

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008903.D
 Acq On : 28 Feb 2019 23:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 2:57:14 PM

Quant Time: Mar 01 06:57:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126991	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.88	113	115866	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.32	98	468619	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	182962	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131953	48.128	ug/l	99
3) Chloromethane	2.21	50	169684	50.843	ug/l	99
4) Vinyl Chloride	2.35	62	174885	49.492	ug/l	100
5) Bromomethane	2.75	94	136079	51.848	ug/l	98
6) Chloroethane	2.91	64	125860	50.159	ug/l	99
7) Trichlorofluoromethane	3.26	101	215632	48.250	ug/l	95
8) Diethyl Ether	3.68	74	67503	47.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128349	47.293	ug/l	98
10) Methyl Iodide	4.27	142	155639	45.861	ug/l	100
11) Tert butyl alcohol	5.17	59	57738	252.604	ug/l	100
12) 1,1-Dichloroethene	4.04	96	115704	48.275	ug/l	98
13) Acrolein	3.90	56	59291	246.249	ug/l	100
14) Allyl chloride	4.67	41	209803	50.718	ug/l	98
15) Acrylonitrile	5.37	53	169958	279.896	ug/l	98
16) Acetone	4.12	43	142554	239.541	ug/l	99
17) Carbon Disulfide	4.38	76	388093	48.803	ug/l	98
18) Methyl Acetate	4.67	43	79072	56.018	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	331959	51.170	ug/l	100
20) Methylene Chloride	4.92	84	150463	51.475	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	137071	49.440	ug/l	93
22) Diisopropyl ether	6.31	45	430826	52.209	ug/l	95
23) Vinyl Acetate	6.26	43	1329789	260.822	ug/l	99
24) 1,1-Dichloroethane	6.21	63	244210	51.071	ug/l	99
25) 2-Butanone	7.17	43	219701	264.062	ug/l	98
26) 2,2-Dichloropropane	7.16	77	195359	45.001	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	150300	50.680	ug/l	98
28) Bromochloromethane	7.51	49	103206	51.577	ug/l	98
29) Tetrahydrofuran	7.52	42	145736	274.863	ug/l	99
30) Chloroform	7.68	83	250271	51.018	ug/l	99
31) Cyclohexane	7.95	56	229314	47.376	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	222623	49.903	ug/l	98
36) 1,1-Dichloropropene	8.08	75	194178	49.659	ug/l	99
37) Ethyl Acetate	7.25	43	100286	55.153	ug/l	97
38) Carbon Tetrachloride	8.07	117	203088	49.249	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	238101	48.818	ug/l	97
40) Benzene	8.32	78	554061	51.897	ug/l	98
41) Methacrylonitrile	7.48	41	56779	53.123	ug/l	93
42) 1,2-Dichloroethane	8.40	62	174554	51.614	ug/l	99
43) Isopropyl Acetate	8.43	43	189279	52.157	ug/l	99
44) Trichloroethene	9.09	130	151137	50.253	ug/l	97
45) 1,2-Dichloropropane	9.37	63	136412	51.706	ug/l	96
46) Dibromomethane	9.46	93	75187	51.236	ug/l	98
47) Bromodichloromethane	9.65	83	185547	51.968	ug/l	99
48) Methyl methacrylate	9.43	41	89466	51.473	ug/l	94
49) 1,4-Dioxane	9.44	88	28162	1198.371	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	518678	281.514	ug/l	100
52) Toluene	10.39	92	383888	52.982	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185179	50.885	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213530	51.446	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106934	53.732	ug/l	94
56) Ethyl methacrylate	10.65	69	146605	56.701	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185615	52.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	351858	270.574	ug/l	99
59) 2-Hexanone	10.97	43	366826	279.691	ug/l	97
60) Dibromochloromethane	11.13	129	127695	52.605	ug/l	99
61) 1,2-Dibromoethane	11.24	107	104737	53.168	ug/l	98
64) Tetrachloroethene	10.86	164	152513	53.661	ug/l	98
65) Chlorobenzene	11.66	112	428668	51.345	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	140292	49.697	ug/l	99
67) Ethyl Benzene	11.73	91	769863	51.583	ug/l	100
68) m/p-Xylenes	11.84	106	610949	102.453	ug/l	99
69) o-Xylene	12.17	106	290552	51.911	ug/l	100
70) Styrene	12.18	104	471707	52.383	ug/l	99
71) Bromoform	12.35	173	76794	50.608	ug/l #	98
73) Isopropylbenzene	12.46	105	783553	52.624	ug/l	100
74) N-amyl acetate	12.27	43	208353	55.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	127131	52.254	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	94898m	52.920	ug/l	
77) Bromobenzene	12.75	156	184589	52.461	ug/l	99
78) n-propylbenzene	12.80	91	951465	52.239	ug/l	100
79) 2-Chlorotoluene	12.90	91	541238	52.339	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	676686	52.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36479	49.454	ug/l	97
82) 4-Chlorotoluene	12.99	91	567238	52.053	ug/l	100
83) tert-Butylbenzene	13.21	119	596543	53.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	693503	51.775	ug/l	100
85) sec-Butylbenzene	13.38	105	846505	52.618	ug/l	100
86) p-Isopropyltoluene	13.50	119	763681	51.782	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	376473	51.570	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	373819	51.955	ug/l	99
89) n-Butylbenzene	13.83	91	720357	52.137	ug/l	99
90) Hexachloroethane	14.10	117	128557	53.247	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	340302	52.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25183	57.221	ug/l	96

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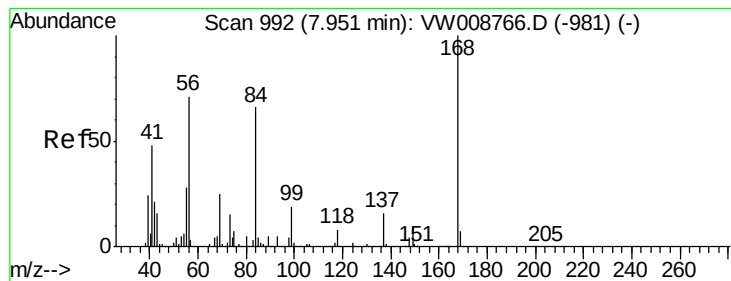
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249565	53.249	ug/l	98
94) Hexachlorobutadiene	15.24	225	150237	54.421	ug/l	99
95) Naphthalene	15.37	128	444012	55.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	215690	53.227	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273741

Ion Ratio Lower Upper

168 100

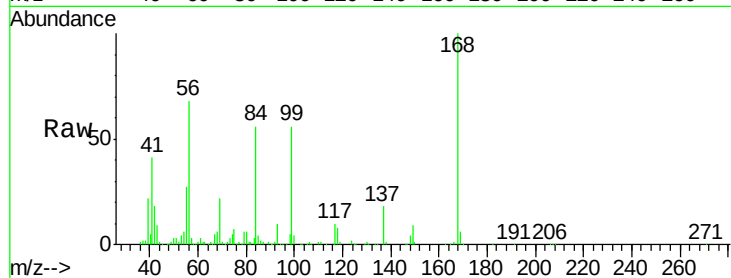
99 55.8 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

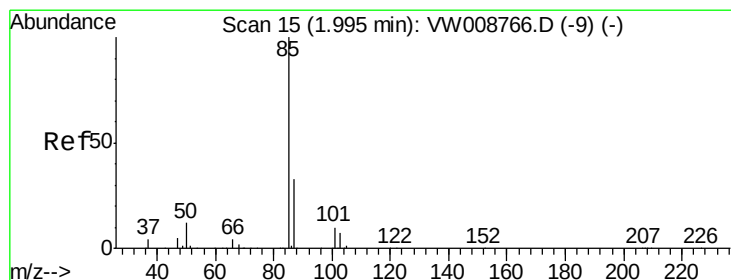
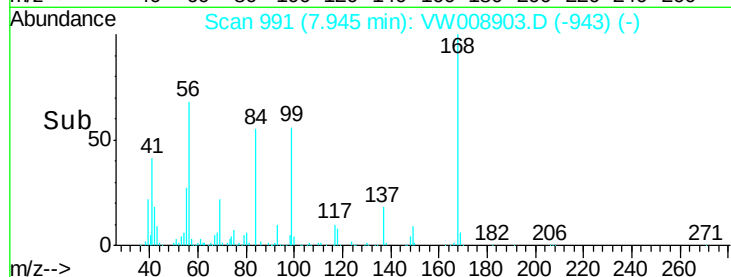
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.128 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008903.D

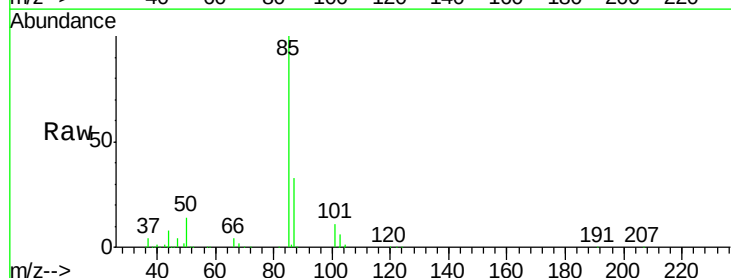
Acq: 28 Feb 2019 23:32

Tgt Ion: 85 Resp: 131953

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

100000

80000

60000

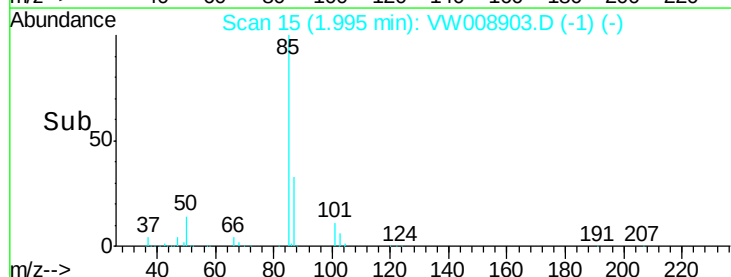
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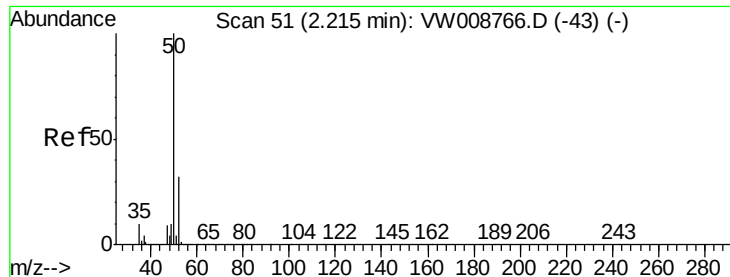
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.843 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 169684

Ion Ratio Lower Upper

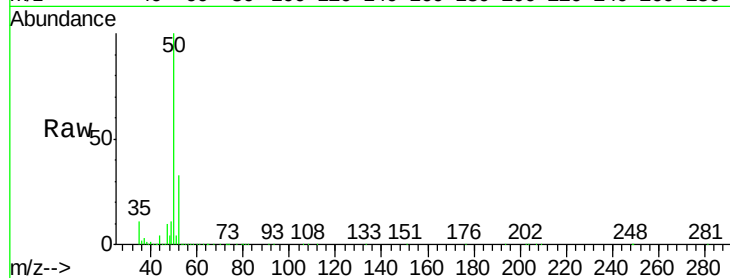
50 100

52 32.7 25.9 38.9

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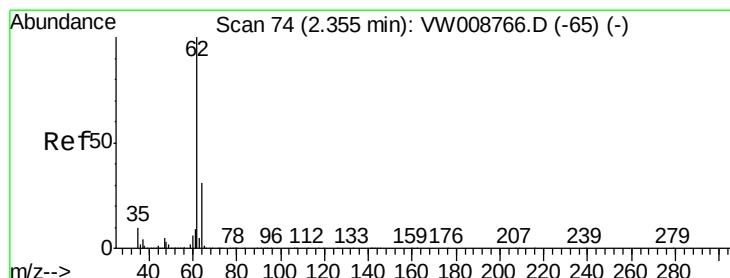
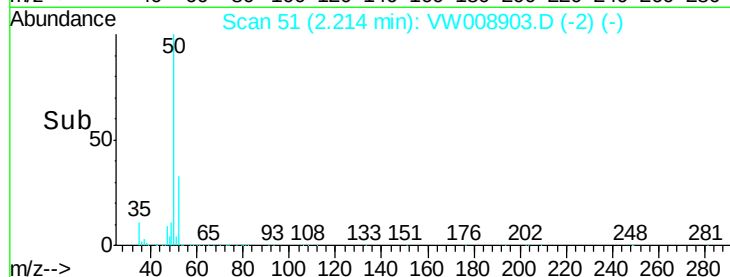
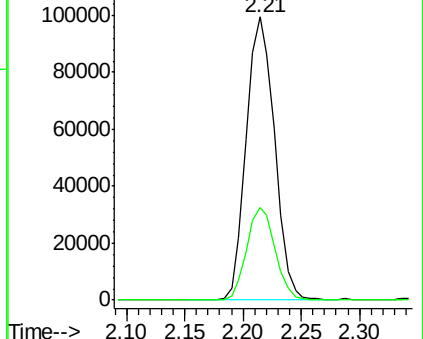
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.492 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008903.D

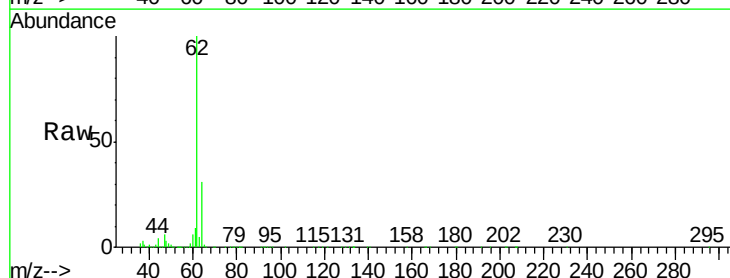
Acq: 28 Feb 2019 23:32

Tgt Ion: 62 Resp: 174885

Ion Ratio Lower Upper

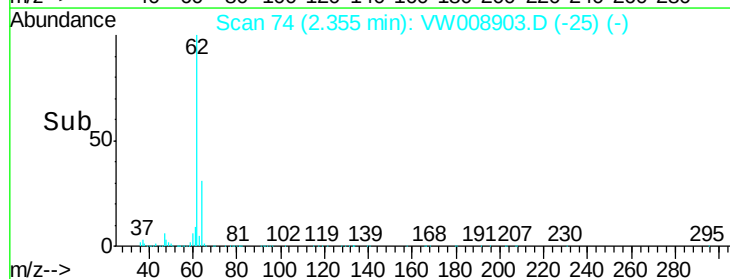
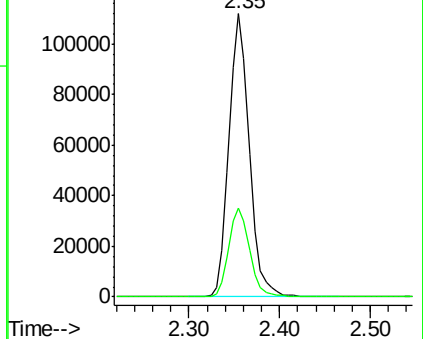
62 100

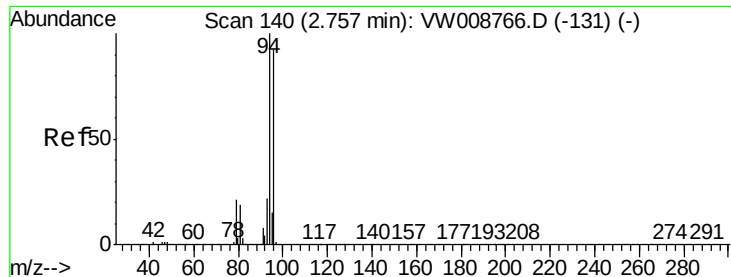
64 31.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.848 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 136079

Ion Ratio Lower Upper

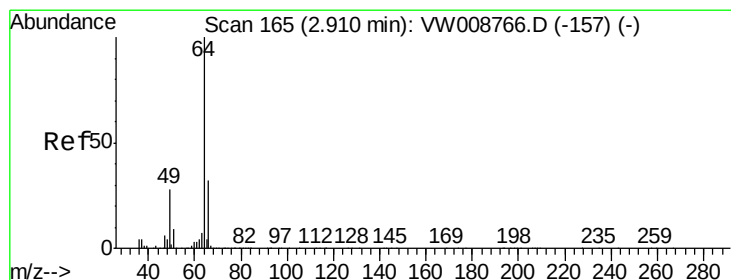
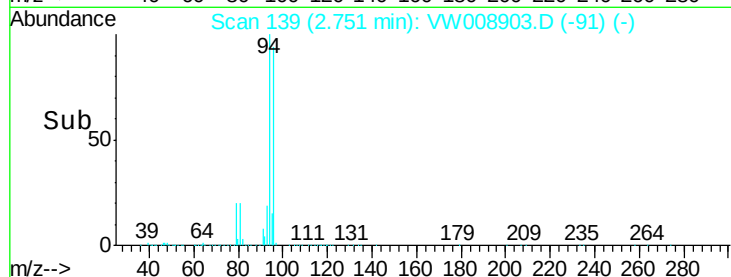
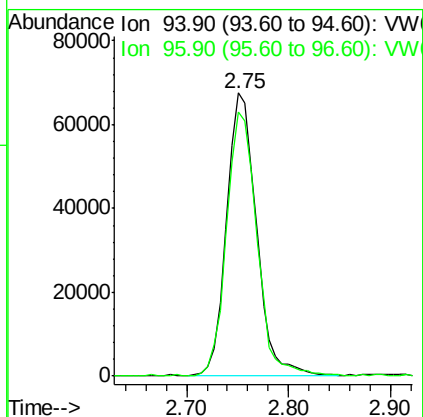
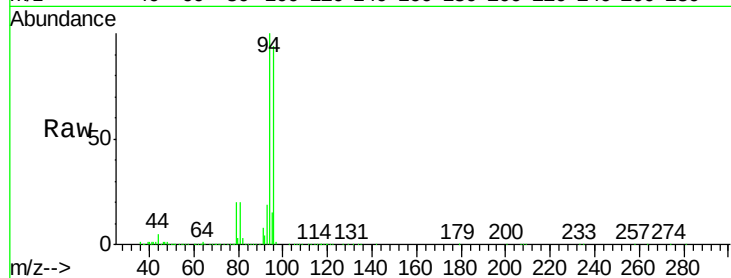
94 100

96 93.5 73.4 110.2

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#6

Chloroethane

Concen: 50.159 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008903.D

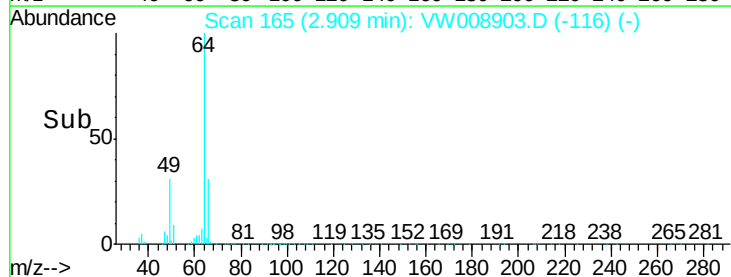
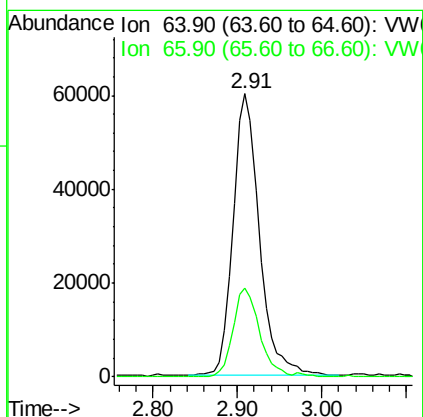
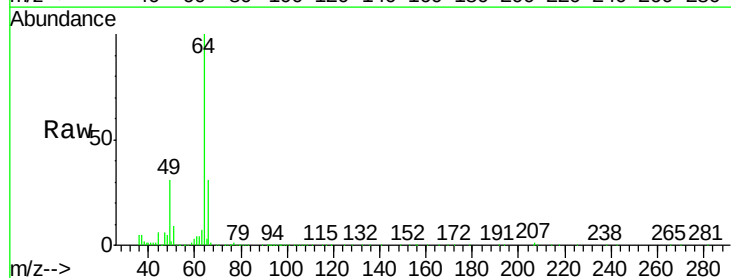
Acq: 28 Feb 2019 23:32

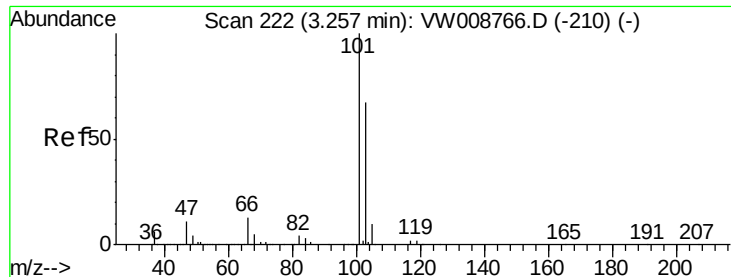
Tgt Ion: 64 Resp: 125860

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3





#7

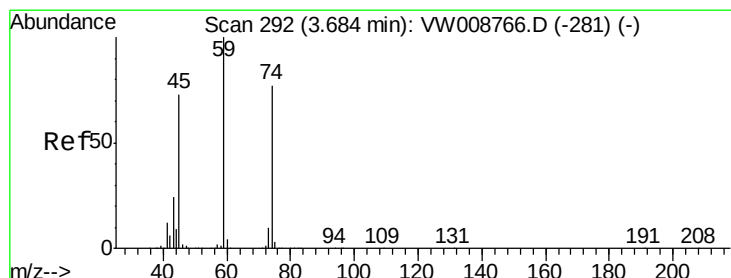
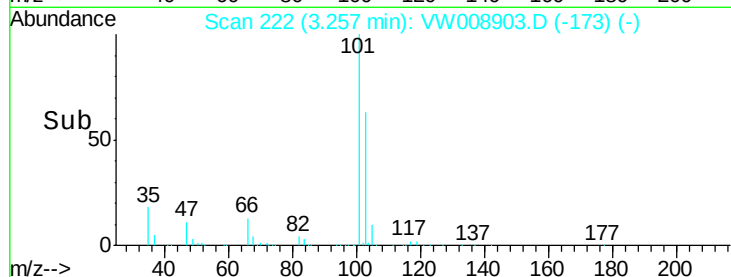
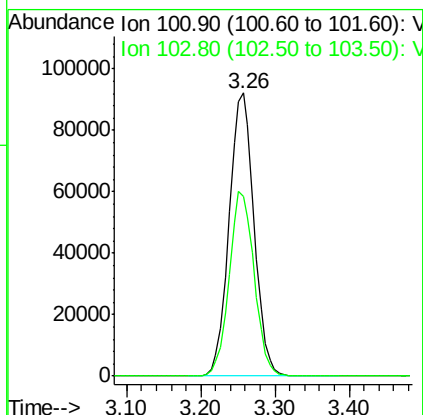
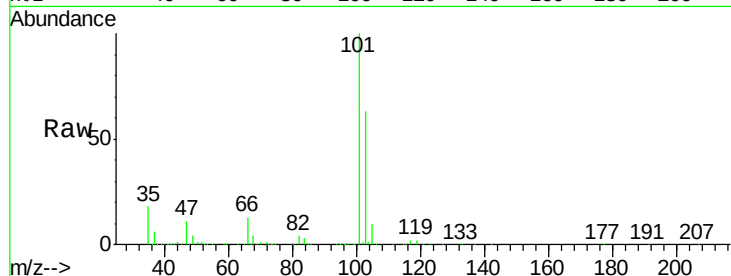
Trichlorofluoromethane
Concen: 48.250 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	215632		
103	63.3	53.9	80.9	

Manual Integrations
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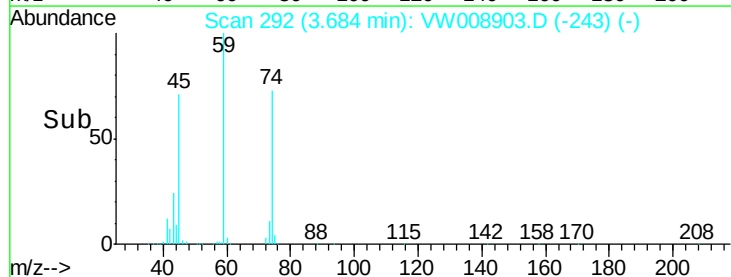
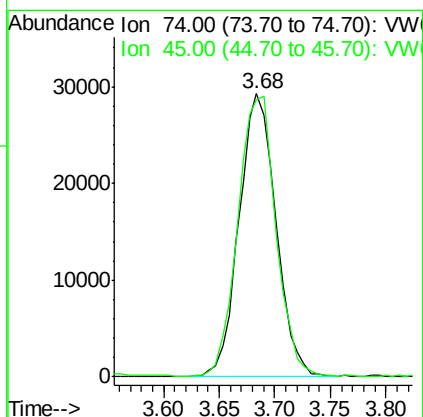
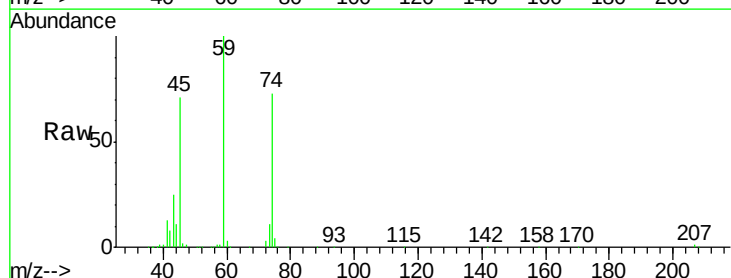
MMDadoda
3/1/2019 2:57:14 PM

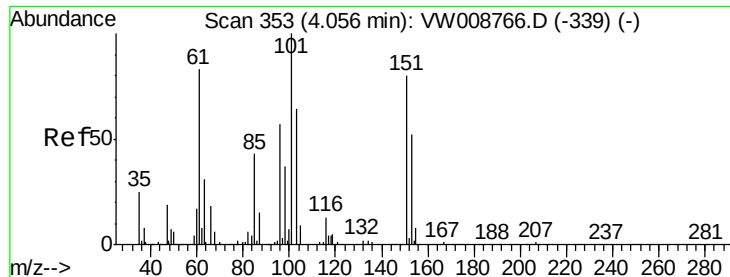


#8

Diethyl Ether
Concen: 47.709 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67503		
45	101.5	50.2	150.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.293 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

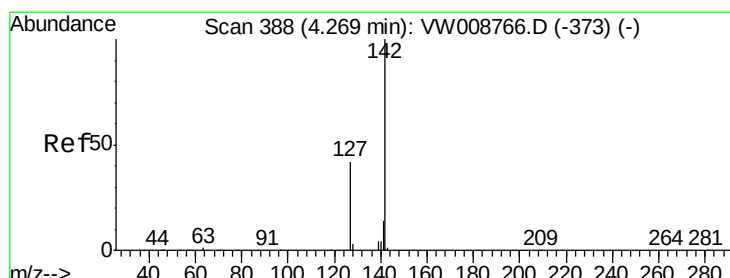
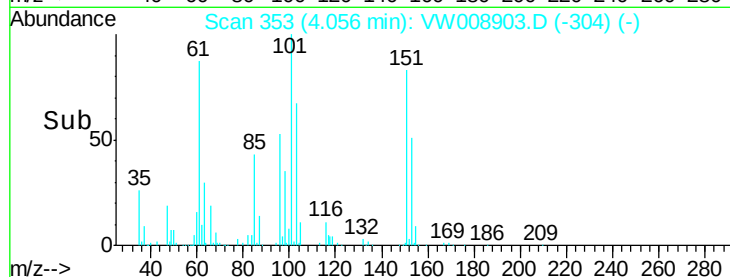
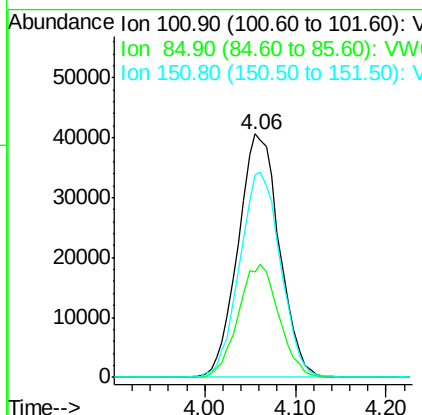
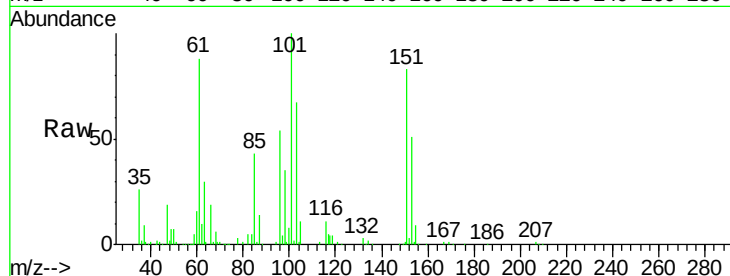
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128349
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	83.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 45.861 ug/l

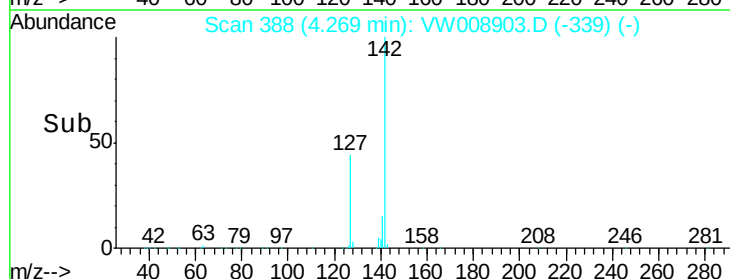
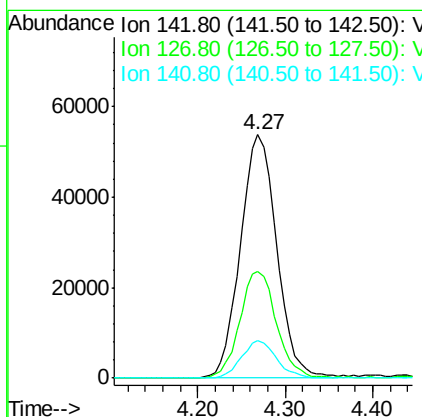
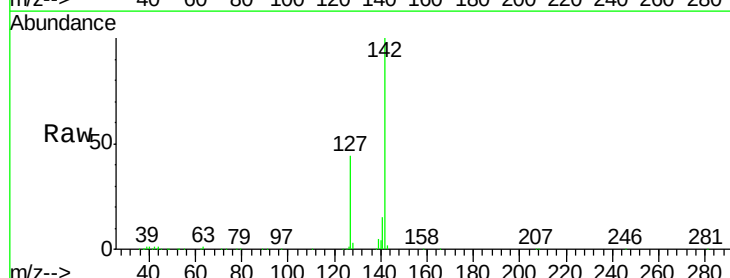
RT: 4.27 min Scan# 388

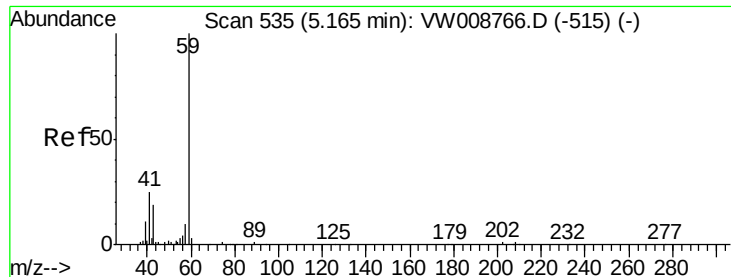
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	142	Resp:	155639
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	14.7	11.7	17.5





#11

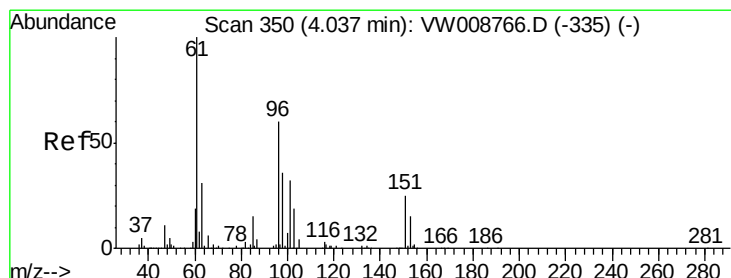
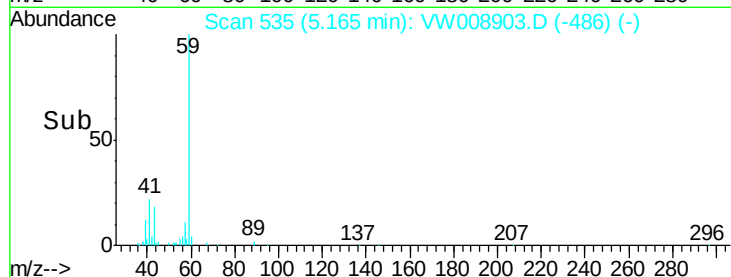
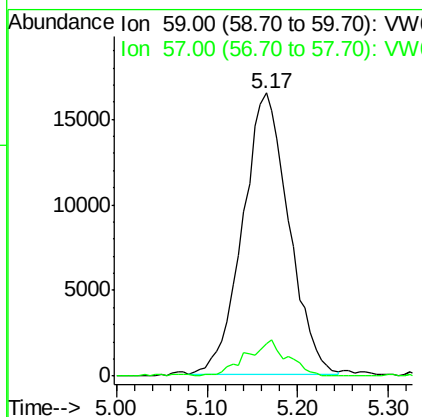
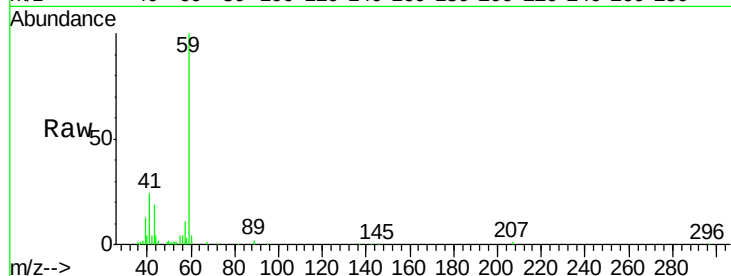
Tert butyl alcohol
Concen: 252.604 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.3	13.9

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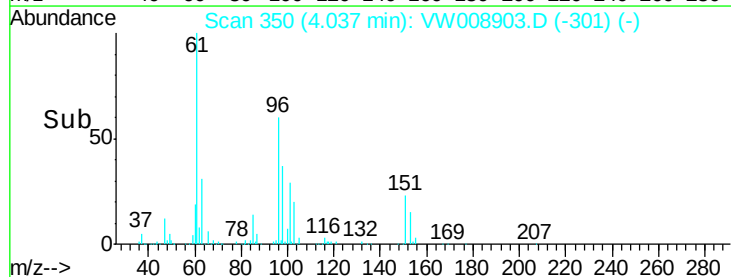
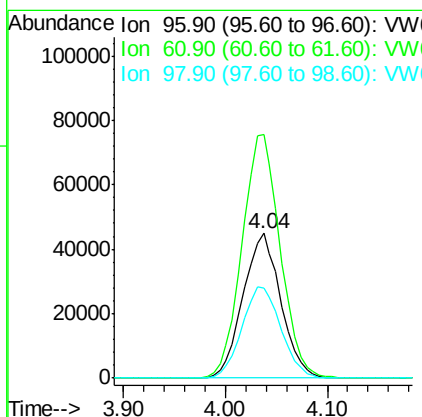
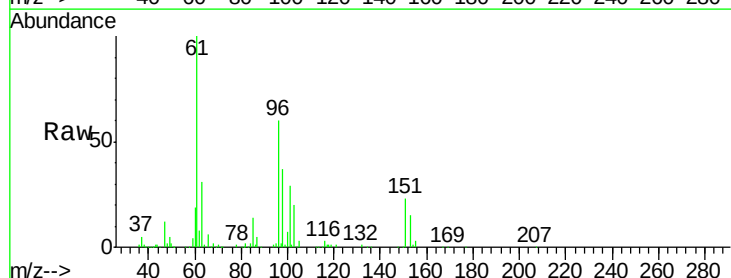
MMDadoda
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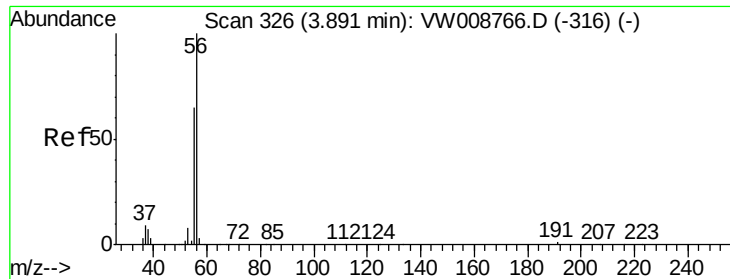


#12

1,1-Dichloroethene
Concen: 48.275 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	132.5	198.7
98	61.8	48.2	72.4





#13

Acrolein

Concen: 246.249 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59291

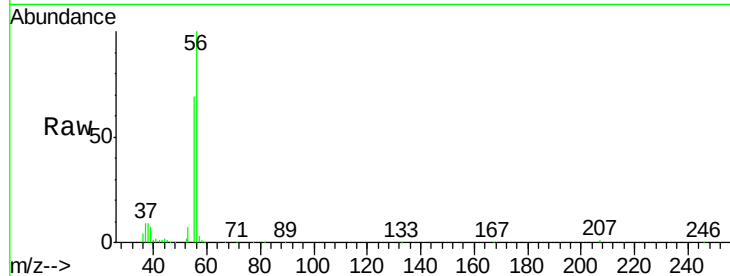
Ion Ratio Lower Upper

56 100

55 71.4 56.9 85.3

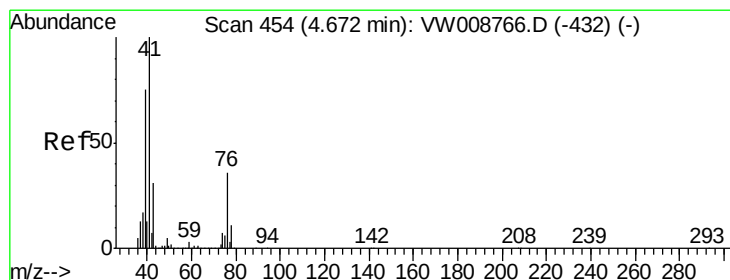
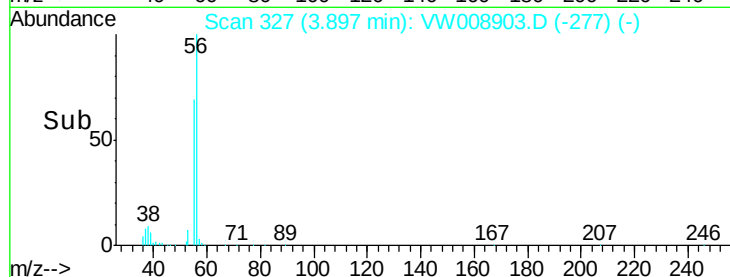
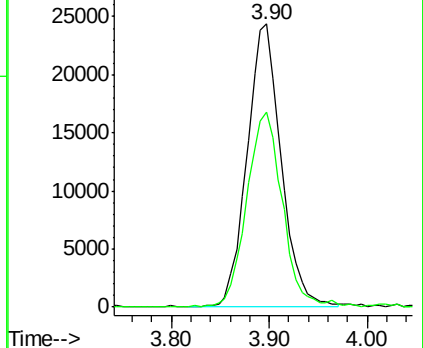
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.718 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

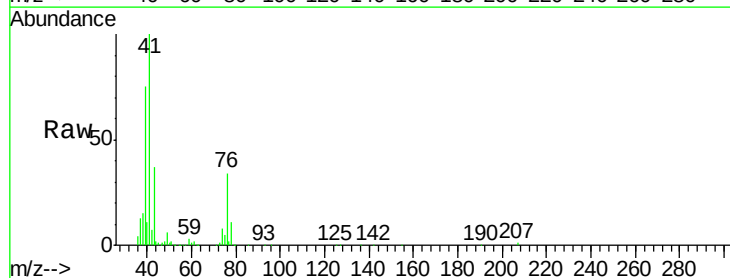
Tgt Ion: 41 Resp: 209803

Ion Ratio Lower Upper

41 100

39 76.6 60.6 91.0

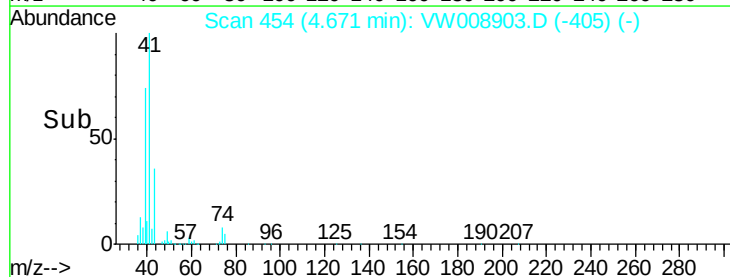
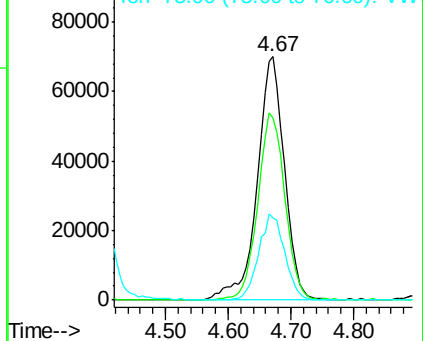
76 33.7 28.6 42.8

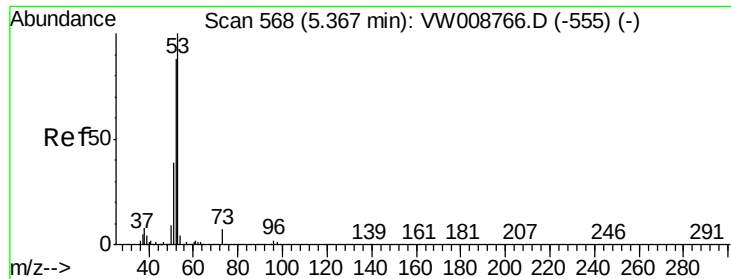


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 279.896 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

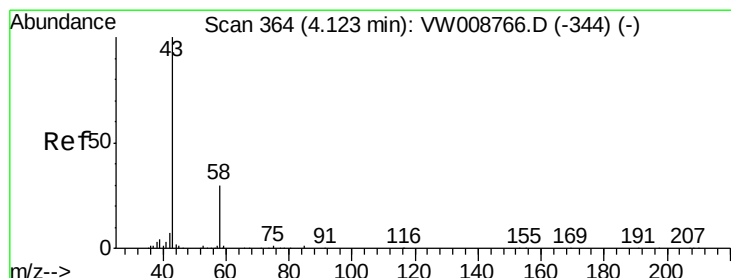
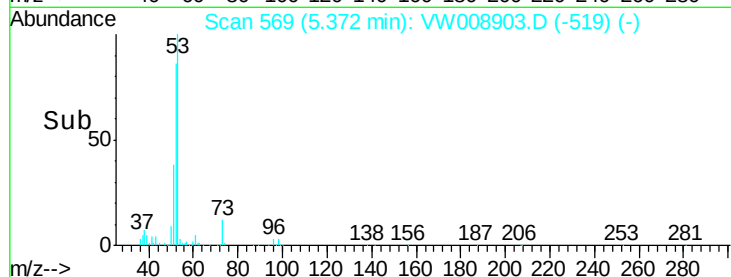
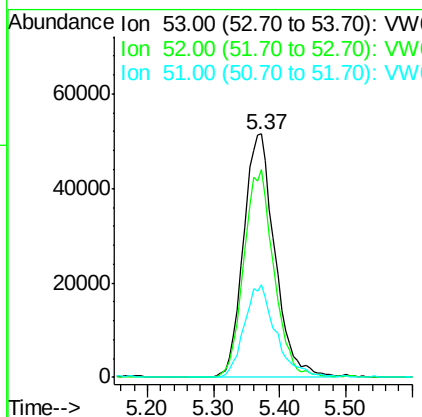
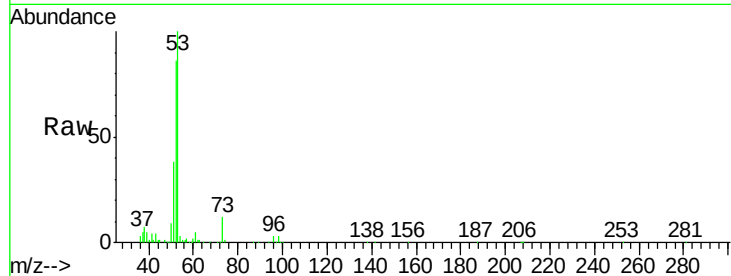
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	169958
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.2	100.8
51	38.5	31.1	46.7

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#16

Acetone

Concen: 239.541 ug/l

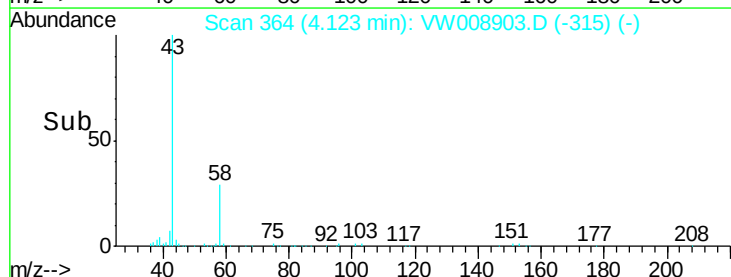
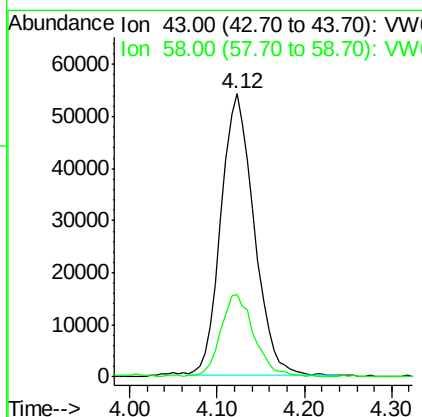
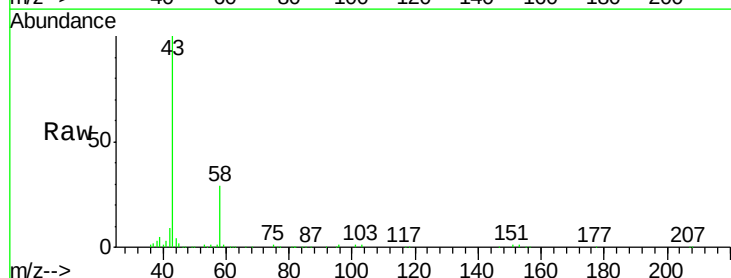
RT: 4.12 min Scan# 364

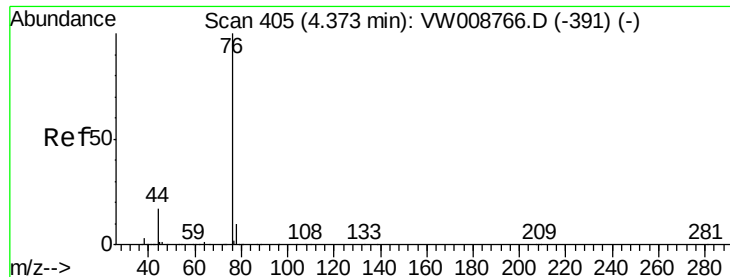
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	43	Resp:	142554
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.8	35.6





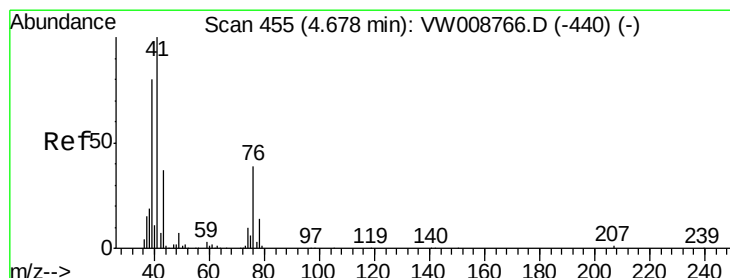
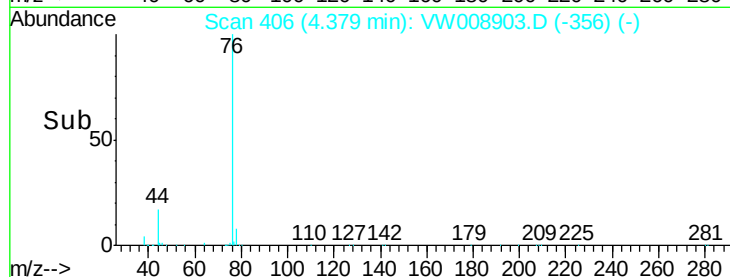
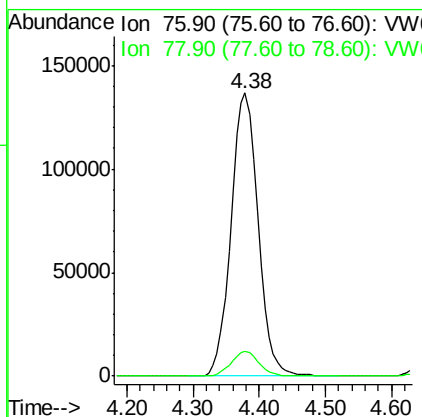
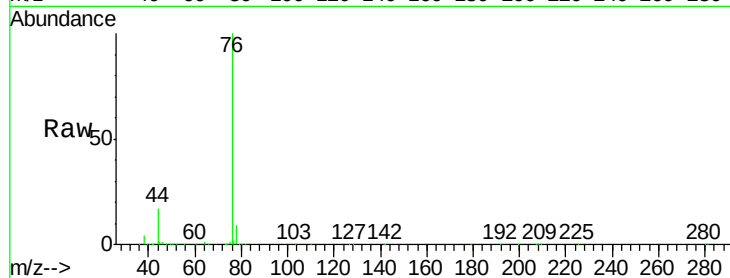
#17
Carbon Disulfide
Concen: 48.803 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.8

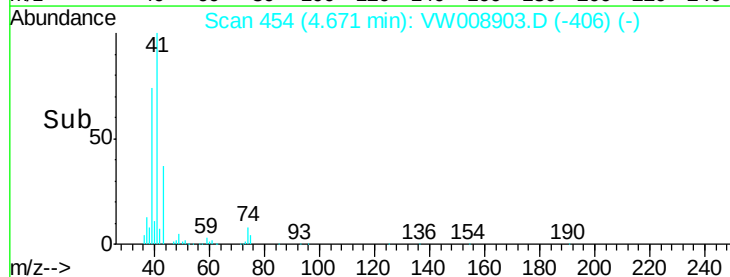
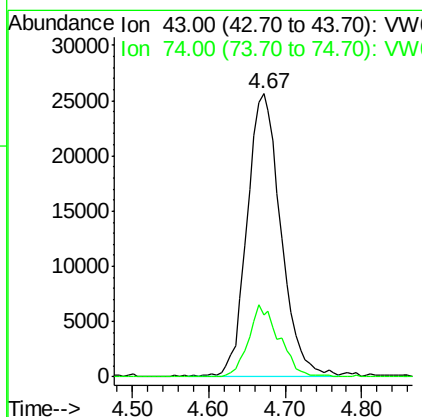
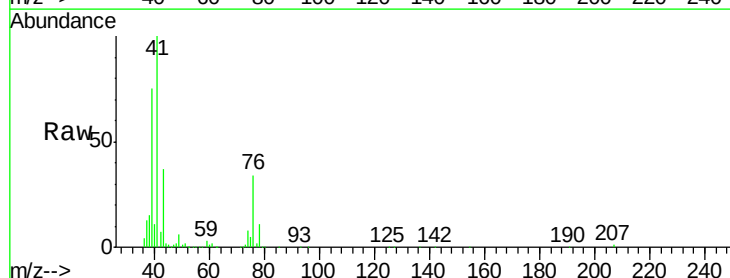
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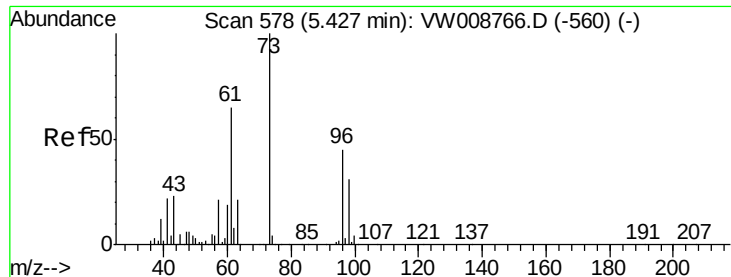
MMDadoda
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#18
Methyl Acetate
Concen: 56.018 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





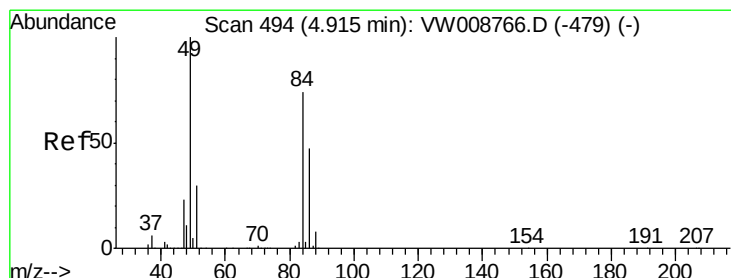
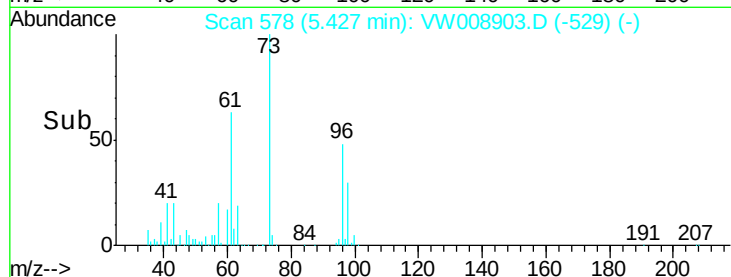
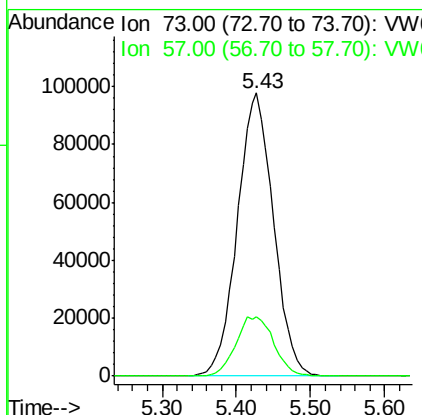
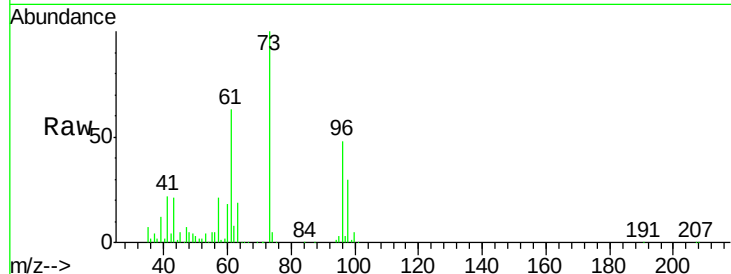
#19
Methyl tert-butyl Ether
Concen: 51.170 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 331959
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

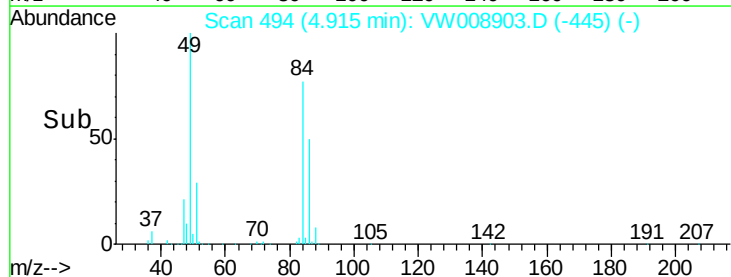
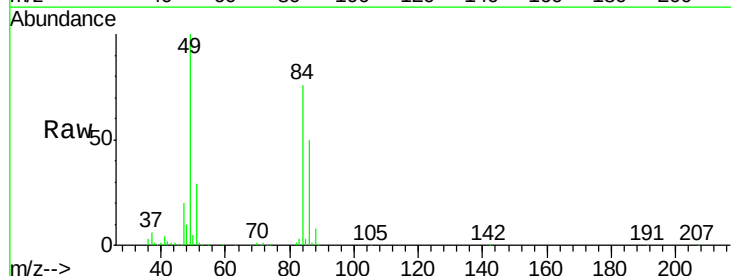
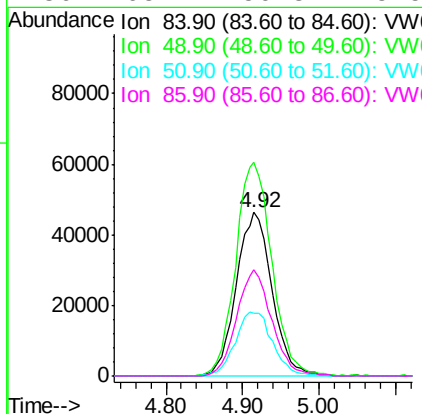
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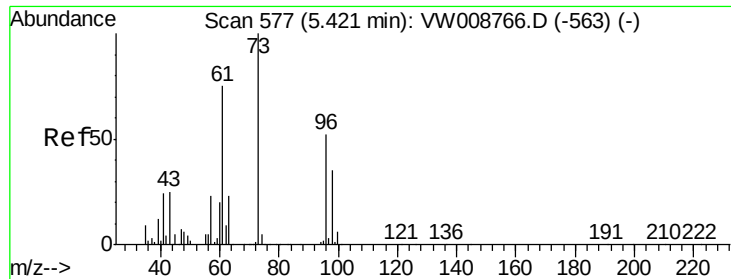
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#20
Methylene Chloride
Concen: 51.475 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 84 Resp: 150463
Ion Ratio Lower Upper
84 100
49 130.6 108.2 162.2
51 38.4 32.7 49.1
86 65.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.440 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

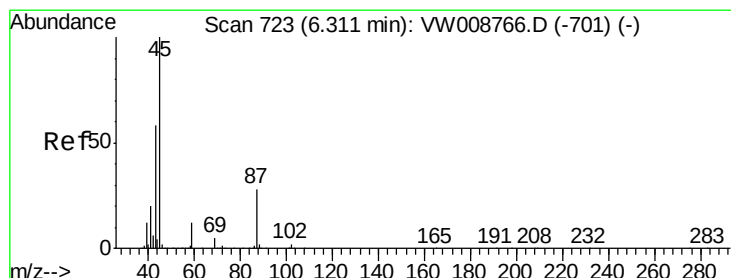
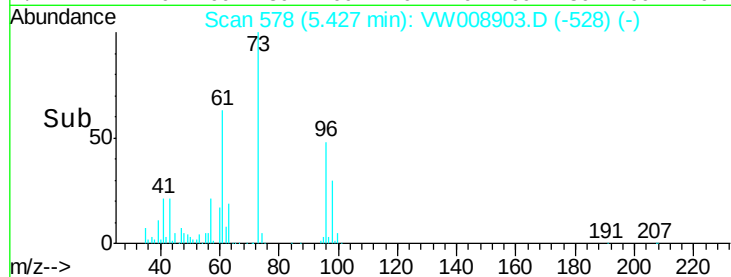
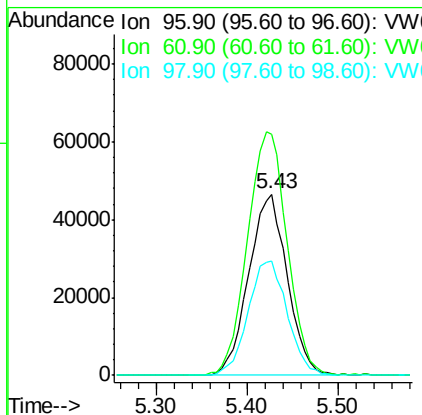
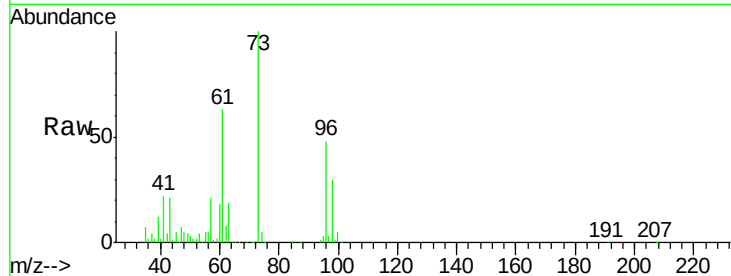
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	137071
Ion	Ratio	Lower	Upper
96	100		
61	132.9	114.6	171.8
98	63.5	54.0	81.0

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#22

Diisopropyl ether

Concen: 52.209 ug/l

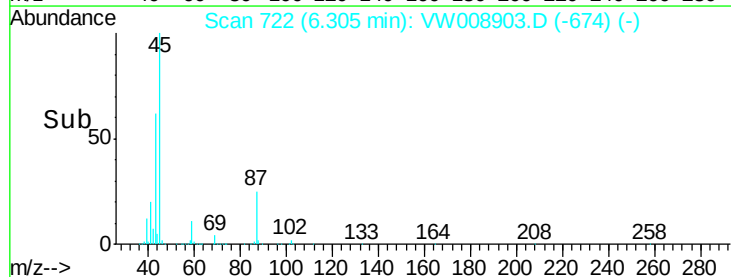
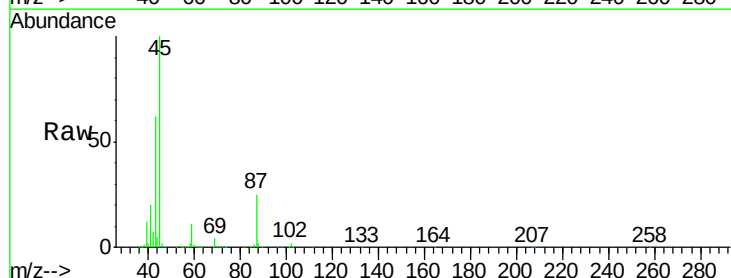
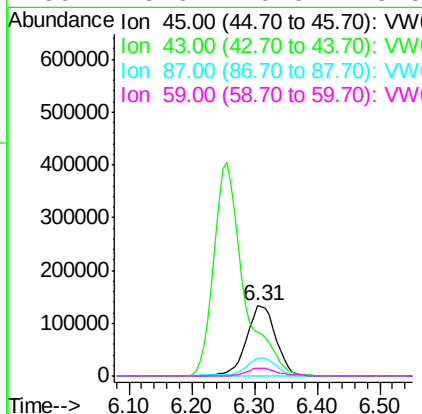
RT: 6.31 min Scan# 722

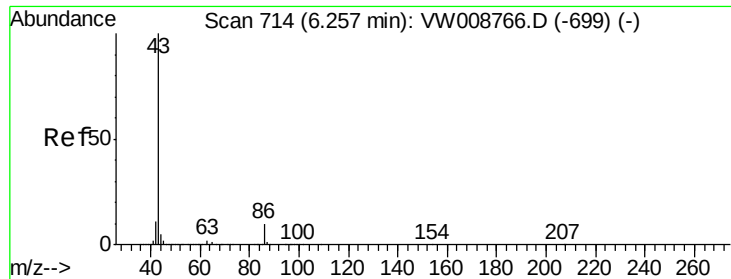
Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	45	Resp:	430826
Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.1	69.1
87	25.2	22.2	33.4
59	10.6	10.0	15.0





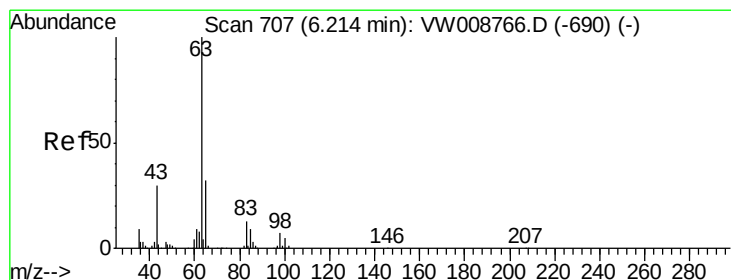
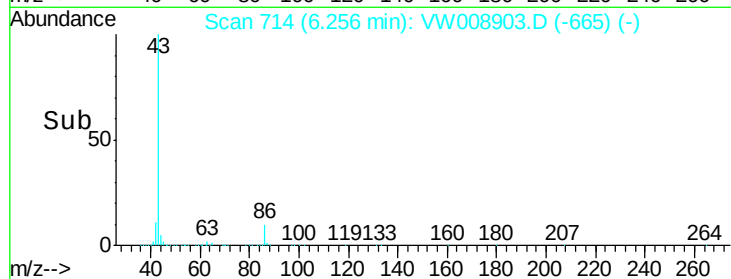
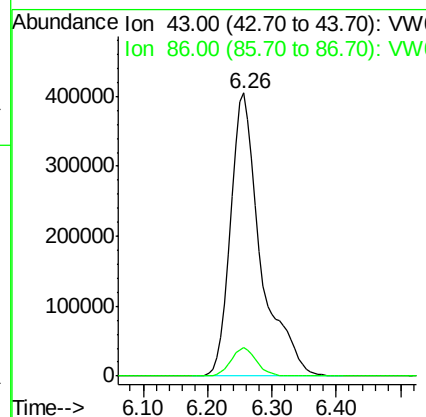
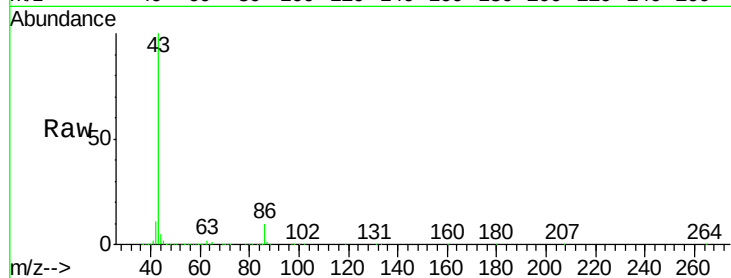
#23
 Vinyl Acetate
 Concen: 260.822 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1329789
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1

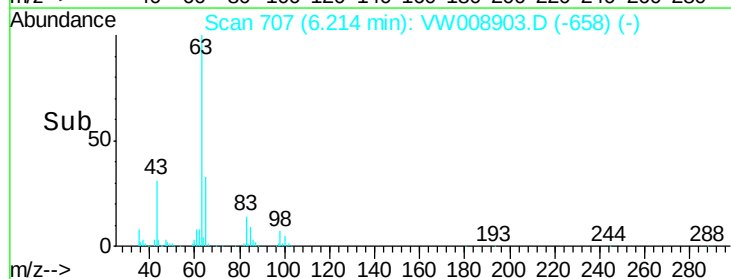
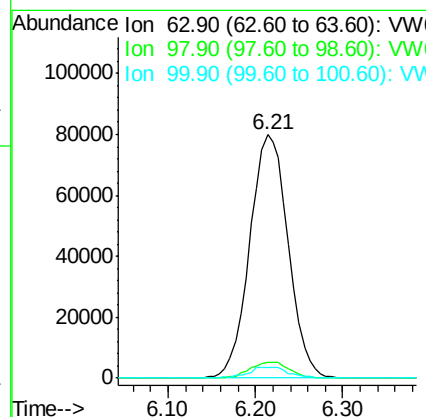
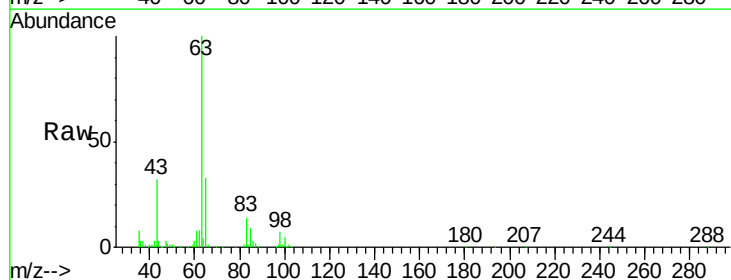
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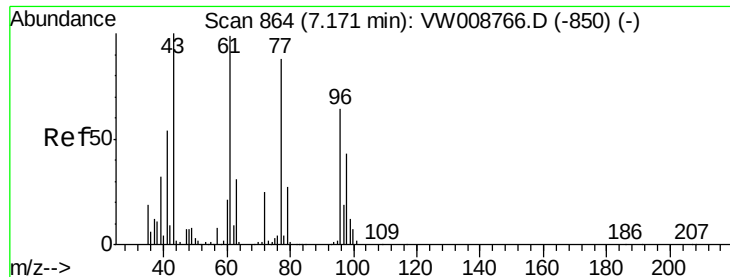
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#24
 1,1-Dichloroethane
 Concen: 51.071 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion: 63 Resp: 244210
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 4.6 2.4 7.2





#25

2-Butanone

Concen: 264.062 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219701

Ion Ratio Lower Upper

43 100

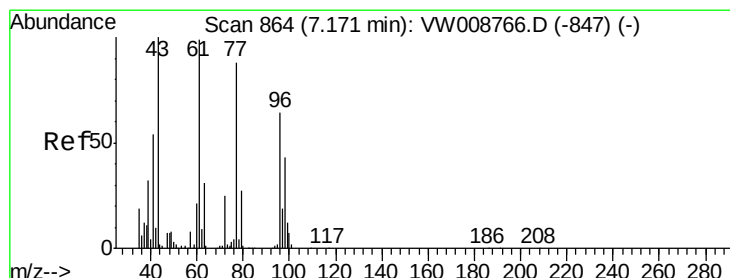
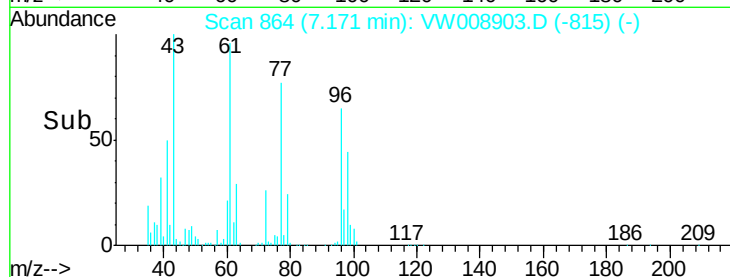
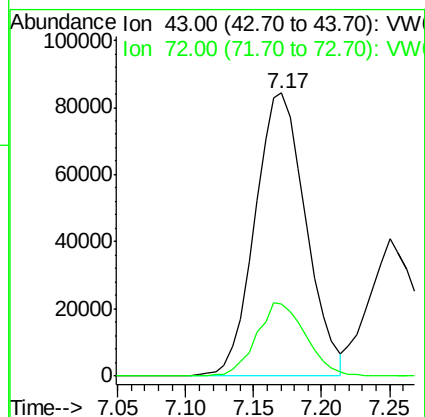
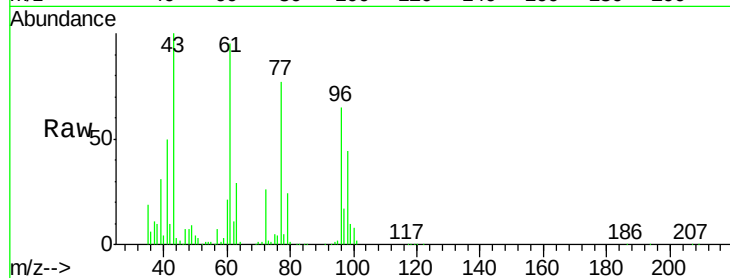
72 25.8 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.001 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008903.D

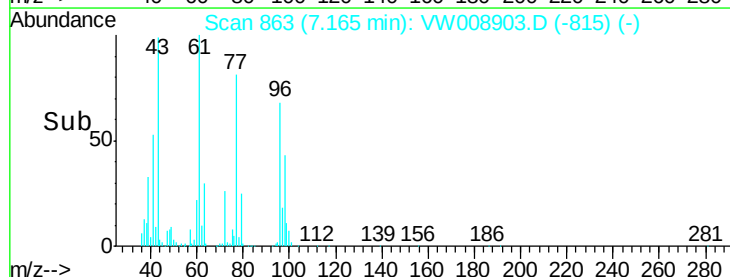
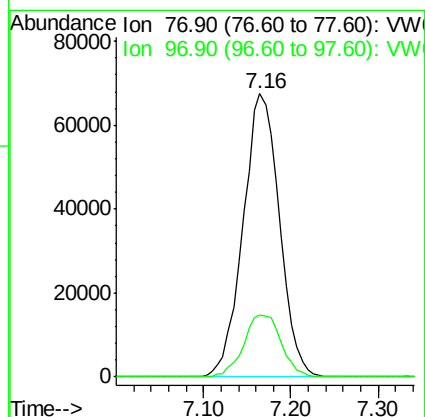
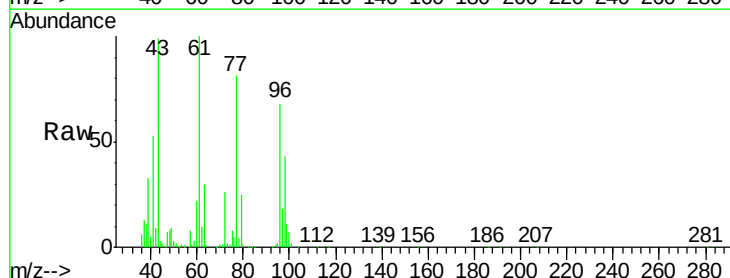
Acq: 28 Feb 2019 23:32

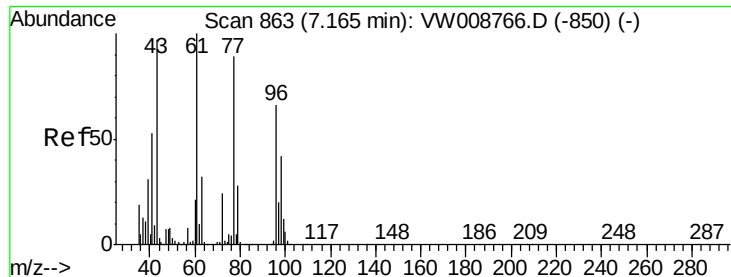
Tgt Ion: 77 Resp: 195359

Ion Ratio Lower Upper

77 100

97 22.6 11.0 33.0





#27

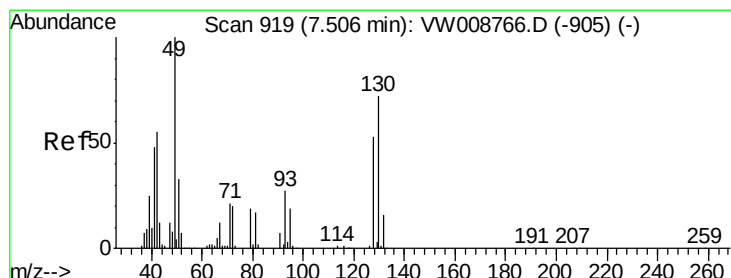
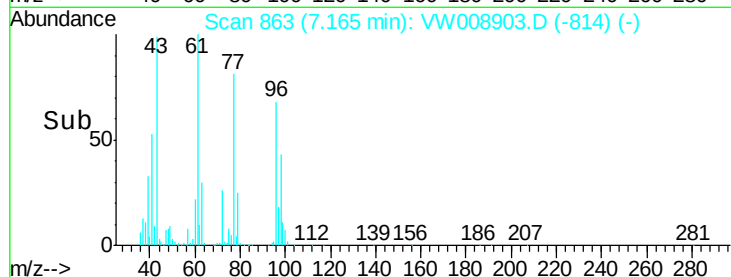
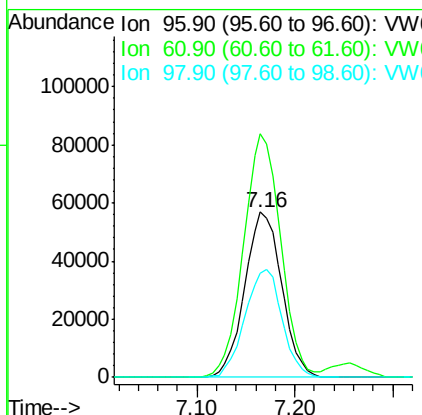
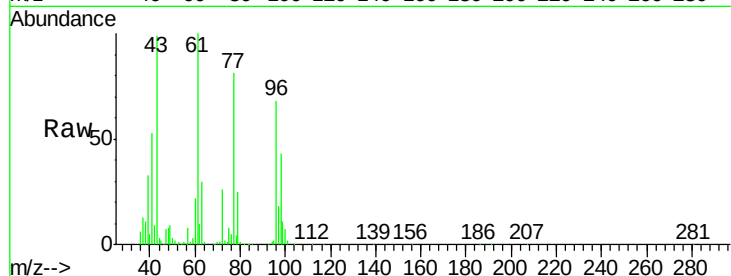
cis-1,2-Dichloroethene
Concen: 50.680 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150300		
61	147.6	0.0	302.6	
98	65.2	0.0	130.0	

Manual Integrations
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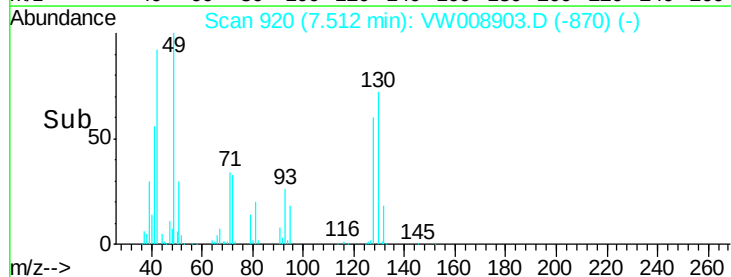
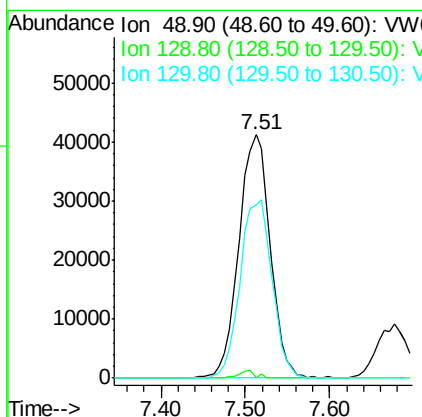
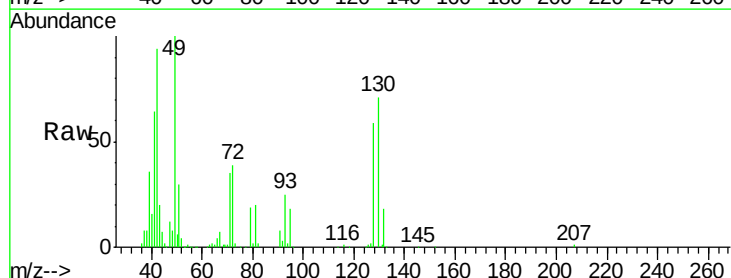
MMDadoda
3/1/2019 2:57:14 PM

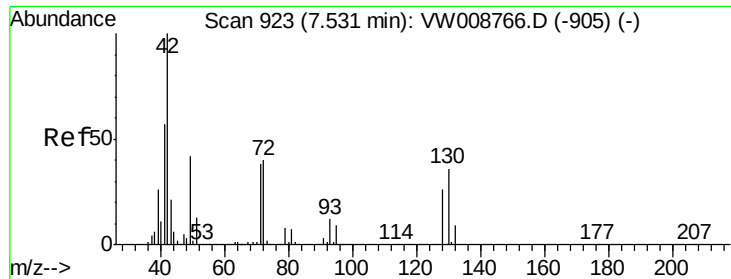


#28

Bromochloromethane
Concen: 51.577 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103206		
129	1.7	0.0	2.6	
130	74.8	61.3	91.9	





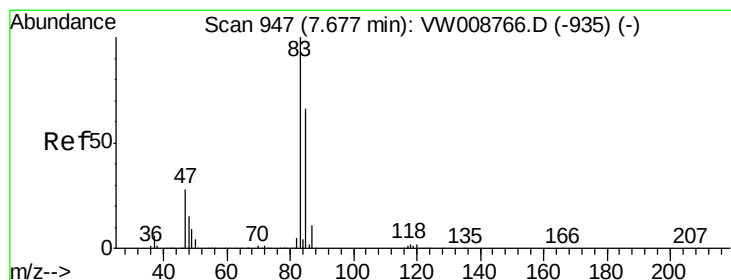
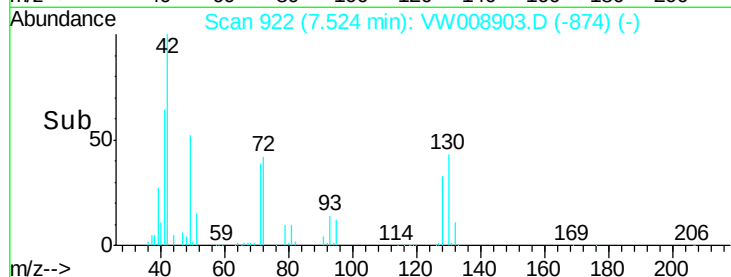
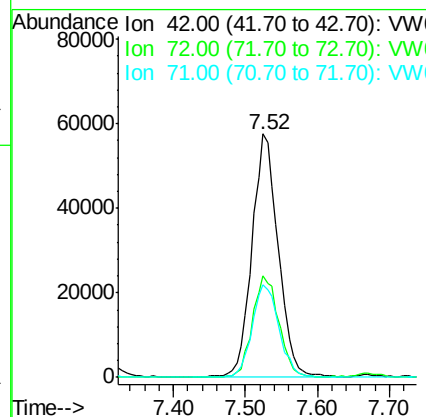
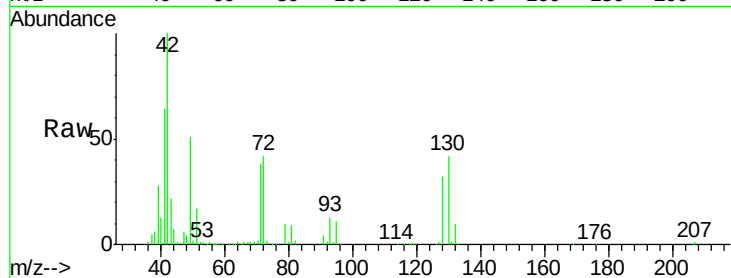
#29
Tetrahydrofuran
Concen: 274.863 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.7	49.1
71	38.9	31.3	46.9

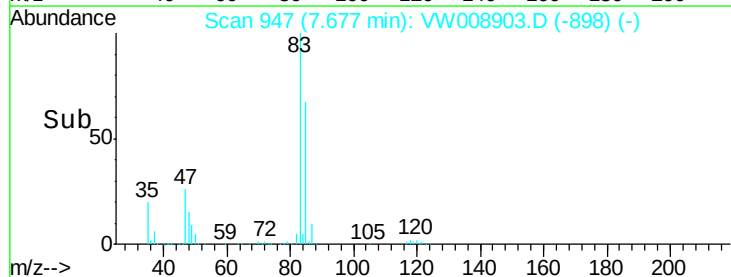
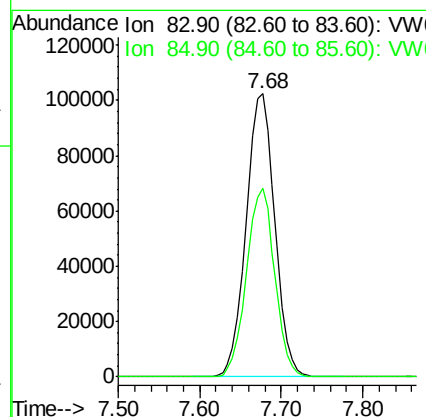
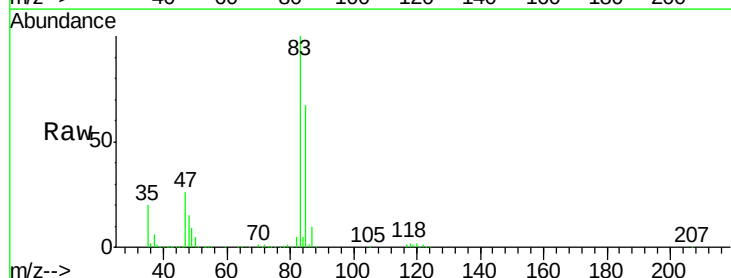
Manual Integrations
APPROVED

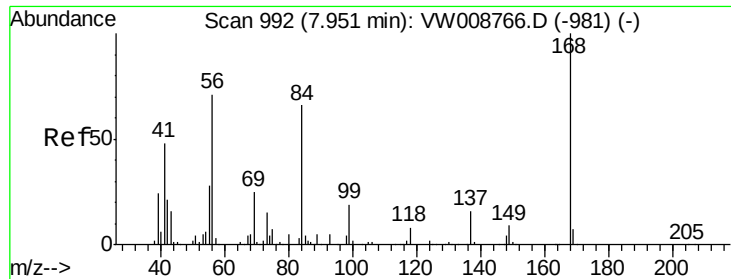
MMDadoda
3/1/2019 2:57:14 PM



#30
Chloroform
Concen: 51.018 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	79.0





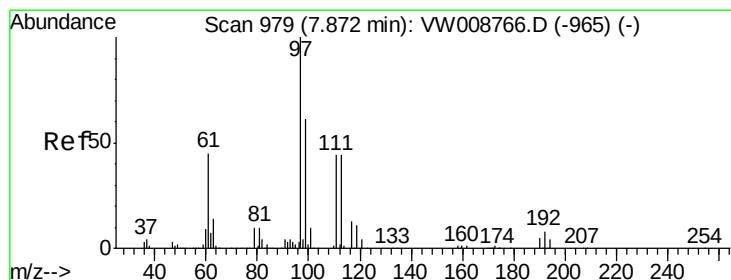
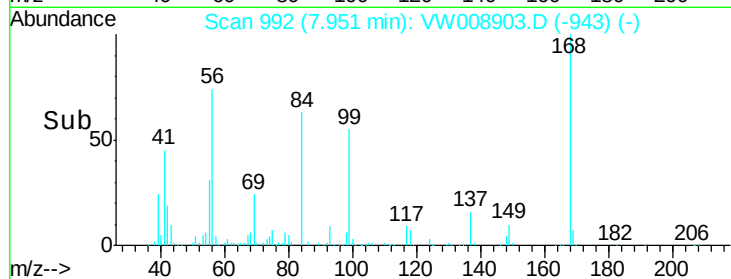
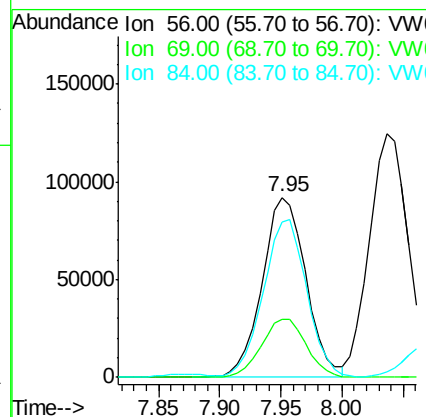
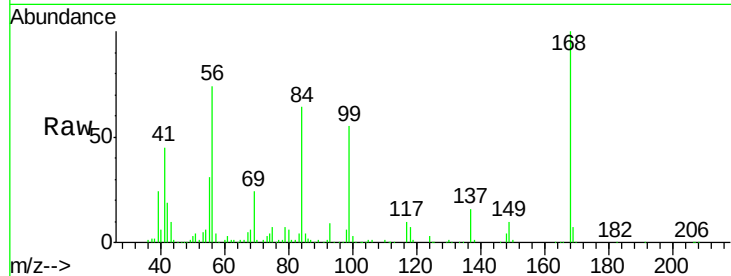
#31
Cyclohexane
Concen: 47.376 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.2	42.4
84	84.7	74.1	111.1

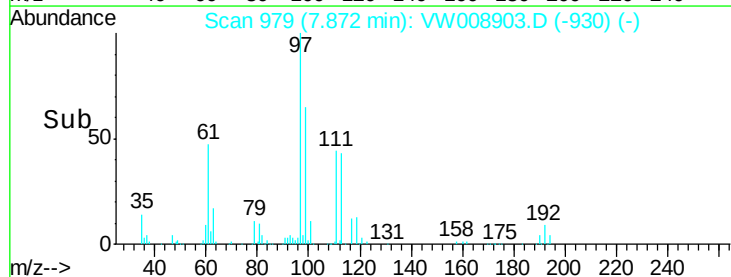
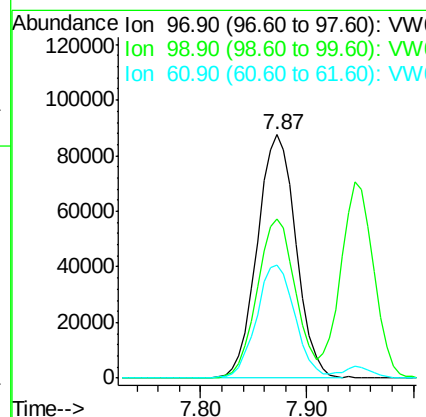
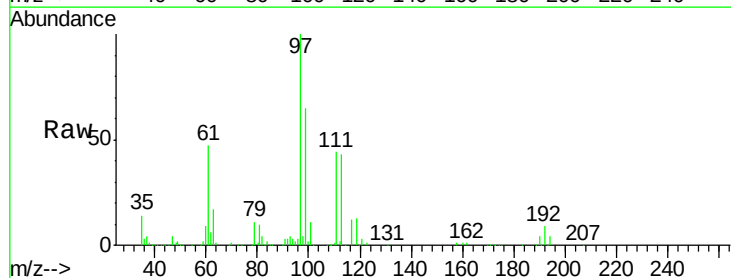
Manual Integrations
APPROVED

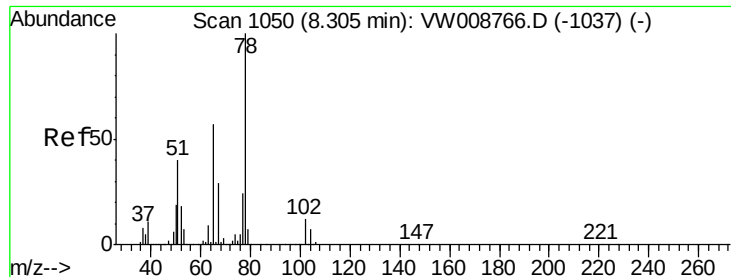
MMDadoda
3/1/2019 2:57:14 PM



#32
1,1,1-Trichloroethane
Concen: 49.903 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	46.4	36.0	54.0





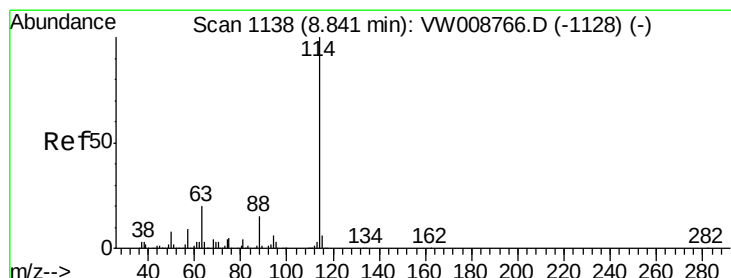
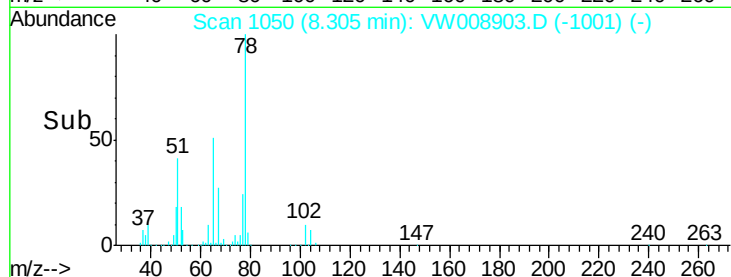
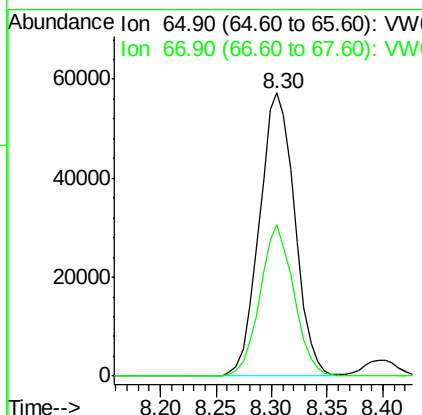
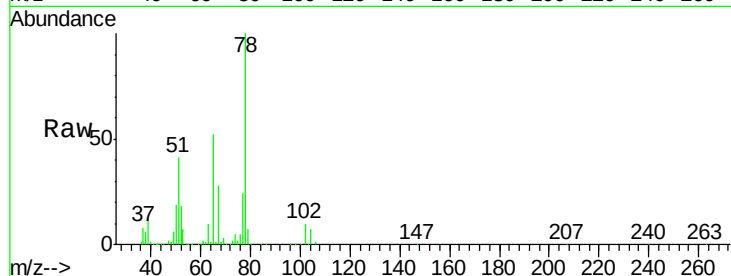
#33
 1,2-Dichloroethane-d4
 Concen: 49.462 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126991		
67	50.9	0.0	101.4	

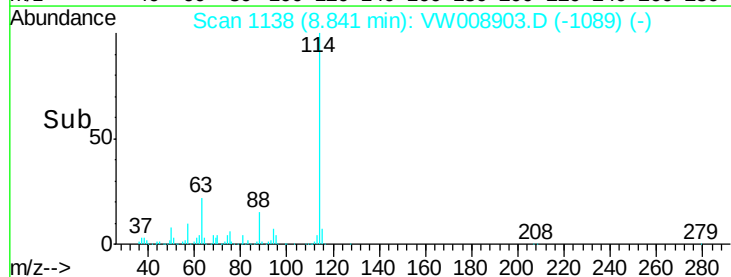
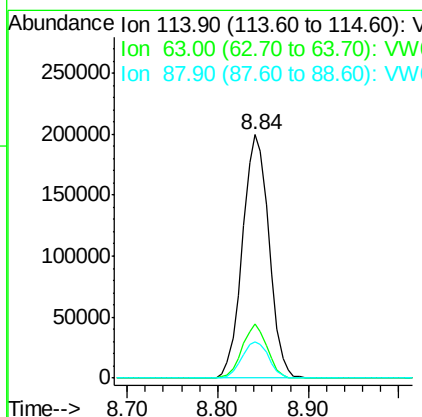
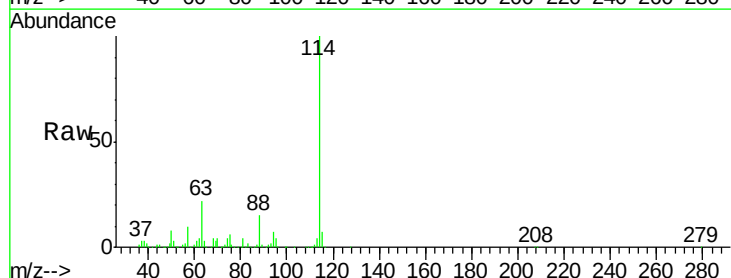
Manual Integrations
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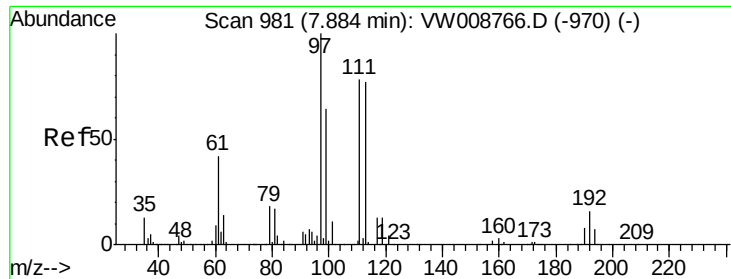
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401691		
63	22.4	0.0	40.8	
88	15.0	0.0	30.4	





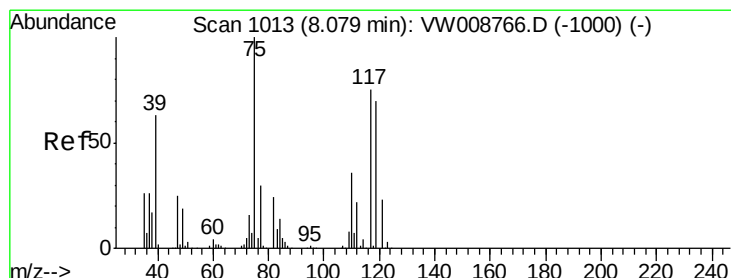
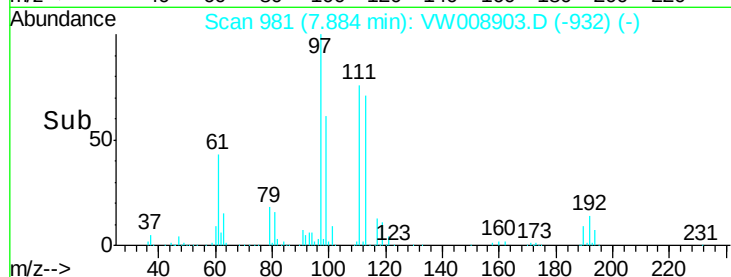
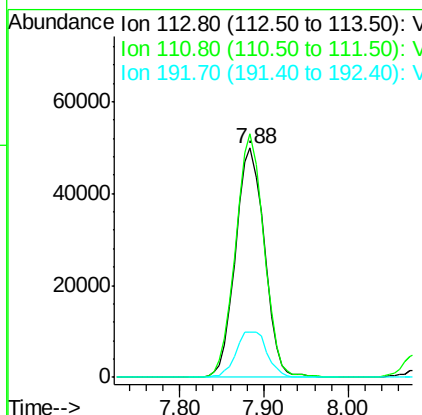
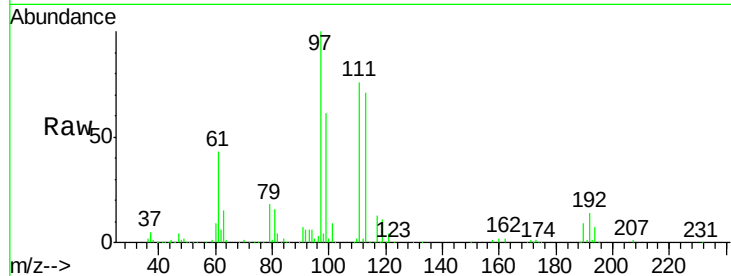
#35
 Dibromofluoromethane
 Concen: 48.041 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115866		
111	104.3	81.9	122.9	
192	21.3	17.1	25.7	

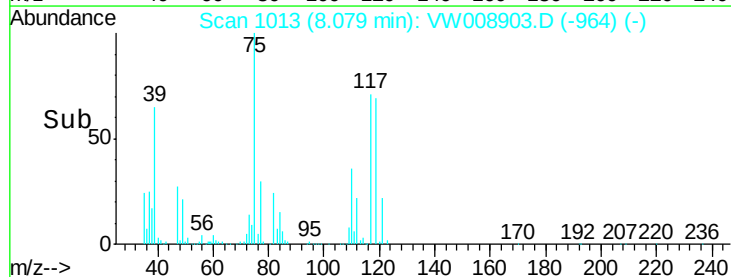
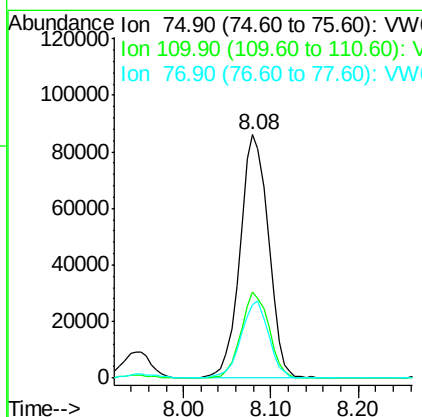
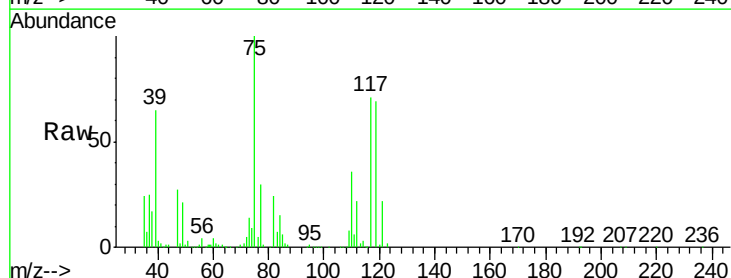
Manual Integrations
 APPROVED

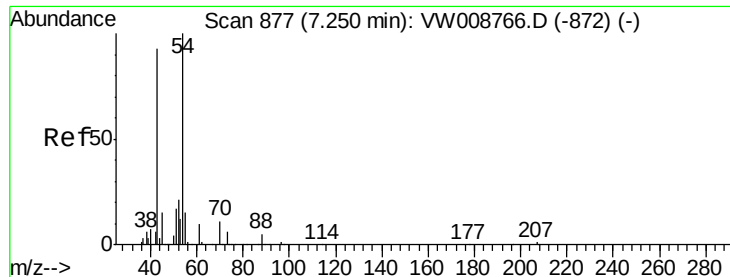
MMDadoda
 3/1/2019 2:57:14 PM



#36
 1,1-Dichloropropene
 Concen: 49.659 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194178		
110	35.0	17.5	52.6	
77	31.1	24.5	36.7	





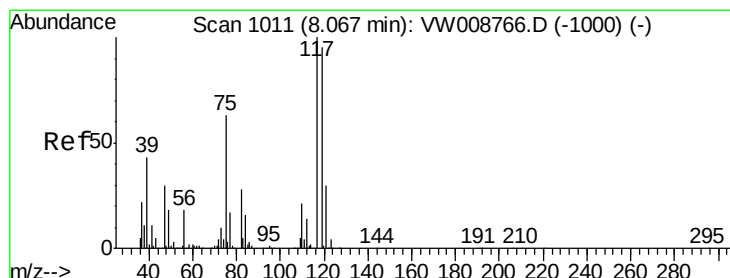
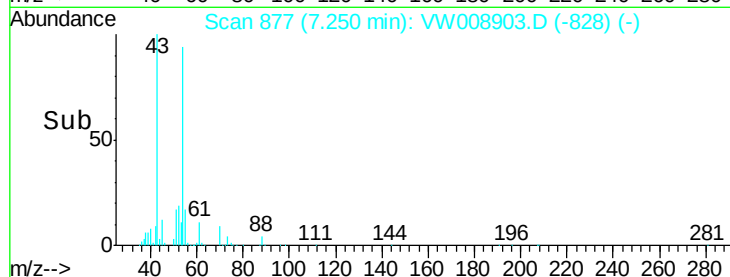
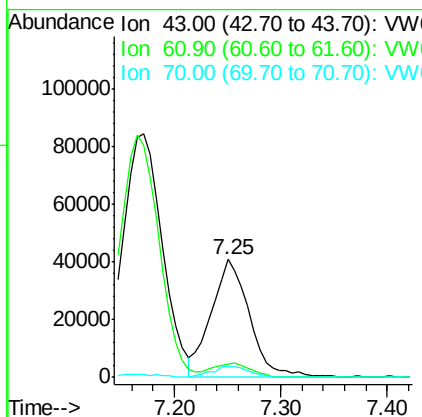
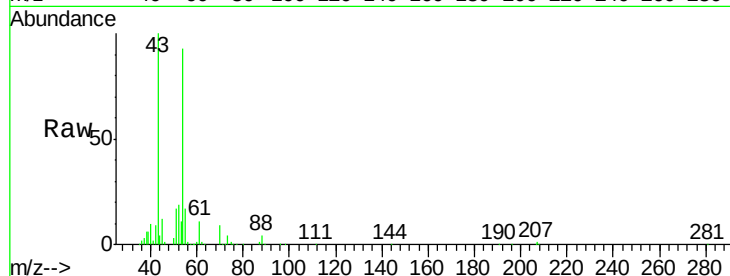
#37
Ethyl Acetate
Concen: 55.153 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.8	14.8
70	9.4	8.4	12.6

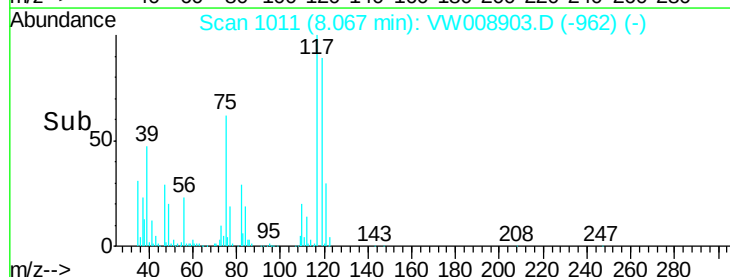
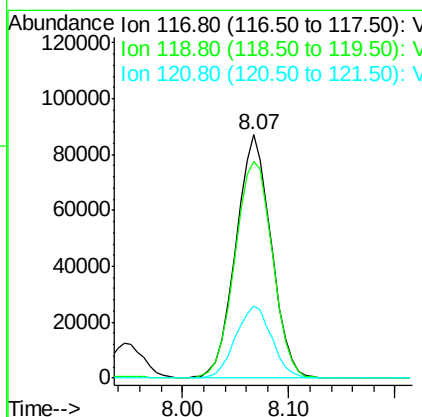
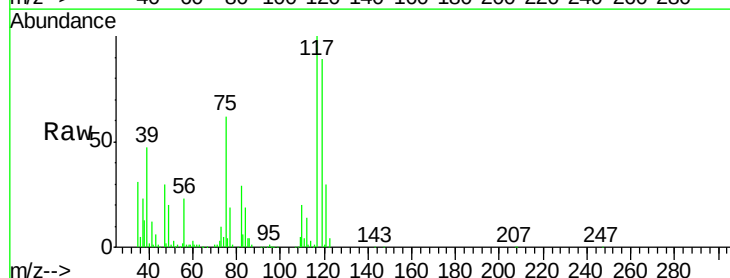
Manual Integrations
APPROVED

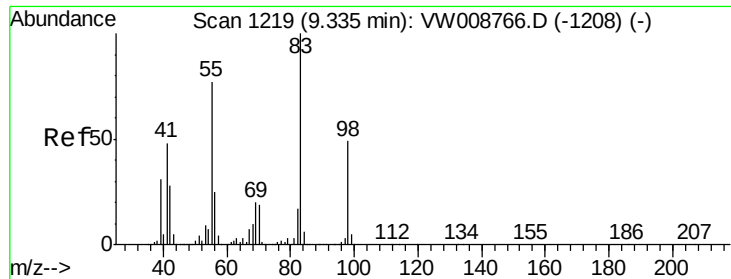
MMDadoda
3/1/2019 2:57:14 PM



#38
Carbon Tetrachloride
Concen: 49.249 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.1	114.1
121	29.7	24.0	36.0





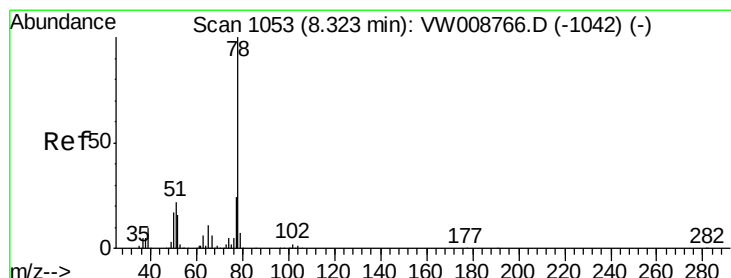
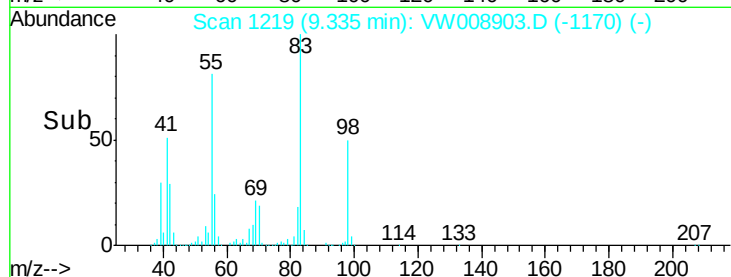
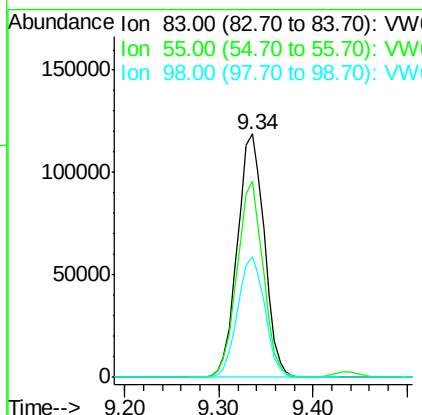
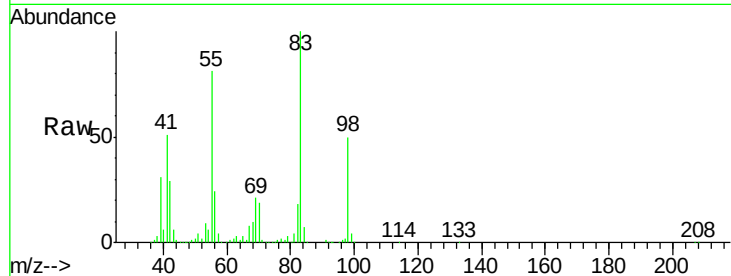
#39
Methylvlcyclohexane
Concen: 48.818 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	238101		
55	80.7		61.2	91.8
98	49.8		39.4	59.2

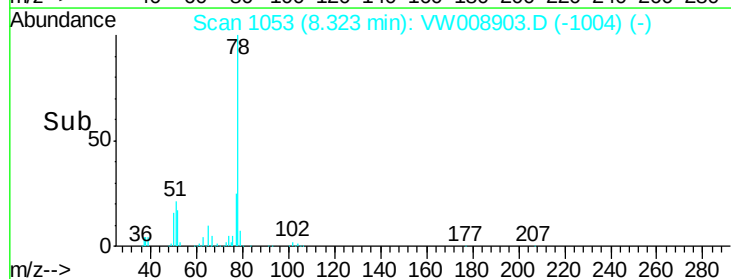
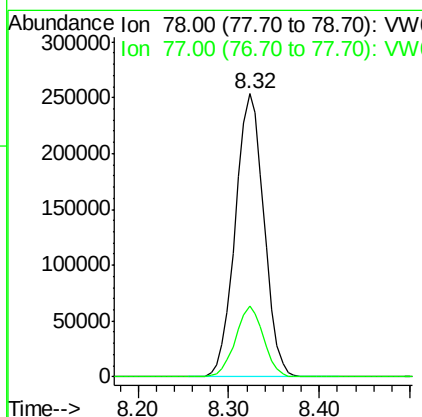
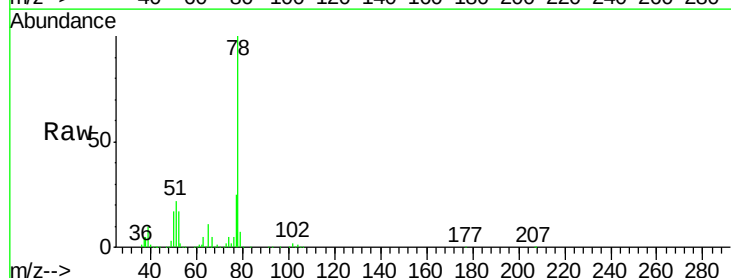
Manual Integrations
APPROVED

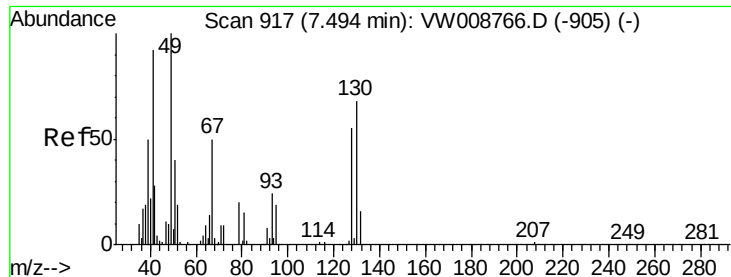
MMDadoda
3/1/2019 2:57:14 PM



#40
Benzene
Concen: 51.897 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	554061		
77	24.9		19.3	28.9





#41

Methacrylonitrile

Concen: 53.123 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 56779

Ion Ratio Lower Upper

41 100

39 55.0 52.5 78.7

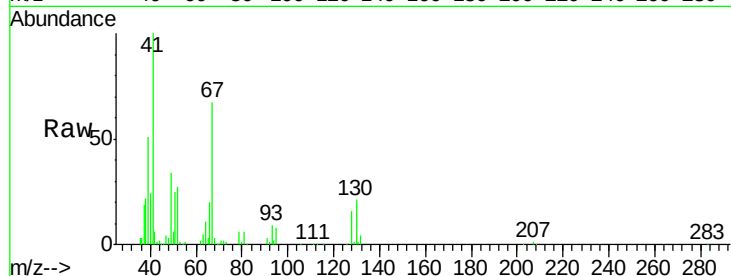
67 67.3 55.0 82.6

52 31.4 26.9 40.3

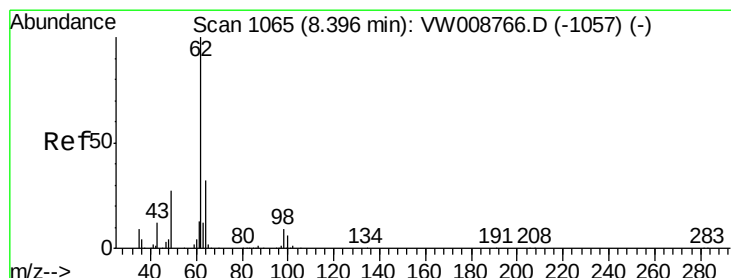
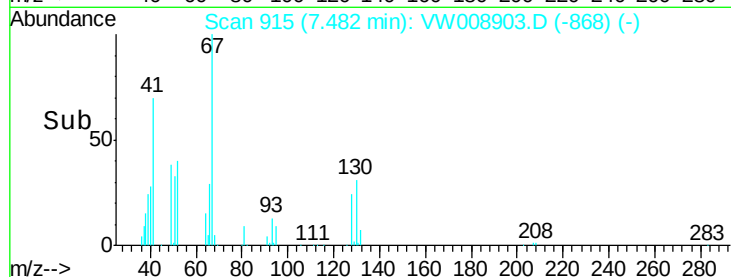
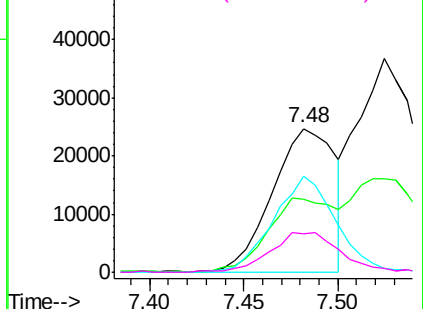
Manual Integrations
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MMDadoda

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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.614 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008903.D

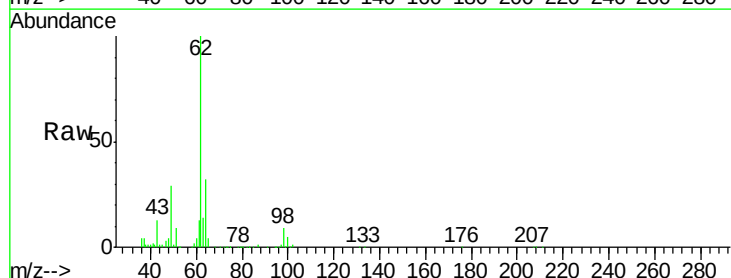
Acq: 28 Feb 2019 23:32

Tgt Ion: 62 Resp: 174554

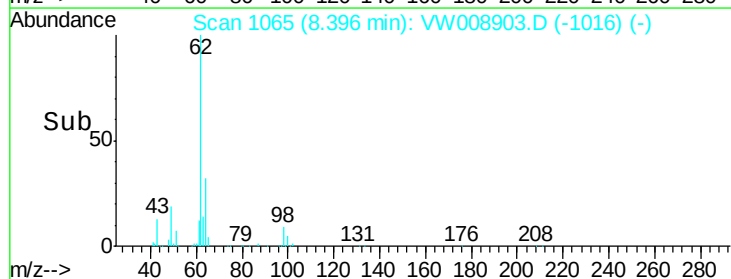
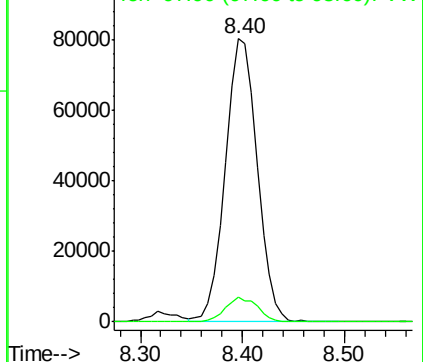
Ion Ratio Lower Upper

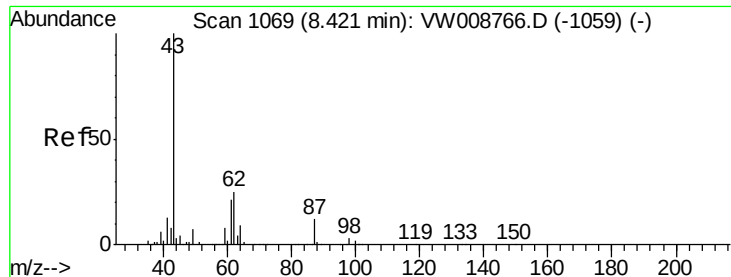
62 100

98 8.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.157 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

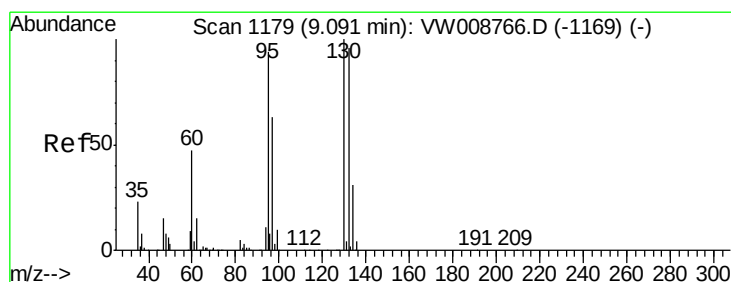
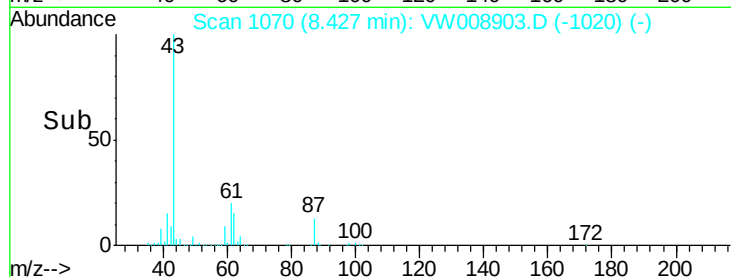
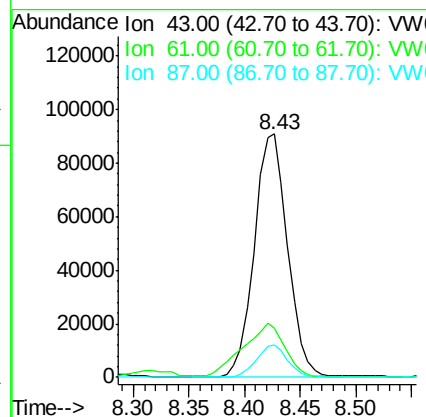
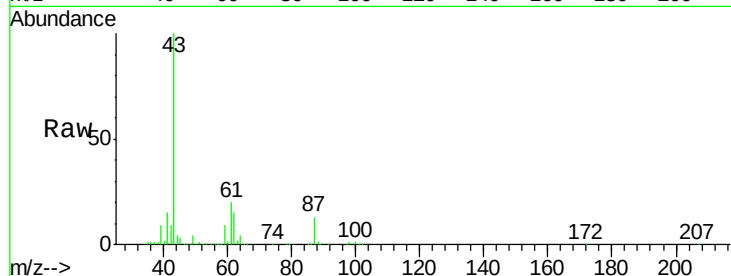
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	189279
Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.2	34.8
87	12.6	9.9	14.9

Manual Integrations
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3/1/2019 2:57:14 PM



#44

Trichloroethene

Concen: 50.253 ug/l

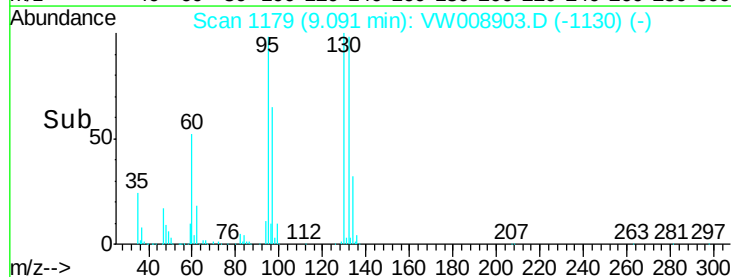
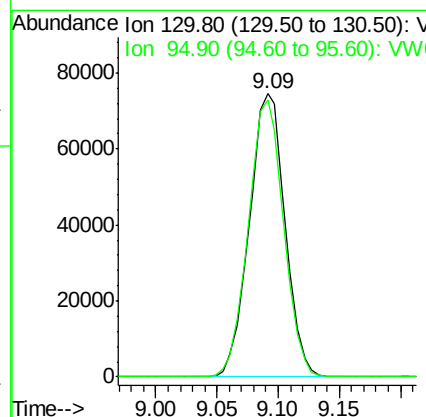
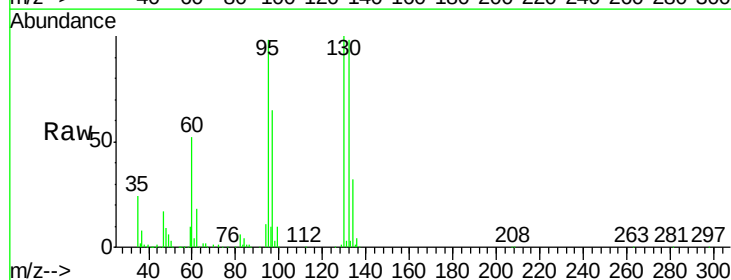
RT: 9.09 min Scan# 1179

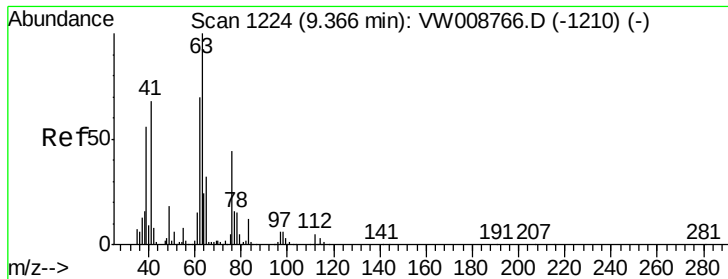
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	130	Resp:	151137
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	188.6





#45

1,2-Dichloropropane

Concen: 51.706 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 136412

Ion Ratio Lower Upper

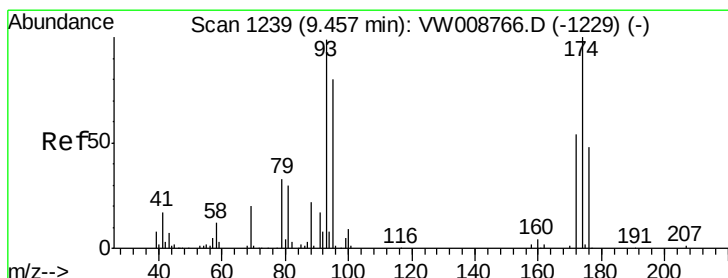
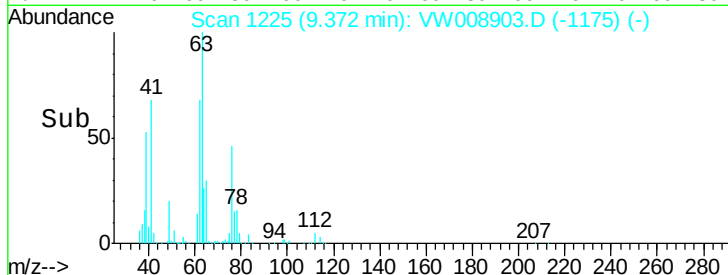
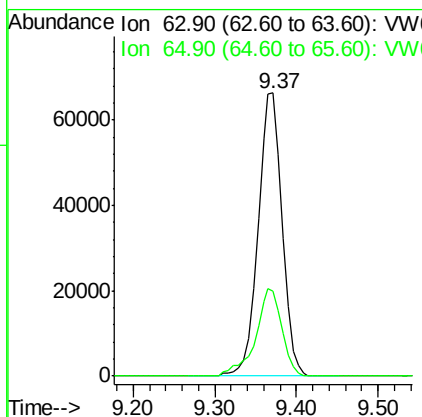
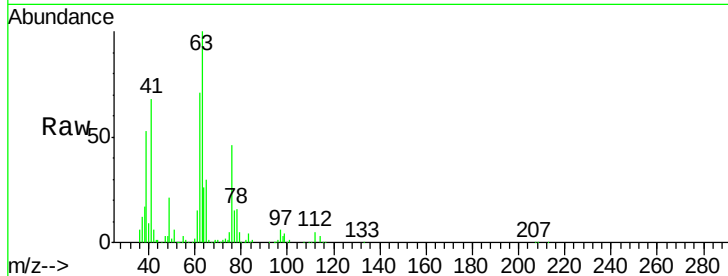
63 100

65 29.9 25.5 38.3

Manual Integrations
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#46

Dibromomethane

Concen: 51.236 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

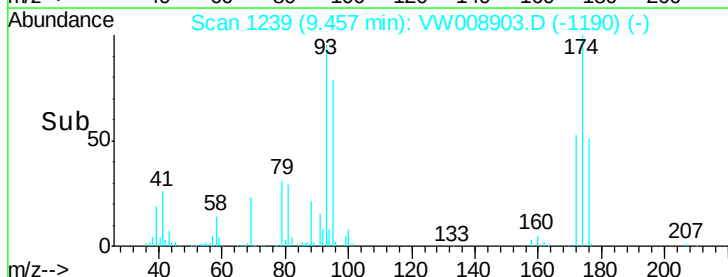
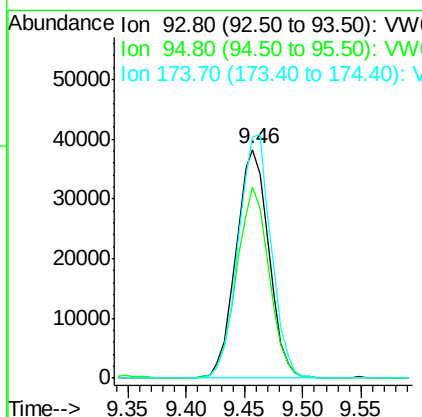
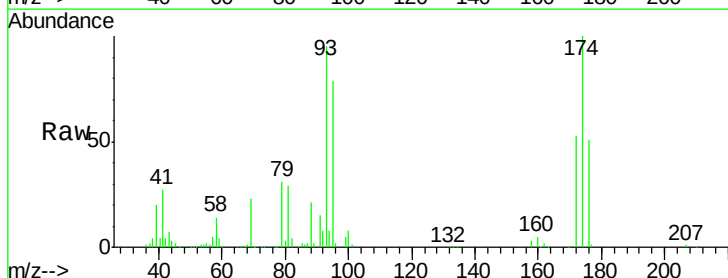
Tgt Ion: 93 Resp: 75187

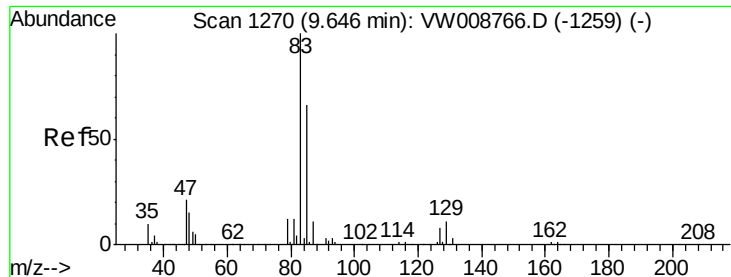
Ion Ratio Lower Upper

93 100

95 82.6 67.7 101.5

174 106.9 86.7 130.1





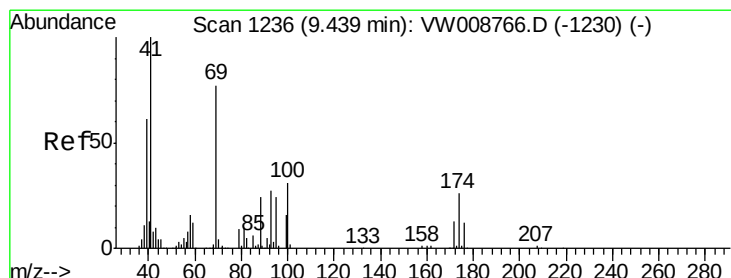
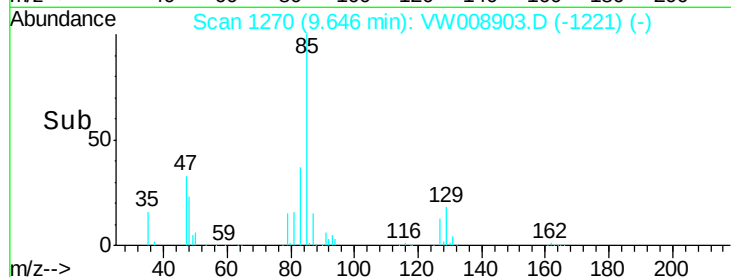
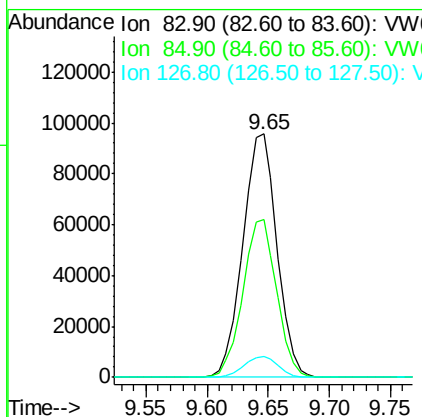
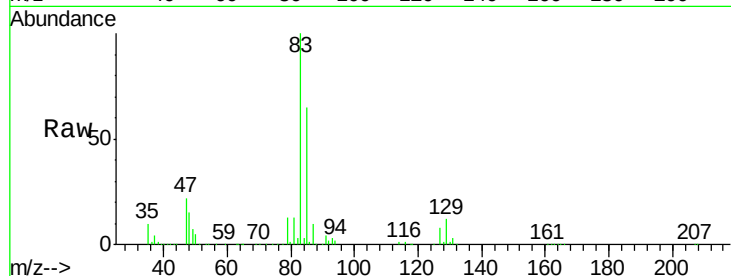
#47
Bromodichloromethane
Concen: 51.968 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	185547		
85	64.7	52.5	78.7	
127	8.5	6.7	10.1	

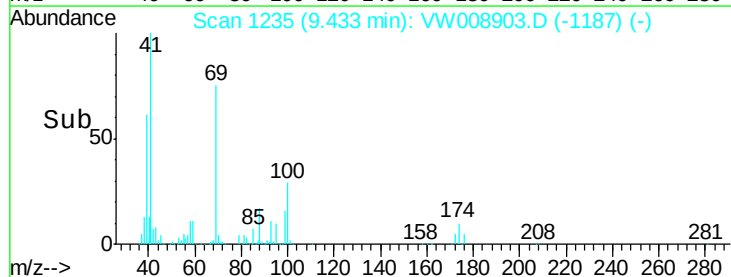
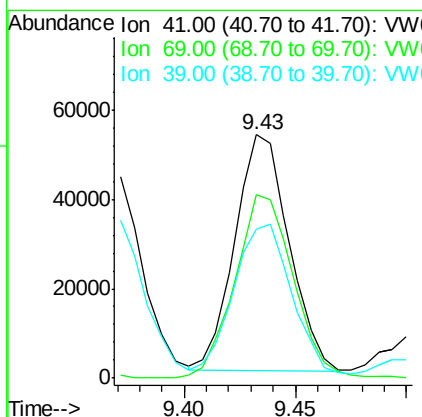
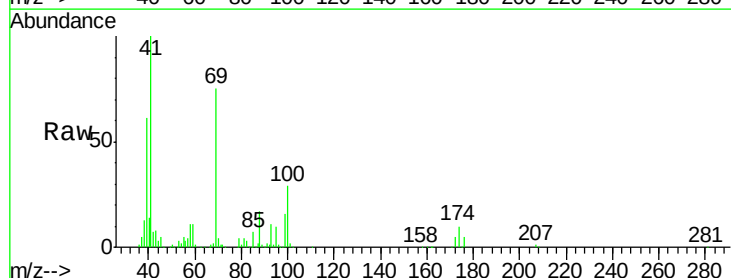
Manual Integrations
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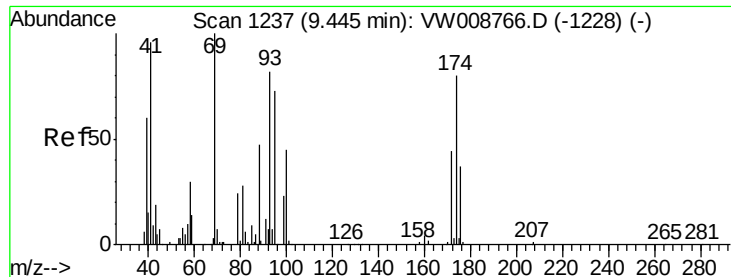
MMDadoda
3/1/2019 2:57:14 PM



#48
Methyl methacrylate
Concen: 51.473 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	89466		
69	83.7	63.6	95.4	
39	71.5	52.1	78.1	





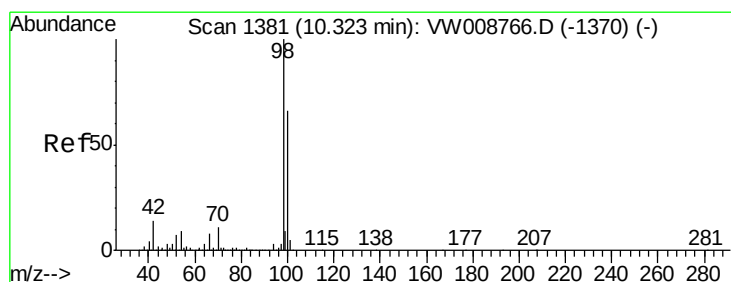
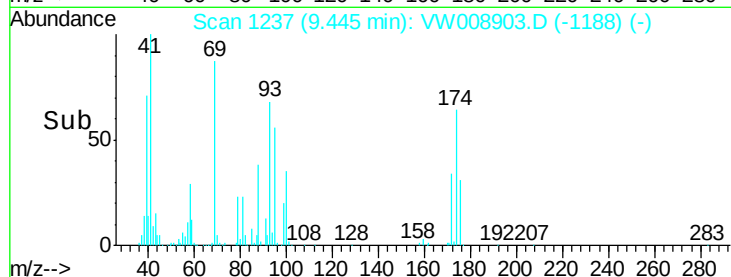
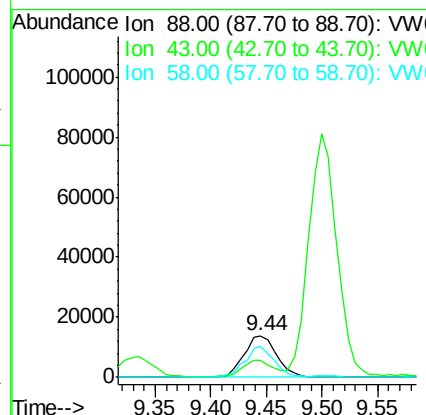
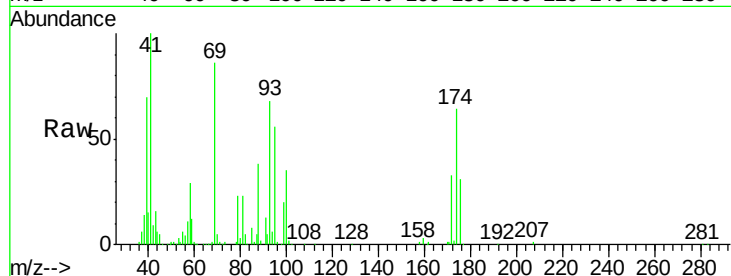
#49
1,4-Dioxane
Concen: 1198.371 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	28162
Ion Ratio	Lower	Upper	
88	100		
43	37.5	29.0	43.4
58	67.6	52.0	78.0

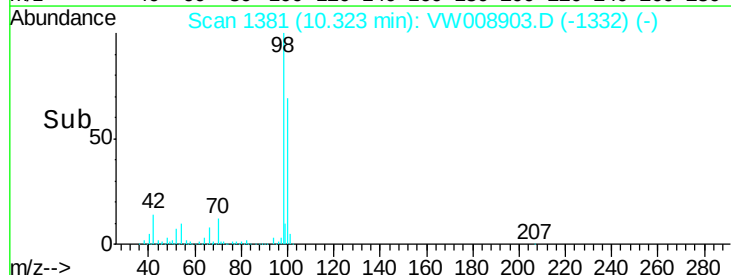
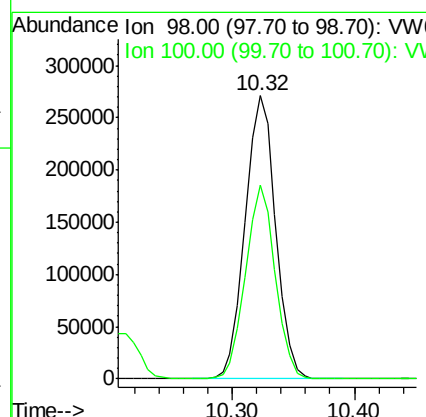
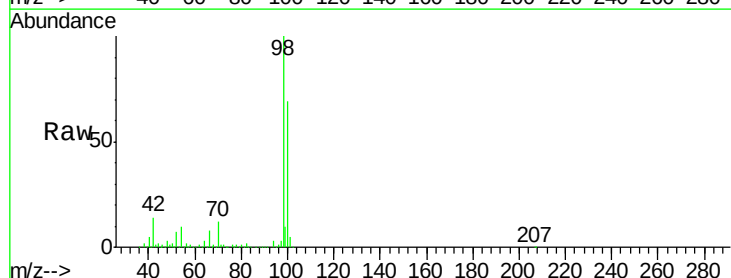
Manual Integrations
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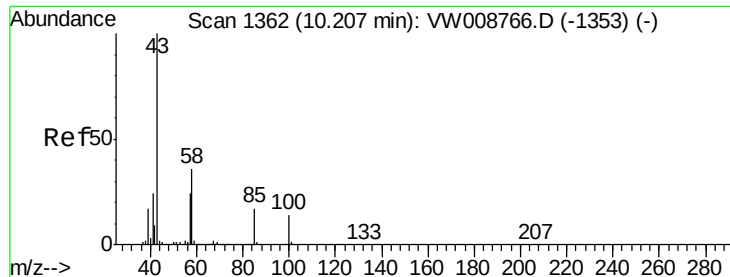
MMDadoda
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#50
Toluene-d8
Concen: 50.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	98	Resp	468619
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 281.514 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 518678

Ion Ratio Lower Upper

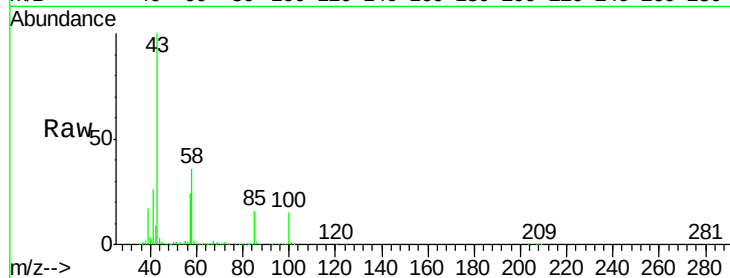
43 100

58 36.7 29.1 43.7

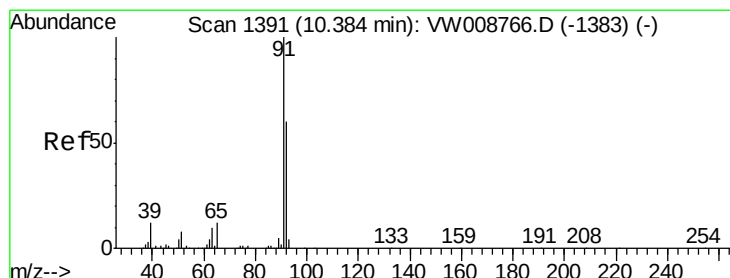
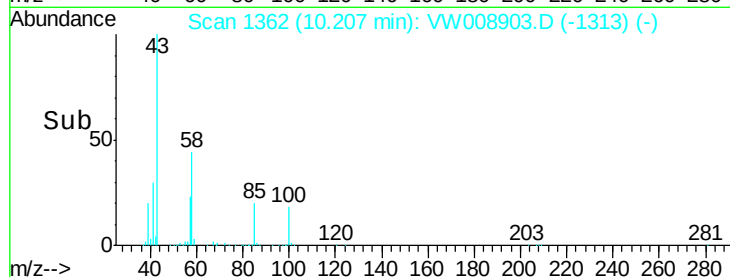
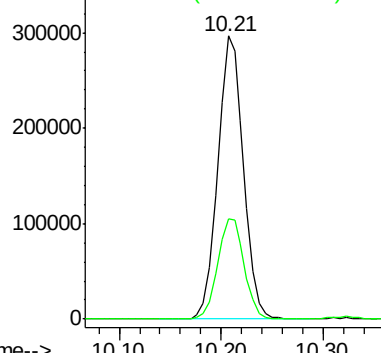
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.982 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008903.D

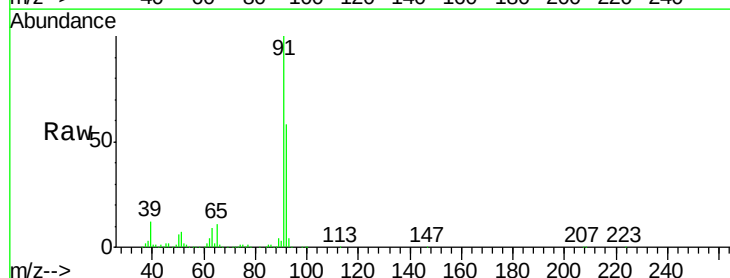
Acq: 28 Feb 2019 23:32

Tgt Ion: 92 Resp: 383888

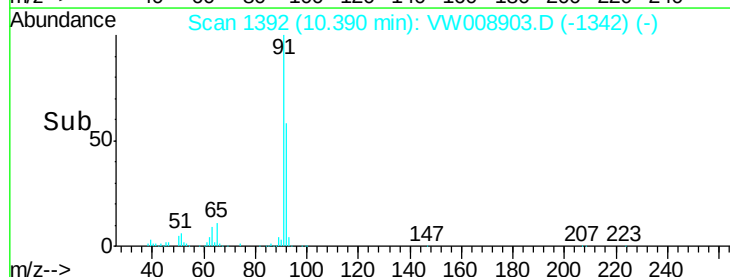
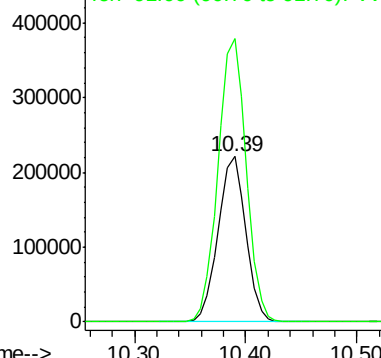
Ion Ratio Lower Upper

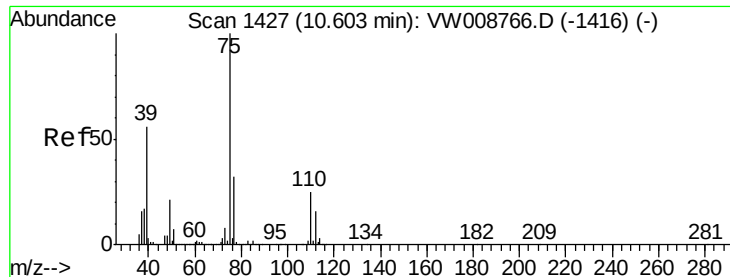
92 100

91 174.0 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW
Ion 91.00 (90.70 to 91.70): VW





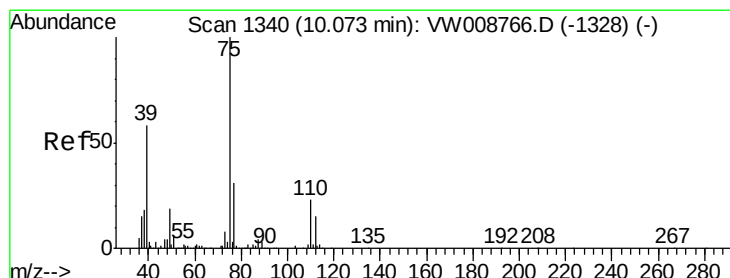
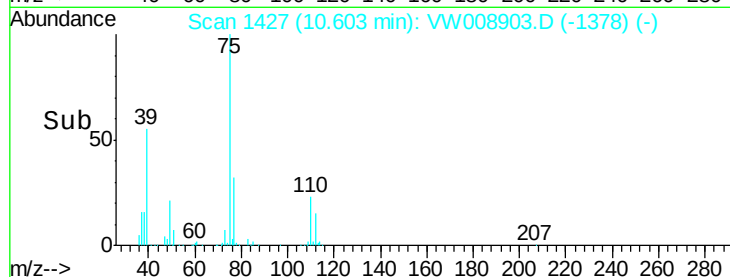
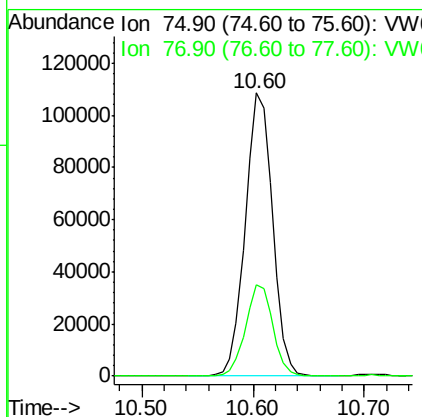
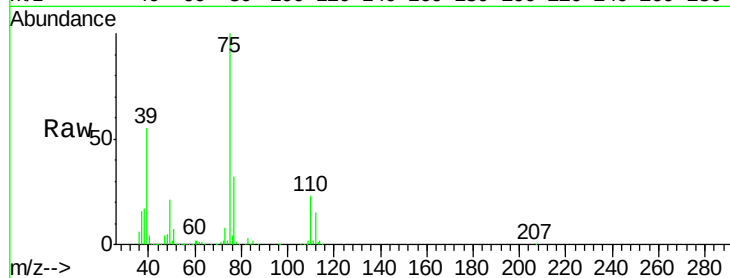
#53
t-1,3-Dichloropropene
Concen: 50.885 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.1	39.1

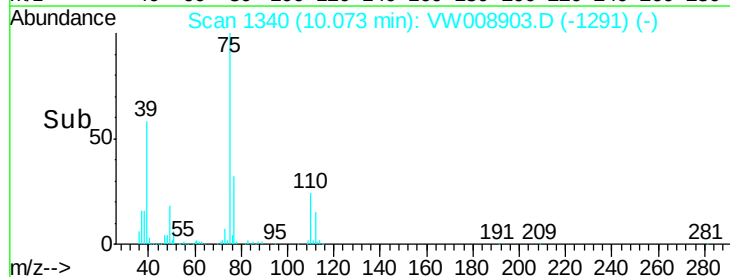
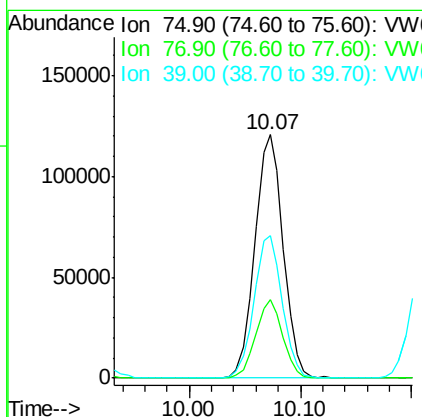
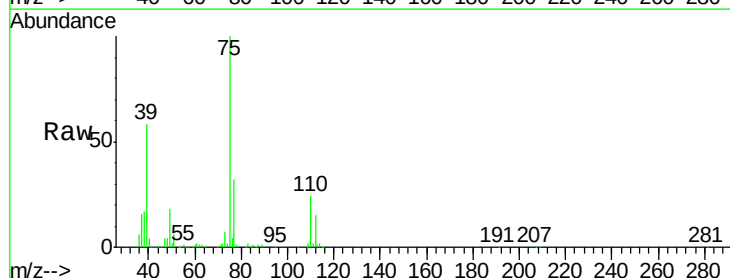
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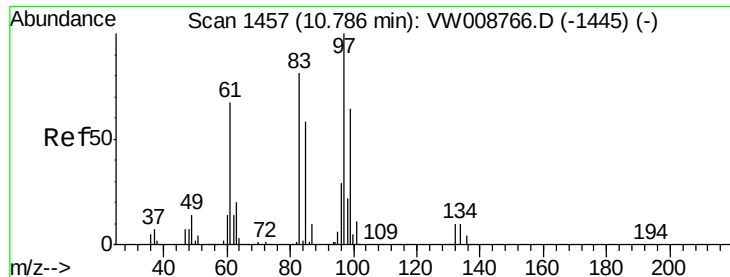
MMDadoda
3/1/2019 2:57:14 PM



#54
cis-1,3-Dichloropropene
Concen: 51.446 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	58.1	46.6	70.0





#55

1,1,2-Trichloroethane

Concen: 53.732 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

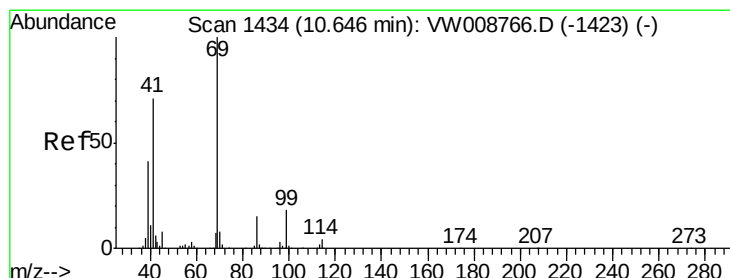
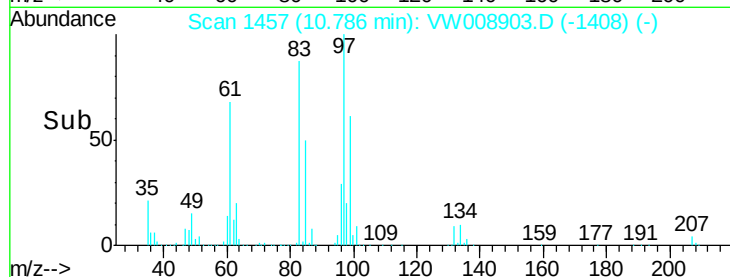
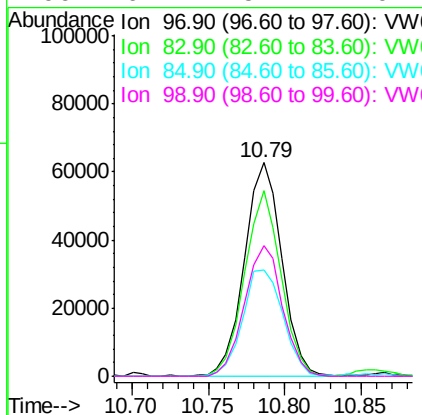
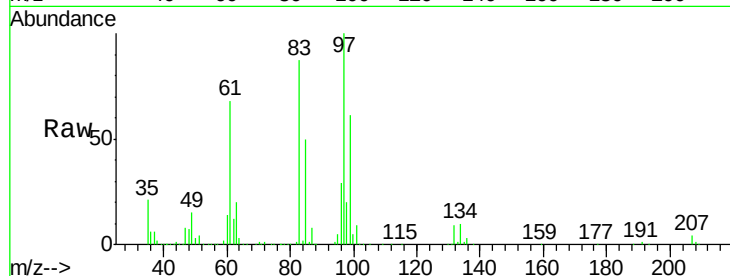
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	106934
Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.0	97.6
85	50.0	46.0	69.0
99	61.1	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.701 ug/l

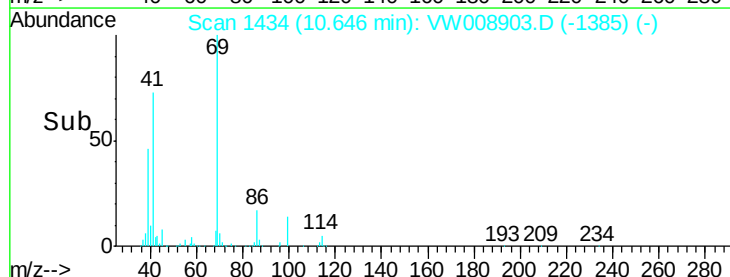
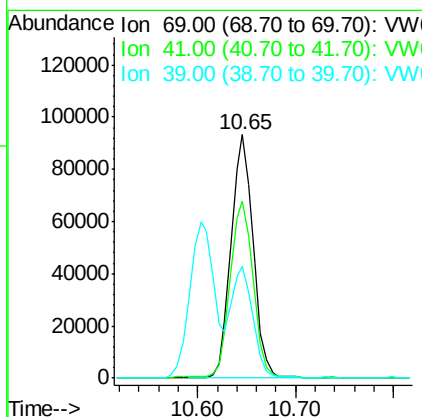
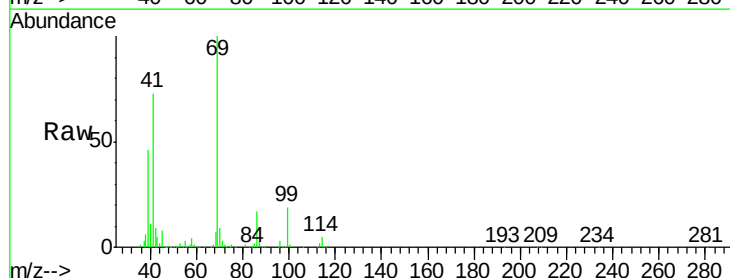
RT: 10.65 min Scan# 1434

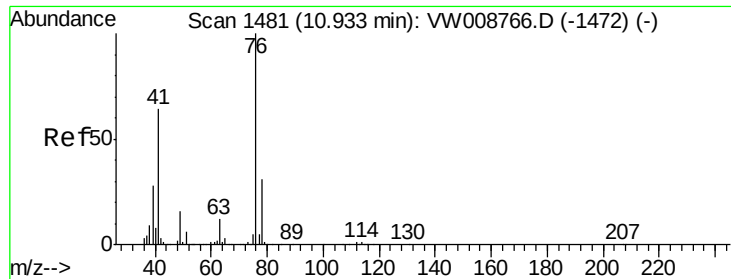
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	69	Resp:	146605
Ion	Ratio	Lower	Upper
69	100		
41	74.5	57.4	86.0
39	43.4	34.8	52.2





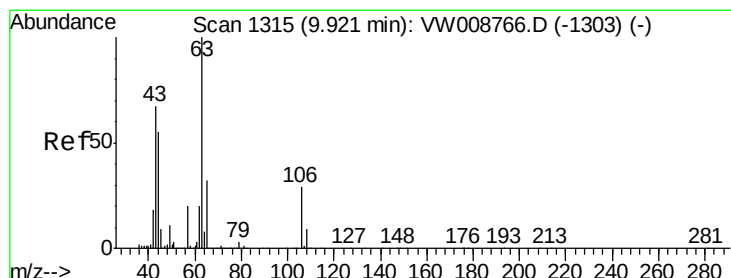
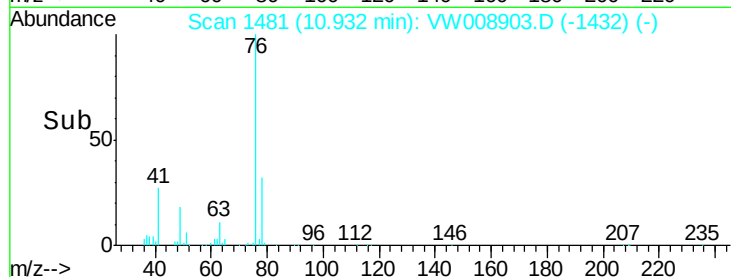
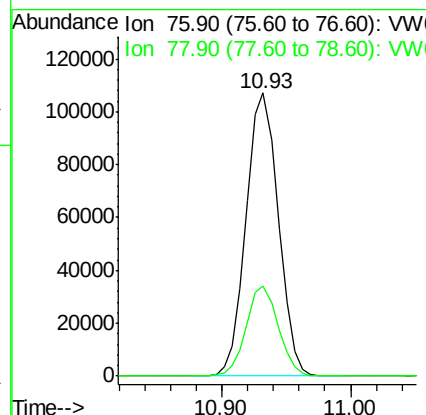
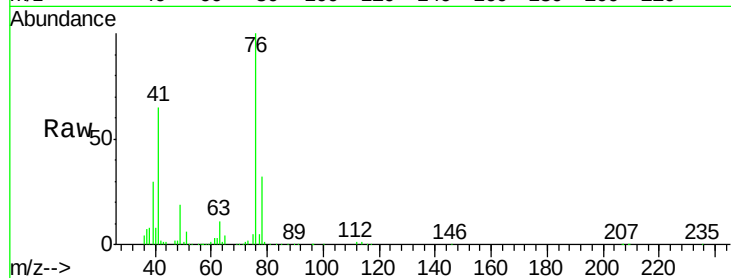
#57
 1,3-Dichloropropane
 Concen: 52.825 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.8

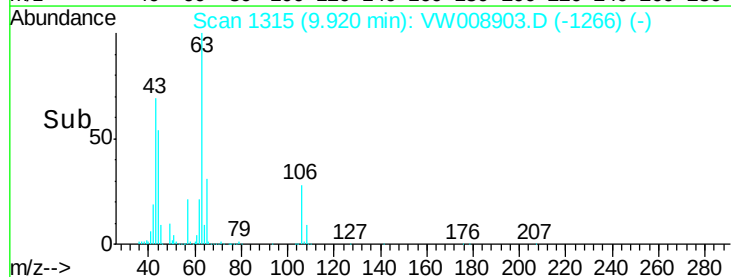
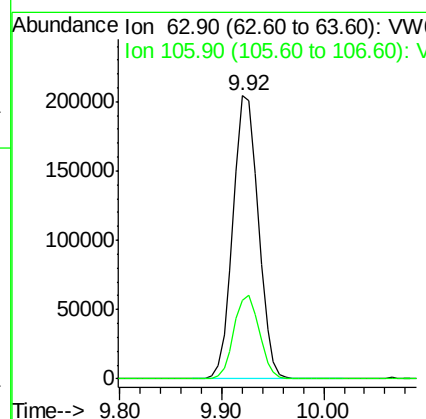
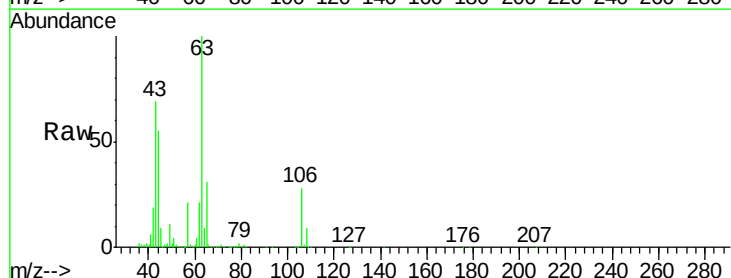
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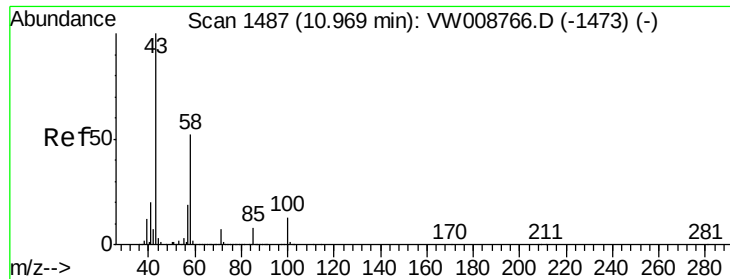
MMDadoda
 3/1/2019 2:57:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.574 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.0	36.0





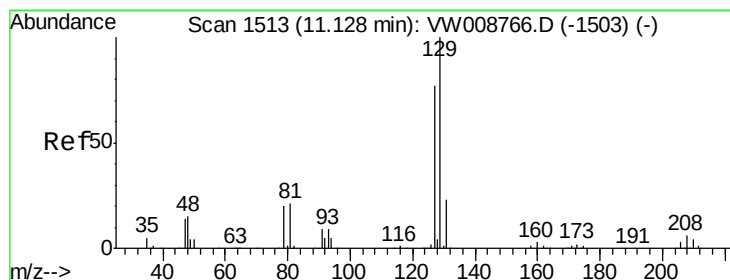
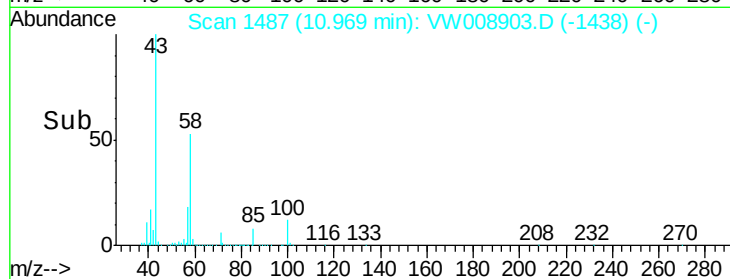
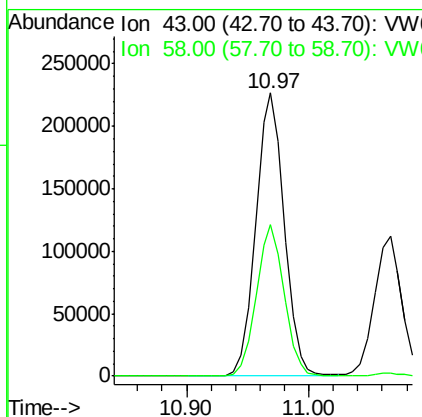
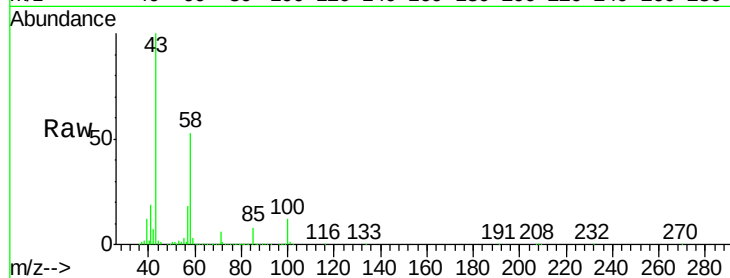
#59
2-Hexanone
Concen: 279.691 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
366826	100	52.4		25.3	75.8

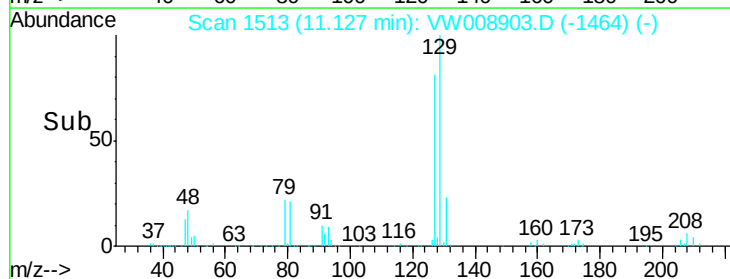
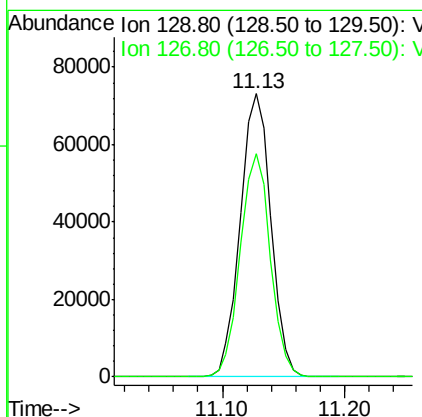
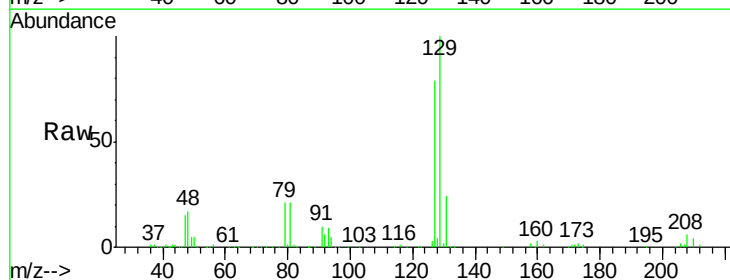
Manual Integrations
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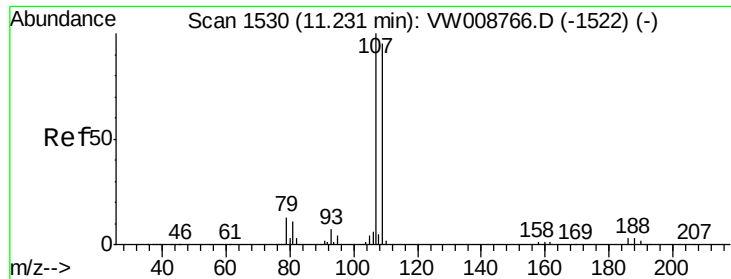
MMDadoda
3/1/2019 2:57:14 PM



#60
Dibromochloromethane
Concen: 52.605 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	129	127	Ratio	Lower	Upper
127695	100	77.2		39.0	116.9





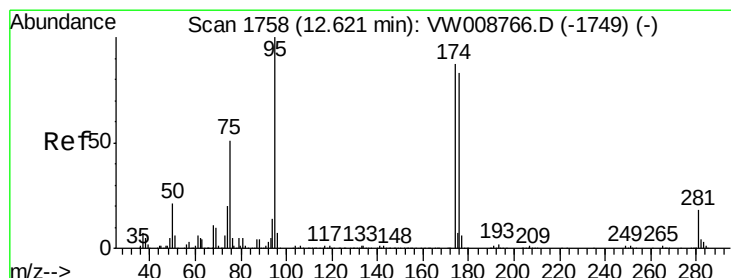
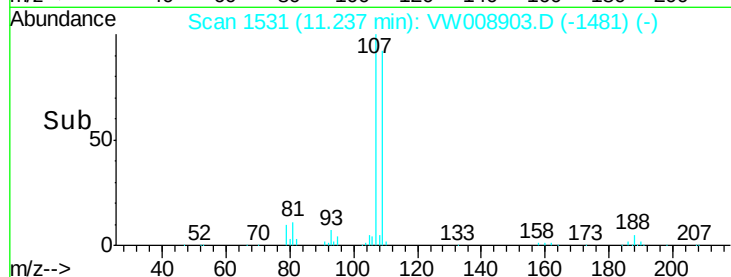
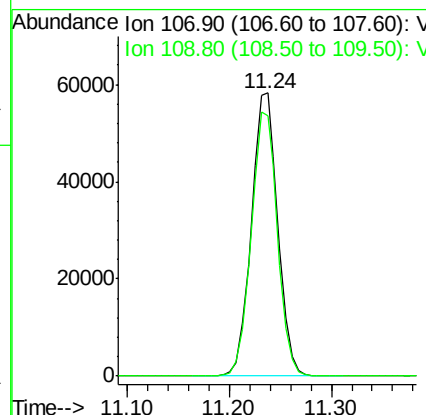
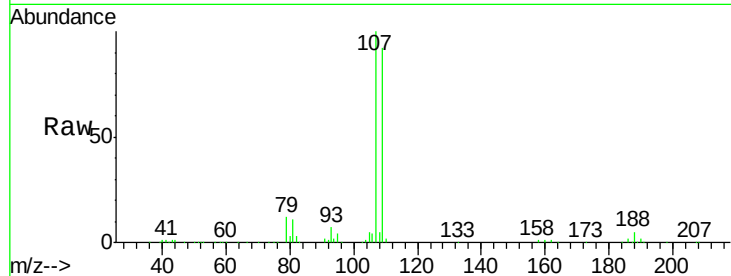
#61
 1,2-Dibromoethane
 Concen: 53.168 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104737		
109	92.8	75.6	113.4	

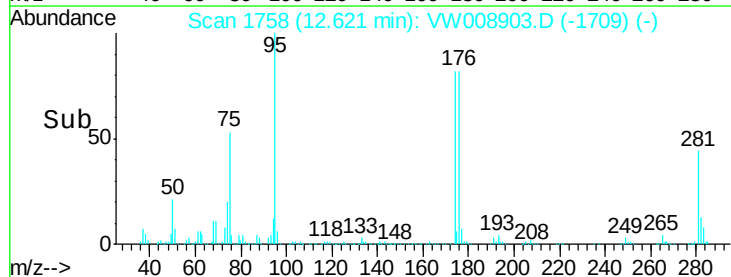
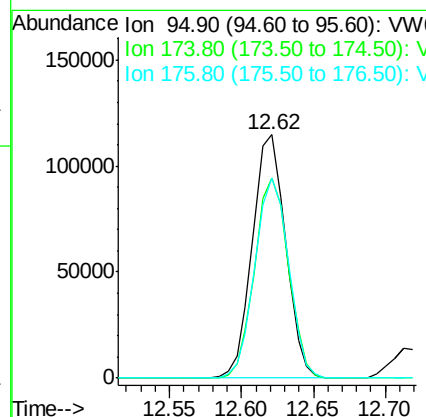
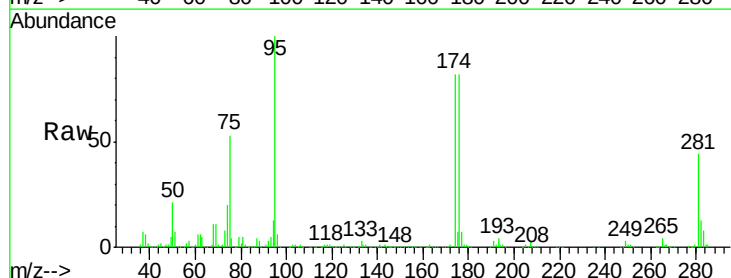
Manual Integrations
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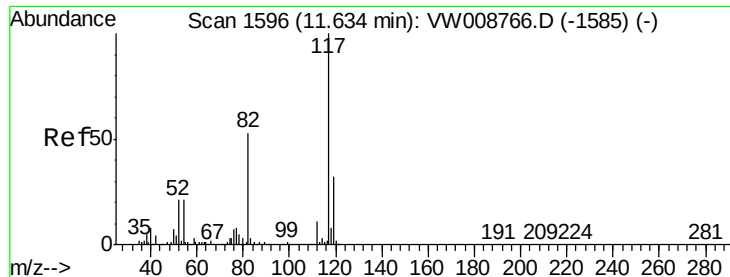
MMDadoda
 3/1/2019 2:57:14 PM



#62
 4-Bromofluorobenzene
 Concen: 50.190 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	182962		
174	83.8	0.0	169.2	
176	83.5	0.0	163.6	





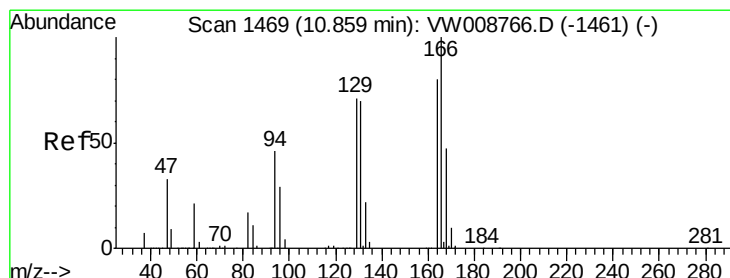
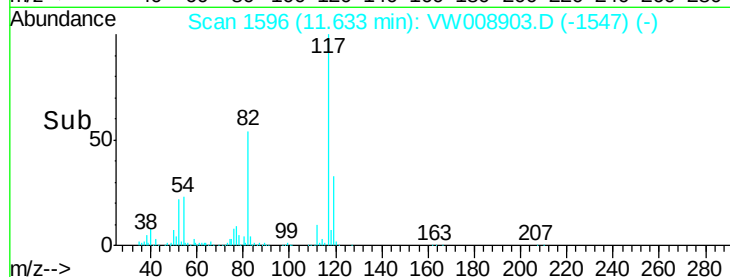
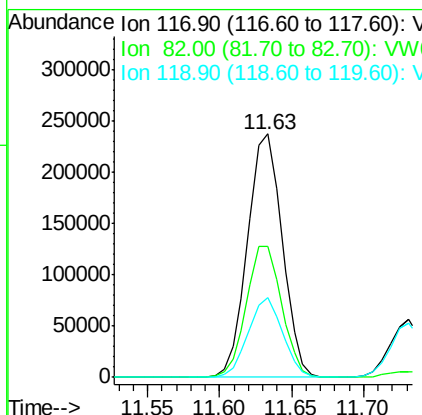
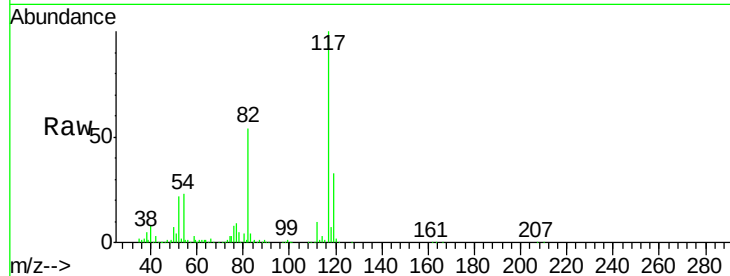
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397050		
82	53.9	42.2	63.4	
119	32.6	25.9	38.9	

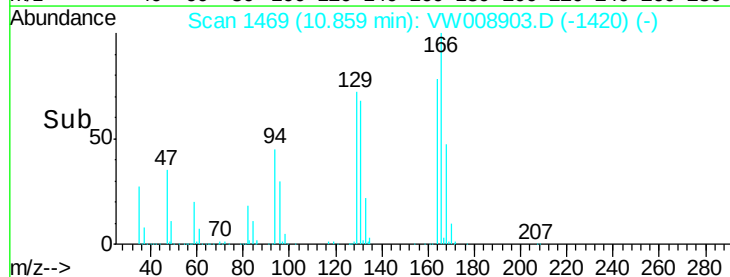
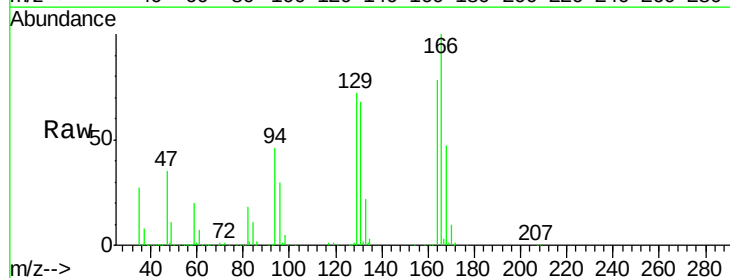
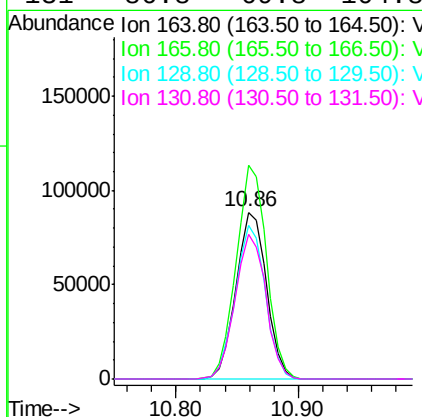
Manual Integrations
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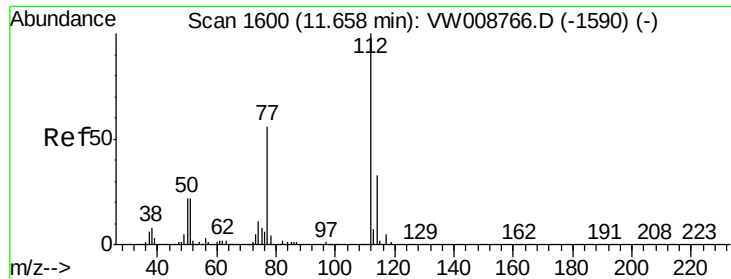
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#64
Tetrachloroethene
Concen: 53.661 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152513		
166	127.9	99.5	149.3	
129	91.7	71.1	106.7	
131	86.8	69.8	104.8	





#65

Chlorobenzene

Concen: 51.345 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 428668

Ion Ratio Lower Upper

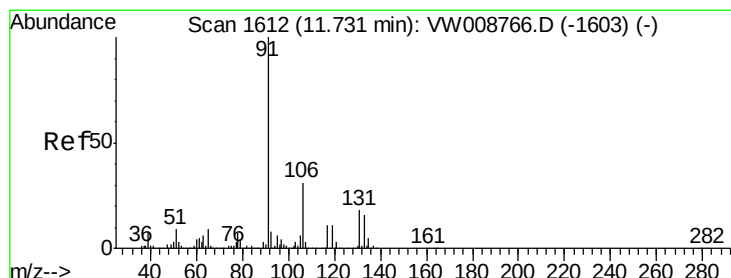
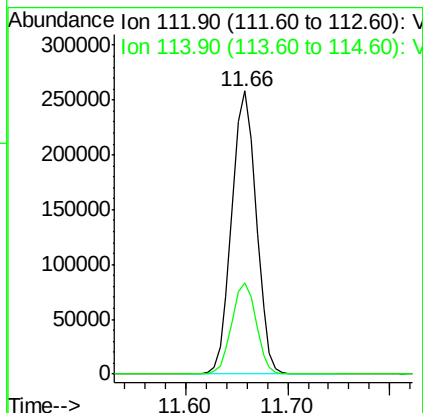
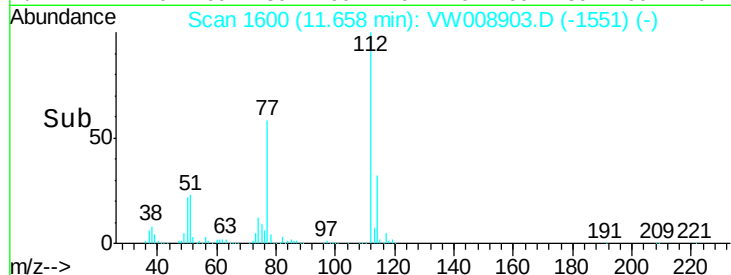
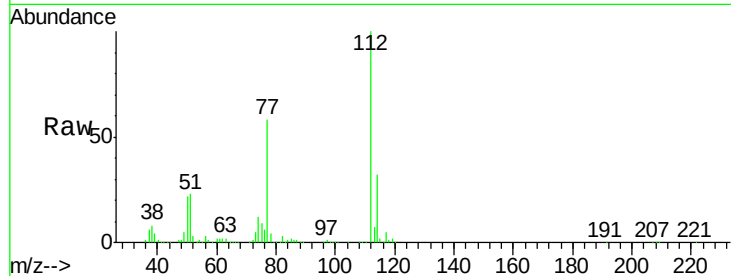
112 100

114 32.3 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 49.697 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

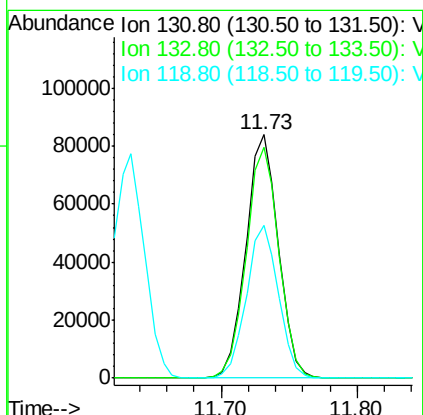
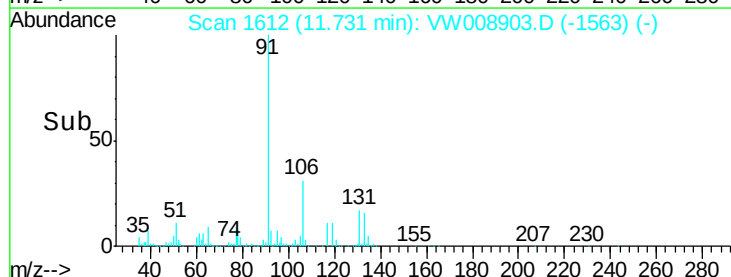
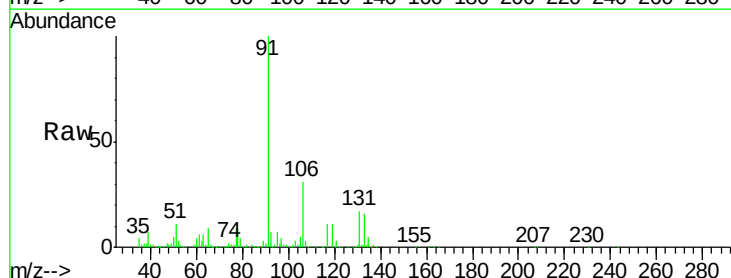
Tgt Ion:131 Resp: 140292

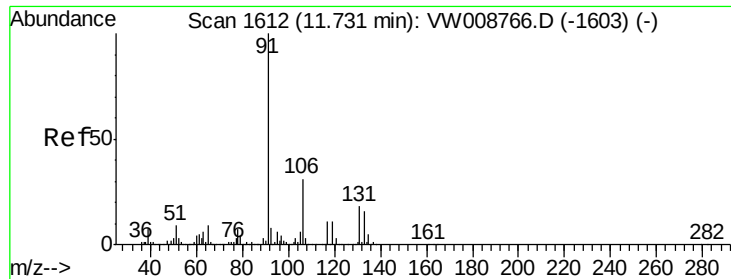
Ion Ratio Lower Upper

131 100

133 95.3 46.7 140.0

119 62.0 30.8 92.4





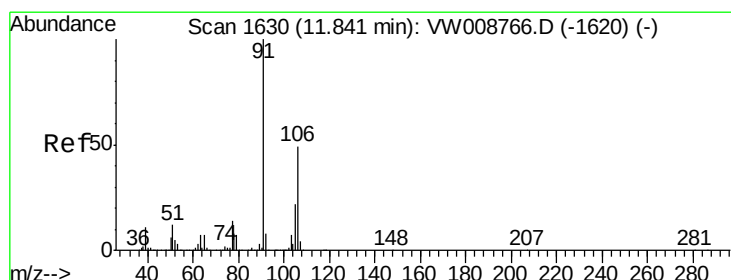
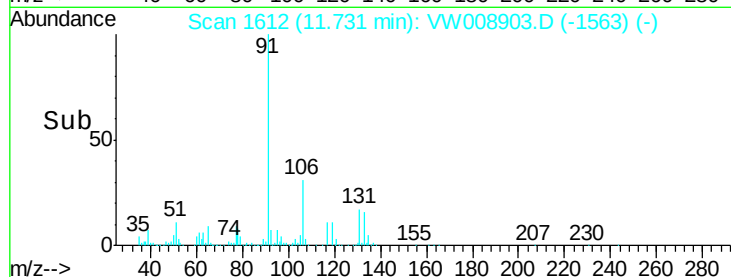
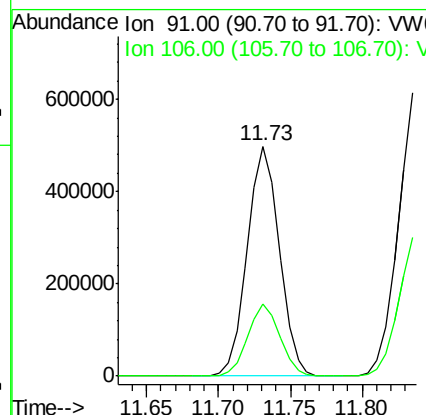
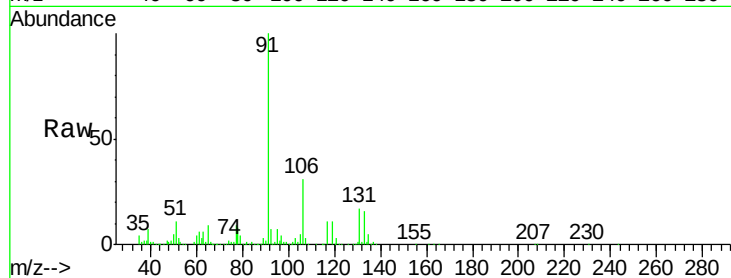
#67
Ethyl Benzene
Concen: 51.583 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 769863
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

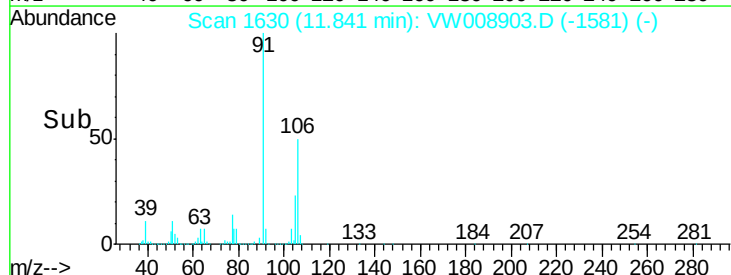
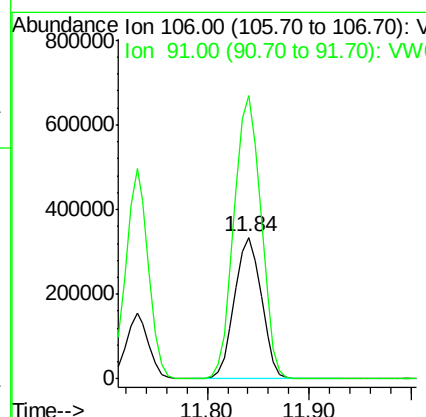
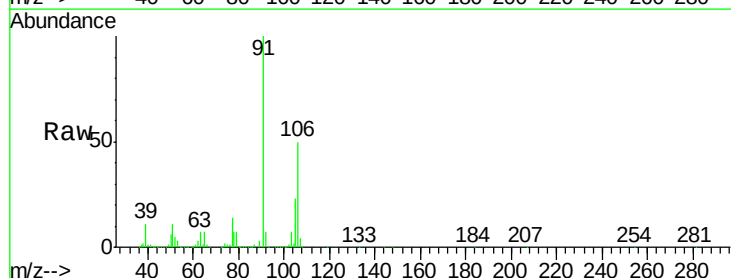
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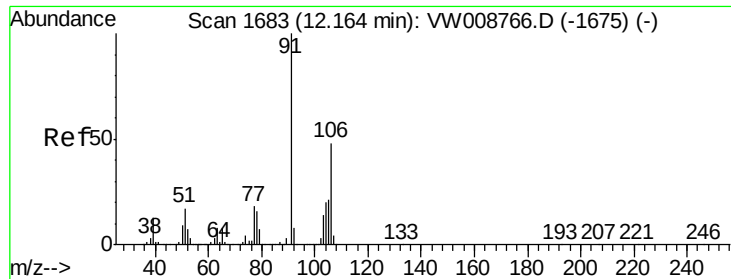
MMDadoda
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#68
m/p-Xylenes
Concen: 102.453 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 106 Resp: 610949
Ion Ratio Lower Upper
106 100
91 200.7 161.5 242.3





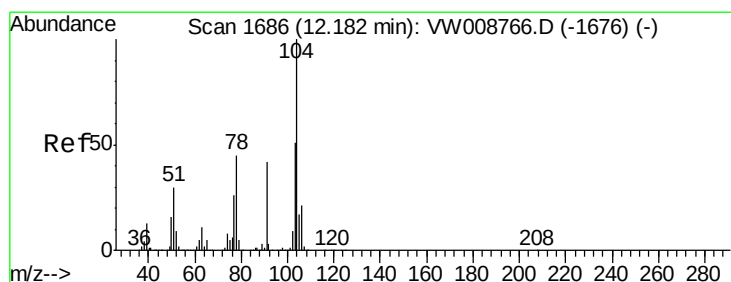
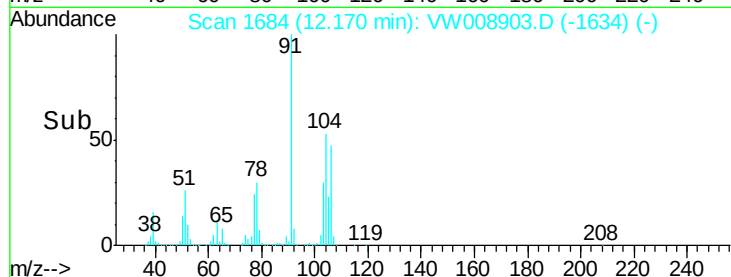
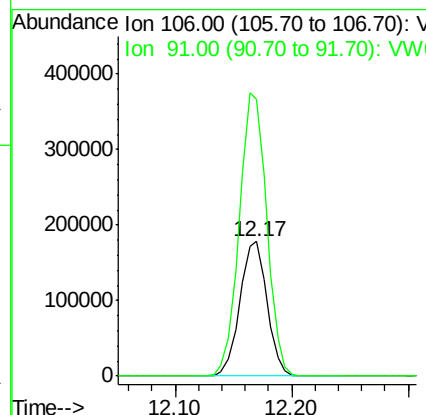
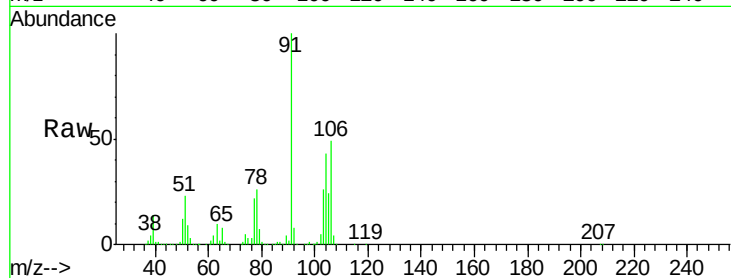
#69
o-Xylene
Concen: 51.911 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		290552		
91	212.1	106.2	318.6		

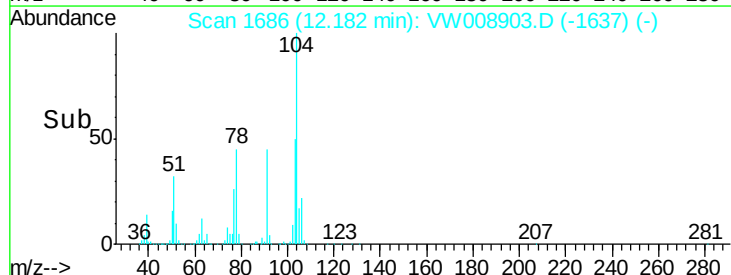
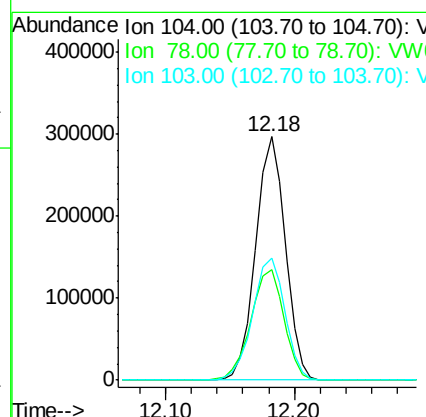
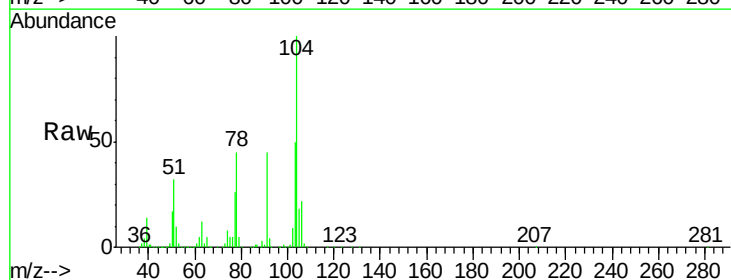
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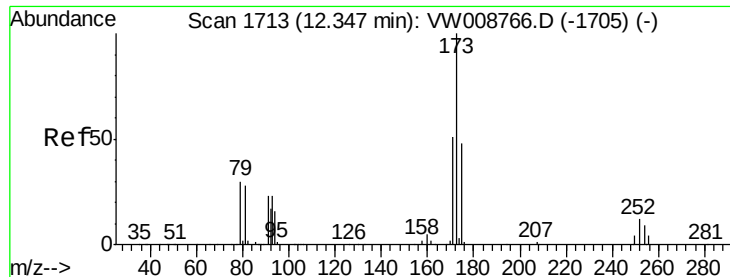
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#70
Styrene
Concen: 52.383 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		471707		
78	50.8	40.8	61.2		
103	54.6	44.2	66.2		





#71

Bromoform

Concen: 50.608 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76794

Ion Ratio Lower Upper

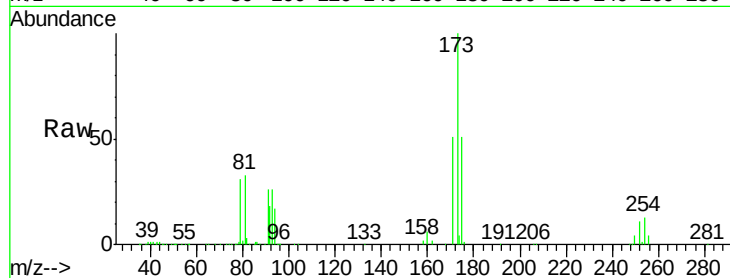
173 100

175 49.6 24.2 72.6

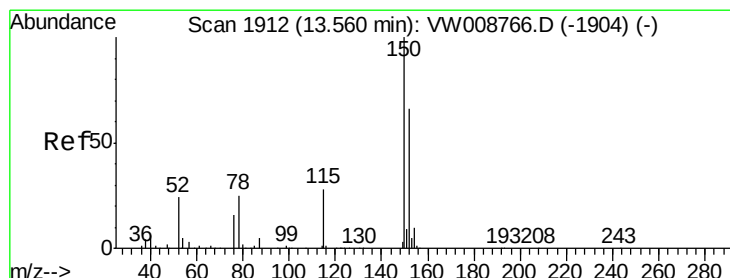
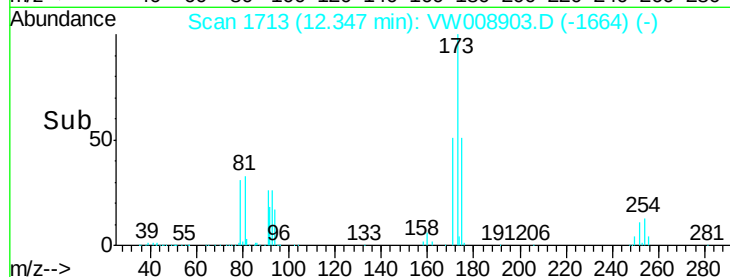
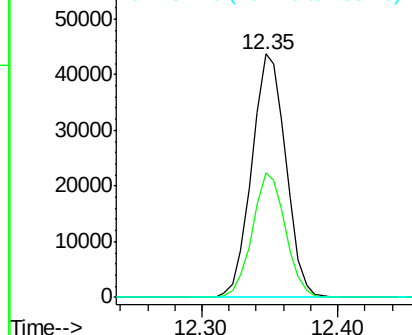
254 0.1 0.2 0.4#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

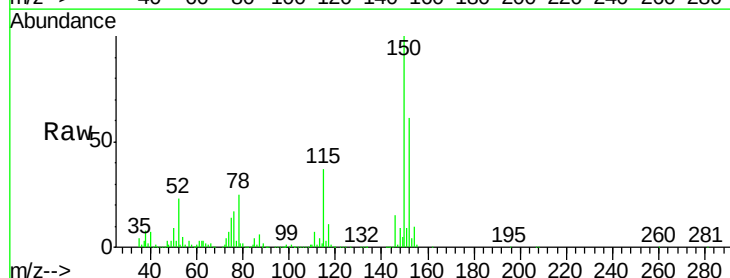
Tgt Ion:152 Resp: 217197

Ion Ratio Lower Upper

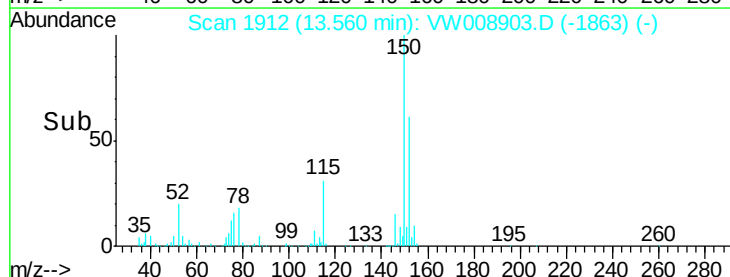
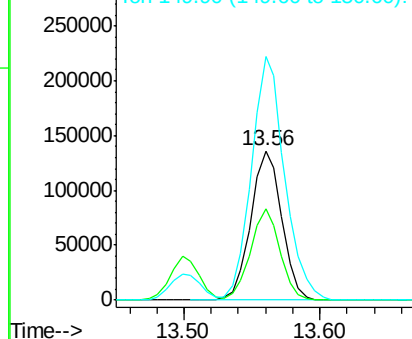
152 100

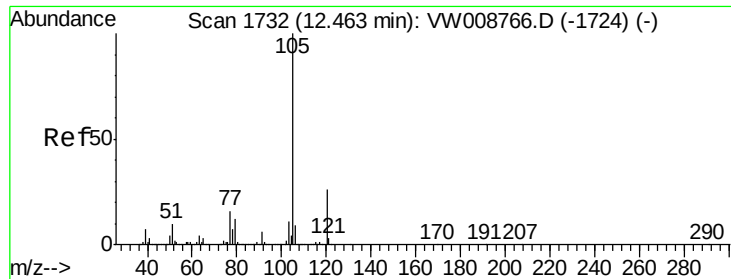
115 58.1 28.6 85.8

150 175.1 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.624 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 783553

Ion Ratio Lower Upper

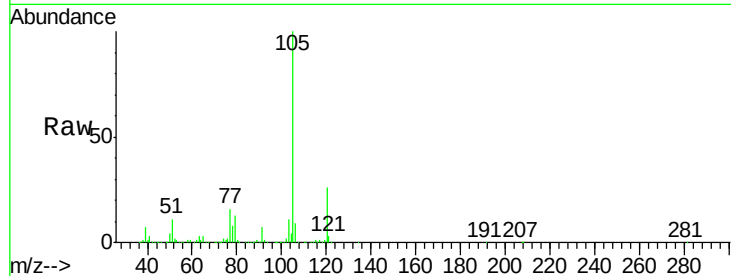
105 100

120 26.4 13.3 39.9

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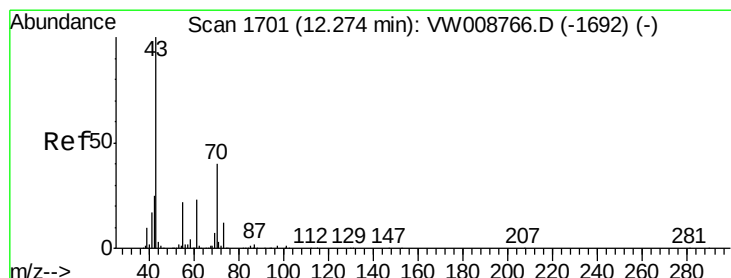
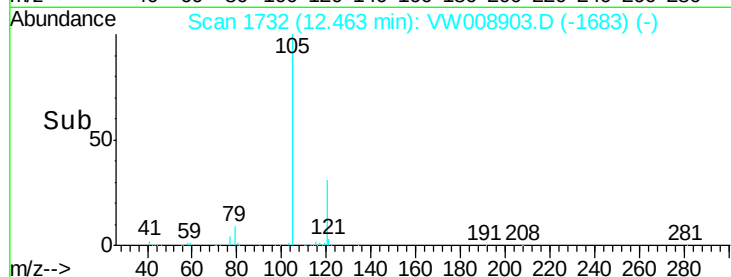
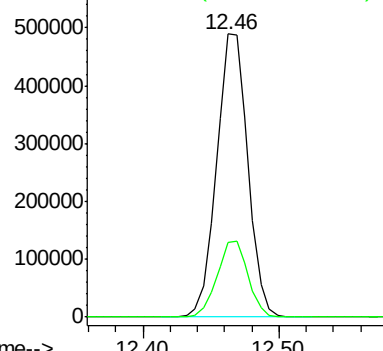
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.552 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion: 43 Resp: 208353

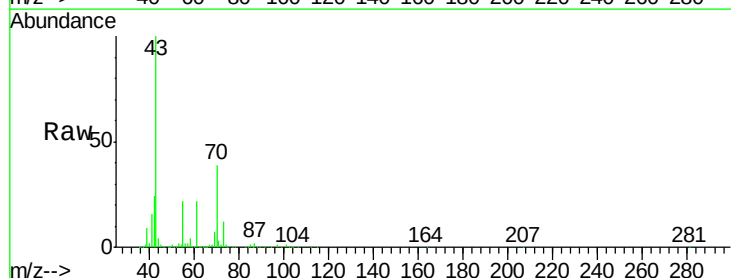
Ion Ratio Lower Upper

43 100

70 39.3 31.0 46.6

55 22.6 18.7 28.1

61 22.6 18.1 27.1

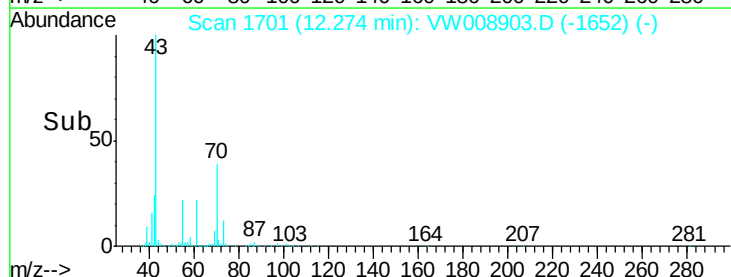
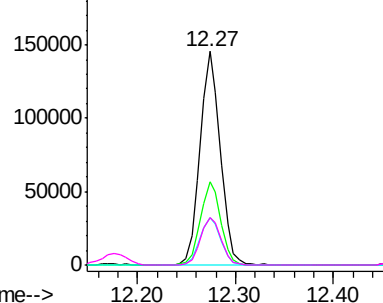


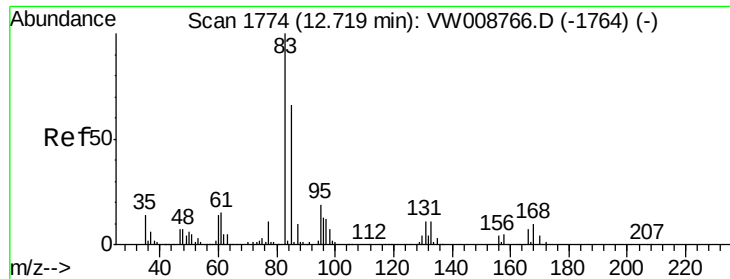
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 52.254 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

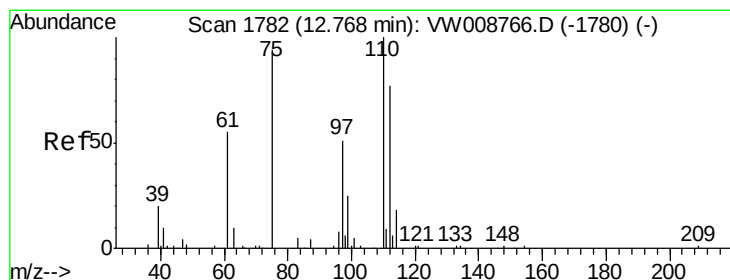
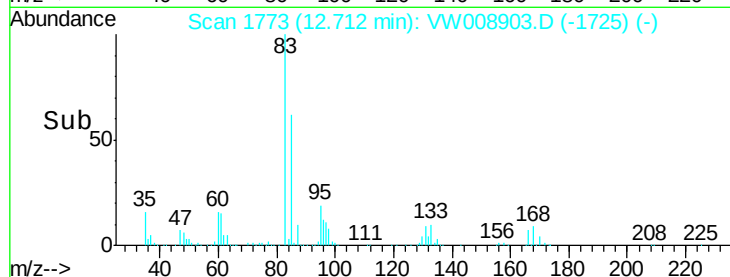
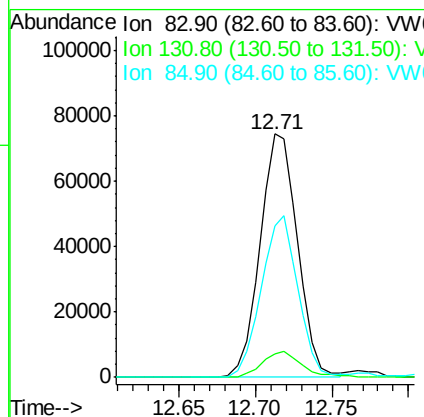
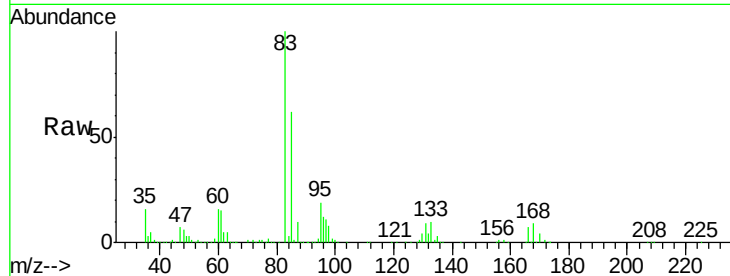
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	127131
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	65.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 52.920 ug/l m

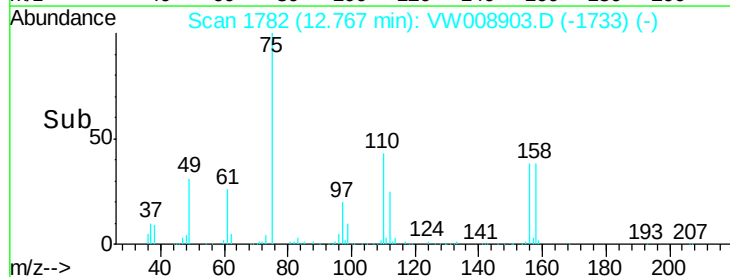
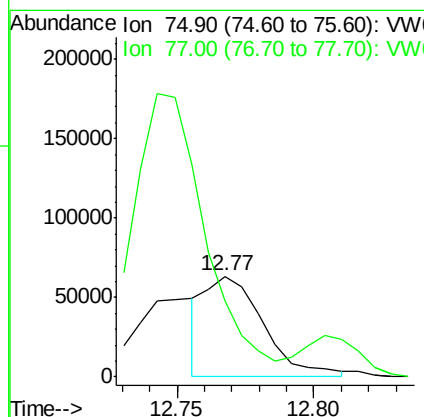
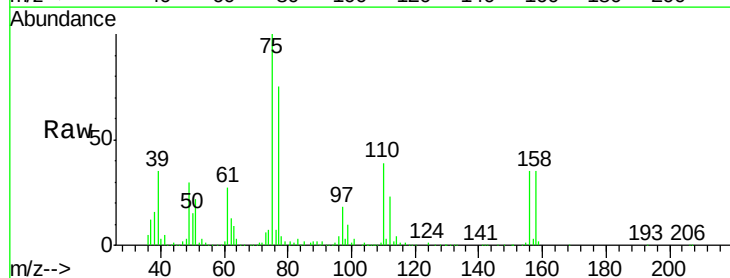
RT: 12.77 min Scan# 1782

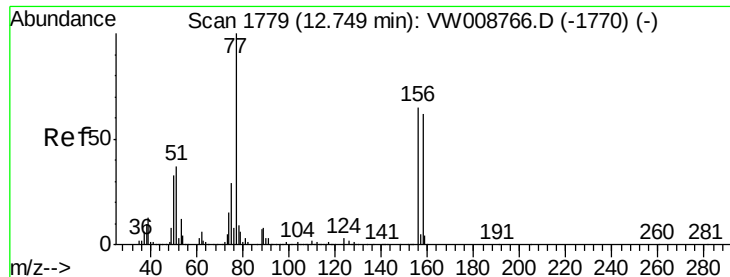
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	75	Resp:	94898
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





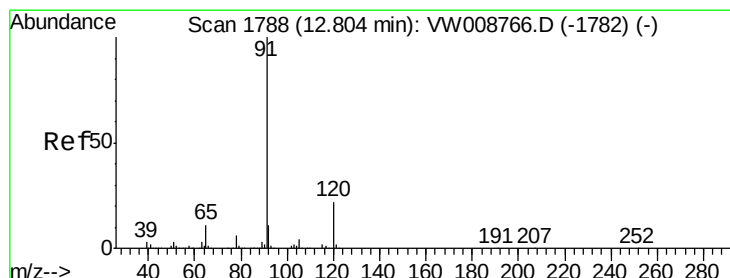
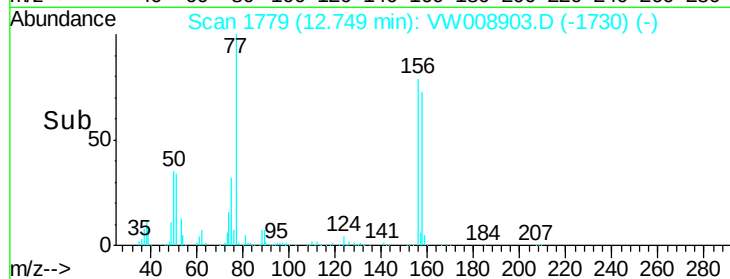
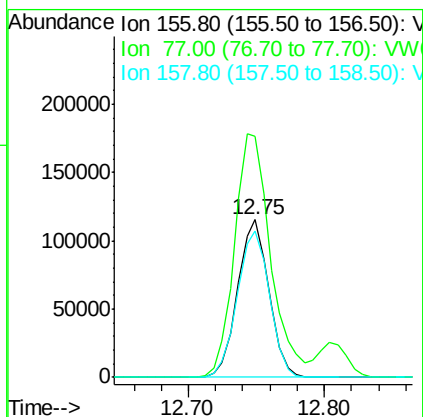
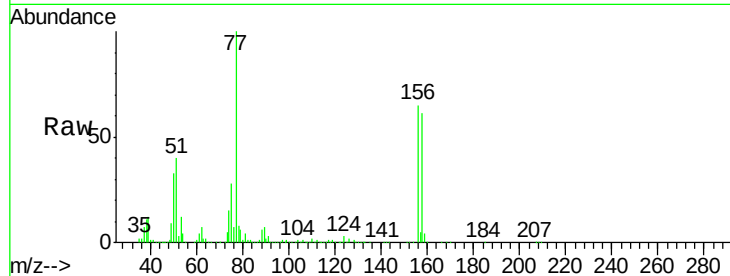
#77
Bromobenzene
Concen: 52.461 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.3	89.1	267.4
158	95.8	49.2	147.6

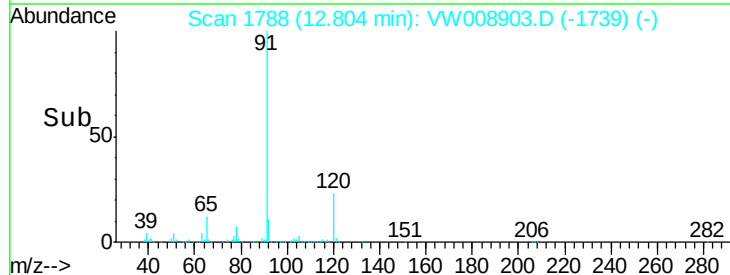
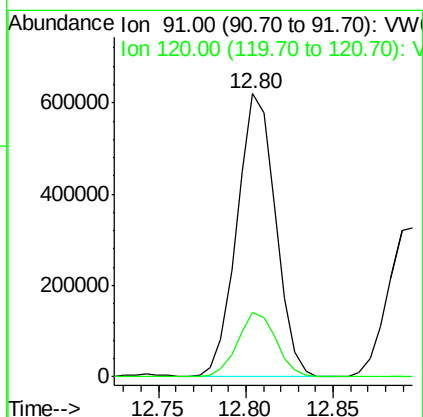
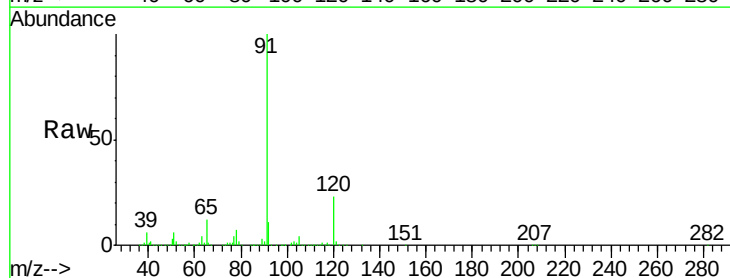
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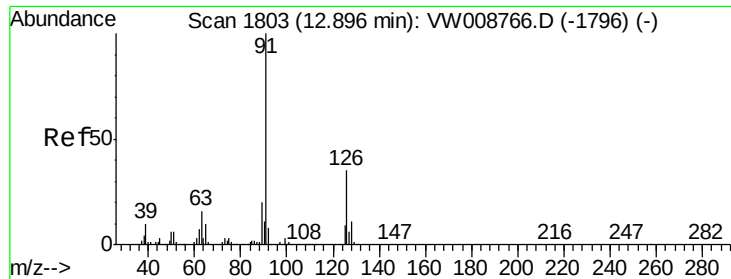
MMDadoda
3/1/2019 2:57:14 PM



#78
n-propylbenzene
Concen: 52.239 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 52.339 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 541238

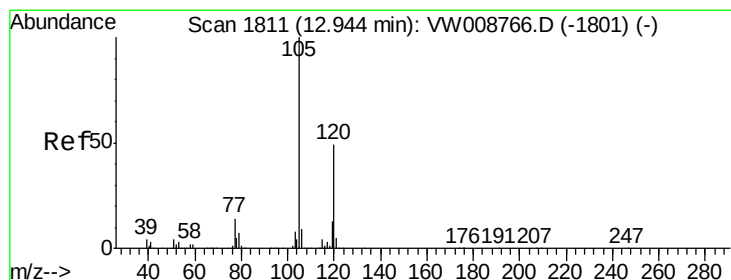
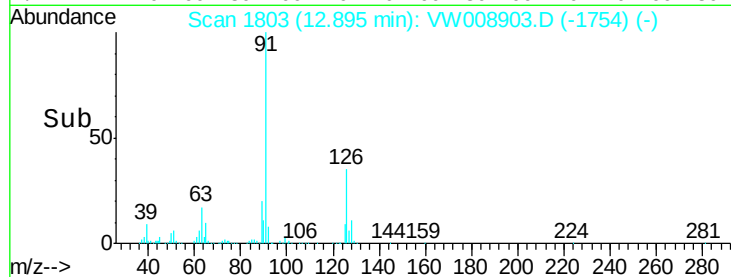
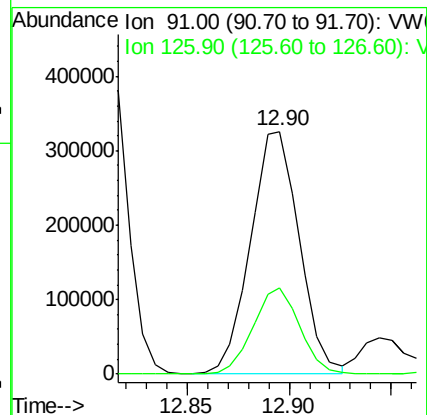
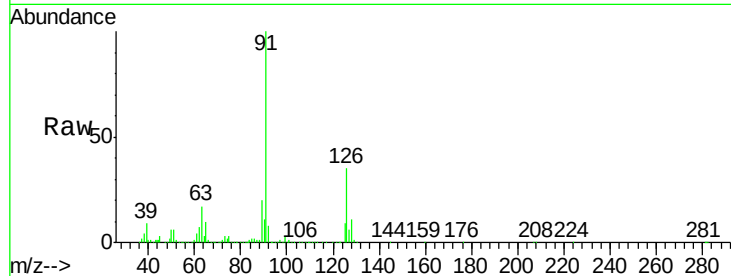
Ion Ratio Lower Upper

91 100

126 34.1 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 52.296 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008903.D

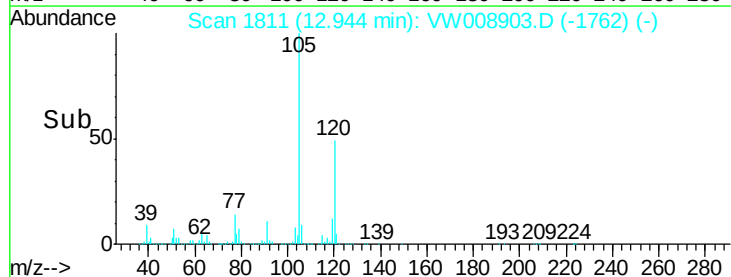
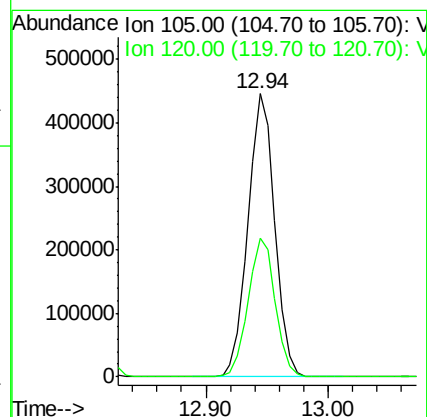
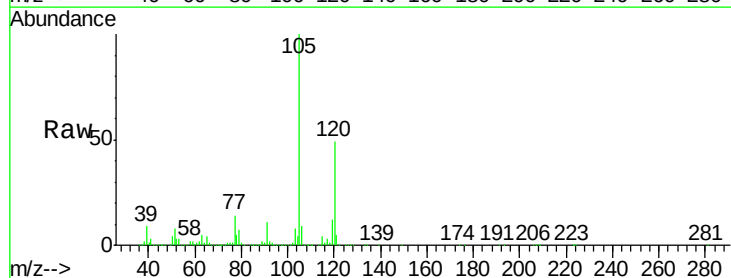
Acq: 28 Feb 2019 23:32

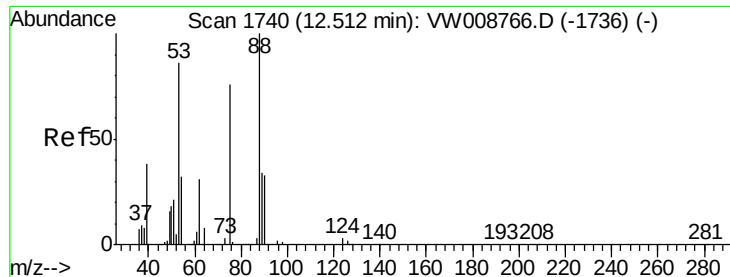
Tgt Ion: 105 Resp: 676686

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.4





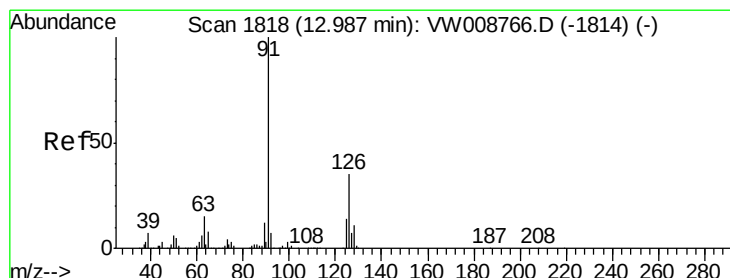
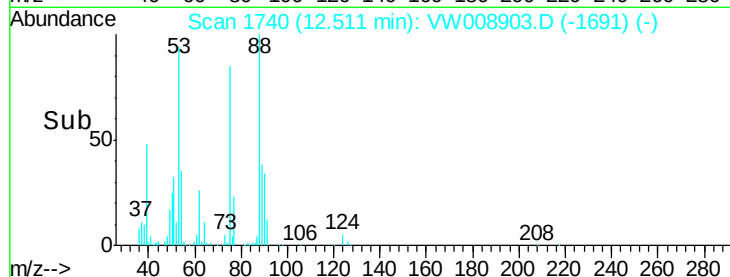
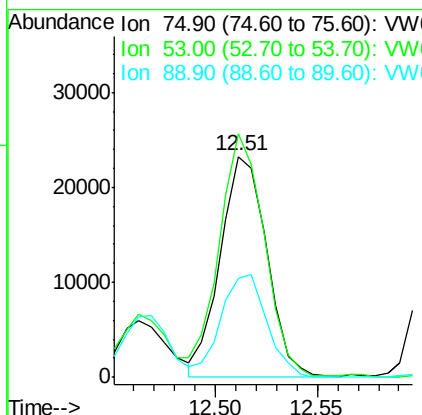
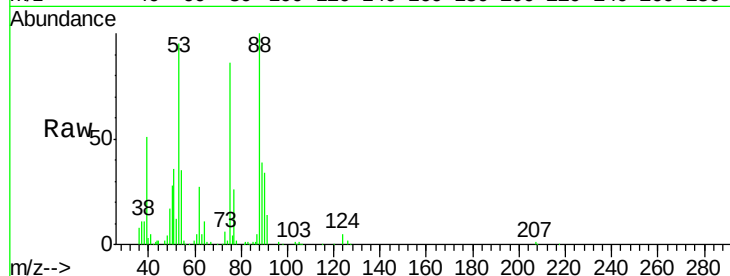
#81
trans-1,4-Dichloro-2-butene
Concen: 49.454 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	88.2	132.2
89	46.5	39.5	59.3

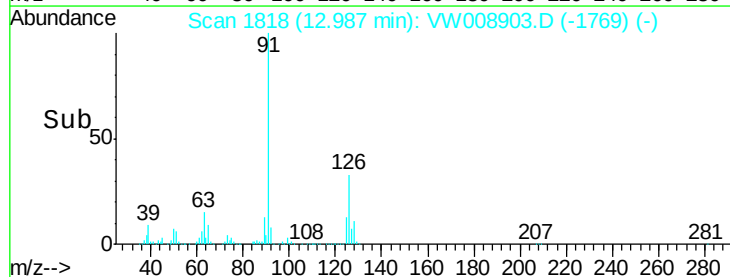
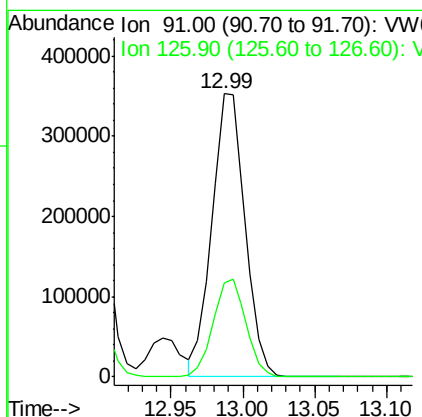
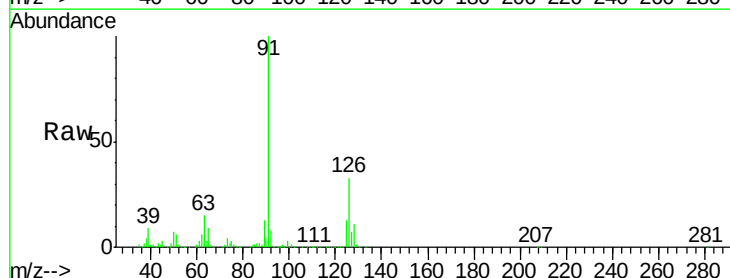
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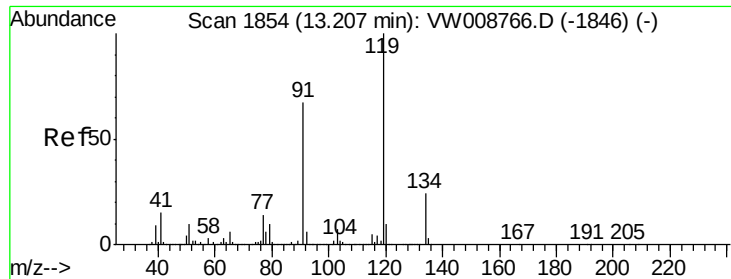
MMDadoda
3/1/2019 2:57:14 PM



#82
4-Chlorotoluene
Concen: 52.053 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





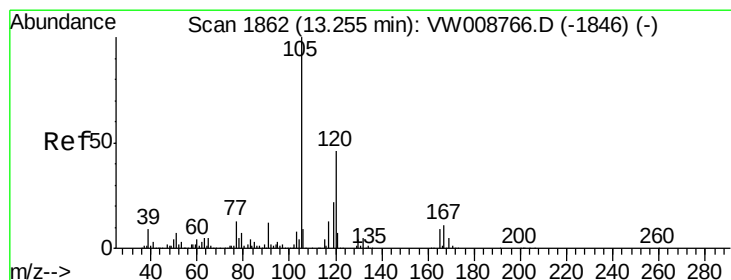
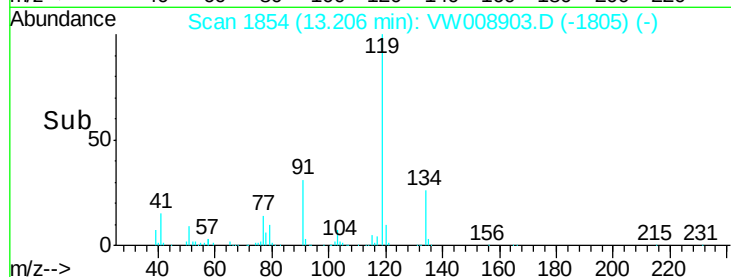
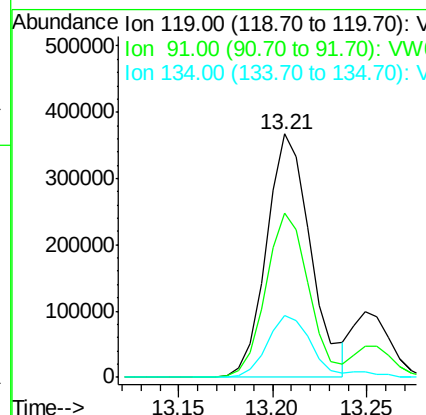
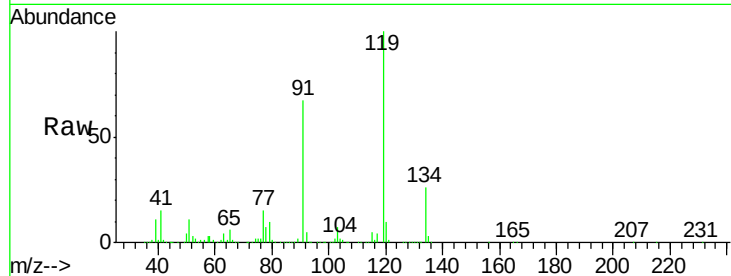
#83
 tert-Butylbenzene
 Concen: 53.319 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.6	100.8
134	26.7	13.7	41.1

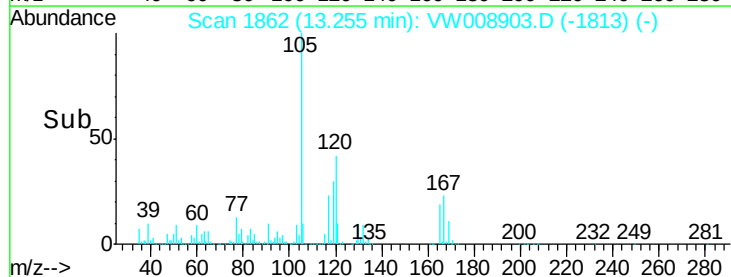
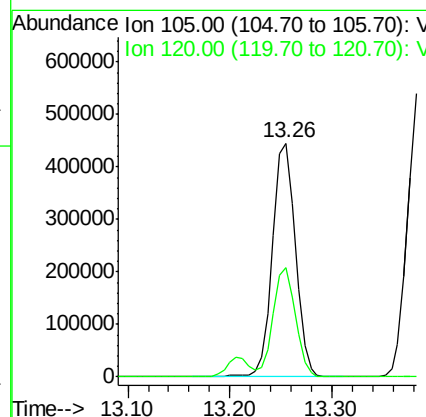
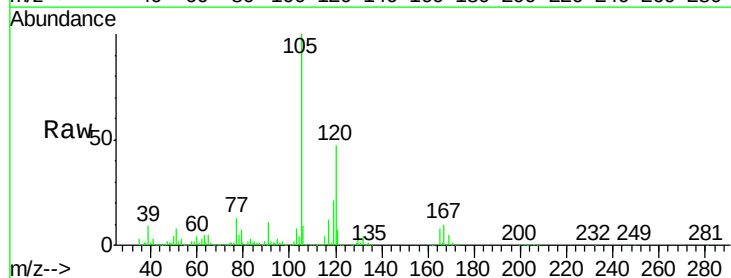
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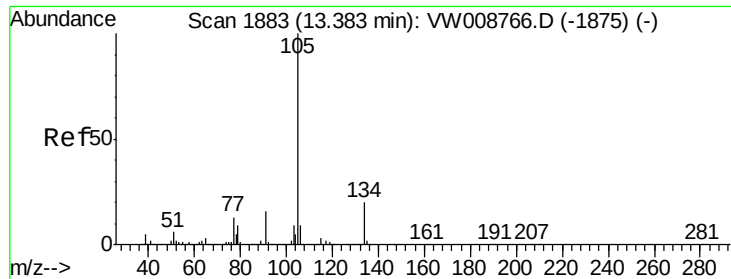
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.775 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 52.618 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 846505

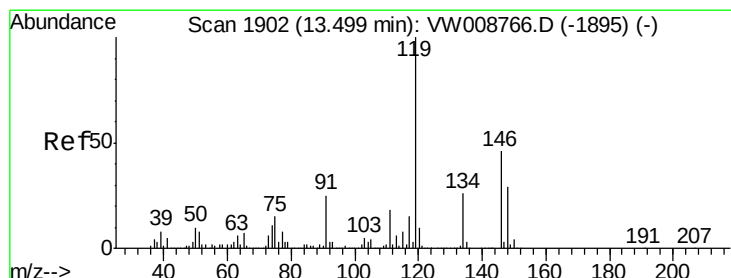
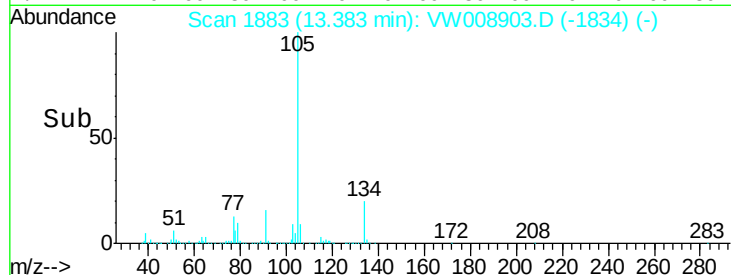
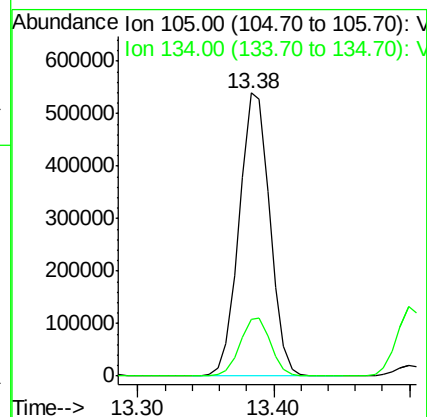
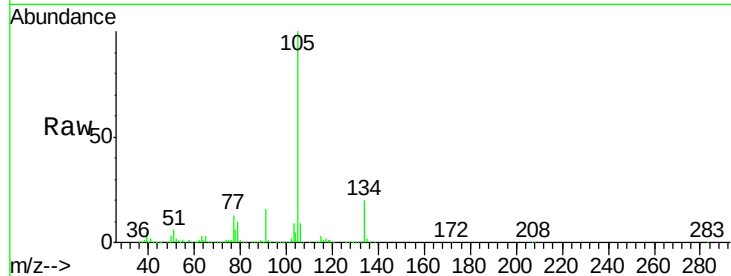
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.782 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

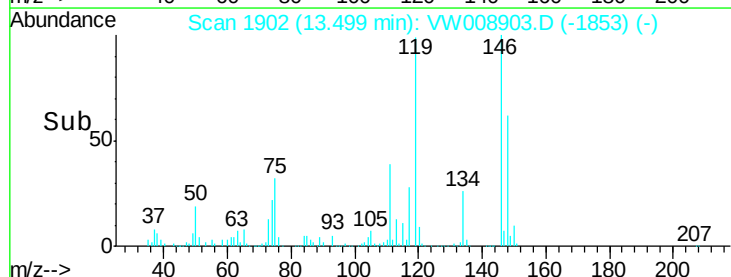
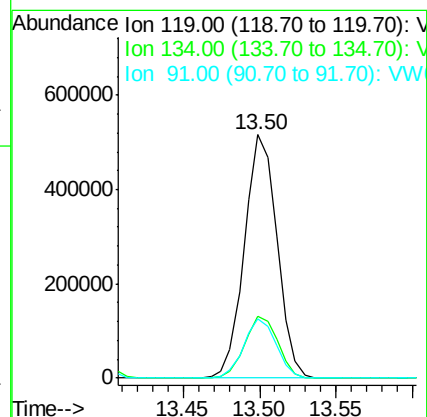
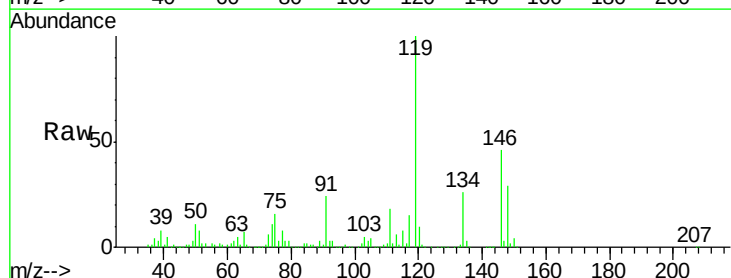
Tgt Ion:119 Resp: 763681

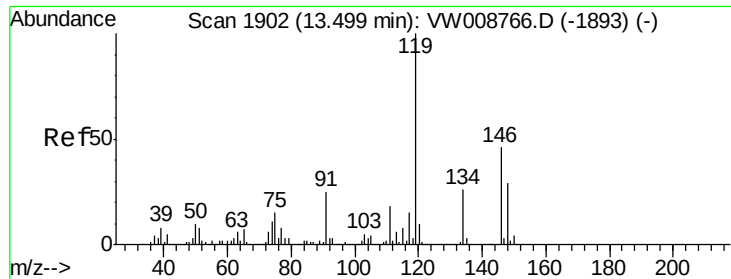
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 12.1 36.3





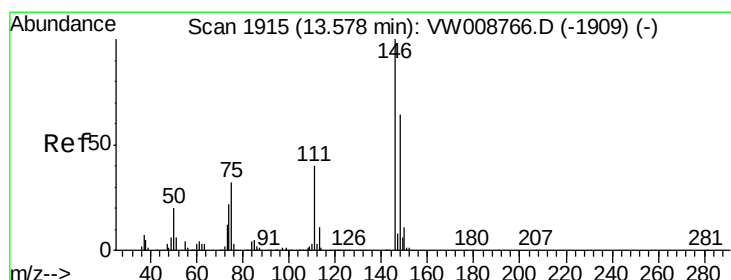
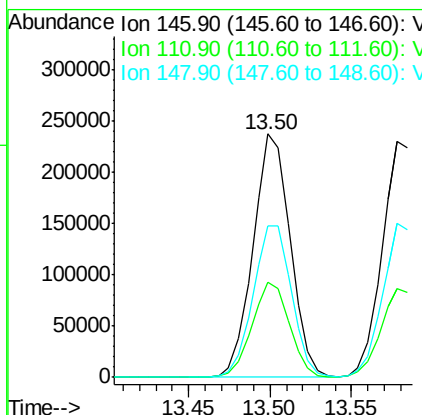
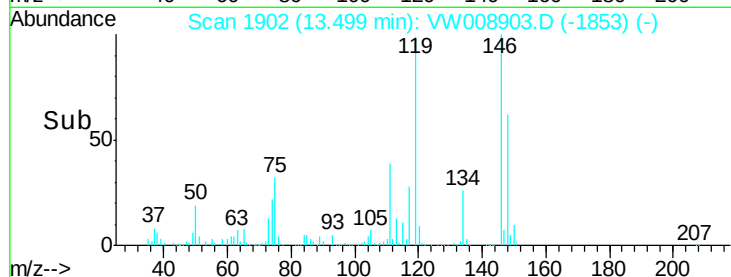
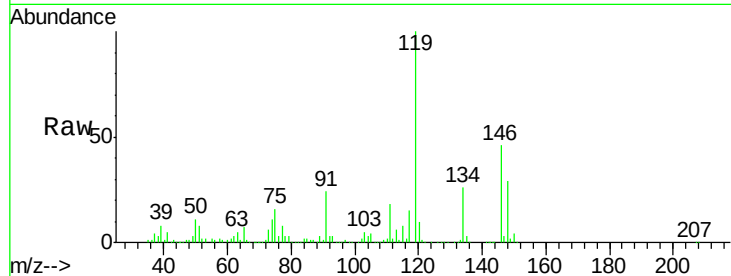
#87
 1,3-Dichlorobenzene
 Concen: 51.570 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	64.2	31.6	94.8

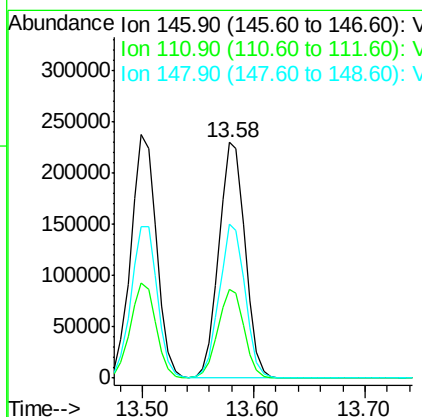
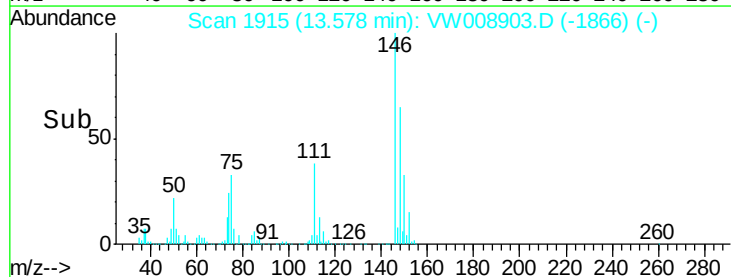
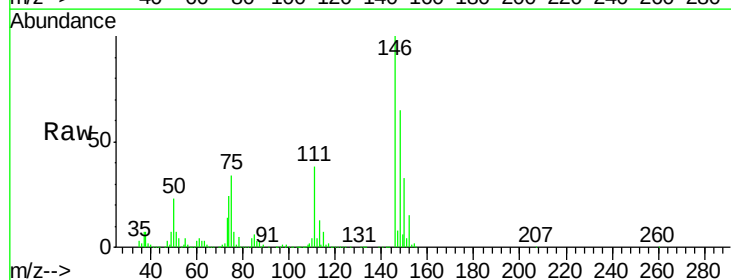
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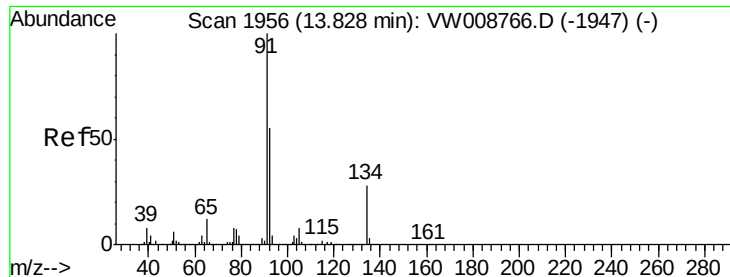
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#88
 1,4-Dichlorobenzene
 Concen: 51.955 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.9
148	64.0	31.9	95.9





#89

n-Butylbenzene

Concen: 52.137 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

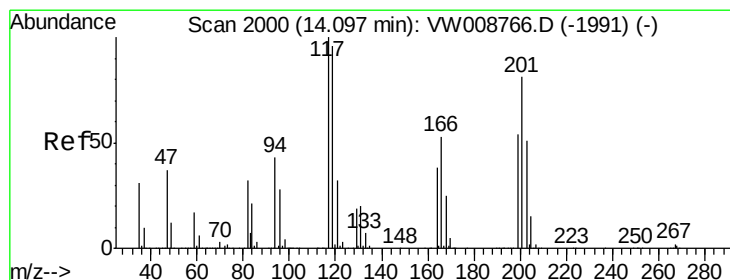
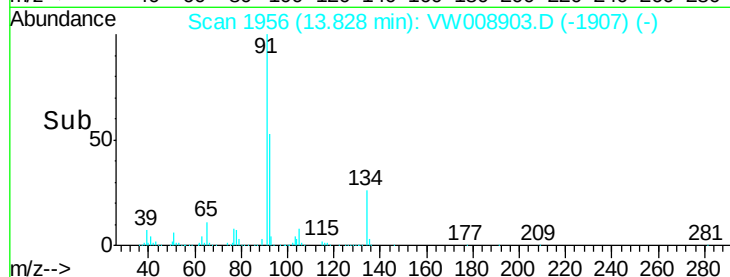
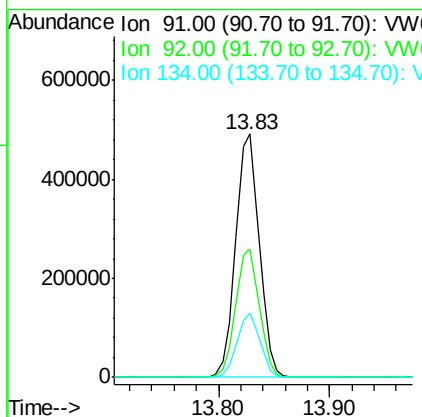
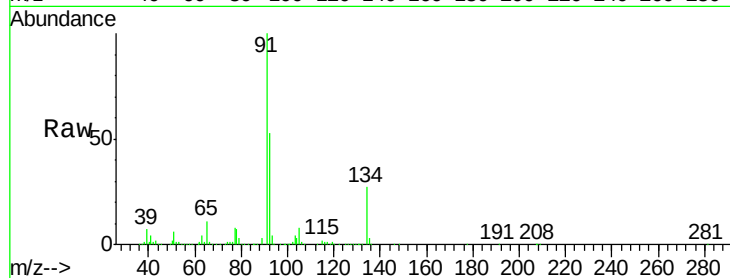
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	720357
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.8	80.4
134	26.0	13.5	40.4

Manual Integrations
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#90

Hexachloroethane

Concen: 53.247 ug/l

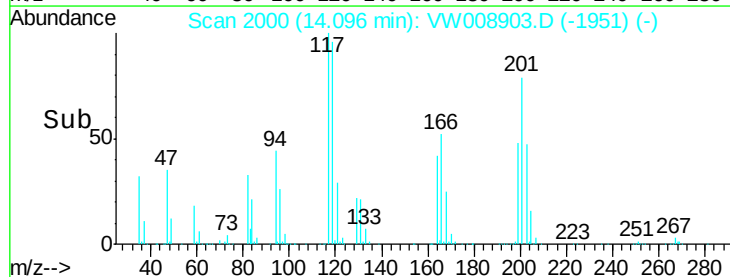
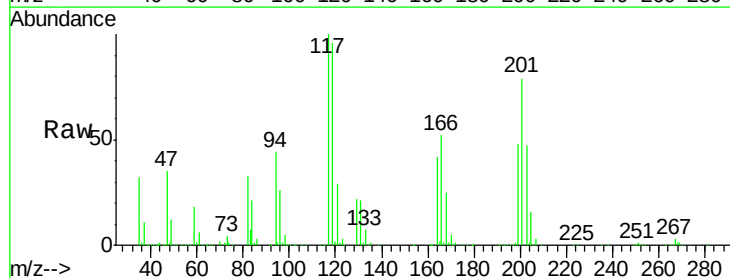
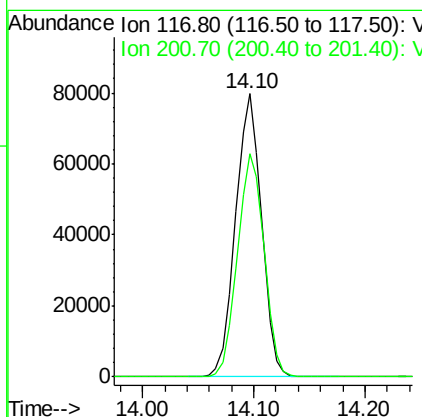
RT: 14.10 min Scan# 2000

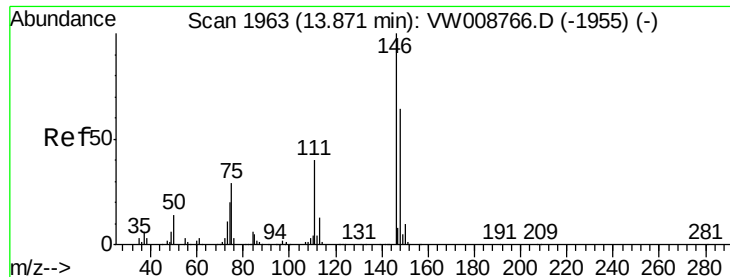
Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion:	117	Resp:	128557
Ion Ratio	Lower	Upper	
117	100		
201	80.9	40.3	120.8





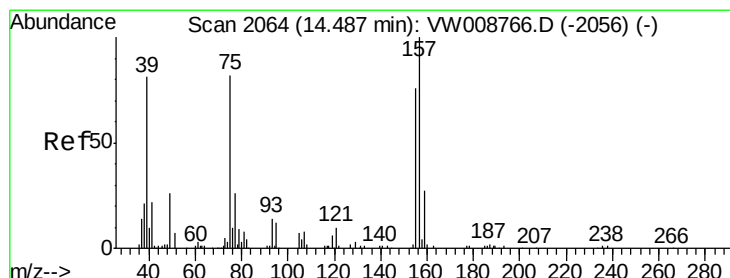
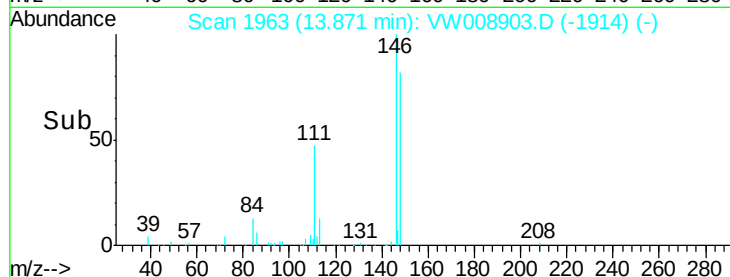
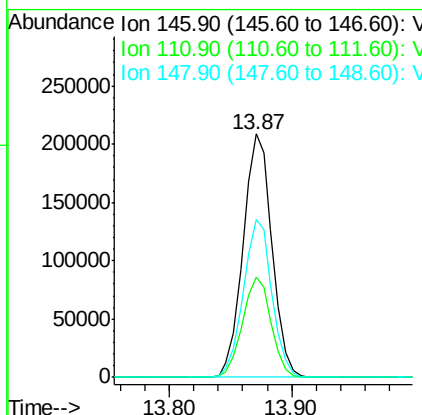
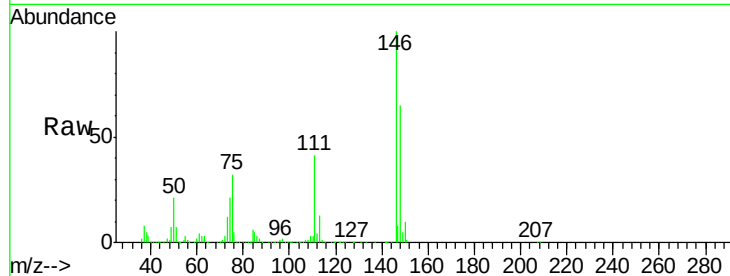
#91
 1,2-Dichlorobenzene
 Concen: 52.316 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	340302		
111	40.7	20.3	60.8	
148	64.4	32.5	97.5	

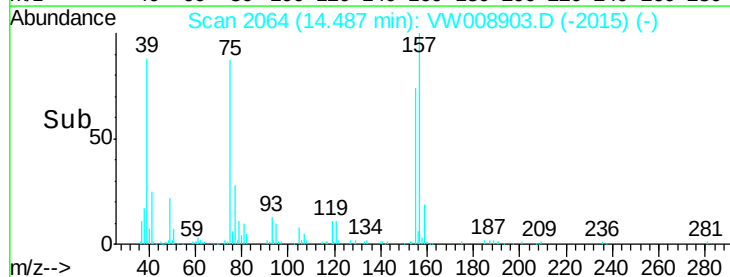
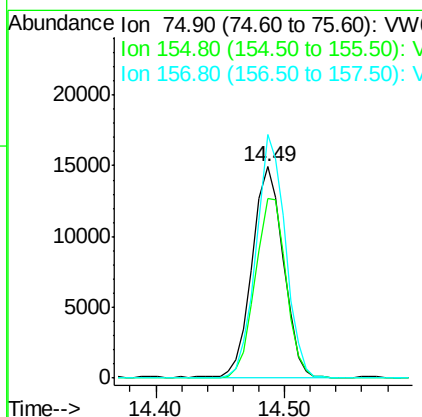
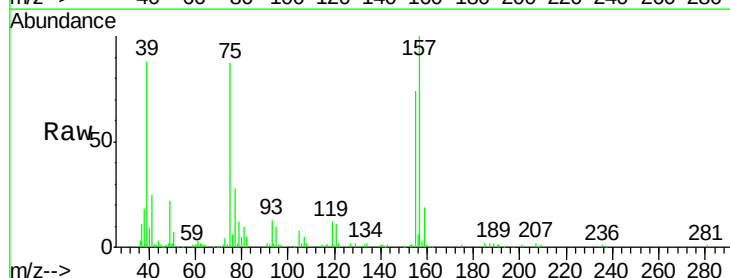
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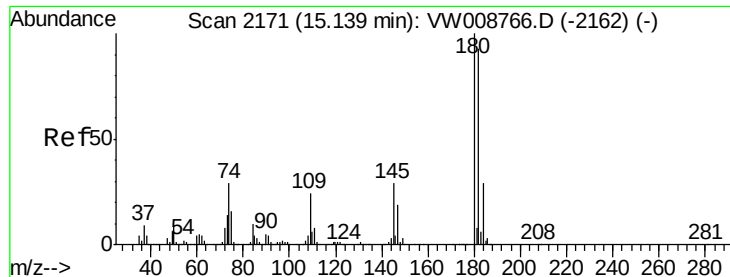
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.221 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25183		
155	83.6	41.8	125.4	
157	106.4	56.6	169.9	





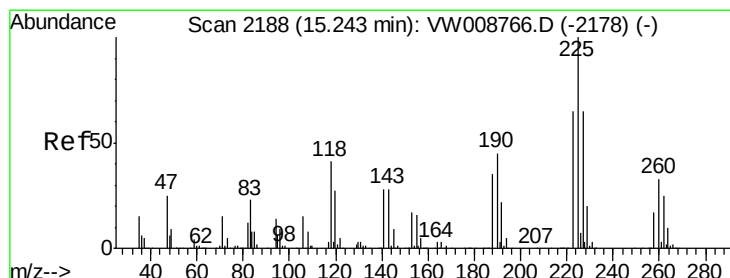
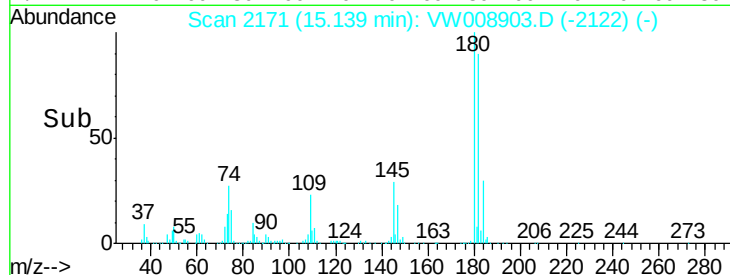
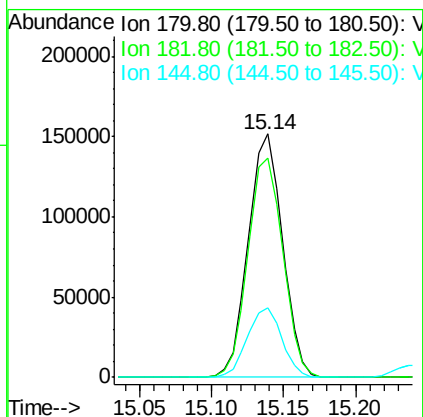
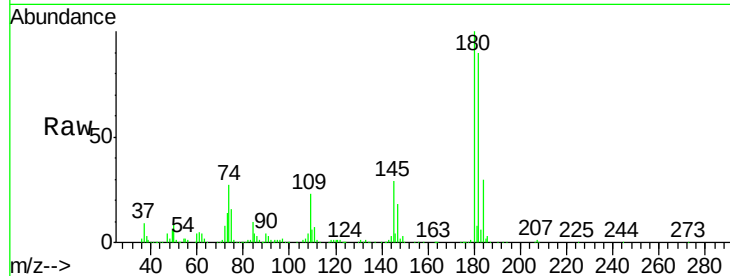
#93
 1,2,4-Trichlorobenzene
 Concen: 53.249 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249565		
182	92.4	47.2	141.6	
145	29.0	14.4	43.0	

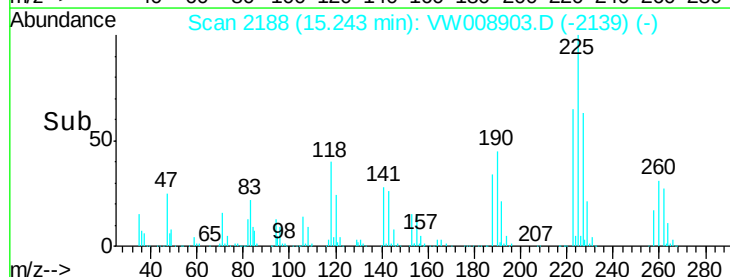
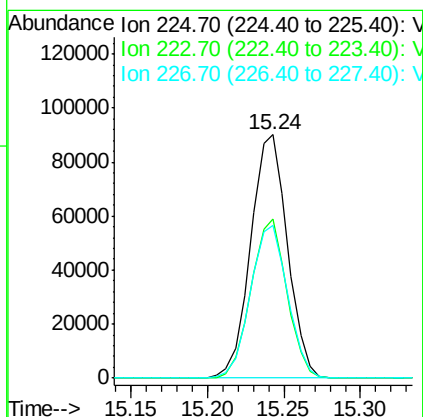
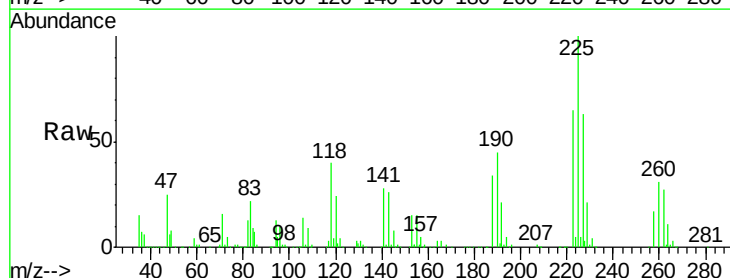
Manual Integrations
 APPROVED

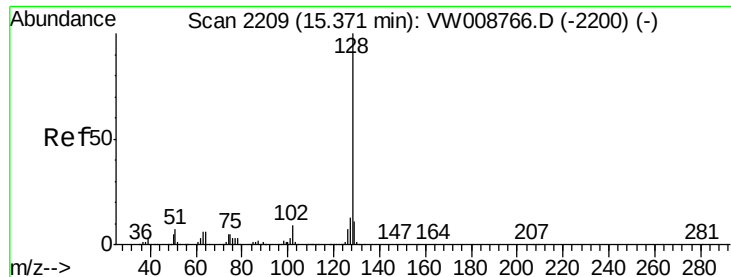
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.421 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150237		
223	63.9	31.5	94.5	
227	63.5	31.6	94.8	





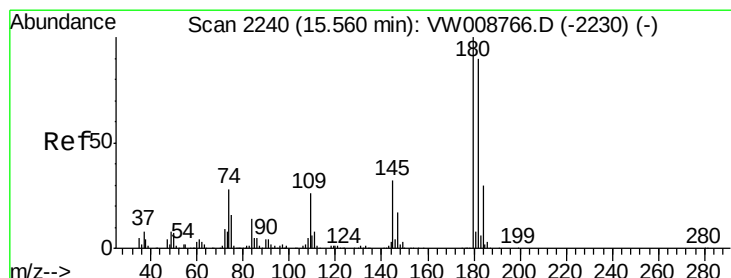
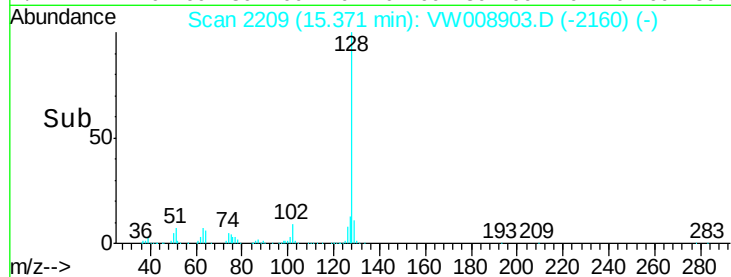
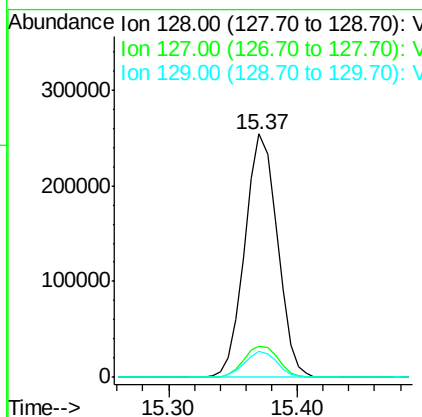
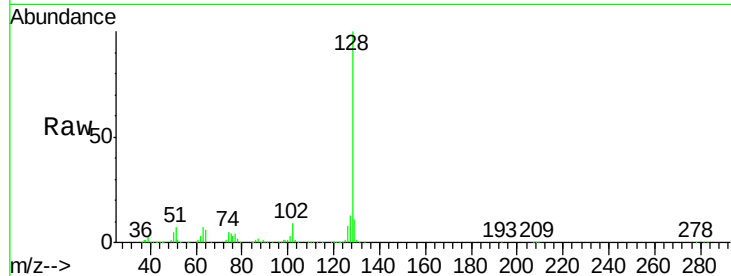
#95
Naphthalene
Concen: 55.642 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.227 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.8
145	31.6	15.9	47.6

