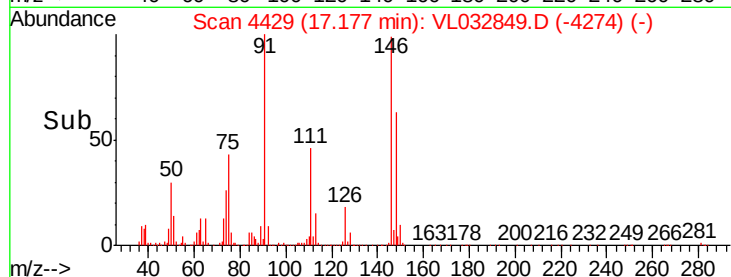
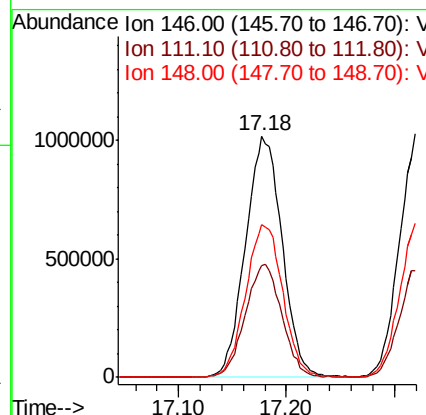
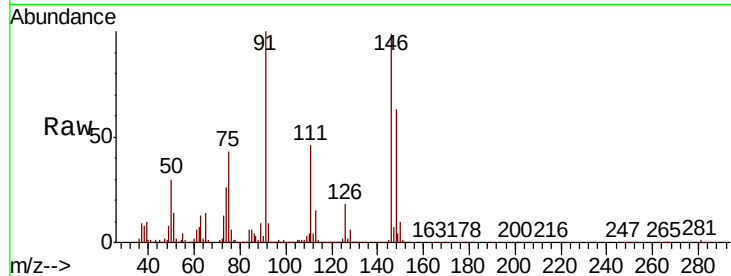
#75
 1,3-Dichlorobenzene
 Concen: 9.367 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampled :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.6
148	64.1	31.8	95.3

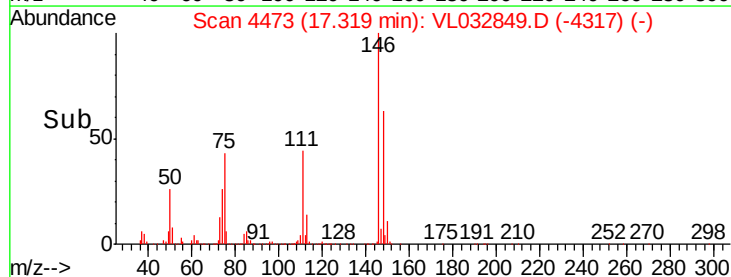
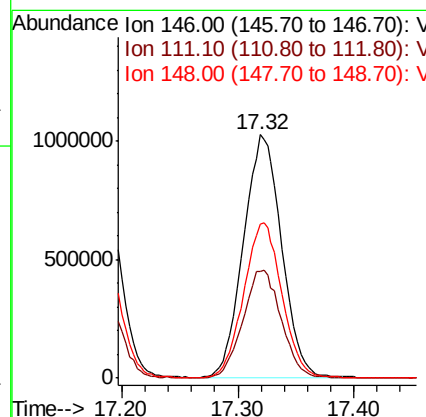
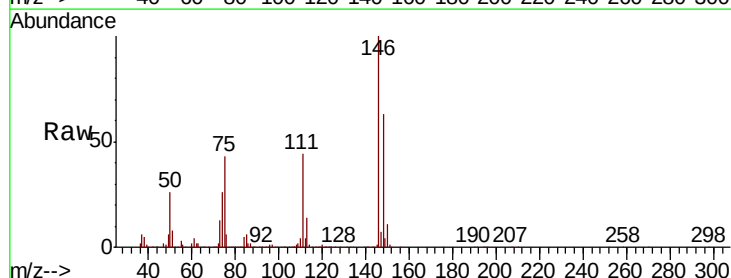
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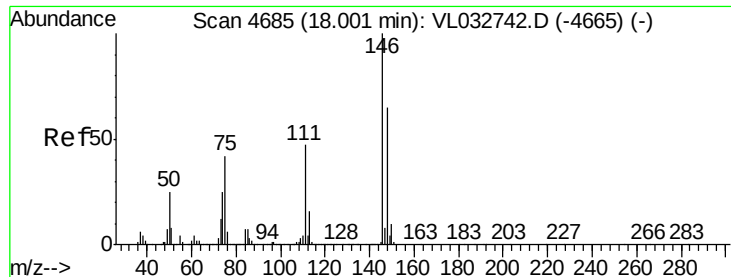
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 12/3/2018 4:15:04 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.773 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.5	67.5
148	64.3	32.5	97.5





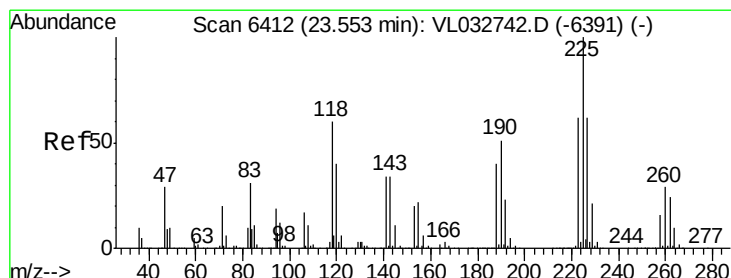
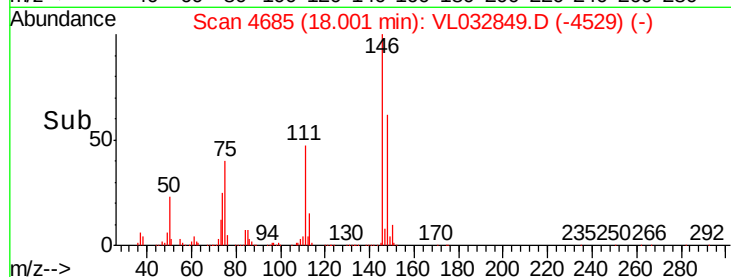
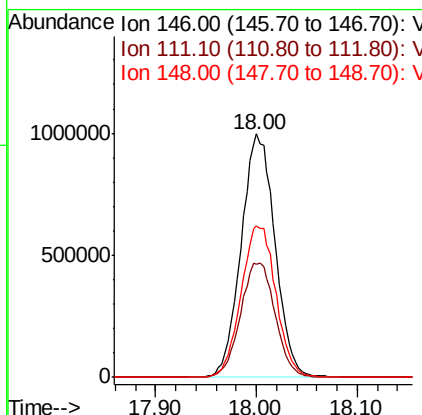
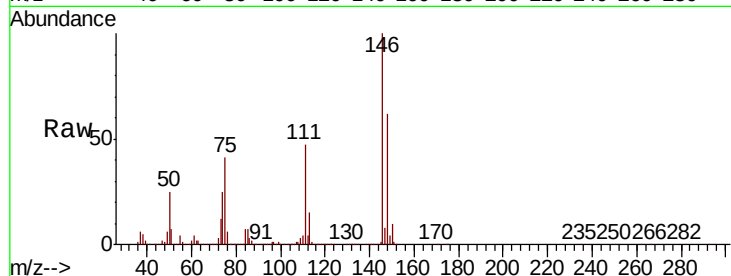
#77
 1,2-Dichlorobenzene
 Concen: 9.800 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.4	73.2
148	63.9	32.2	96.6

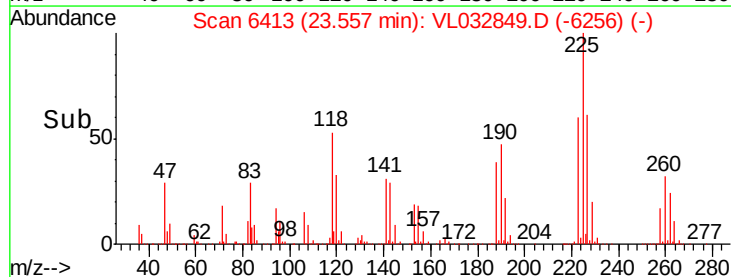
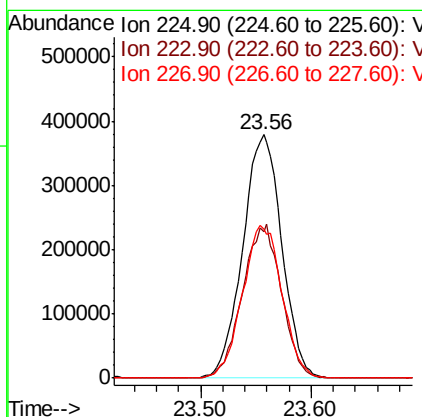
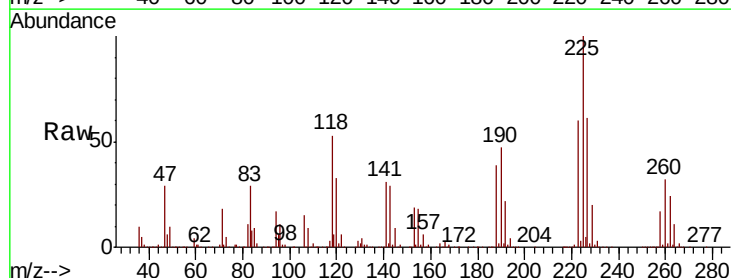
Manual Integrations
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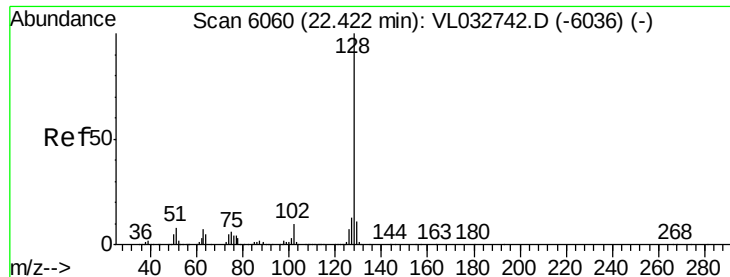
MMDadoda
 12/3/2018 4:15:04 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.283 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.4	50.2	75.4





#79

Naphthalene

Concen: 10.637 ppbv

RT: 22.43 min Scan# 6062

Delta R.T. 0.01 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

Instrument :

MSVOA_L

ClientSampleId :

VL1130ABS01

Tot Ion:128 Resp: 3115183

Ion Ratio Lower Upper

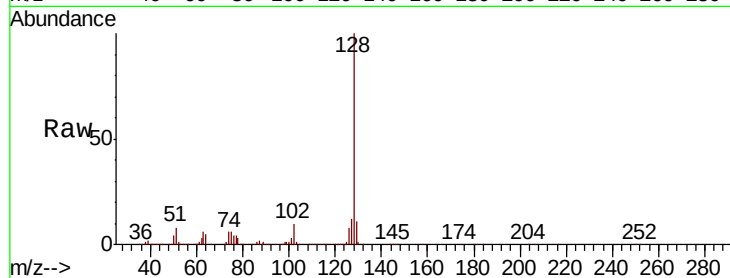
128 100

127 12.3 10.1 15.1

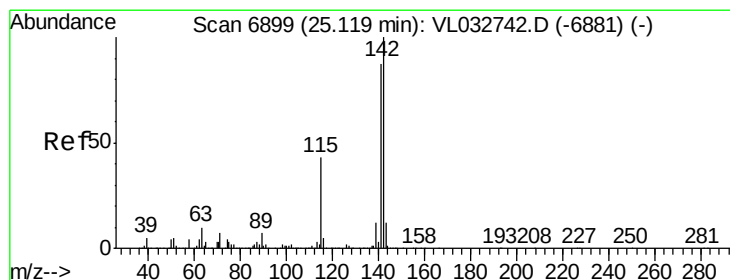
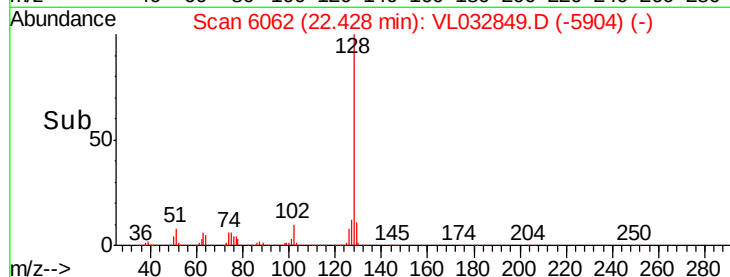
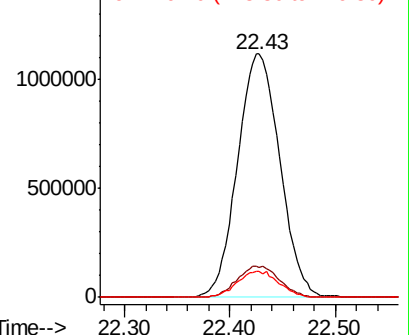
129 10.8 8.9 13.3

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Abundance Ion 128.10 (127.80 to 128.80): V
1500000 Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.453 ppbv

RT: 25.13 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL032849.D

Acq: 30 Nov 2018 15:08

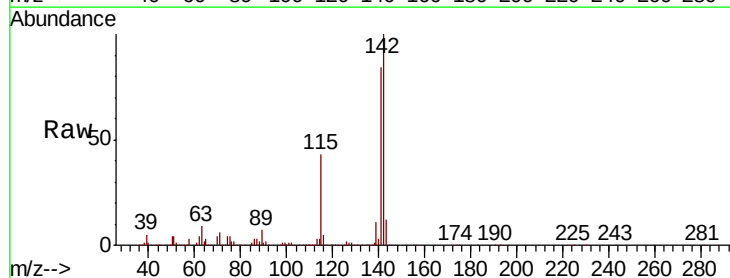
Tgt Ion:142 Resp: 766662

Ion Ratio Lower Upper

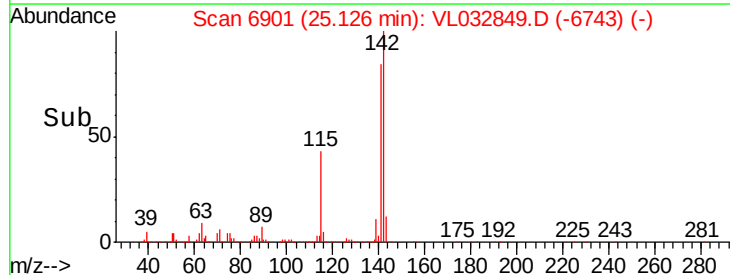
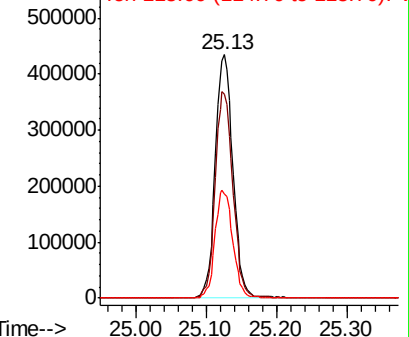
142 100

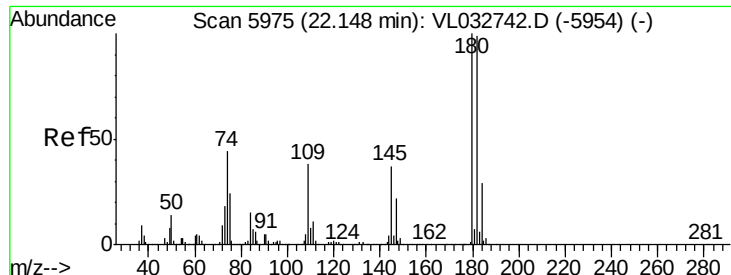
141 85.0 68.7 103.1

115 44.6 35.5 53.3



Abundance Ion 142.00 (141.70 to 142.70): V
600000 Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.837 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032849.D
 Acq: 30 Nov 2018 15:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.3	115.9
184	30.6	24.2	36.4

Manual Integrations
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MMDadoda
 12/3/2018 4:15:04 PM

