

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000961.D
 Acq On : 24 Jan 2018 21:07
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:34:00 PM

Quant Time: Jan 25 06:01:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	332015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120668	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
35) Dibromofluoromethane	7.88	113	107634	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.33	98	445369	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.63	95	156538	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	127247	47.63	ug/l	98
3) Chloromethane	2.22	50	103904	44.01	ug/l	94
4) Vinyl Chloride	2.36	62	100096	45.58	ug/l	99
5) Bromomethane	2.75	94	71322	49.22	ug/l	99
6) Chloroethane	2.90	64	54676	44.80	ug/l	98
7) Trichlorofluoromethane	3.25	101	188077	46.51	ug/l	100
8) Diethyl Ether	3.68	74	44978	44.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	132797	50.83	ug/l	99
10) Methyl Iodide	4.26	142	109573	40.58	ug/l	100
11) Tert butyl alcohol	5.19	59	72902	253.12	ug/l	96
12) 1,1-Dichloroethene	4.03	96	114899	51.17	ug/l	96
13) Acrolein	3.89	56	64228	228.40	ug/l	98
14) Allyl chloride	4.66	41	162396	46.42	ug/l	99
15) Acrylonitrile	5.37	53	194750	246.13	ug/l	99
16) Acetone	4.13	43	224980	209.26	ug/l	100
17) Carbon Disulfide	4.37	76	359314	48.45	ug/l	99
18) Methyl Acetate	4.67	43	93091	47.65	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	282197	48.92	ug/l	98
20) Methylene Chloride	4.91	84	115038	47.97	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	123770	47.44	ug/l	97
22) Diisopropyl ether	6.32	45	305187	48.72	ug/l	99
23) Vinyl Acetate	6.26	43	883698	227.05	ug/l	98
24) 1,1-Dichloroethane	6.21	63	197446	47.09	ug/l	99
25) 2-Butanone	7.18	43	288275	245.35	ug/l	100
26) 2,2-Dichloropropane	7.17	77	193246	45.53	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	125614	46.59	ug/l	98
28) Bromochloromethane	7.51	49	80911	45.94	ug/l	98
29) Tetrahydrofuran	7.53	42	165209	255.55	ug/l	99
30) Chloroform	7.68	83	207821	45.95	ug/l	97
31) Cyclohexane	7.95	56	200954	46.43	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205532	47.03	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178619	51.27	ug/l	100
37) Ethyl Acetate	7.26	43	100324	51.01	ug/l	99
38) Carbon Tetrachloride	8.07	117	194980	50.73	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	221598	52.80	ug/l	97
40) Benzene	8.32	78	467179	49.31	ug/l	99
41) Methacrylonitrile	7.49	41	60902	55.17	ug/l	99
42) 1,2-Dichloroethane	8.40	62	142183	48.71	ug/l	99
43) Isopropyl Acetate	8.43	43	169925	50.97	ug/l	100
44) Trichloroethene	9.09	130	140882	50.05	ug/l	98
45) 1,2-Dichloropropane	9.37	63	109230	49.42	ug/l	99
46) Dibromomethane	9.46	93	68449	48.47	ug/l	98
47) Bromodichloromethane	9.65	83	152657	48.88	ug/l	98
48) Methyl methacrylate	9.44	41	83525	52.16	ug/l	97
49) 1,4-Dioxane	9.45	88	35290	1143.34	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	512097	266.93	ug/l	99
52) Toluene	10.40	92	301458	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	152883	48.32	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	171131	49.16	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	98308	49.85	ug/l	99
56) Ethyl methacrylate	10.65	69	127308	48.24	ug/l	99
57) 1,3-Dichloropropane	10.94	76	160432	49.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	378418	251.67	ug/l	100
59) 2-Hexanone	10.98	43	395912	235.64	ug/l	99
60) Dibromochloromethane	11.14	129	117206	49.21	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101758	49.53	ug/l	98
64) Tetrachloroethene	10.87	164	145034	52.63	ug/l	99
65) Chlorobenzene	11.67	112	334143	49.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	120039	49.08	ug/l	99
67) Ethyl Benzene	11.74	91	588498	51.14	ug/l	99
68) m/p-Xylenes	11.85	106	460360	102.93	ug/l	99
69) o-Xylene	12.18	106	211146	51.48	ug/l	99
70) Styrene	12.19	104	345217	51.63	ug/l	100
71) Bromoform	12.36	173	83203	50.14	ug/l #	99
73) Isopropylbenzene	12.48	105	604536	52.66	ug/l	99
74) N-amyl acetate	12.29	43	149238	53.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	127350	51.91	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	97974m	47.66	ug/l	
77) Bromobenzene	12.76	156	146239	50.07	ug/l	100
78) n-propylbenzene	12.82	91	718064	51.85	ug/l	99
79) 2-Chlorotoluene	12.91	91	397212	50.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	511242	52.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34893	43.25	ug/l	99
82) 4-Chlorotoluene	13.01	91	417583	50.31	ug/l	99
83) tert-Butylbenzene	13.23	119	452297	52.86	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	513893	52.04	ug/l	99
85) sec-Butylbenzene	13.40	105	646846	52.39	ug/l	100
86) p-Isopropyltoluene	13.52	119	578050	52.78	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	285947	49.36	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282227	48.72	ug/l	100
89) n-Butylbenzene	13.84	91	539792	52.47	ug/l	99
90) Hexachloroethane	14.11	117	102079	50.14	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	262063	50.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29983	55.37	ug/l	97

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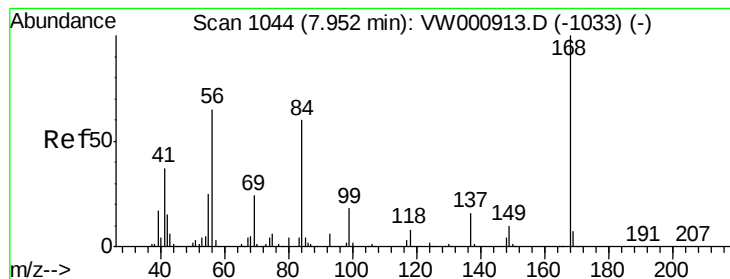
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	199598	51.32	ug/l	99
94) Hexachlorobutadiene	15.26	225	128905	52.29	ug/l	99
95) Naphthalene	15.39	128	463568	56.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	186458	52.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 277091

Ion Ratio Lower Upper

168 100

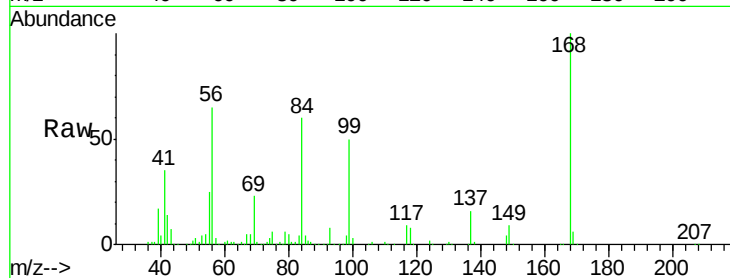
99 50.0 40.6 61.0

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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

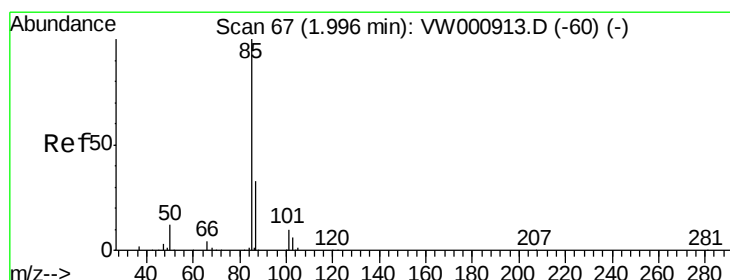
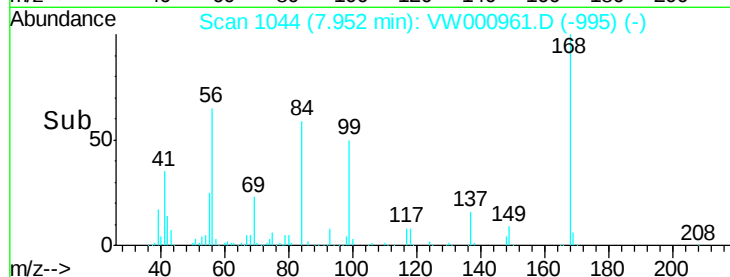
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.63 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000961.D

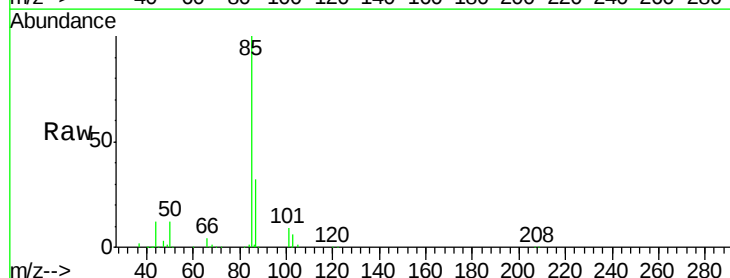
Acq: 24 Jan 2018 21:07

Tgt Ion: 85 Resp: 127247

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

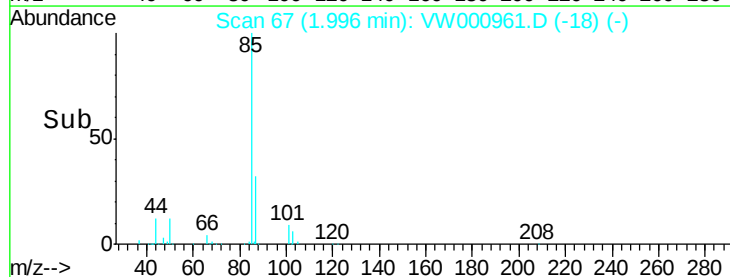
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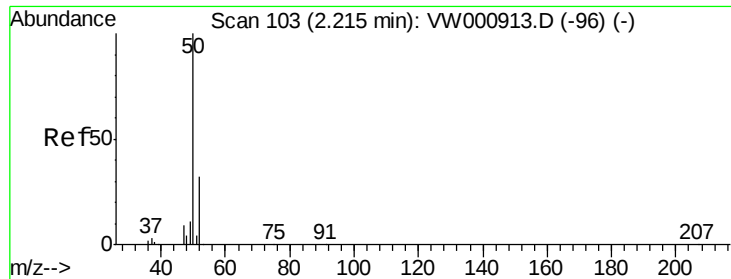
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.01 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103904

Ion Ratio Lower Upper

50 100

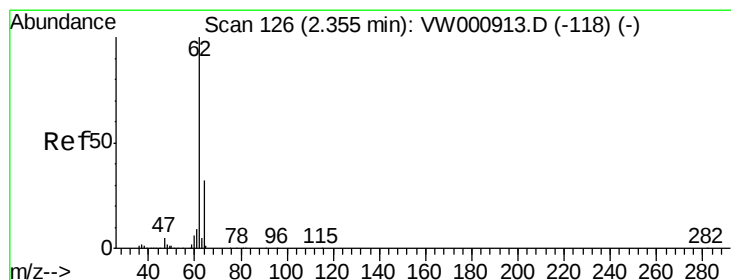
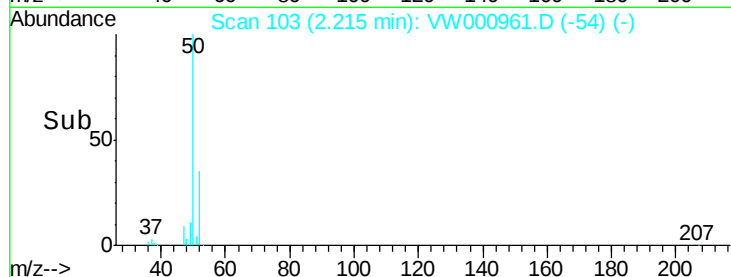
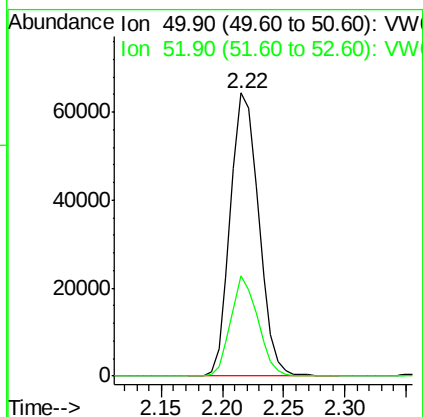
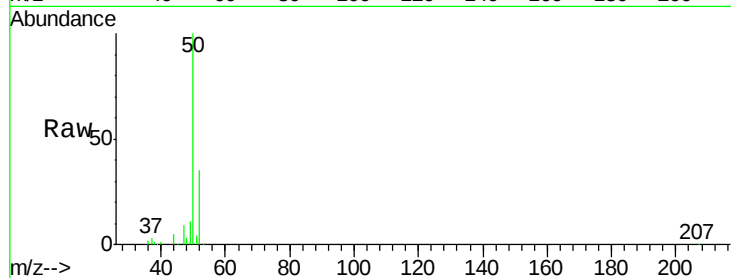
52 35.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.58 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000961.D

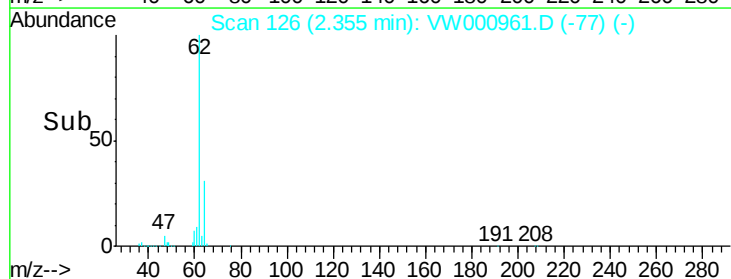
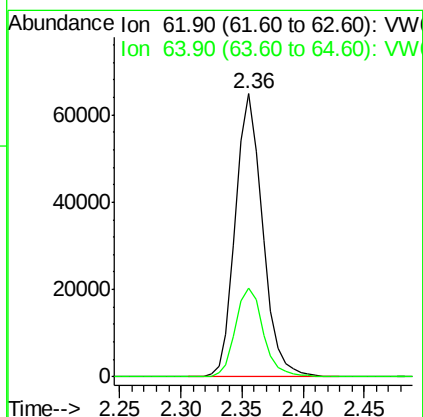
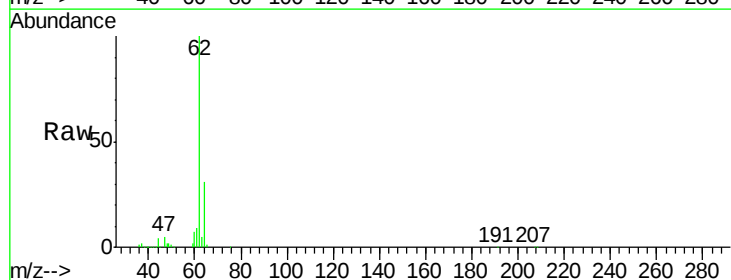
Acq: 24 Jan 2018 21:07

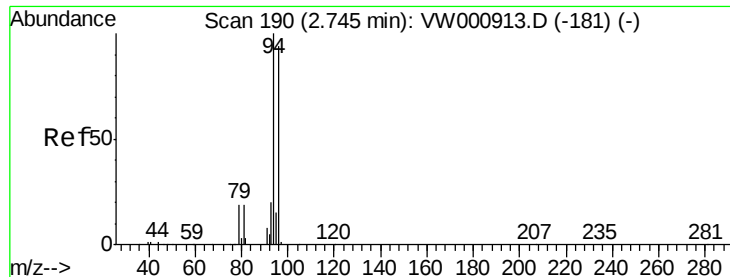
Tgt Ion: 62 Resp: 100096

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 49.22 ug/l

RT: 2.75 min Scan# 190

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71322

Ion Ratio Lower Upper

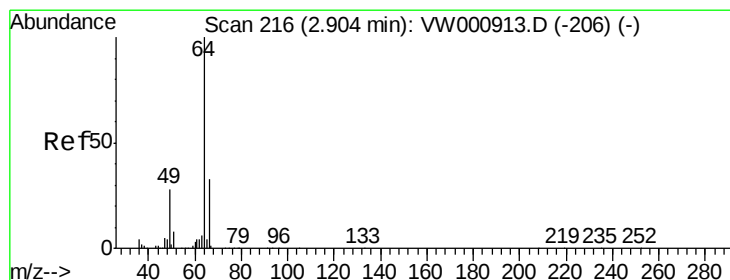
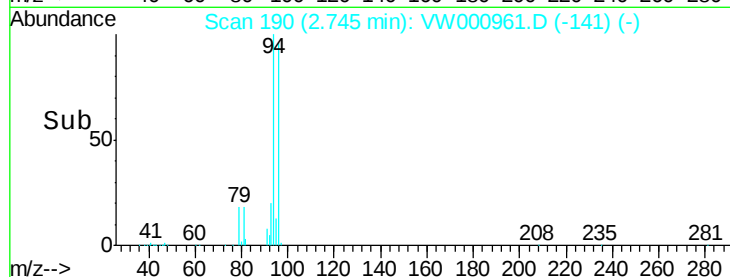
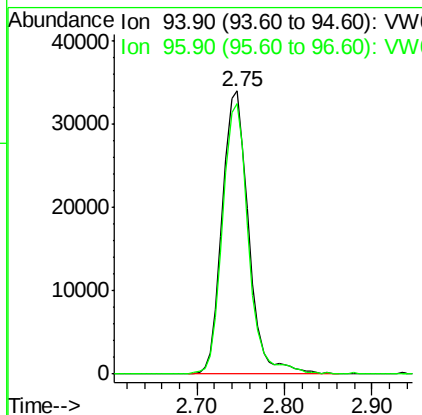
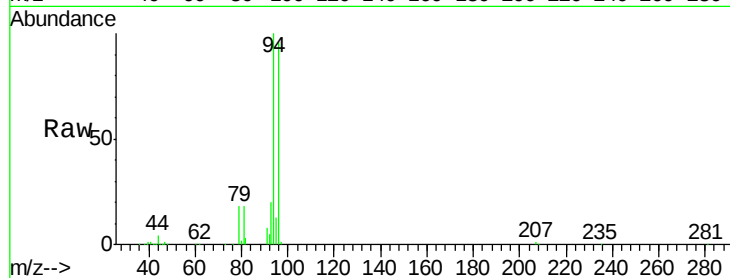
94 100

96 95.8 75.5 113.3

Manual Integrations
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1/25/2018 1:34:00 PM



#6

Chloroethane

Concen: 44.80 ug/l

RT: 2.90 min Scan# 216

Delta R.T. 0.00 min

Lab File: VW000961.D

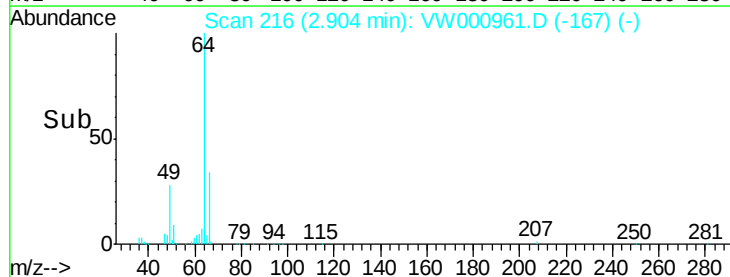
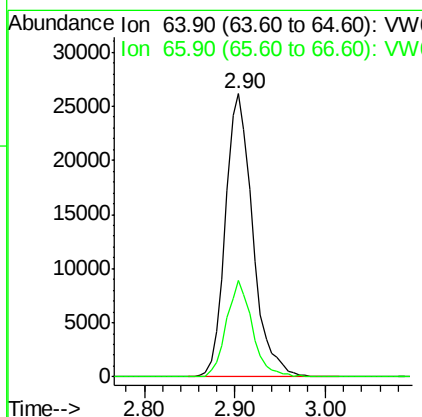
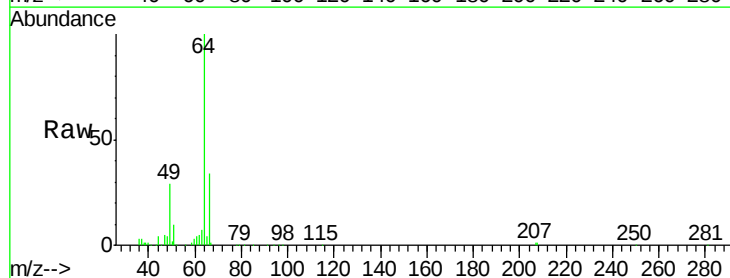
Acq: 24 Jan 2018 21:07

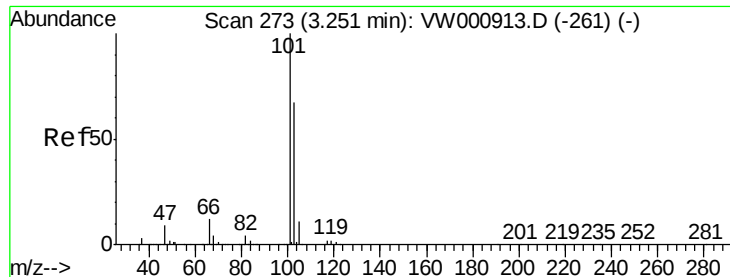
Tgt Ion: 64 Resp: 54676

Ion Ratio Lower Upper

64 100

66 33.7 26.1 39.1





#7

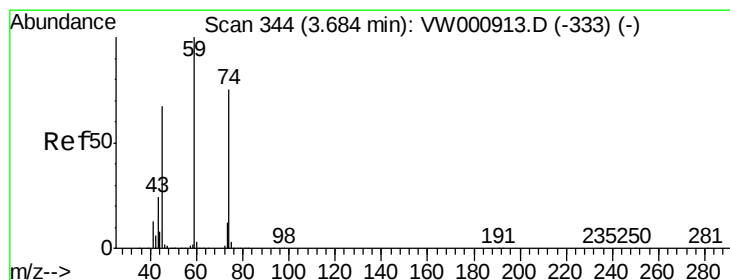
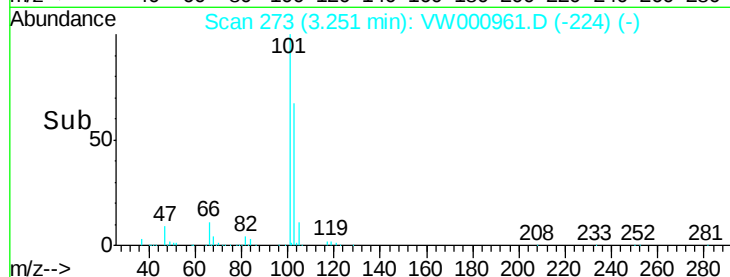
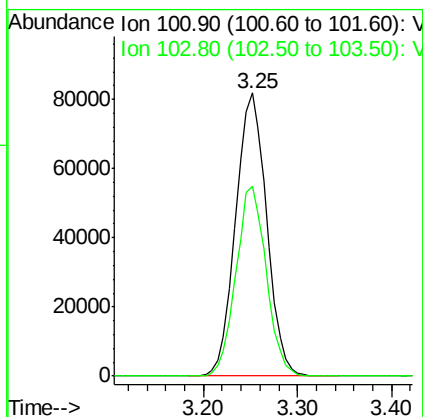
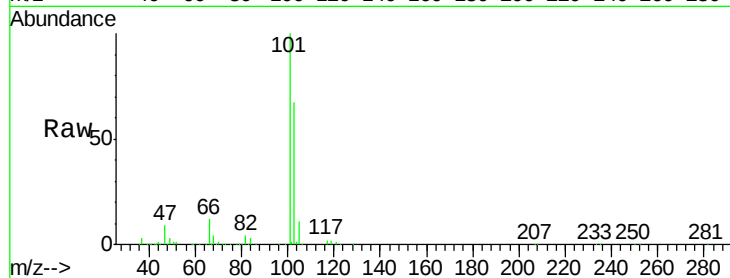
Trichlorofluoromethane
Concen: 46.51 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW000961.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.4	80.0

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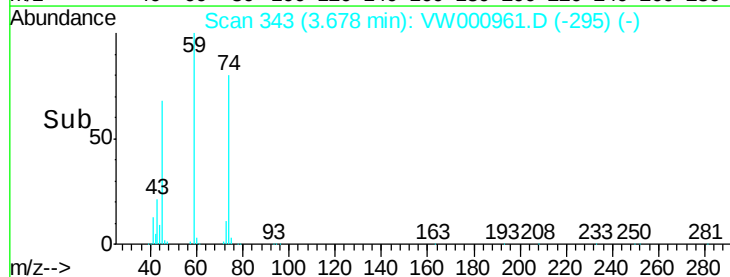
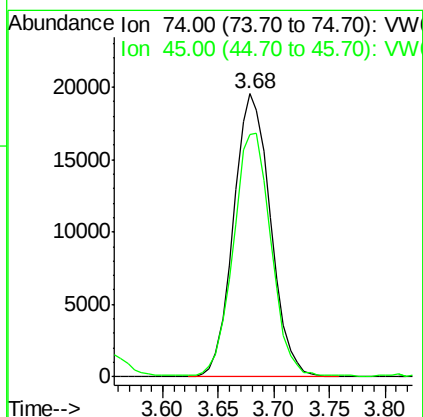
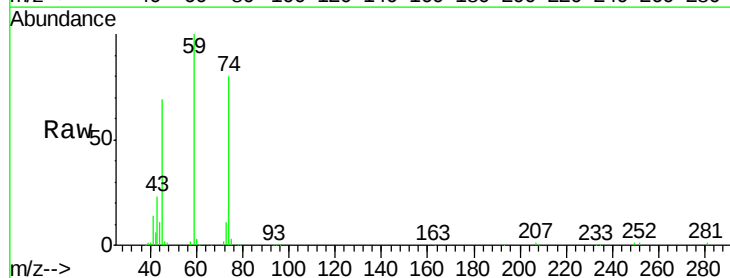
MMDadoda
1/25/2018 1:34:00 PM

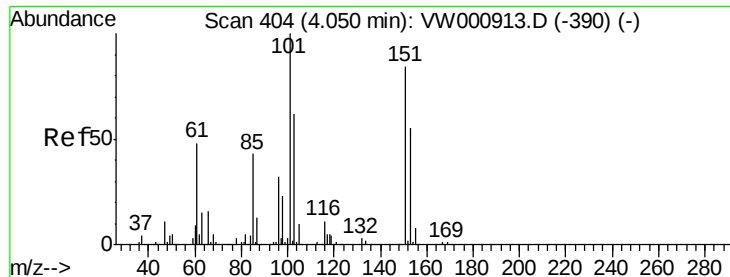


#8

Diethyl Ether
Concen: 44.40 ug/l
RT: 3.68 min Scan# 343
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.3	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.83 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

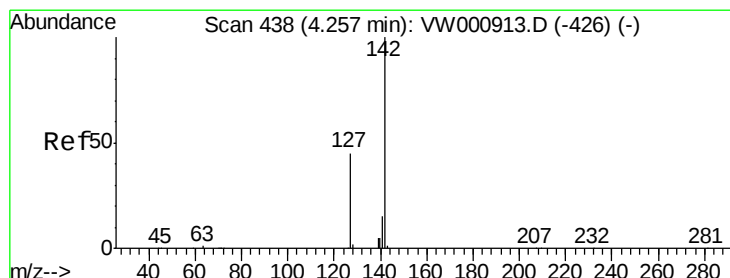
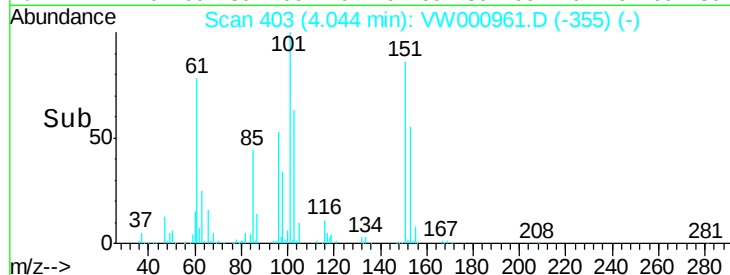
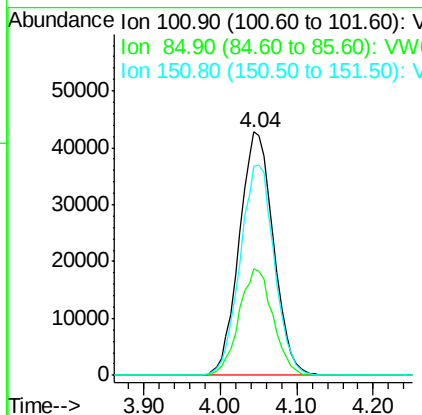
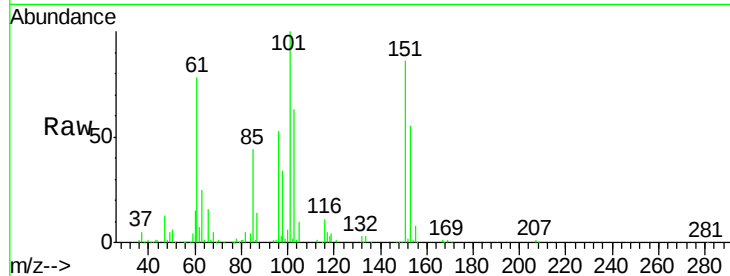
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	132797
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.3	52.9
151	86.6	69.9	104.9

Manual Integrations
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1/25/2018 1:34:00 PM



#10

Methyl Iodide

Concen: 40.58 ug/l

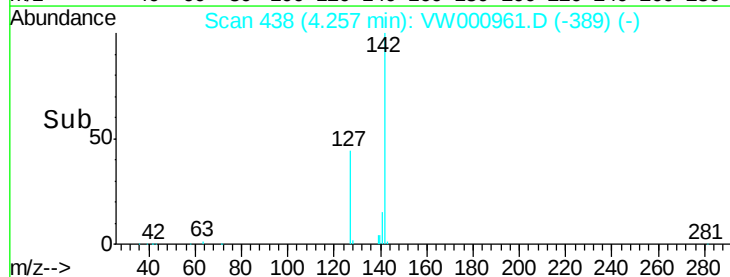
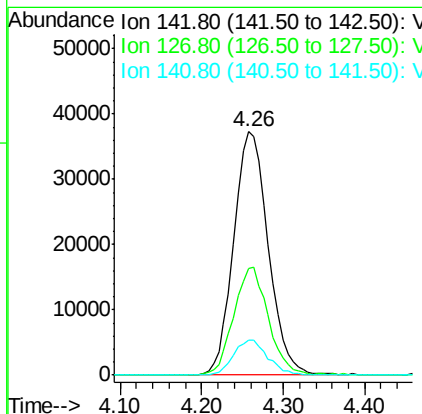
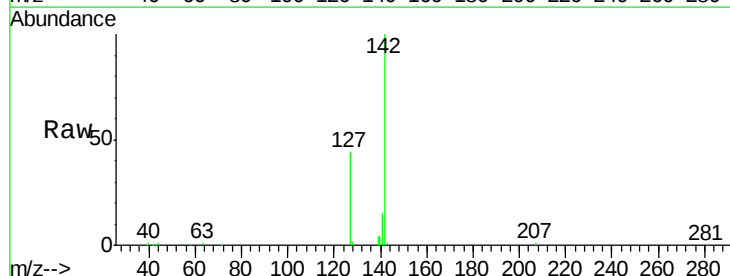
RT: 4.26 min Scan# 438

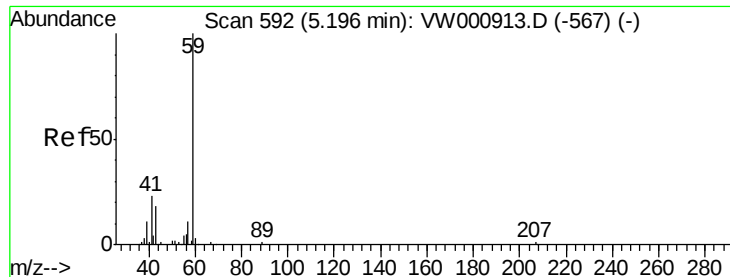
Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	142	Resp:	109573
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.5	53.3
141	14.3	11.7	17.5





#11

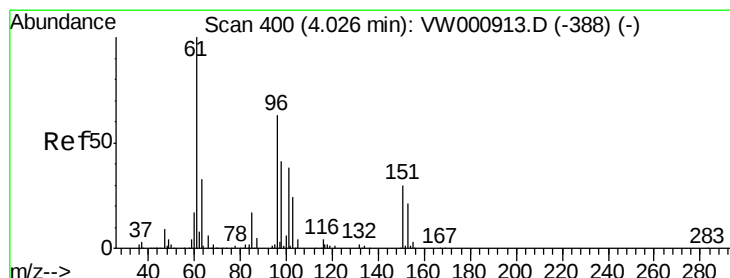
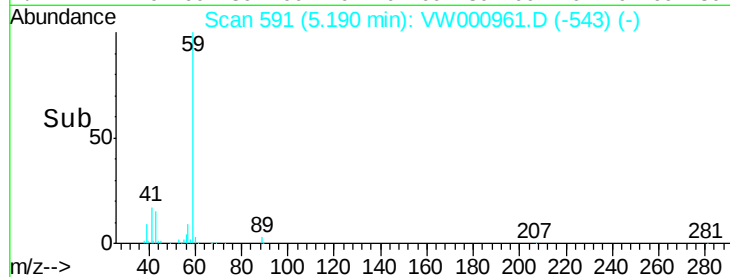
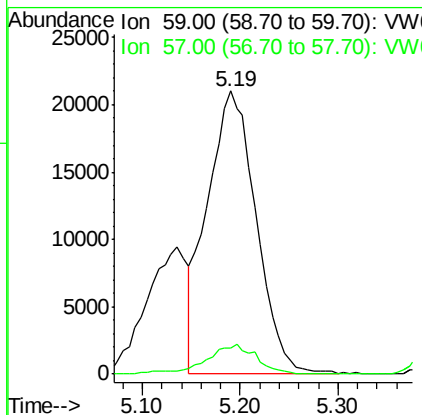
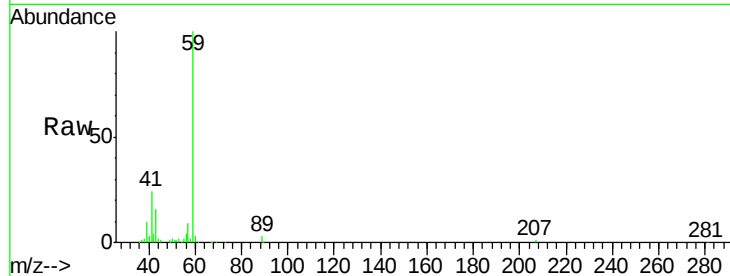
Tert butyl alcohol
Concen: 253.12 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	72902
Ion Ratio	100	Lower	Upper
57	10.1	7.0	10.6

Manual Integrations
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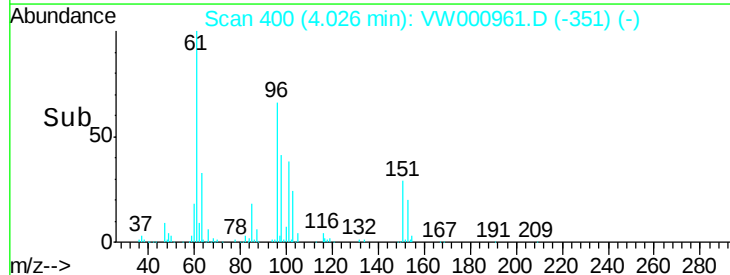
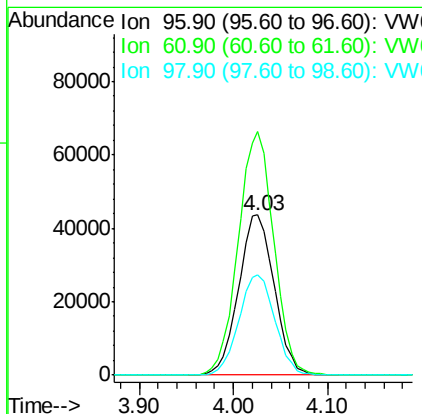
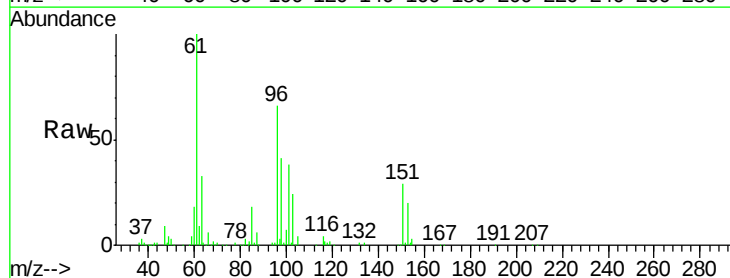
MMDadoda
1/25/2018 1:34:00 PM

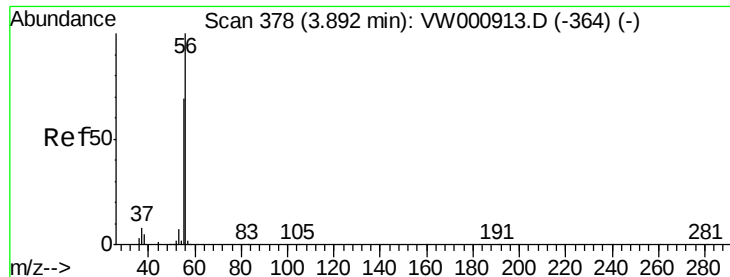


#12

1,1-Dichloroethene
Concen: 51.17 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	96	Resp	114899
Ion Ratio	100	Lower	Upper
61	152.2	126.7	190.1
98	62.8	52.1	78.1





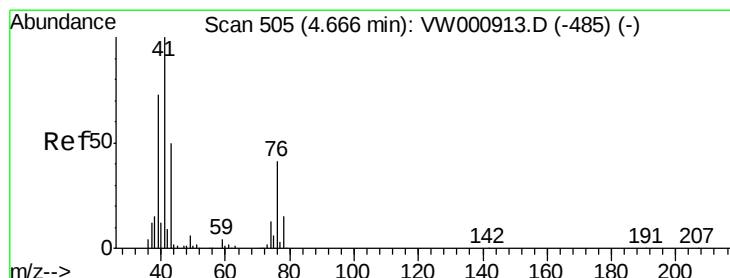
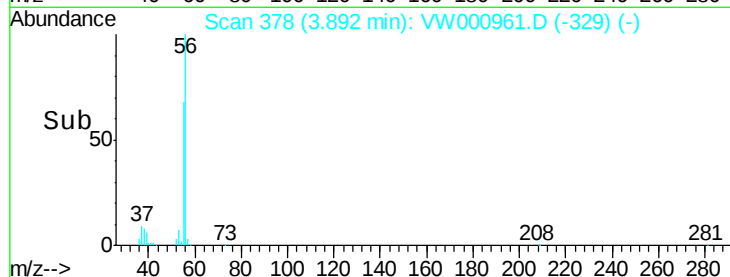
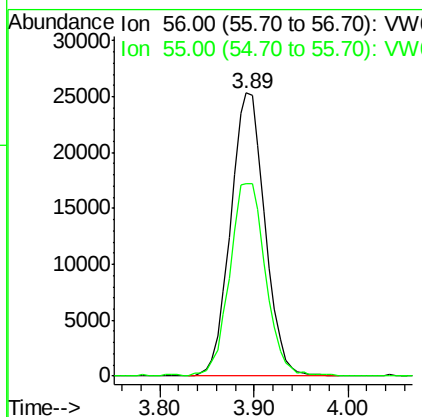
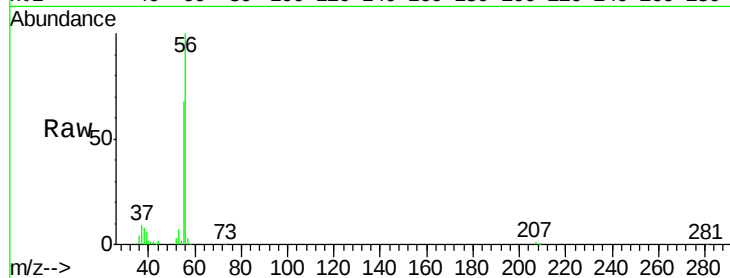
#13
 Acrolein
 Concen: 228.40 ug/l
 RT: 3.89 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	64228
Ion Ratio	100	Lower	Upper
55	70.4	55.4	83.0

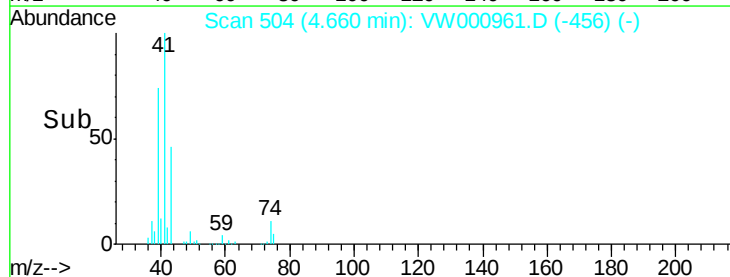
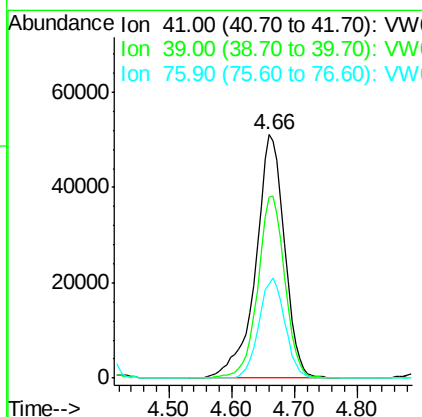
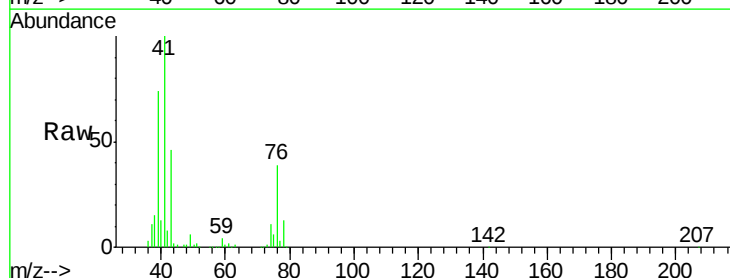
Manual Integrations
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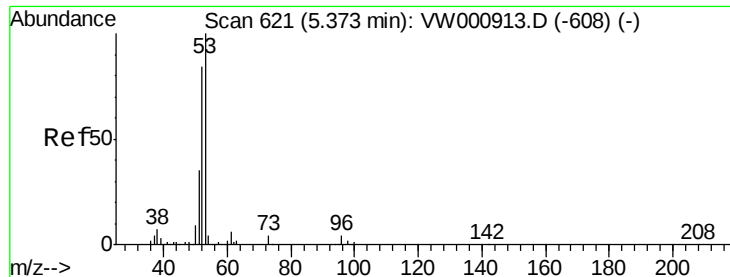
MMDadoda
 1/25/2018 1:34:00 PM



#14
 Allyl chloride
 Concen: 46.42 ug/l
 RT: 4.66 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	41	Resp	162396
Ion Ratio	100	Lower	Upper
39	70.2	55.3	82.9
76	37.0	29.9	44.9





#15

Acrylonitrile

Concen: 246.13 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

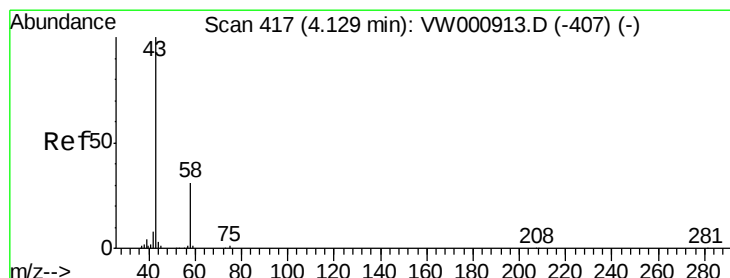
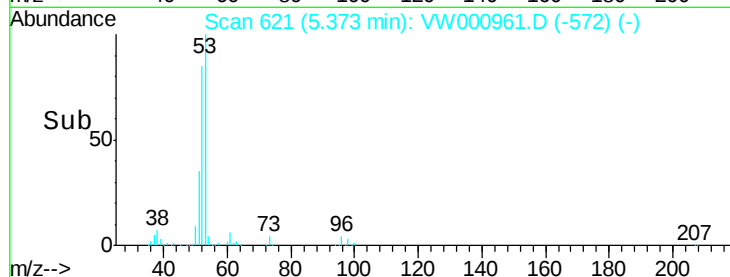
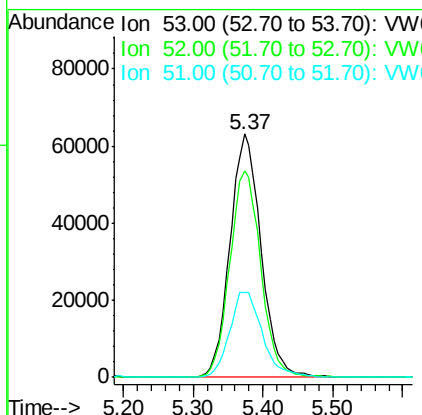
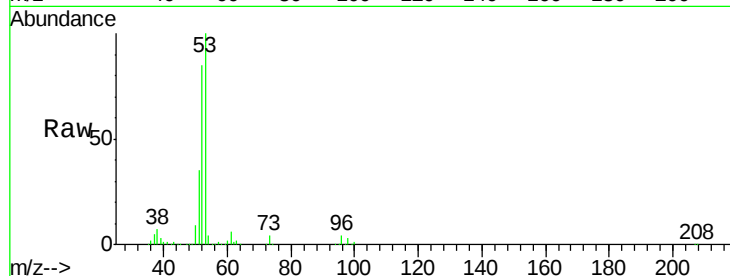
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	194750
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.6	99.8
51	37.2	29.4	44.0

Manual Integrations
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1/25/2018 1:34:00 PM



#16

Acetone

Concen: 209.26 ug/l

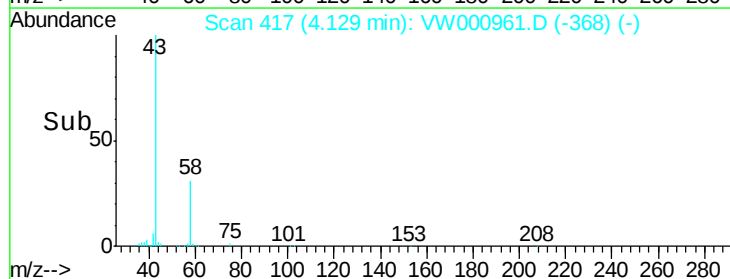
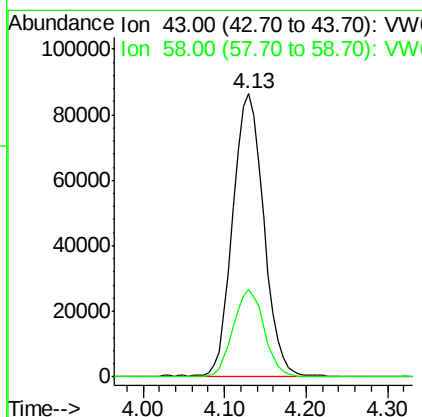
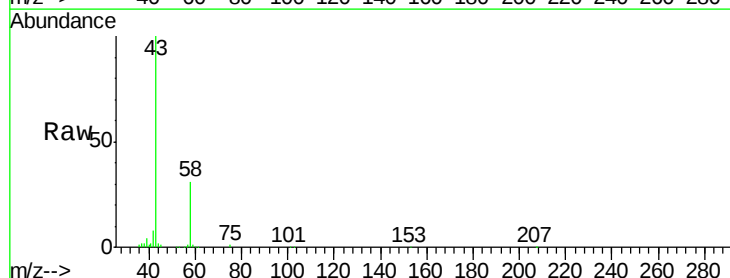
RT: 4.13 min Scan# 417

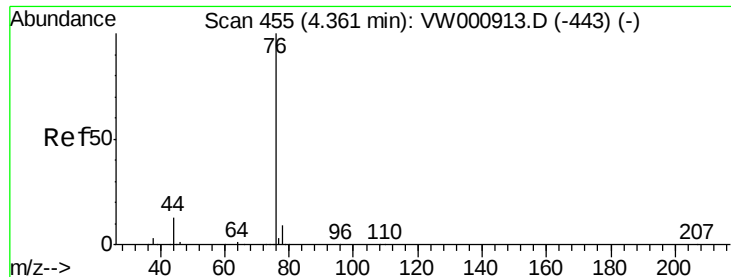
Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	43	Resp:	224980
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.9	37.3





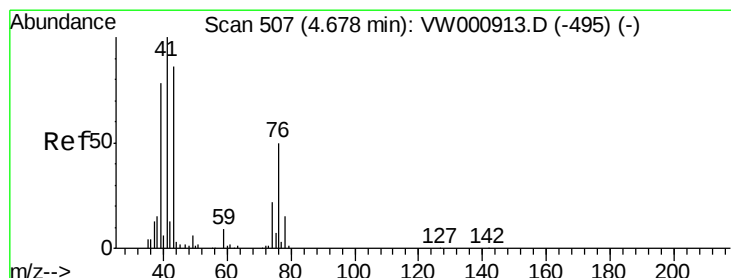
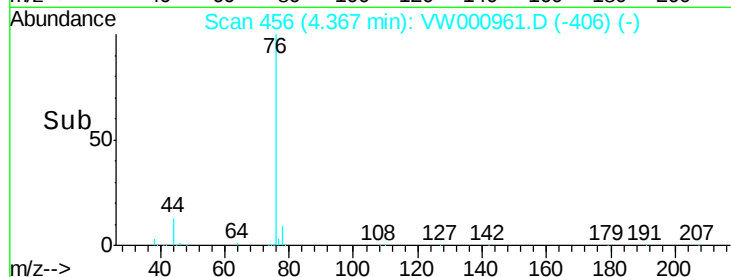
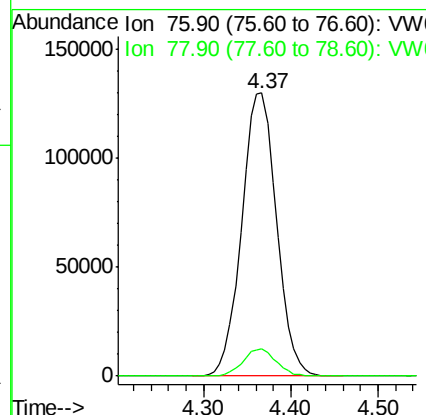
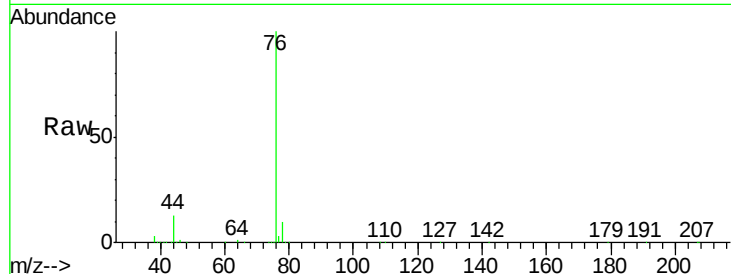
#17
Carbon Disulfide
Concen: 48.45 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

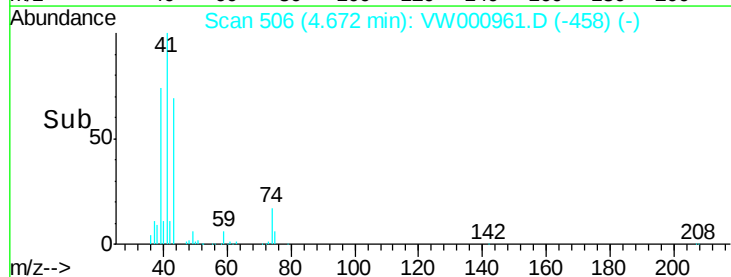
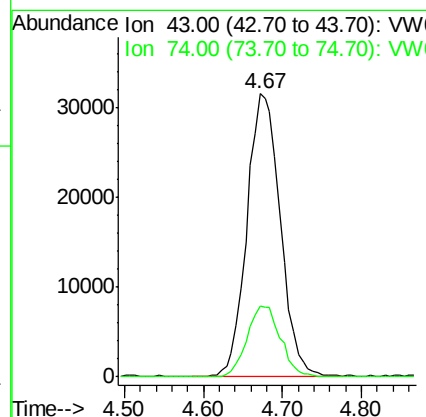
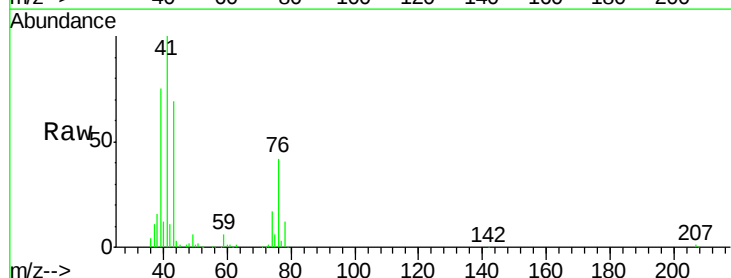
Manual Integrations
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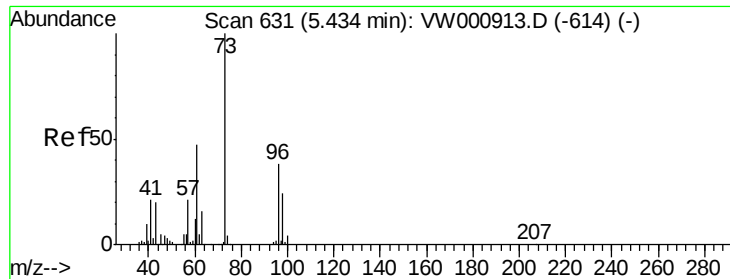
MMDadoda
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#18
Methyl Acetate
Concen: 47.65 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.5	30.7





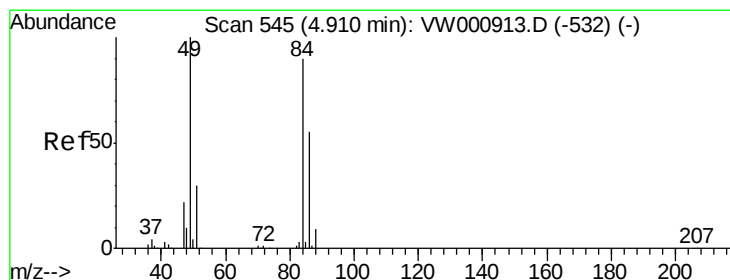
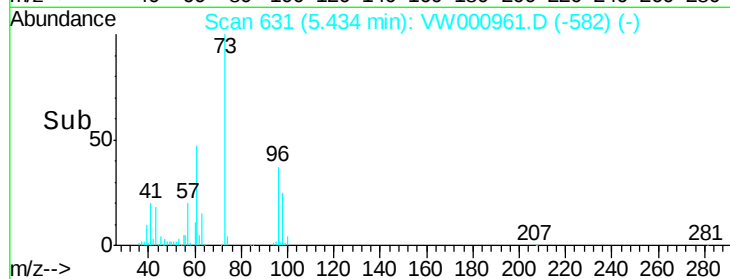
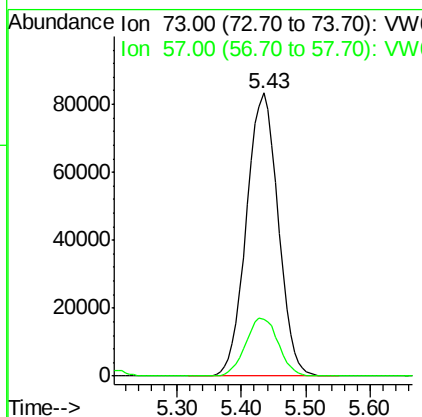
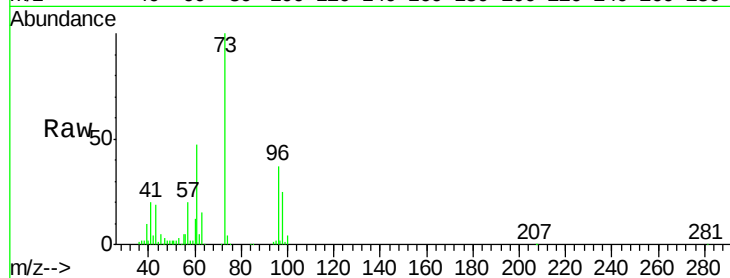
#19
Methvl tert-butvl Ether
Concen: 48.92 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.7	25.1

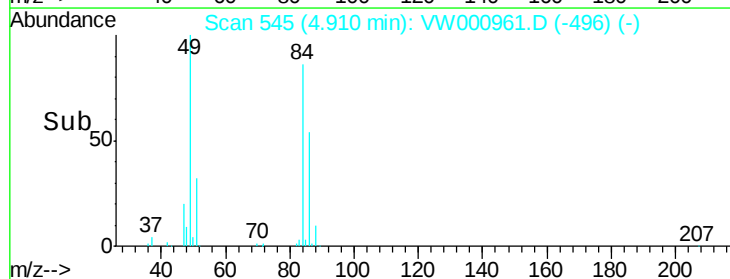
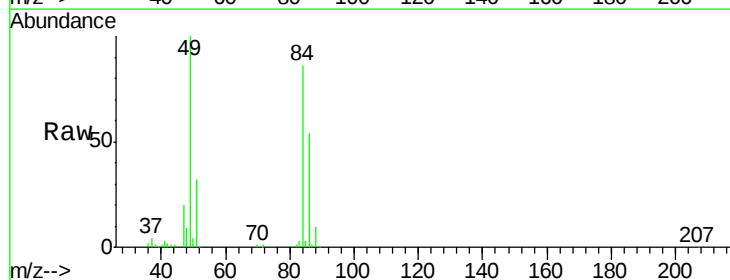
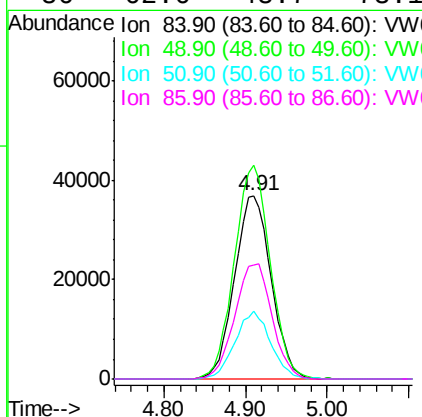
Manual Integrations
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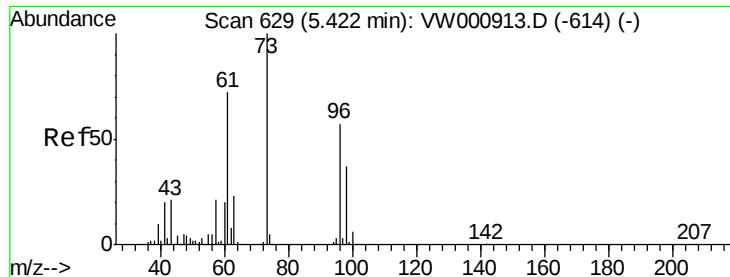
MMDadoda
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#20
Methylene Chloride
Concen: 47.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	89.0	133.4
51	37.1	26.7	40.1
86	62.6	48.7	73.1





#21

trans-1,2-Dichloroethene

Concen: 47.44 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 123770

Ion Ratio Lower Upper

96 100

61 130.2 101.1 151.7

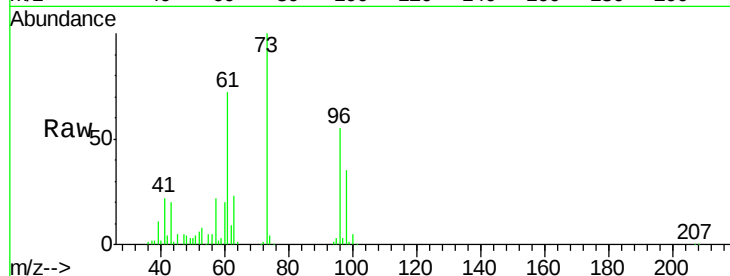
98 63.0 52.2 78.2

Manual Integrations

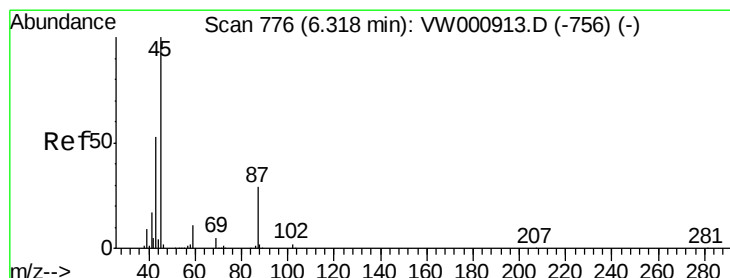
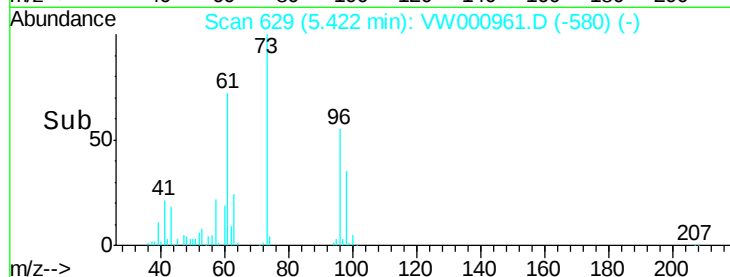
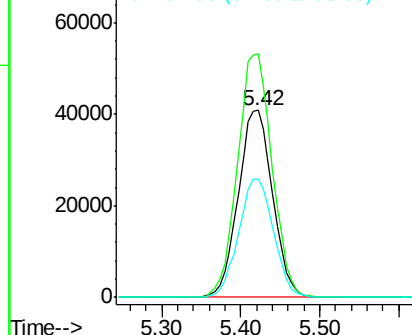
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.72 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion: 45 Resp: 305187

Ion Ratio Lower Upper

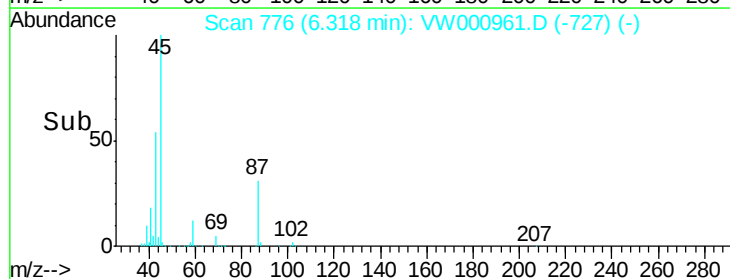
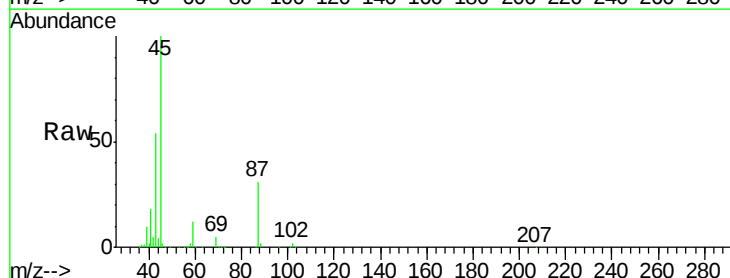
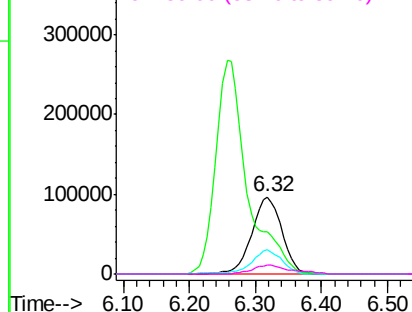
45 100

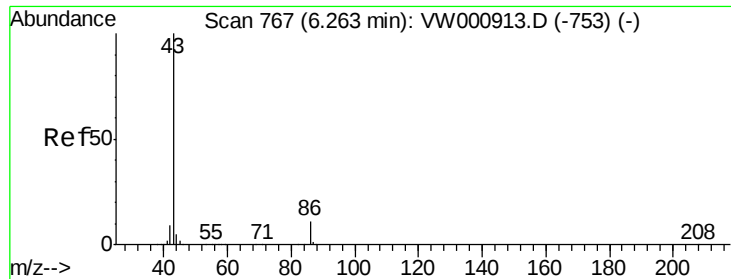
43 53.8 42.7 64.1

87 31.1 23.8 35.8

59 11.9 9.0 13.6

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 227.05 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tot Ion: 43 Resp: 883698

Ion Ratio Lower Upper

43 100

86 10.8 9.1 13.7

Instrument :

MSVOA_W

ClientSampleId :

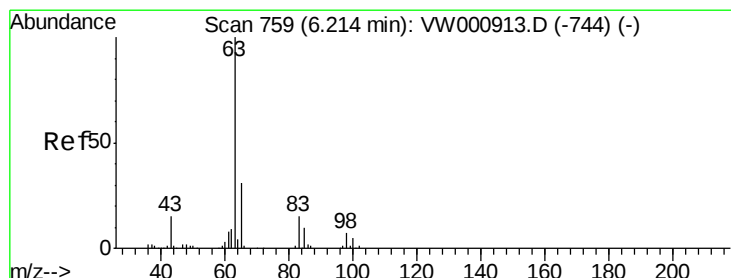
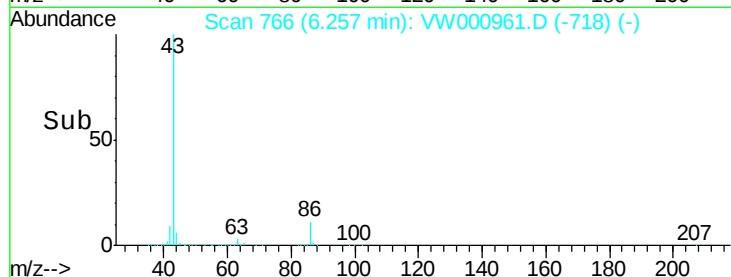
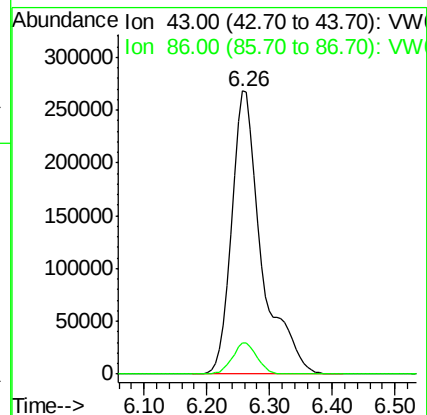
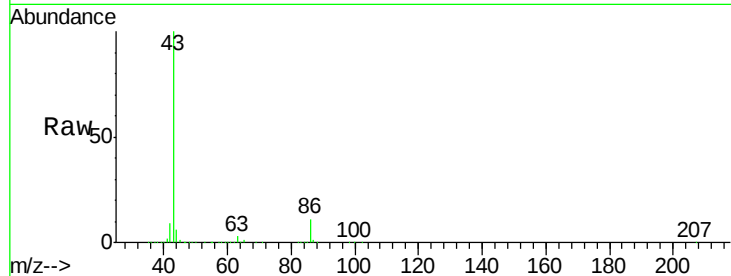
VSTDCCC050EC

Manual Integrations

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1/25/2018 1:34:00 PM



#24

1,1-Dichloroethane

Concen: 47.09 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

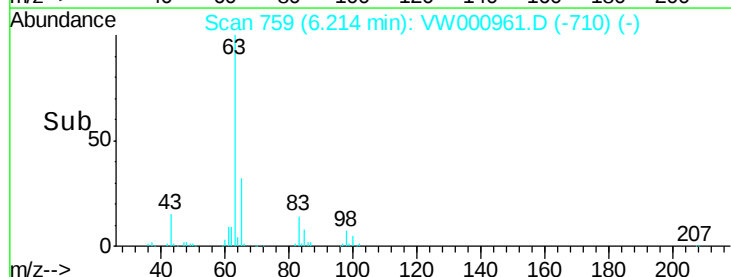
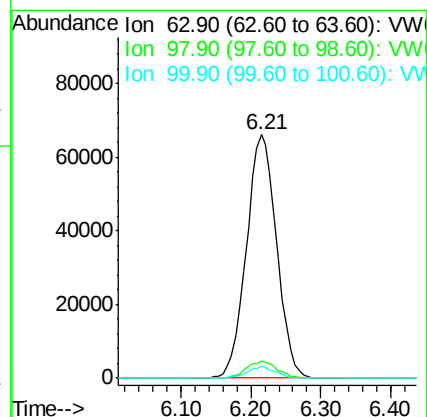
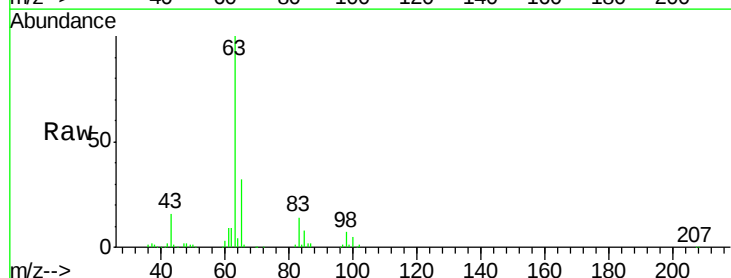
Tgt Ion: 63 Resp: 197446

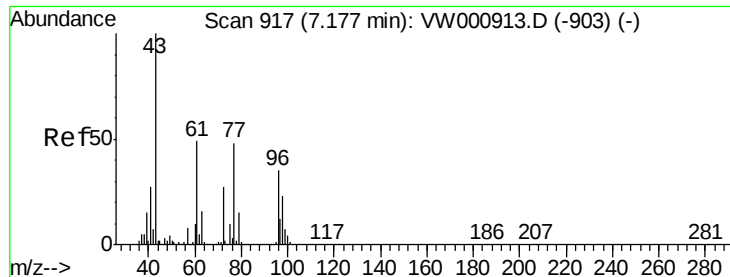
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 245.35 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 288275

Ion Ratio Lower Upper

43 100

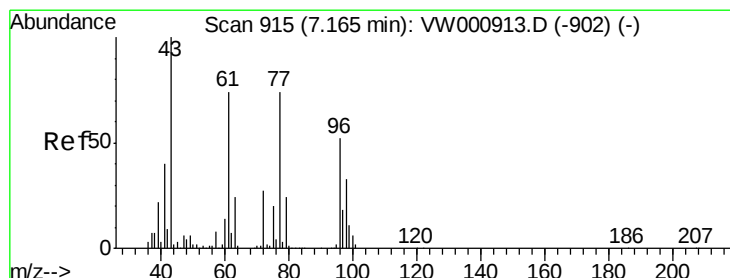
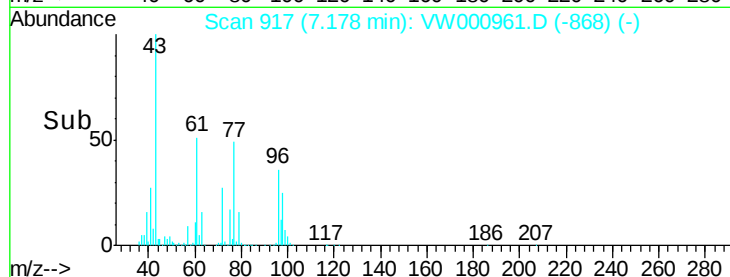
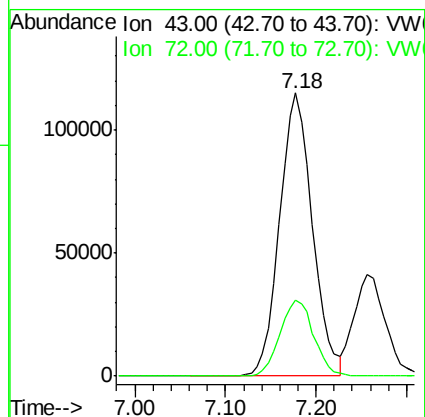
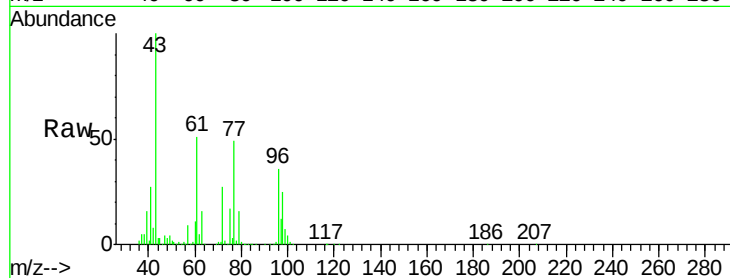
72 26.9 21.5 32.3

Manual Integrations

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1/25/2018 1:34:00 PM



#26

2,2-Dichloropropane

Concen: 45.53 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000961.D

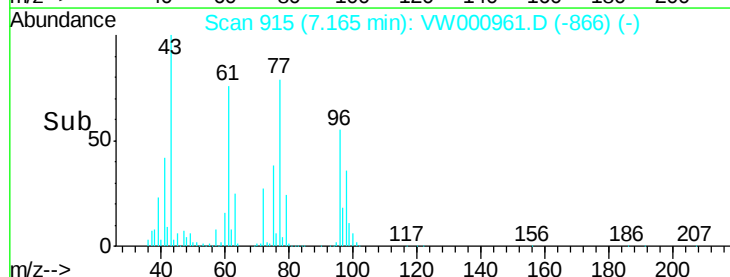
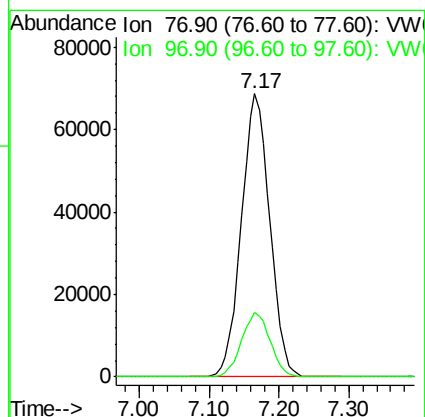
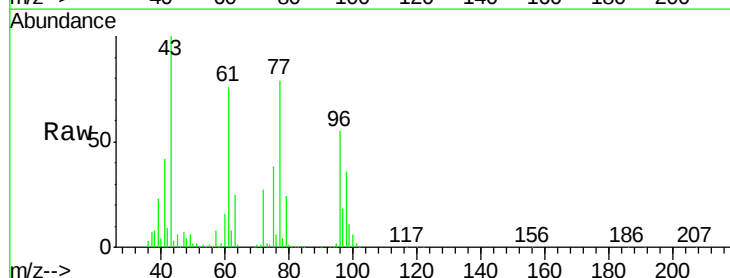
Acq: 24 Jan 2018 21:07

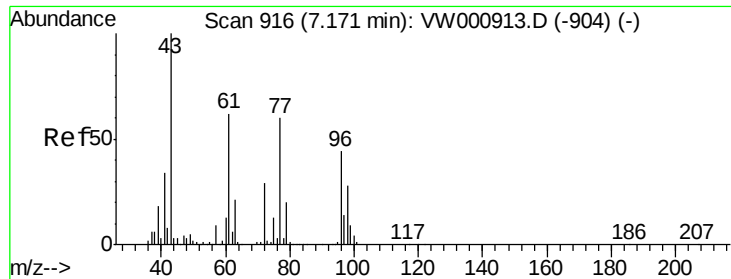
Tgt Ion: 77 Resp: 193246

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

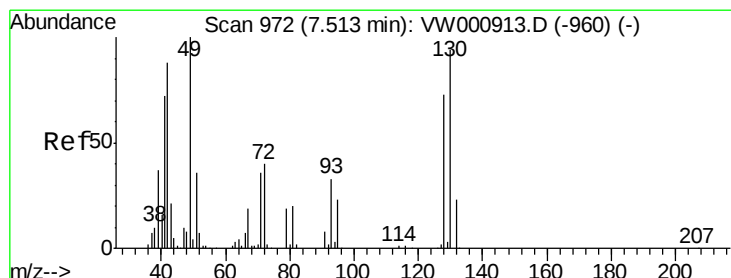
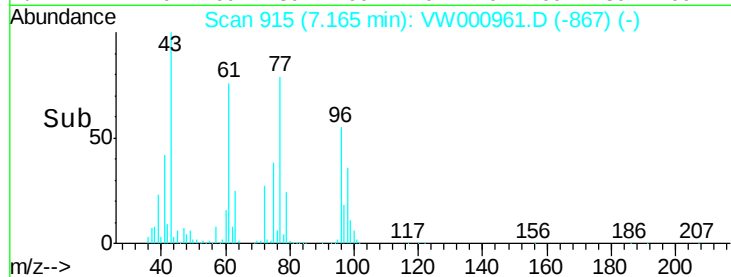
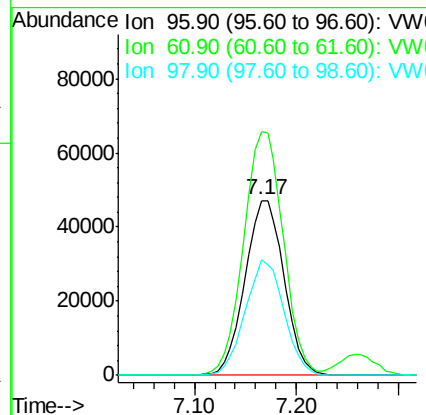
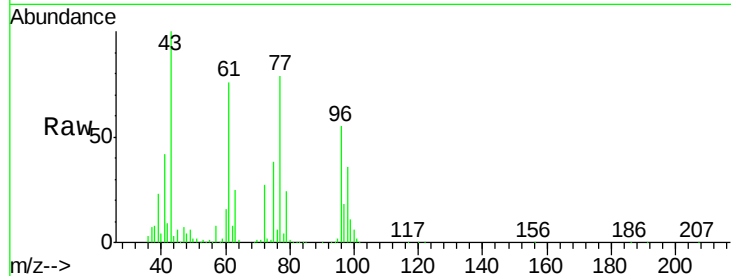
cis-1,2-Dichloroethene
 Concen: 46.59 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	279.8
98	65.5	0.0	127.6

Manual Integrations
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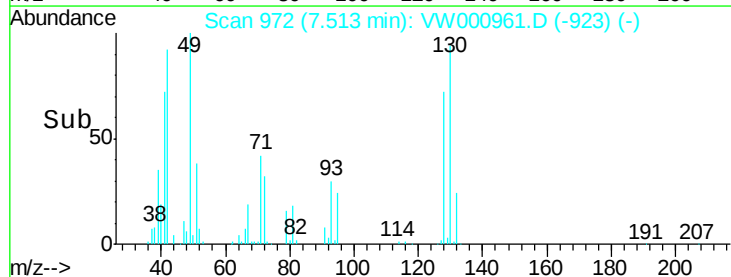
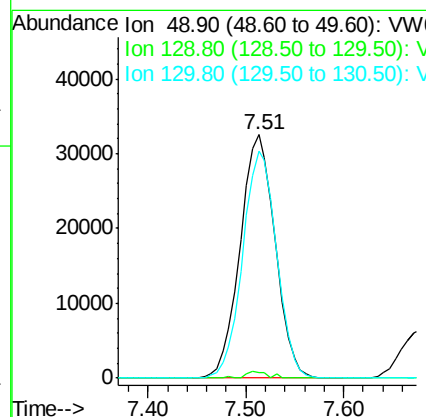
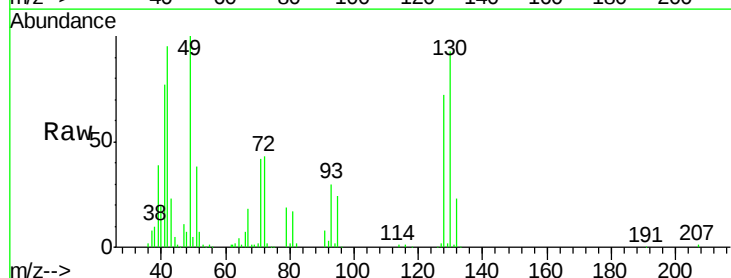
MMDadoda
 1/25/2018 1:34:00 PM

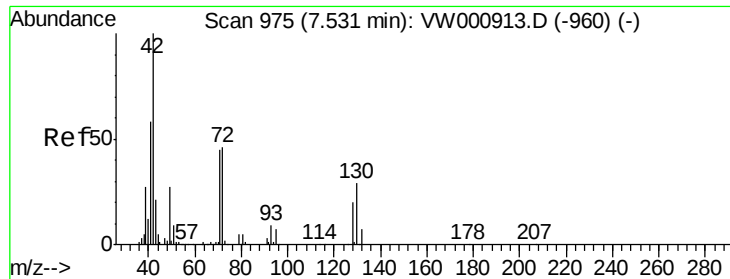


#28

Bromochloromethane
 Concen: 45.94 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	90.2	73.8	110.6





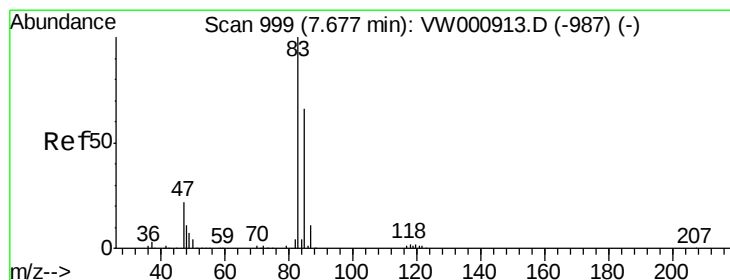
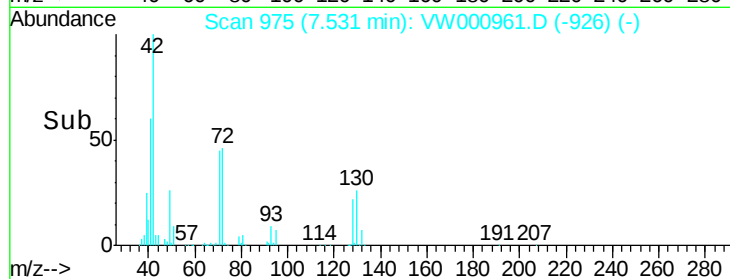
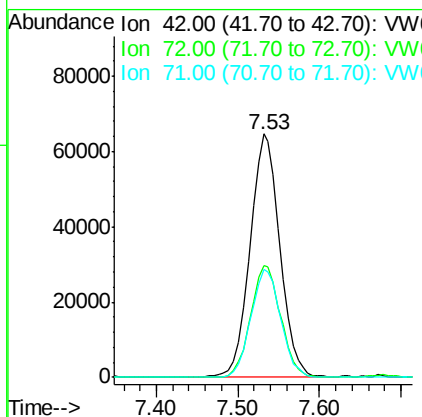
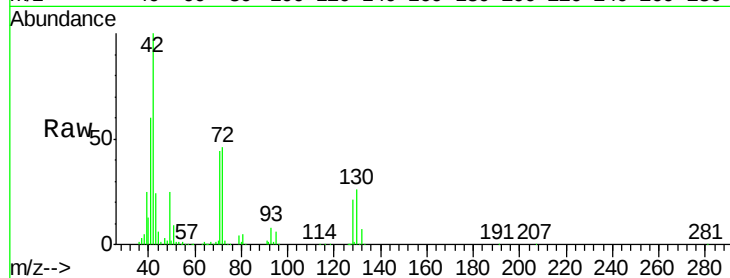
#29
Tetrahydrofuran
Concen: 255.55 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.1	55.7
71	44.4	34.9	52.3

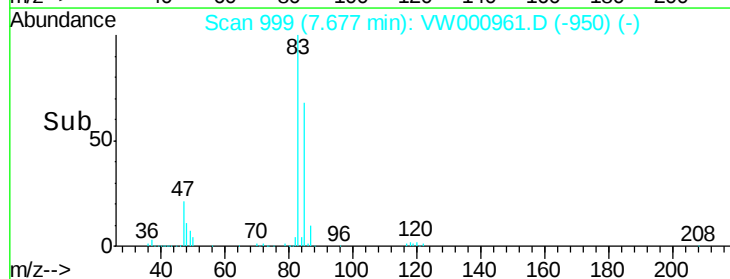
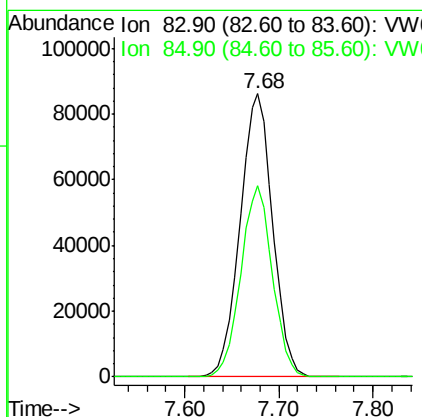
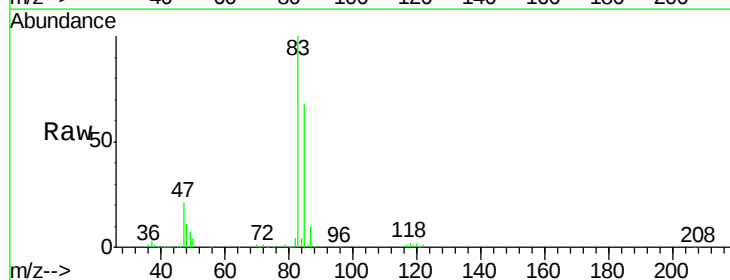
Manual Integrations
APPROVED

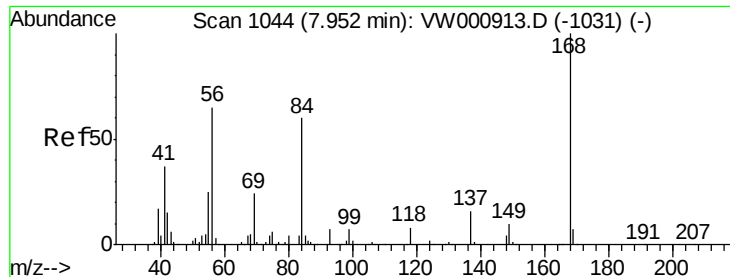
MMDadoda
1/25/2018 1:34:00 PM



#30
Chloroform
Concen: 45.95 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.5	78.7





#31

Cyclohexane

Concen: 46.43 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

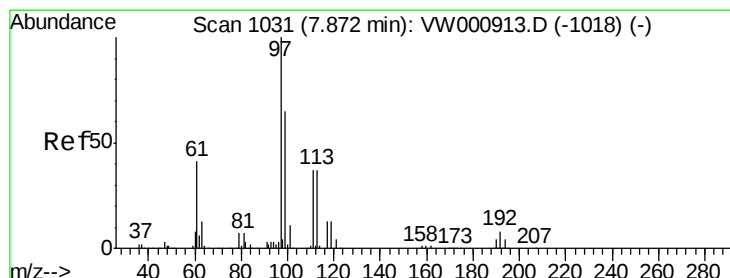
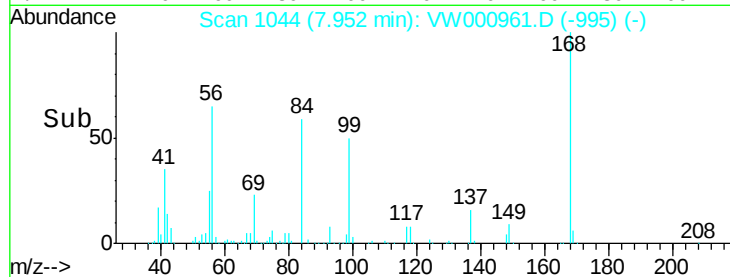
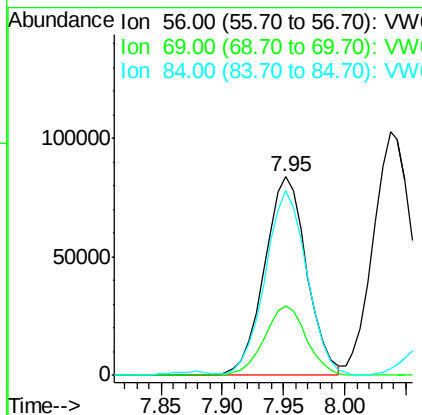
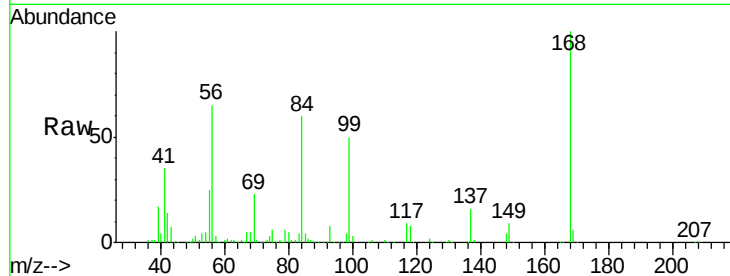
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	200954
Ion Ratio	Lower	Upper	
56	100		
69	34.9	29.2	43.8
84	91.6	73.6	110.4

Manual Integrations
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1/25/2018 1:34:00 PM



#32

1,1,1-Trichloroethane

Concen: 47.03 ug/l

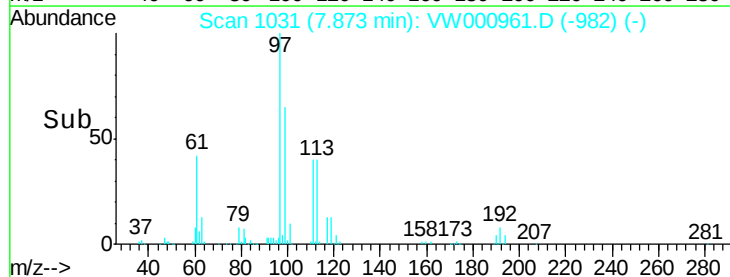
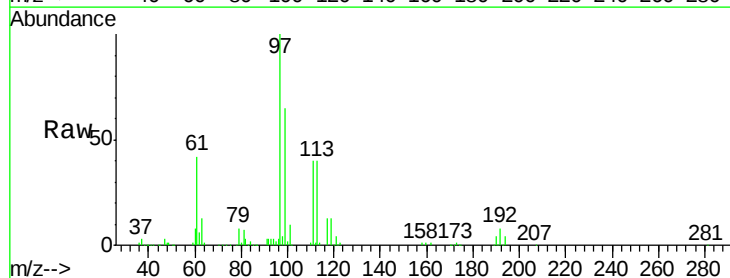
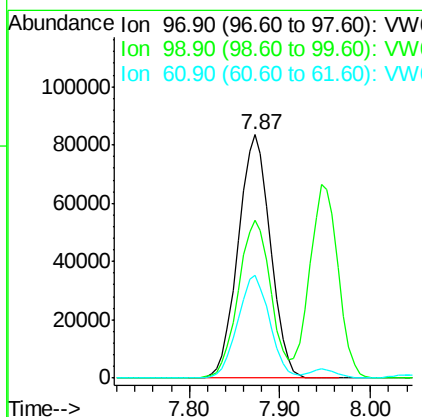
RT: 7.87 min Scan# 1031

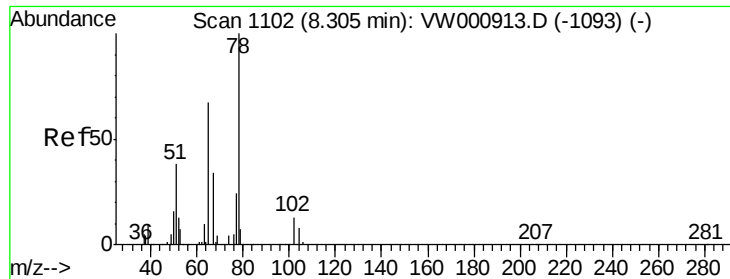
Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion	97	Resp	205532
Ion Ratio	Lower	Upper	
97	100		
99	65.5	52.6	78.8
61	42.1	32.9	49.3





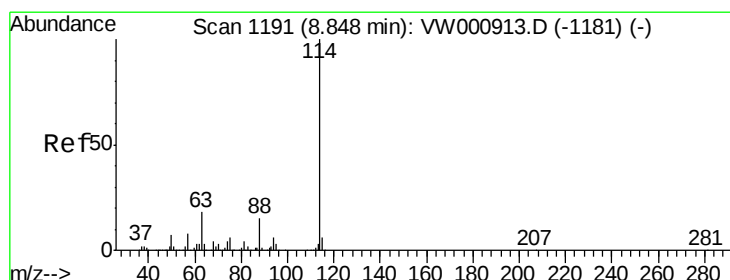
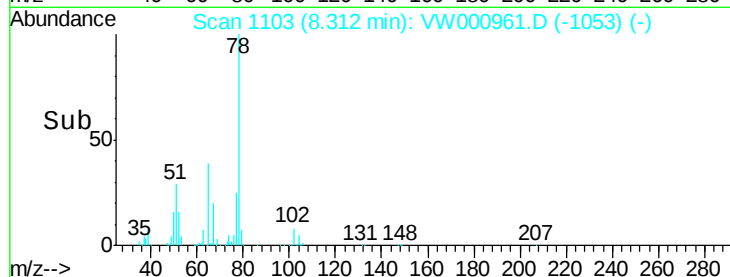
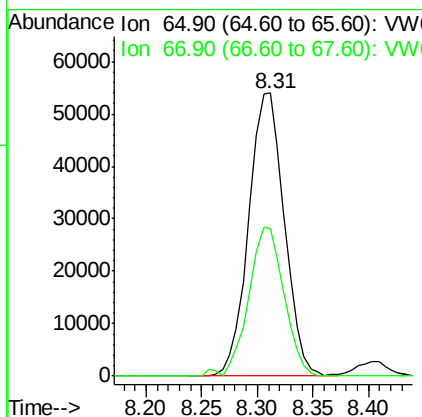
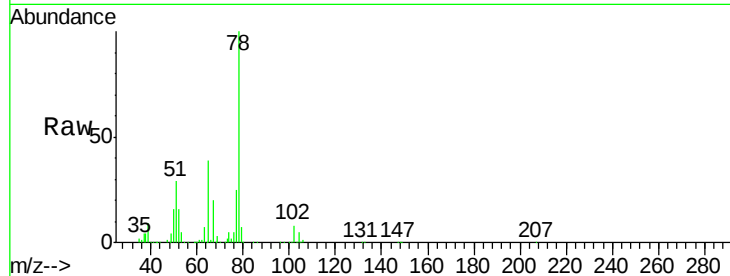
#33
 1,2-Dichloroethane-d4
 Concen: 45.43 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120668		
67	52.4	0.0	105.8	

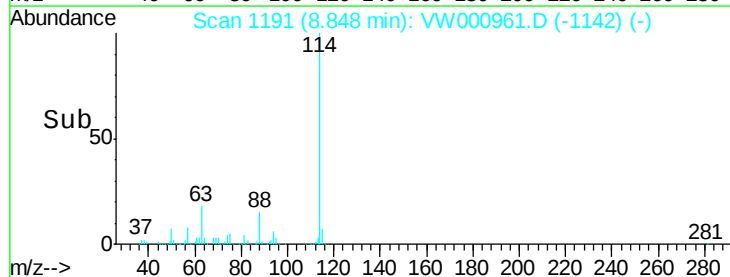
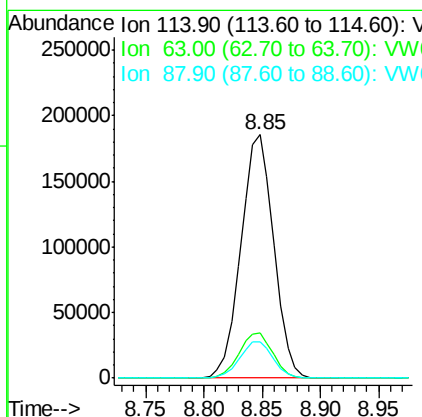
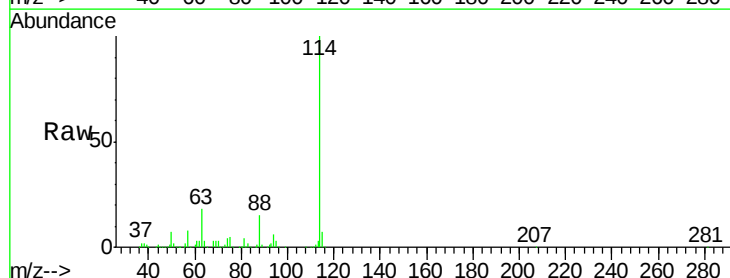
Manual Integrations
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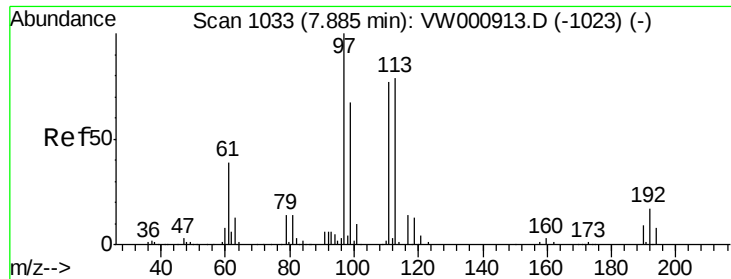
MMDadoda
 1/25/2018 1:34:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365168		
63	18.5	0.0	36.8	
88	15.1	0.0	29.8	





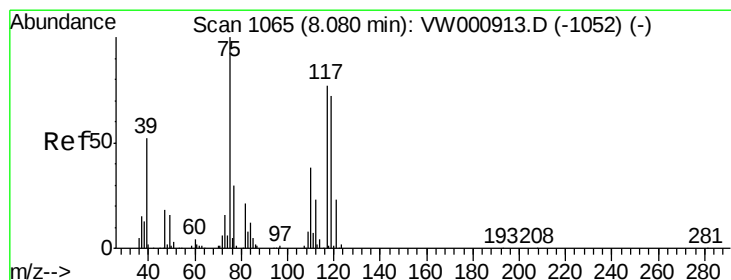
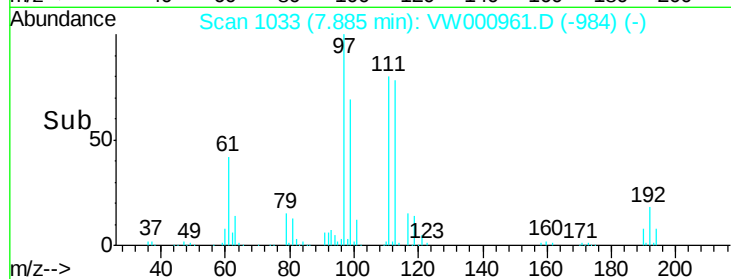
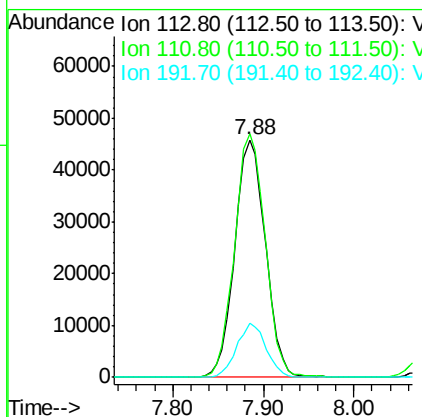
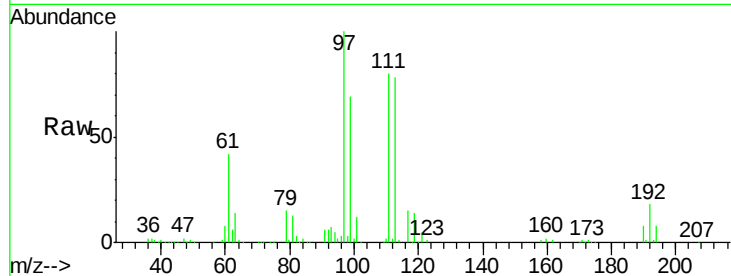
#35
 Dibromofluoromethane
 Concen: 48.11 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107634		
111	102.4	80.4	120.6	
192	21.7	17.0	25.4	

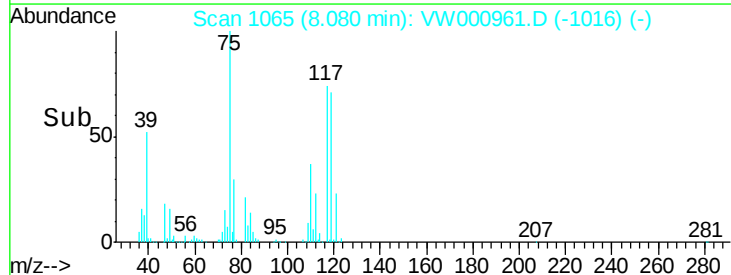
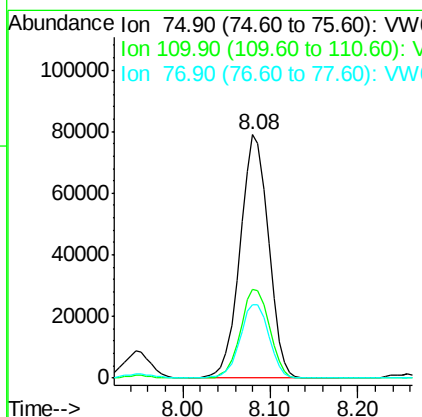
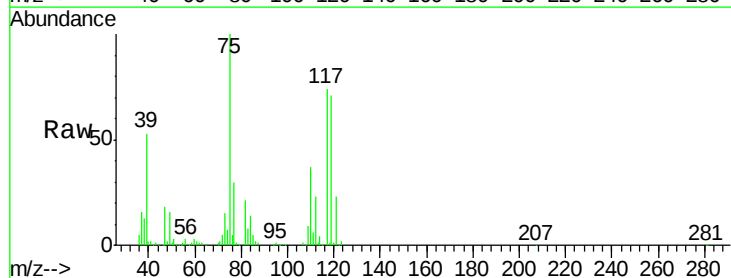
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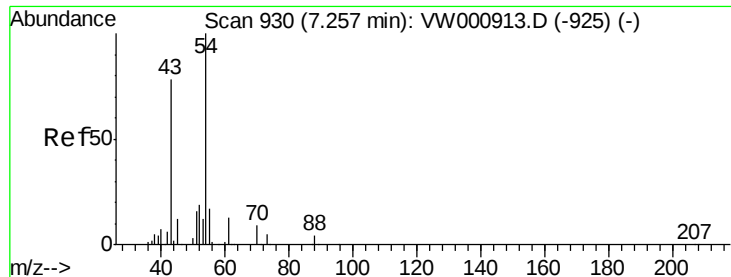
MMDadoda
 1/25/2018 1:34:00 PM



#36
 1,1-Dichloropropene
 Concen: 51.27 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178619		
110	37.1	18.6	56.0	
77	30.9	24.6	36.8	





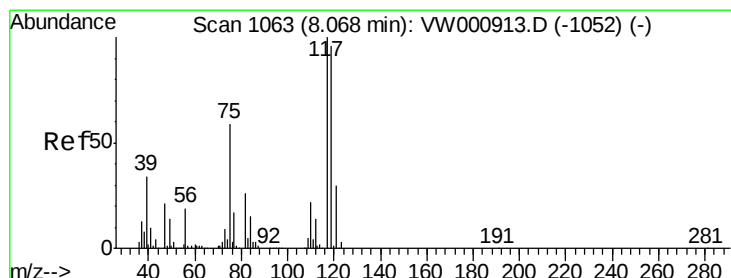
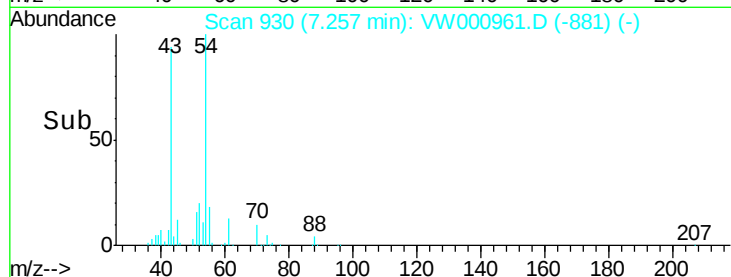
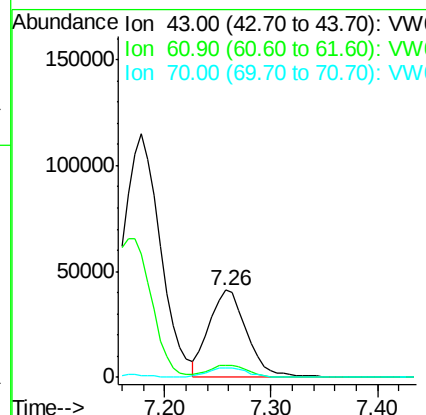
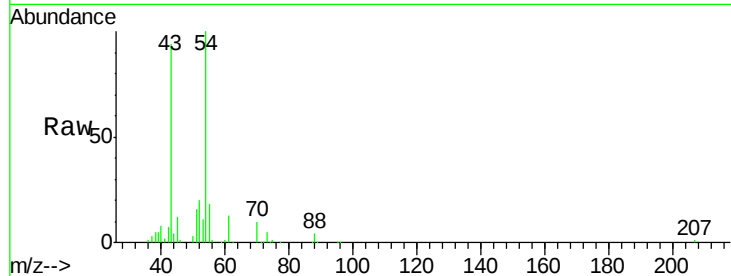
#37
Ethyl Acetate
Concen: 51.01 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.1	18.1
70	11.4	9.1	13.7

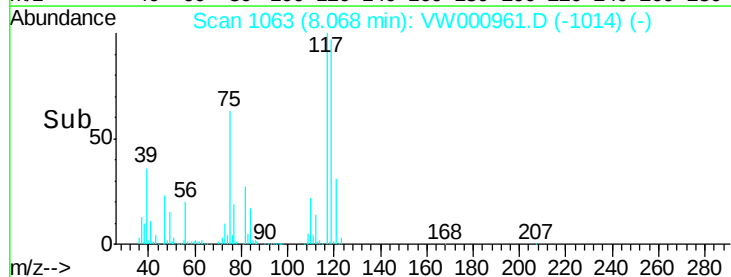
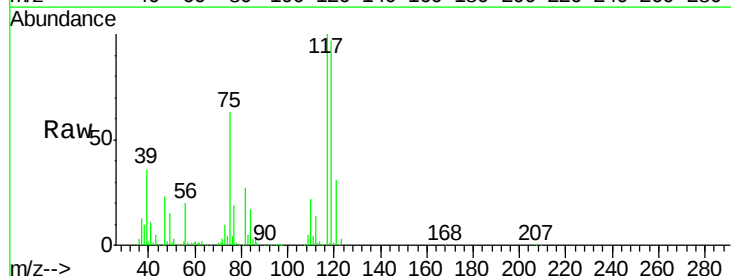
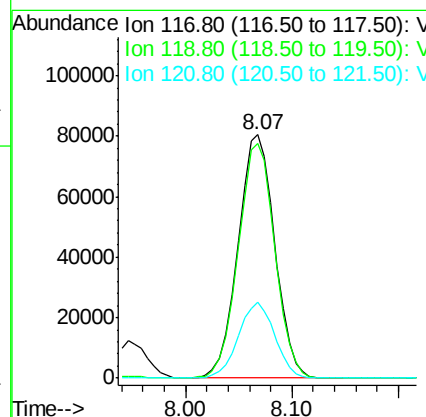
Manual Integrations
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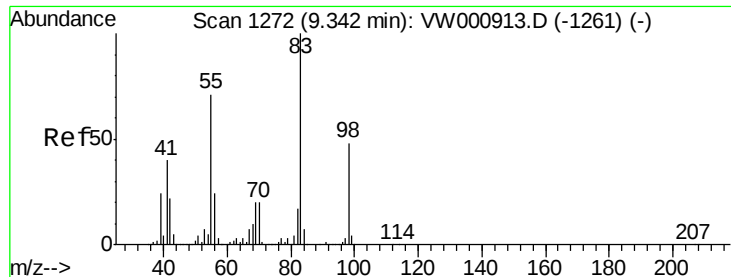
MMDadoda
1/25/2018 1:34:00 PM



#38
Carbon Tetrachloride
Concen: 50.73 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.5	114.7
121	31.0	24.3	36.5





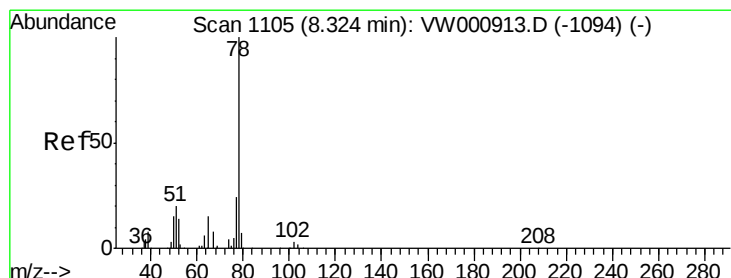
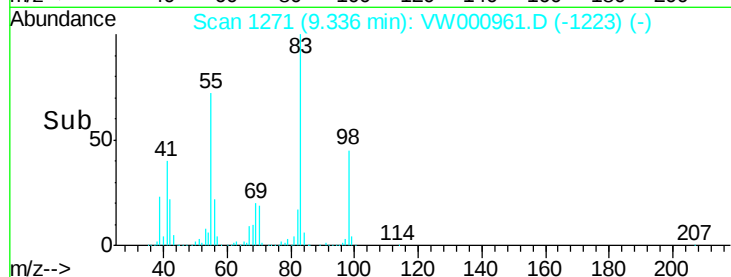
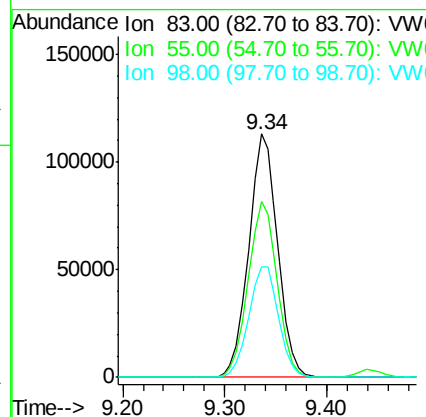
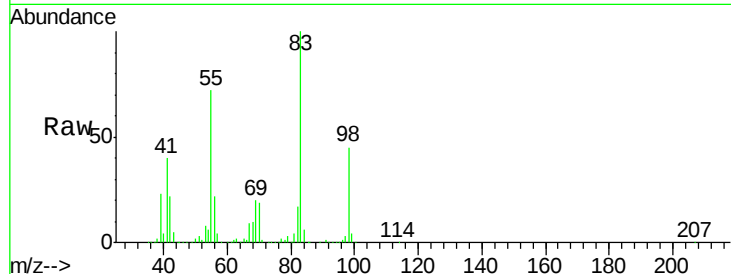
#39
Methvlcvclohexane
Concen: 52.80 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	221598		
55	72.1		56.4	84.6
98	45.3		38.2	57.4

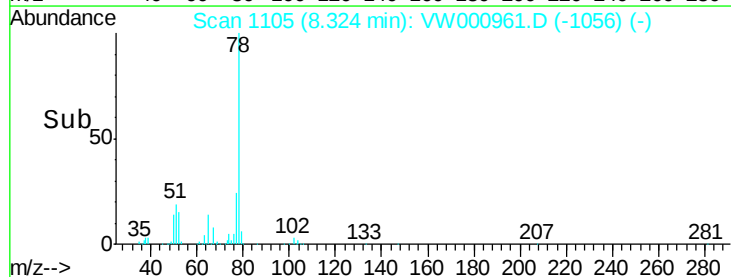
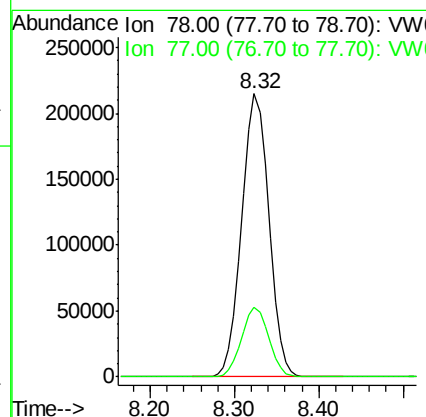
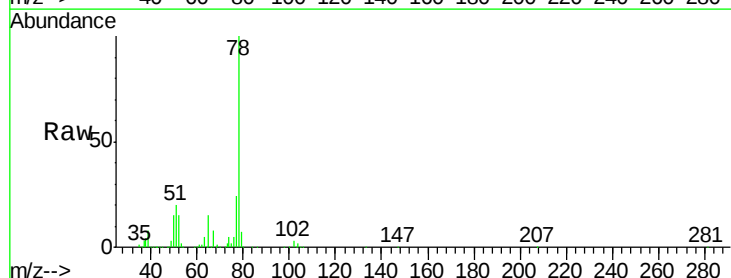
Manual Integrations
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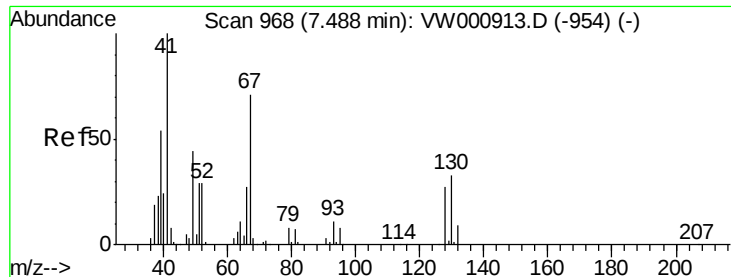
MMDadoda
1/25/2018 1:34:00 PM



#40
Benzene
Concen: 49.31 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	467179		
77	24.4		19.0	28.6





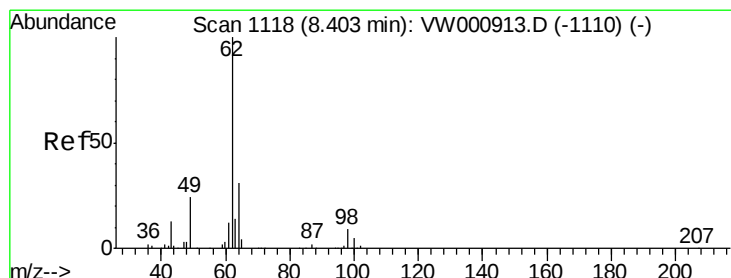
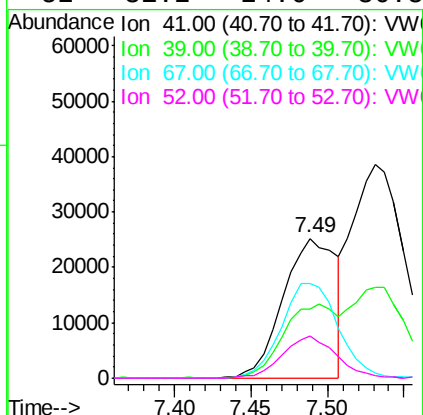
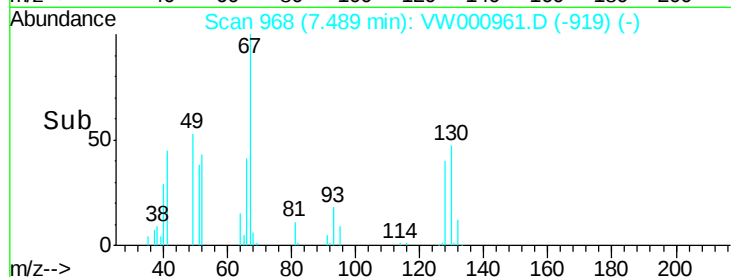
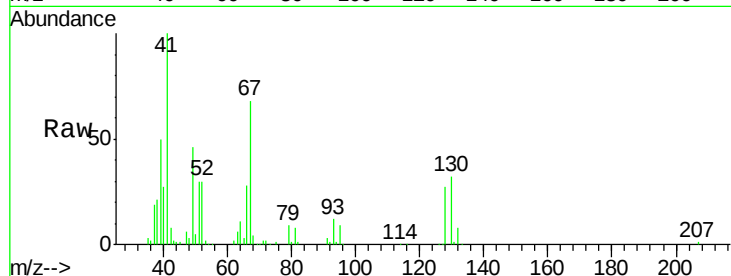
#41
Methacrylonitrile
Concen: 55.17 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	43.4	65.0	
67	72.6	59.0	88.4	
52	31.2	24.6	36.8	

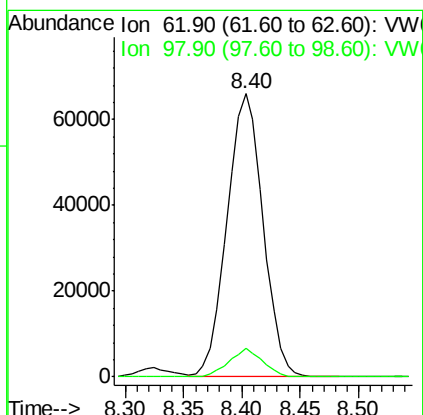
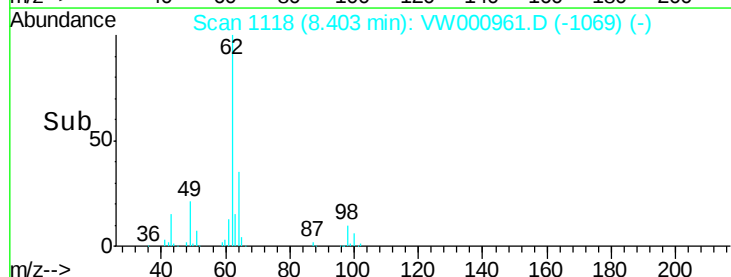
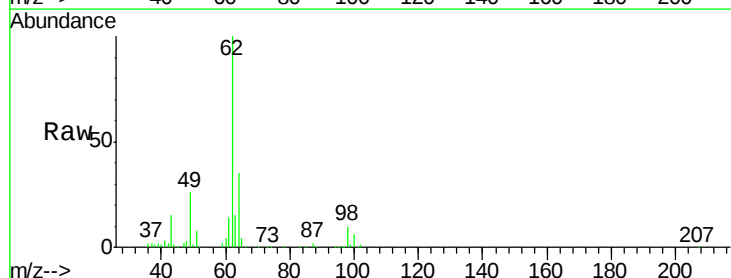
Manual Integrations
APPROVED

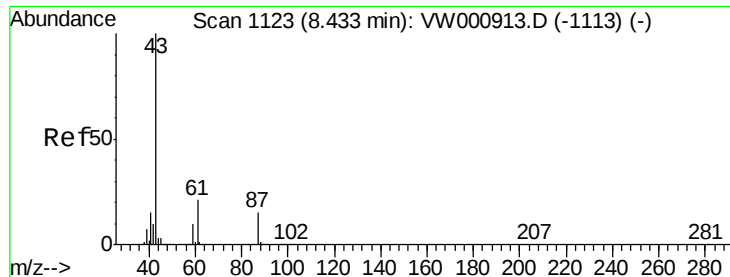
MMDadoda
1/25/2018 1:34:00 PM



#42
1,2-Dichloroethane
Concen: 48.71 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.0	





#43

Isopropyl Acetate

Concen: 50.97 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

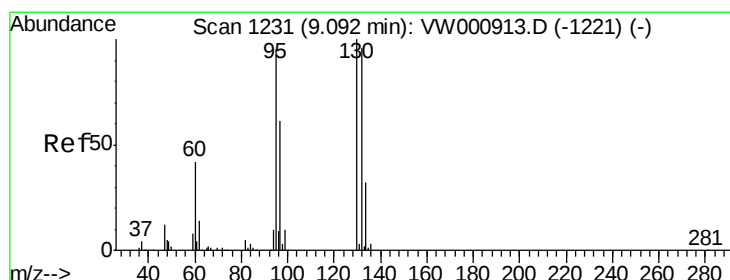
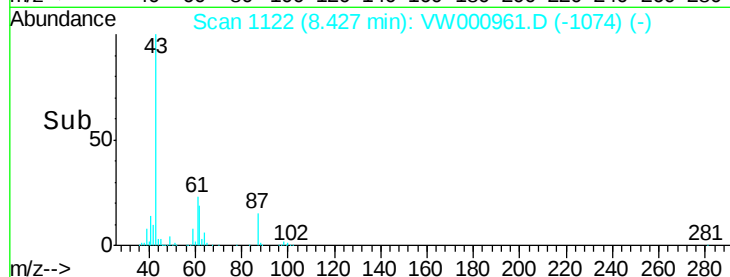
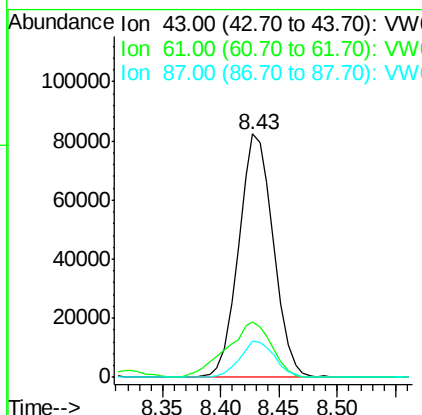
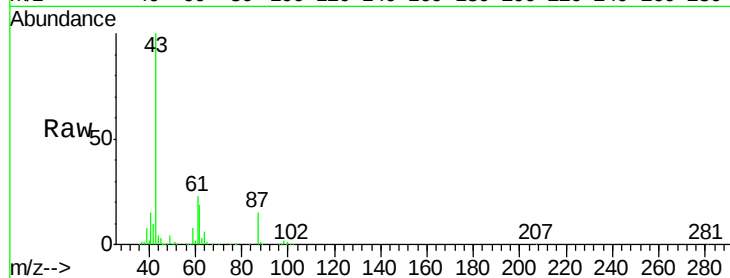
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	169925
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.6	35.4
87	15.0	11.7	17.5

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MM Dadoda
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#44

Trichloroethene

Concen: 50.05 ug/l

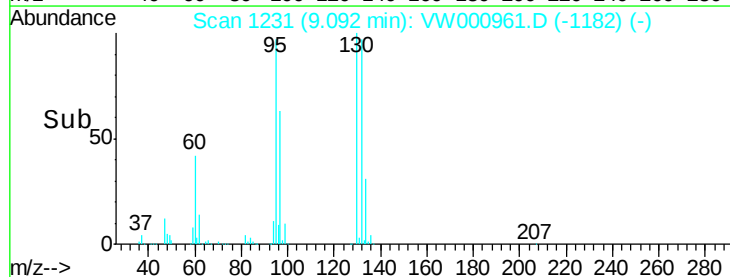
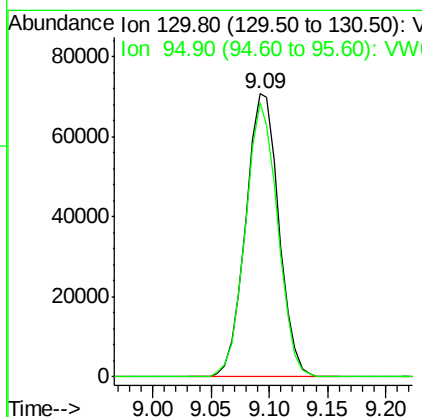
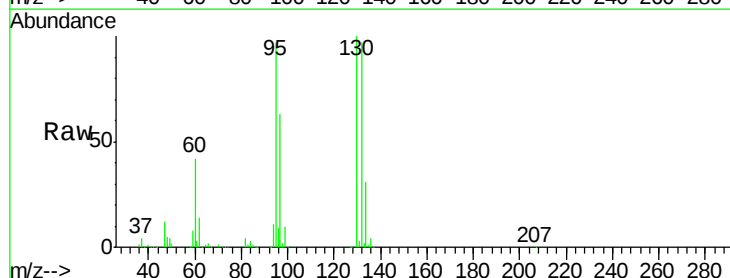
RT: 9.09 min Scan# 1231

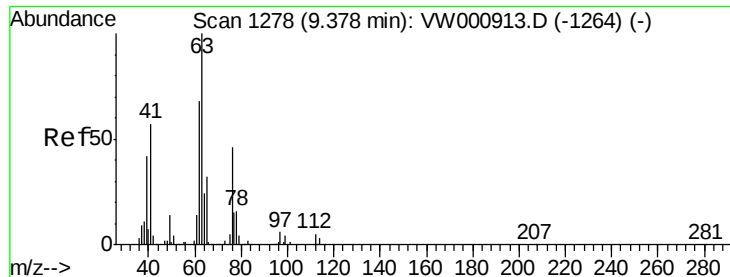
Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	130	Resp:	140882
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	190.4





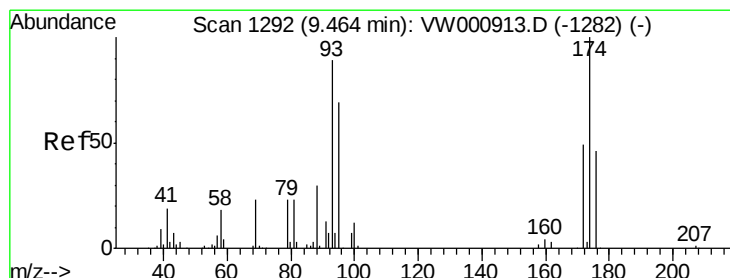
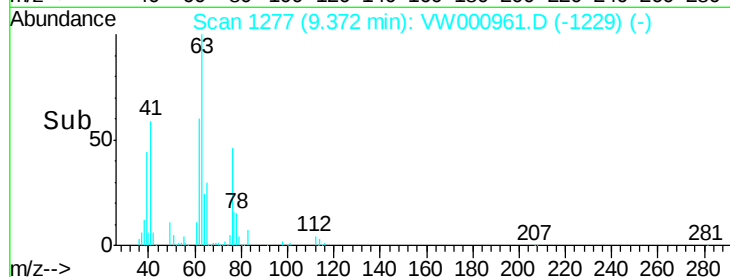
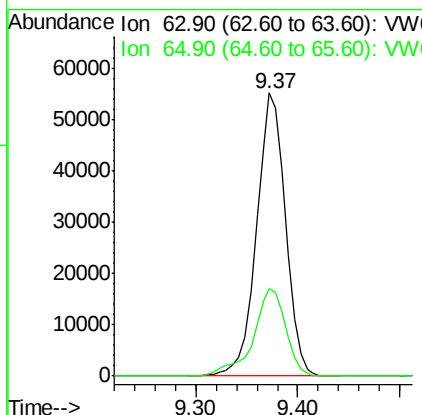
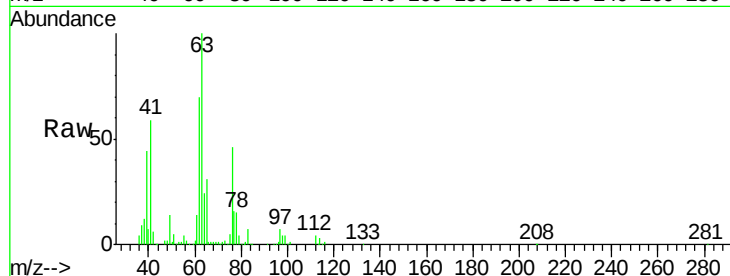
#45
 1,2-Dichloropropane
 Concen: 49.42 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 109230
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8

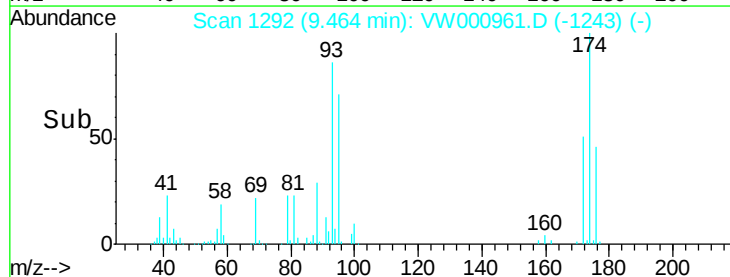
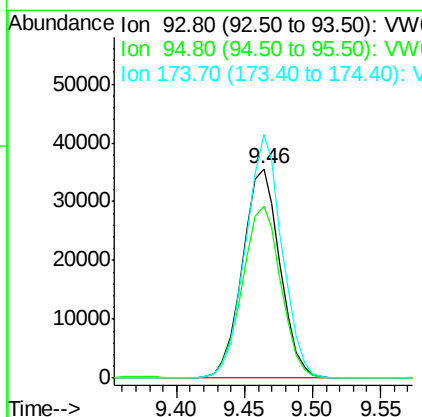
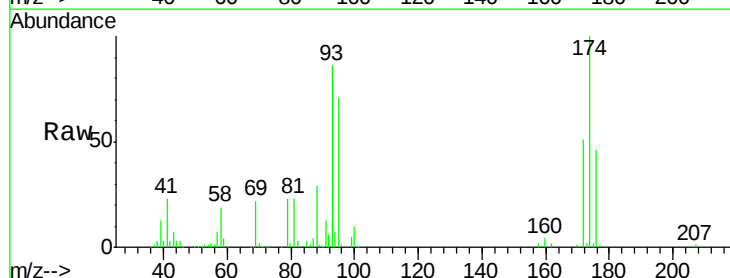
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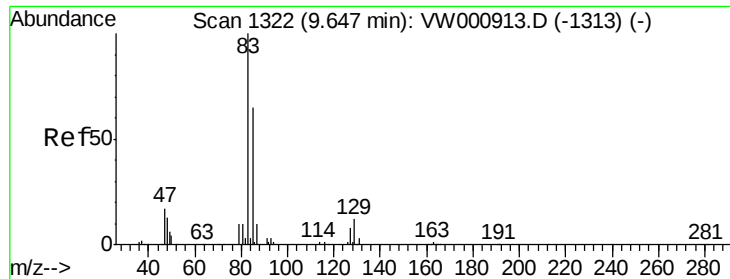
MMDadoda
 1/25/2018 1:34:00 PM



#46
 Dibromomethane
 Concen: 48.47 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 93 Resp: 68449
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.8 98.6
 174 113.4 89.0 133.6





#47

Bromodichloromethane

Concen: 48.88 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

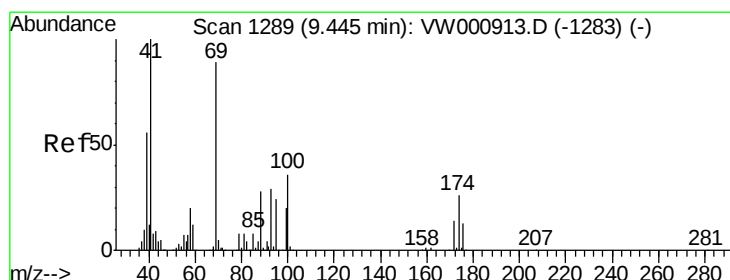
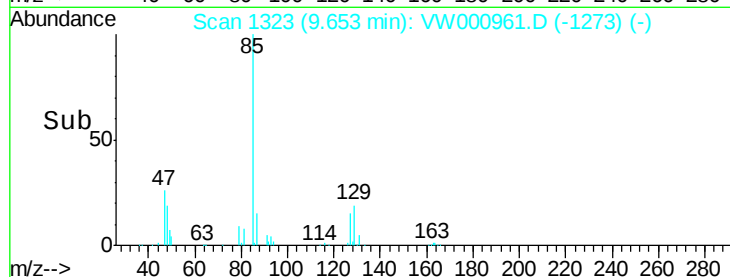
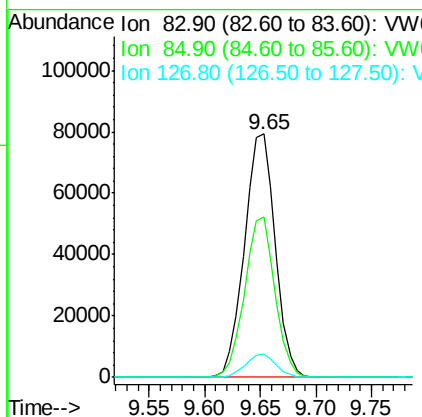
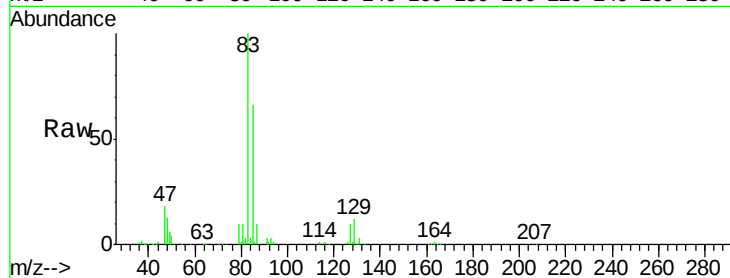
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	152657
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.0	78.0
127	9.9	6.8	10.2

Manual Integrations
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1/25/2018 1:34:00 PM



#48

Methyl methacrylate

Concen: 52.16 ug/l

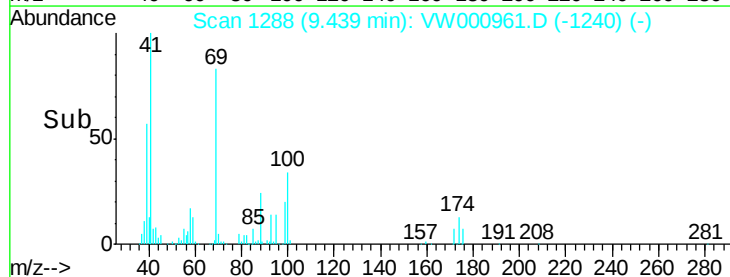
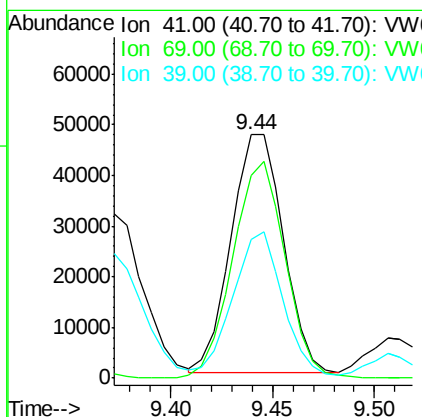
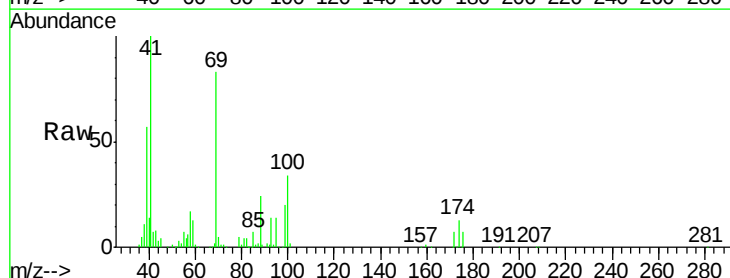
RT: 9.44 min Scan# 1288

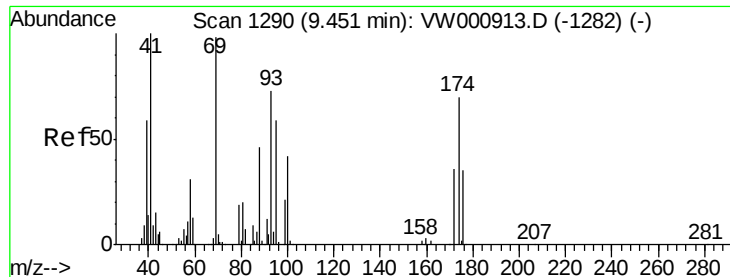
Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	41	Resp:	83525
Ion	Ratio	Lower	Upper
41	100		
69	91.9	72.9	109.3
39	56.7	48.4	72.6





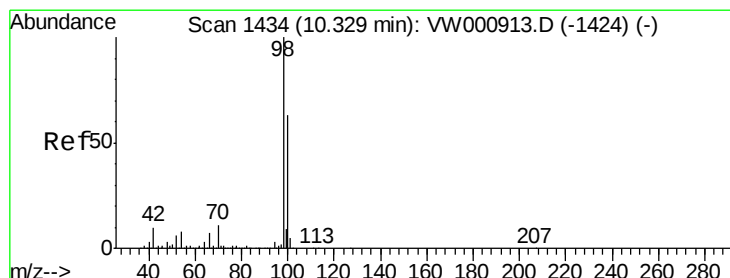
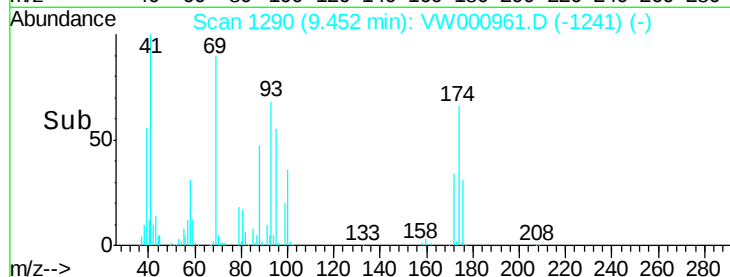
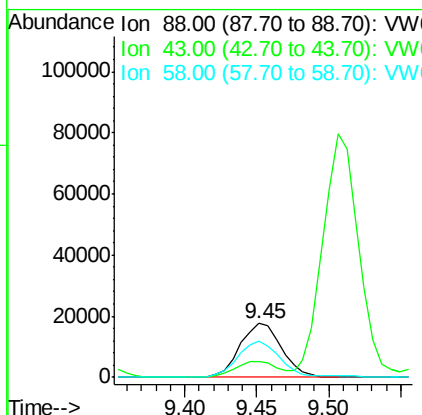
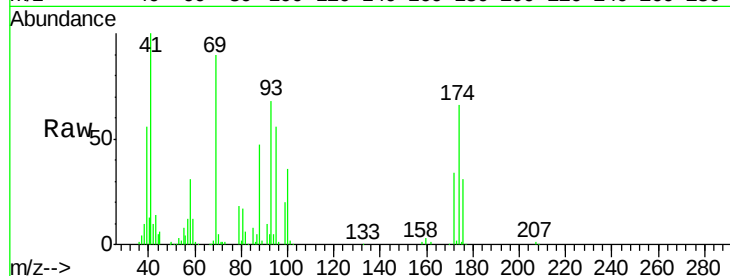
#49
1,4-Dioxane
Concen: 1143.34 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	35290
Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.5	36.7
58	67.2	54.7	82.1

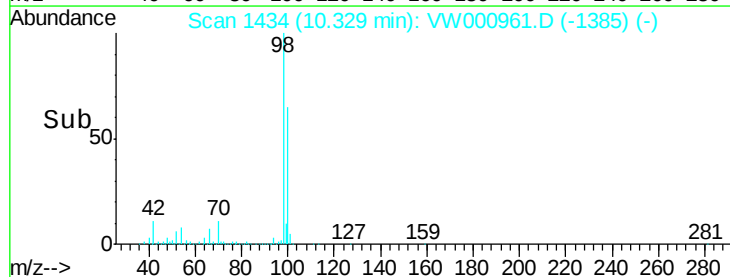
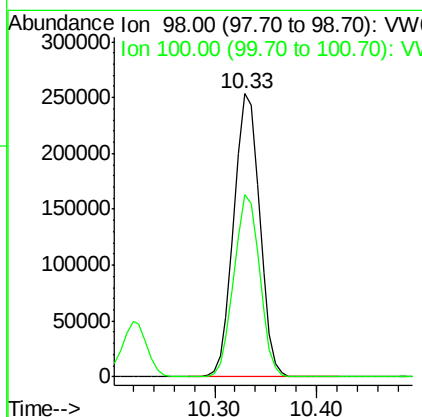
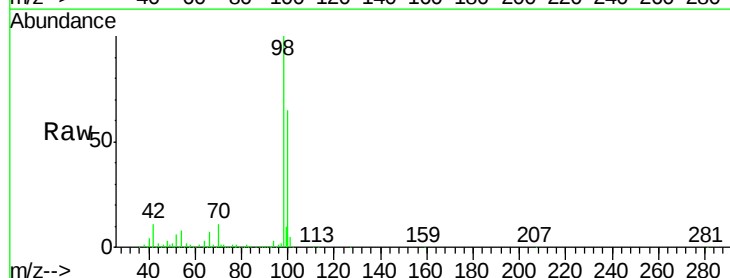
Manual Integrations
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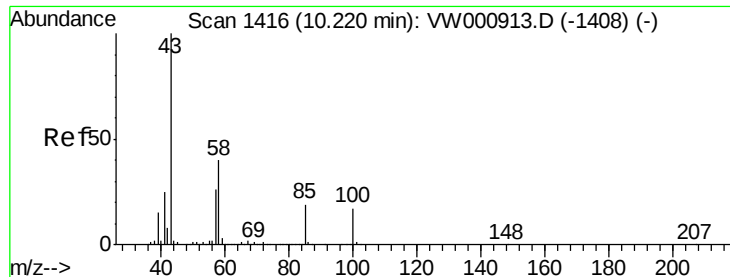
MMDadoda
1/25/2018 1:34:00 PM



#50
Toluene-d8
Concen: 50.50 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	98	Resp	445369
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.8	76.2





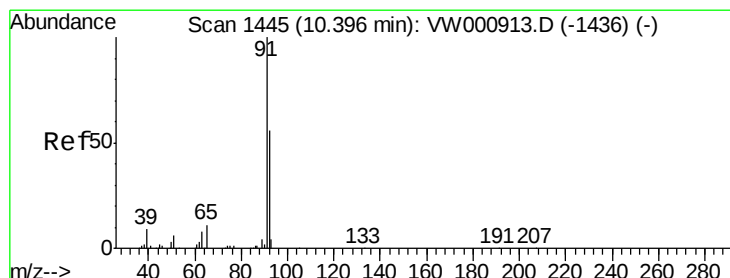
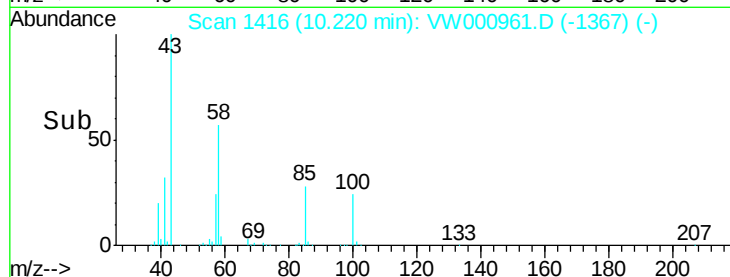
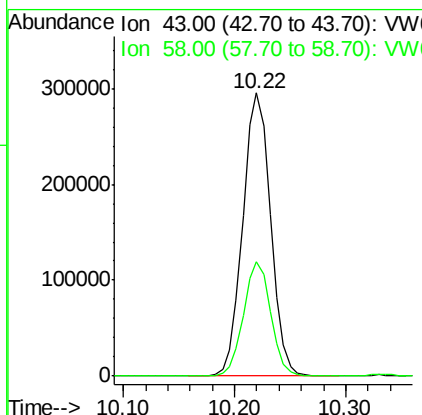
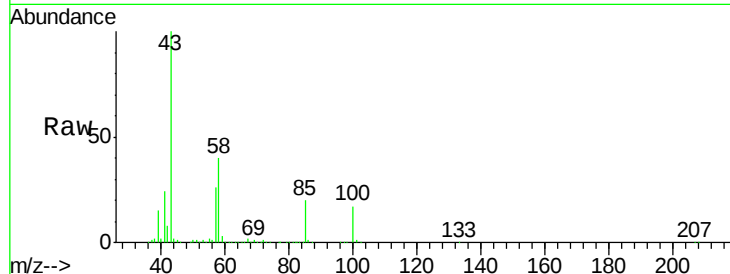
#51
4-Methyl-2-Pentanone
Concen: 266.93 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	32.0	48.0

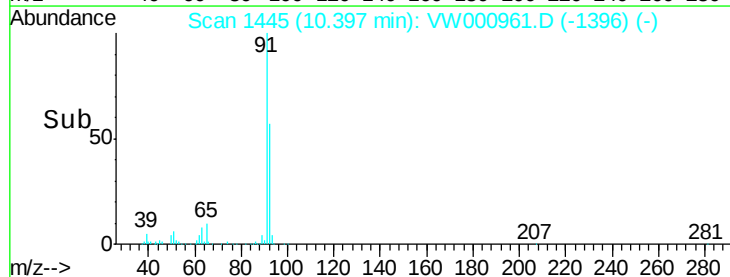
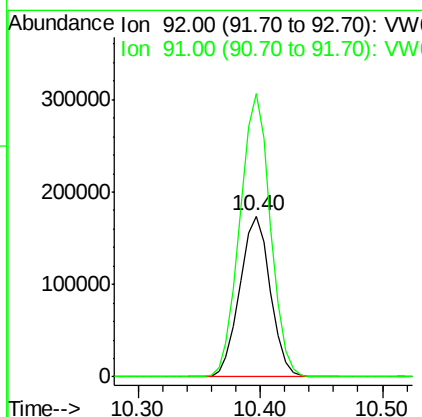
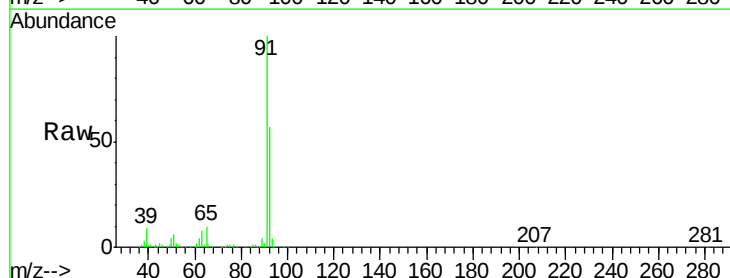
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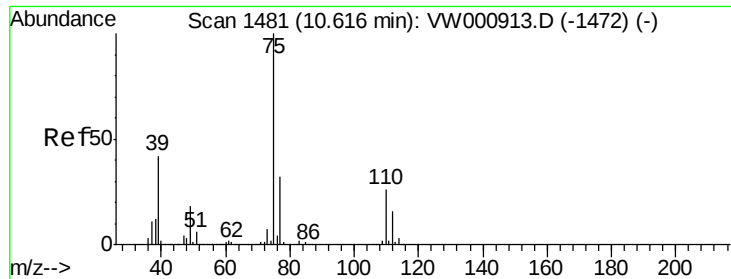
MMDadoda
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#52
Toluene
Concen: 50.37 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	140.7	211.1





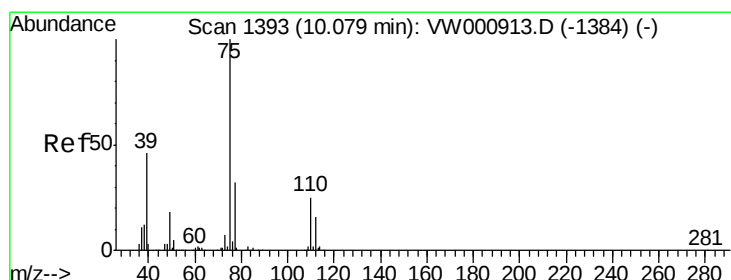
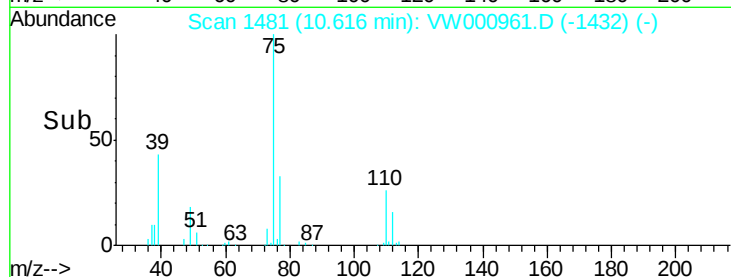
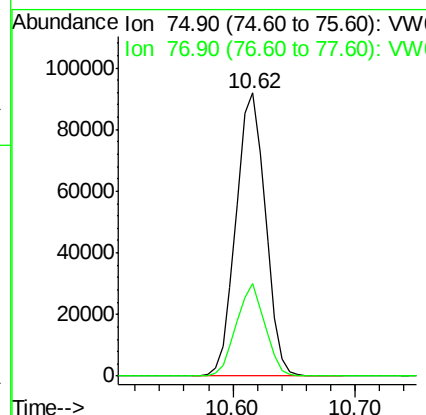
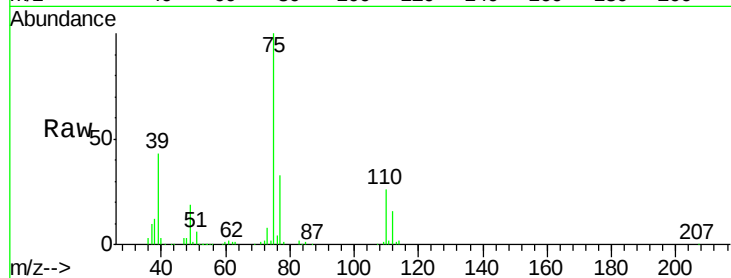
#53
t-1,3-Dichloropropene
Concen: 48.32 ug/l
RT: 10.62 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 152883
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5

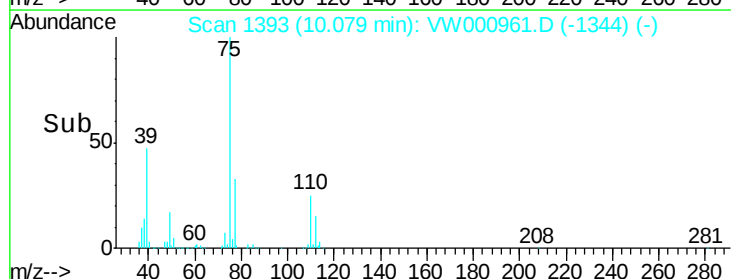
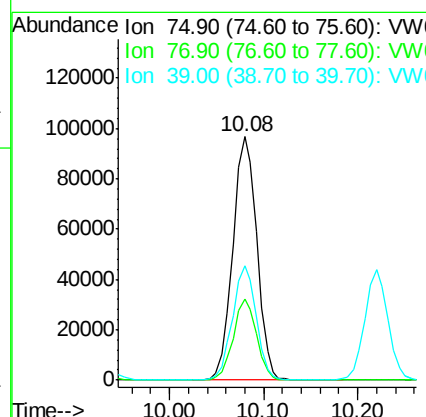
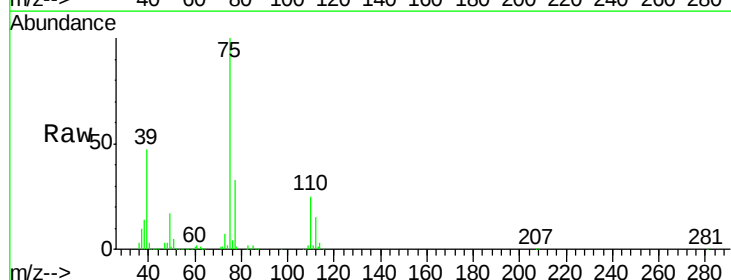
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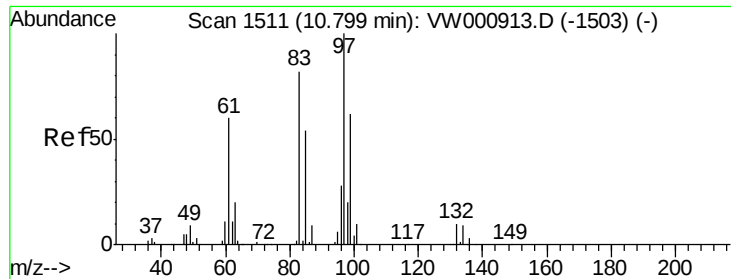
MMDadoda
1/25/2018 1:34:00 PM



#54
cis-1,3-Dichloropropene
Concen: 49.16 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 75 Resp: 171131
Ion Ratio Lower Upper
75 100
77 33.3 25.3 37.9
39 46.8 37.0 55.6





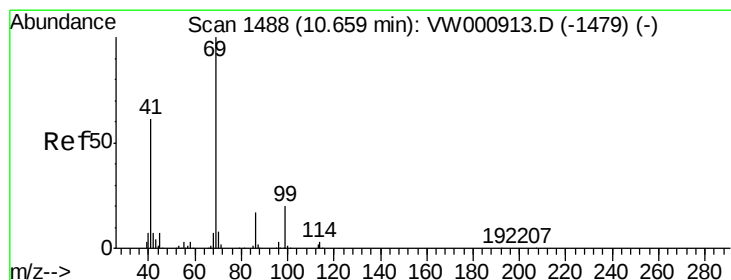
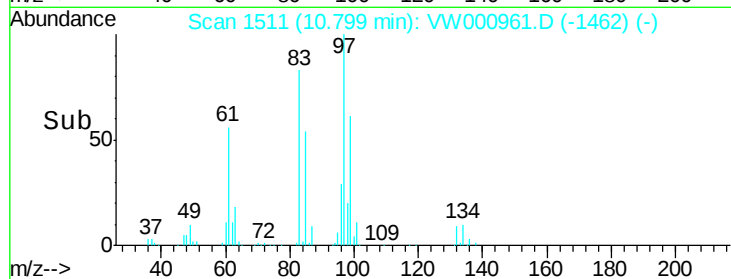
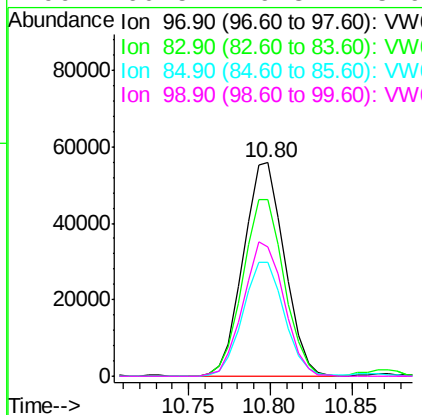
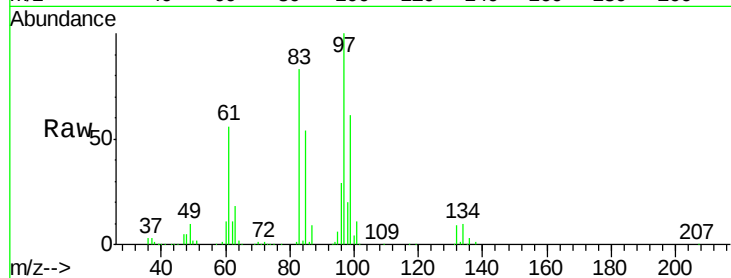
#55
 1,1,2-Trichloroethane
 Concen: 49.85 ug/l
 RT: 10.80 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98308
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.2	97.8
85	53.6	43.1	64.7
99	60.5	49.3	73.9

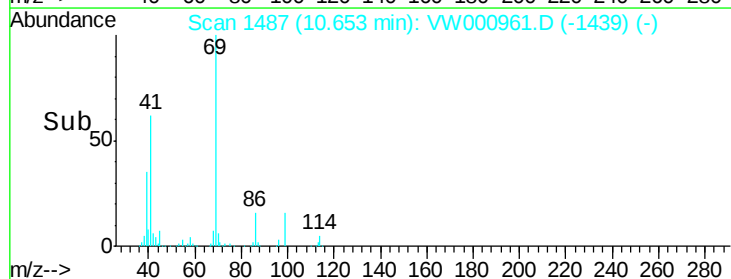
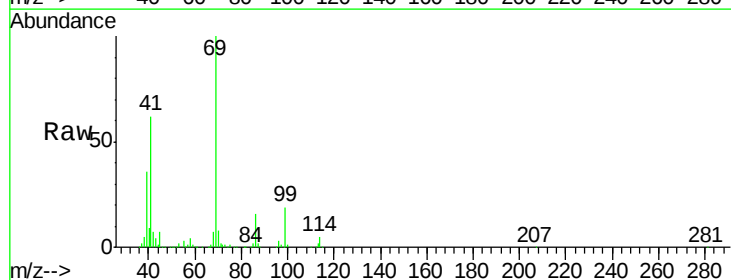
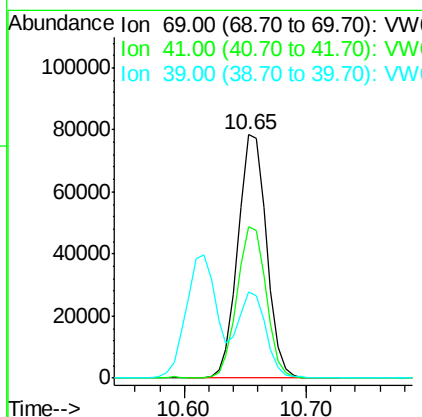
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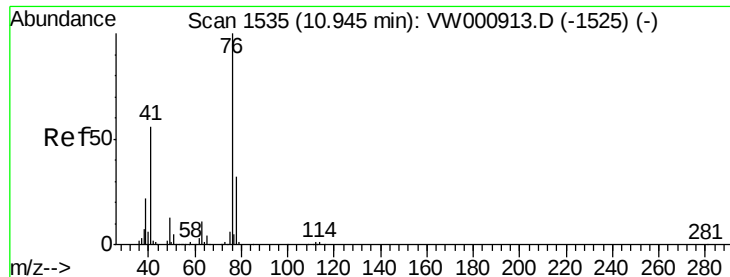
MMDadoda
 1/25/2018 1:34:00 PM



#56
 Ethyl methacrylate
 Concen: 48.24 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion:	69	Resp:	127308
Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.3	75.5
39	35.0	28.6	42.8





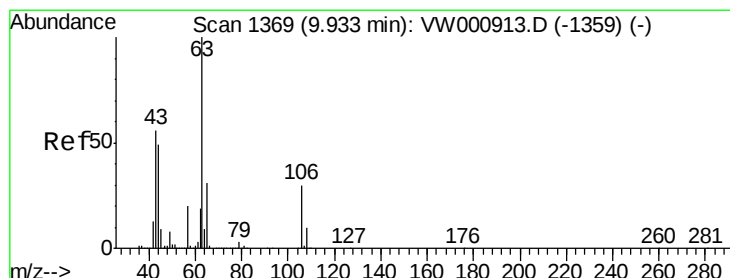
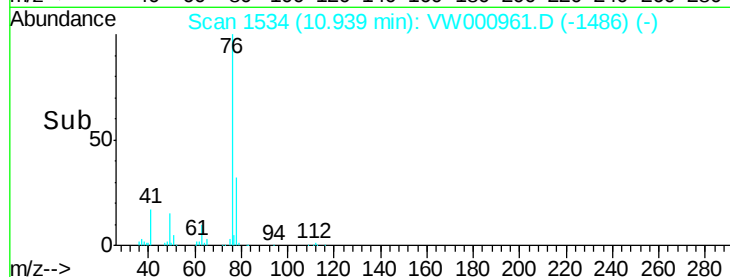
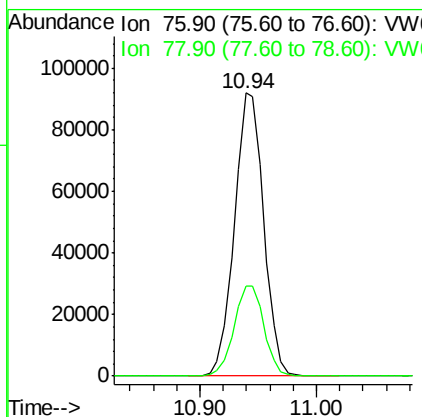
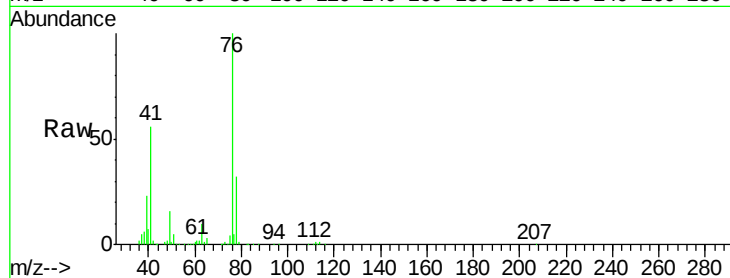
#57
 1,3-Dichloropropane
 Concen: 49.82 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 160432
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

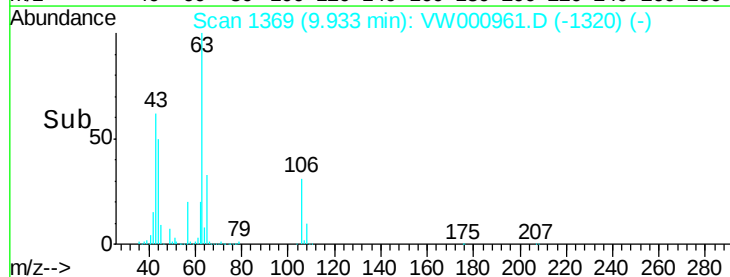
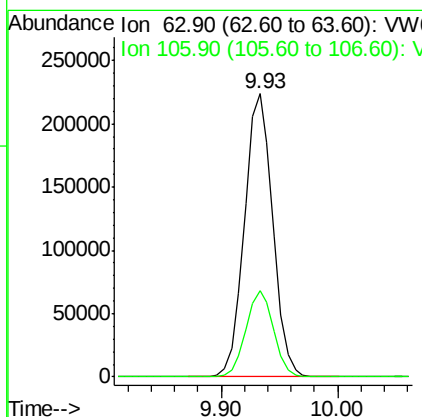
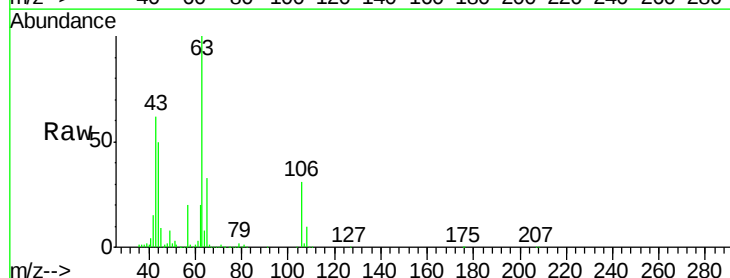
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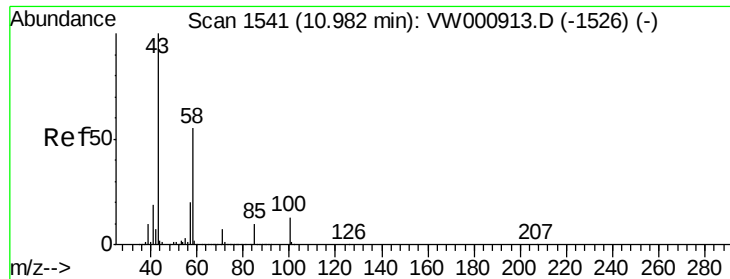
MMDadoda
 1/25/2018 1:34:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.67 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 63 Resp: 378418
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





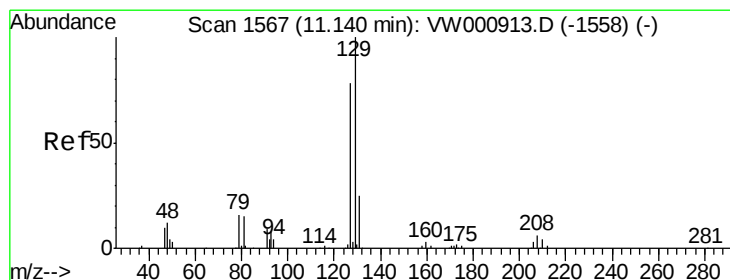
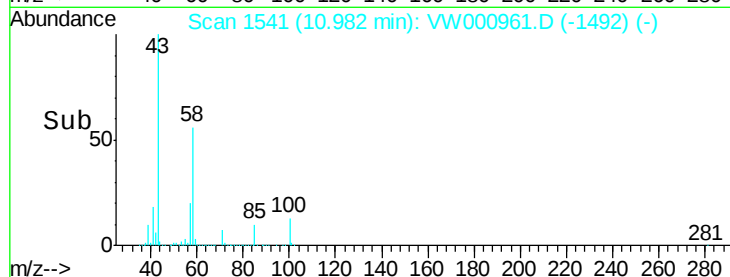
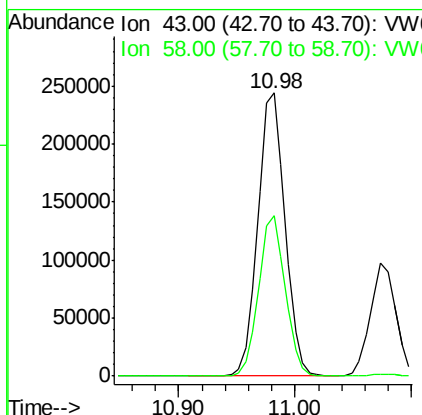
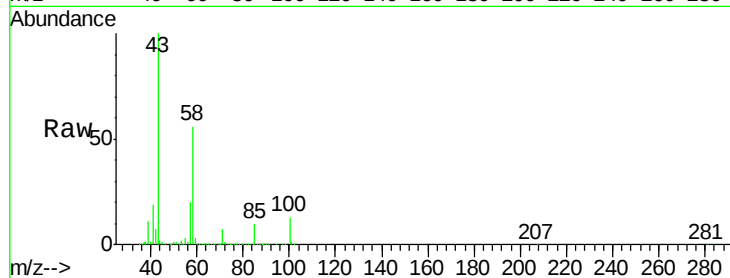
#59
2-Hexanone
Concen: 235.64 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 395912
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.2

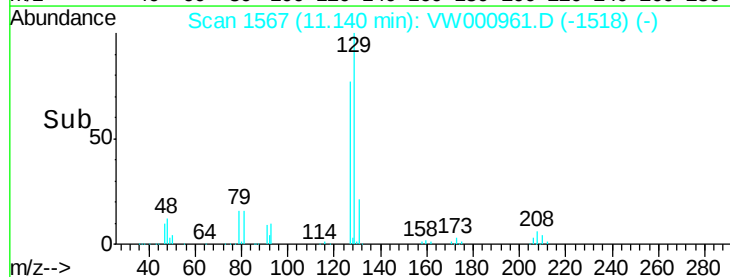
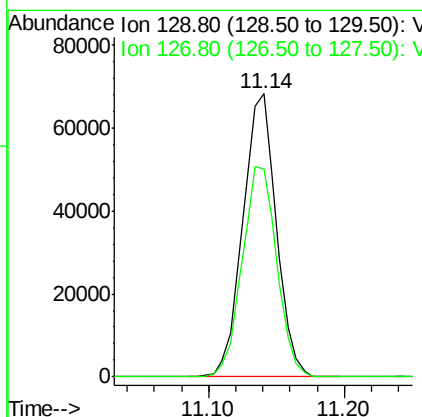
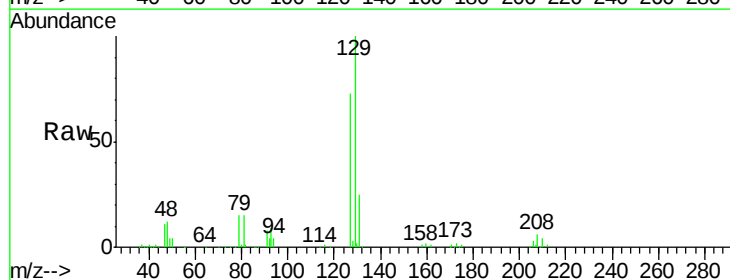
Manual Integrations
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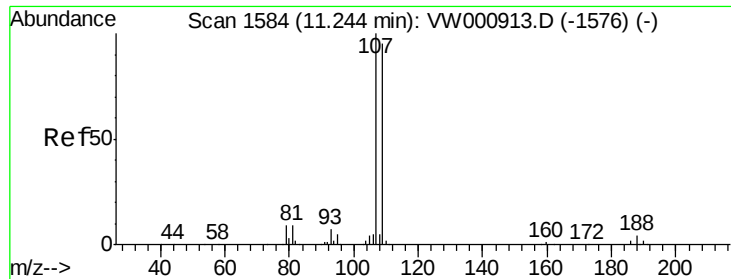
MMDadoda
1/25/2018 1:34:00 PM



#60
Dibromochloromethane
Concen: 49.21 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 129 Resp: 117206
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





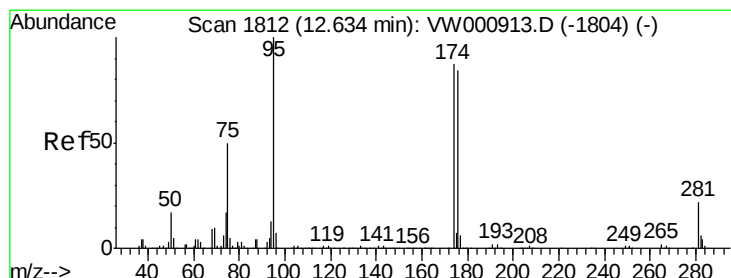
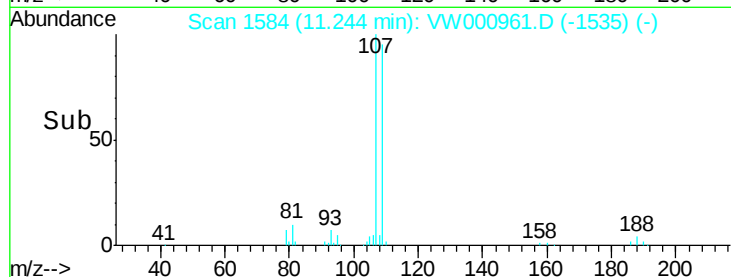
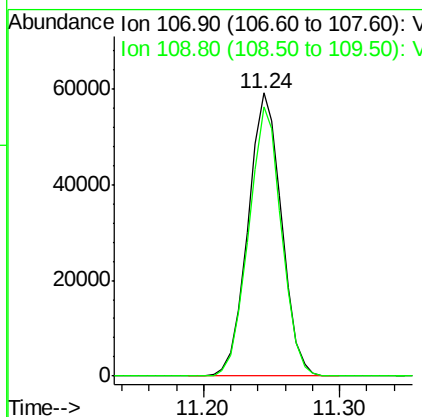
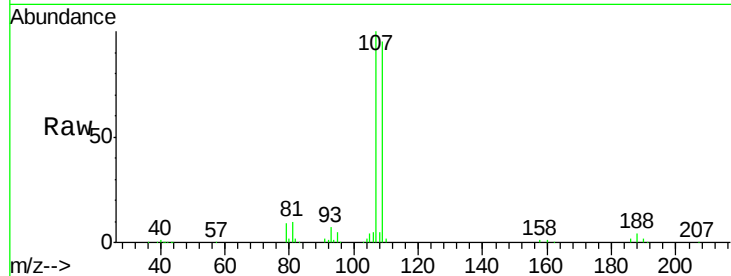
#61
 1,2-Dibromoethane
 Concen: 49.53 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	101758		
109	93.4	76.0	114.0	

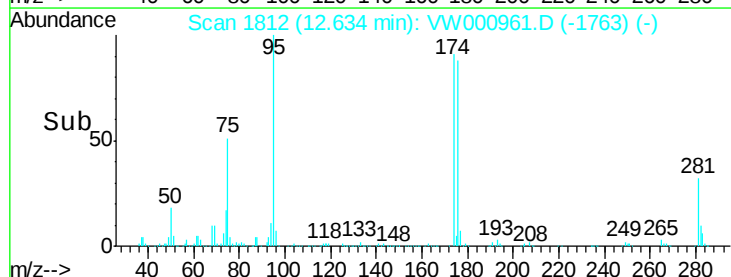
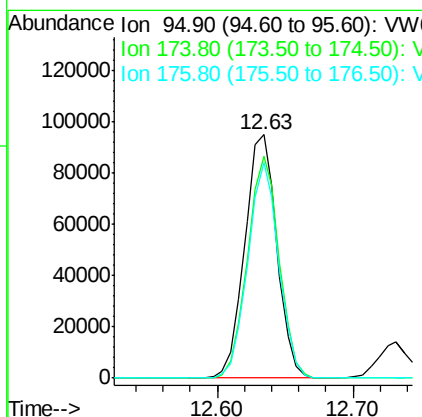
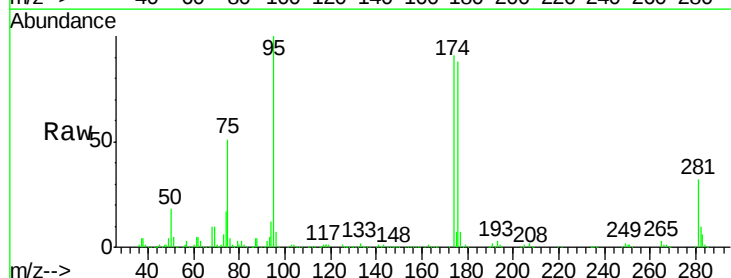
Manual Integrations
 APPROVED

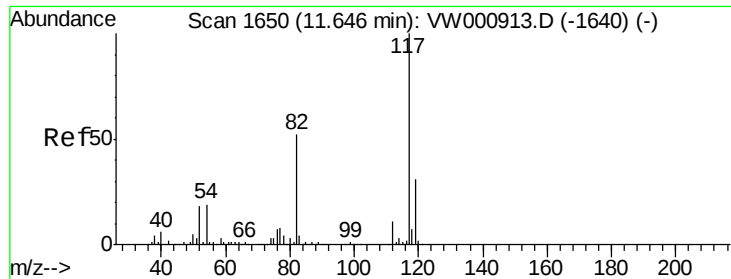
MMDadoda
 1/25/2018 1:34:00 PM



#62
 4-Bromofluorobenzene
 Concen: 48.74 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	156538		
174	89.8	0.0	176.8	
176	85.5	0.0	171.8	





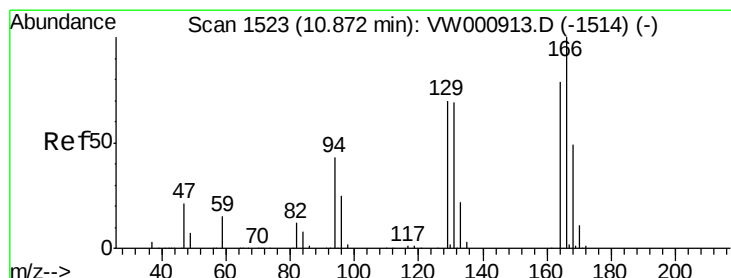
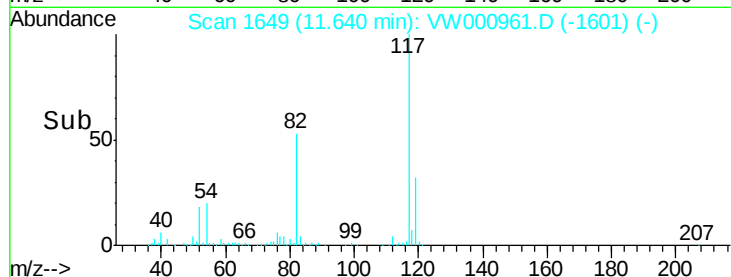
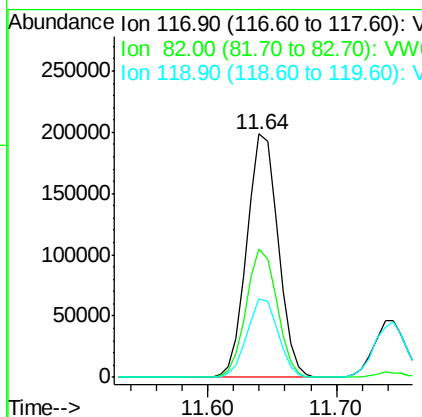
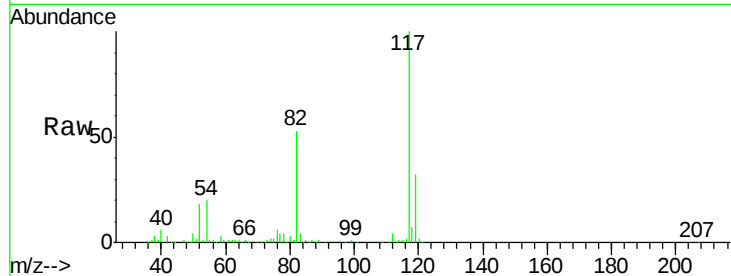
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	332015		
82	52.9		41.8	62.6
119	32.3		25.2	37.8

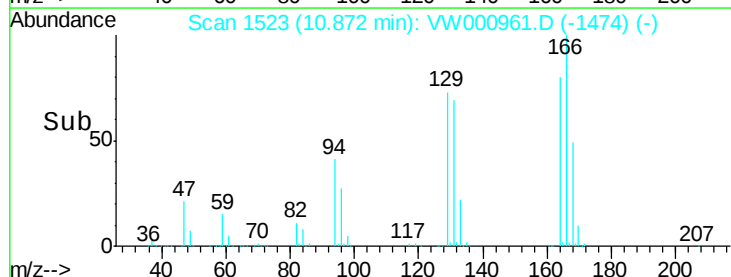
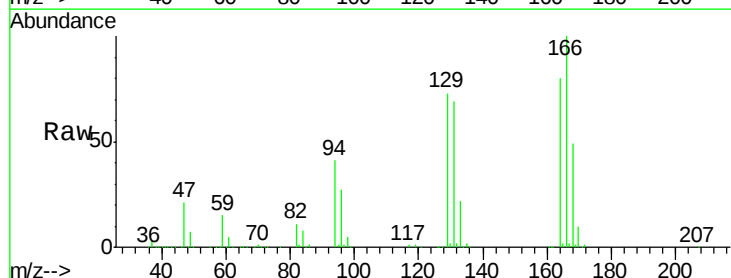
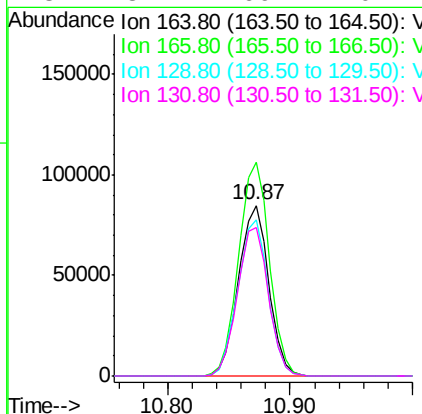
Manual Integrations
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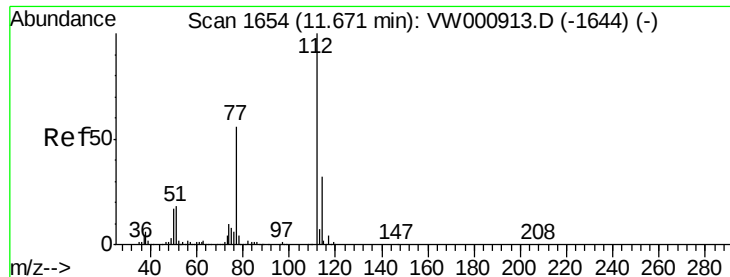
MMDadoda
1/25/2018 1:34:00 PM



#64
Tetrachloroethene
Concen: 52.63 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145034		
166	125.4		100.9	151.3
129	91.5		70.5	105.7
131	87.1		69.4	104.2





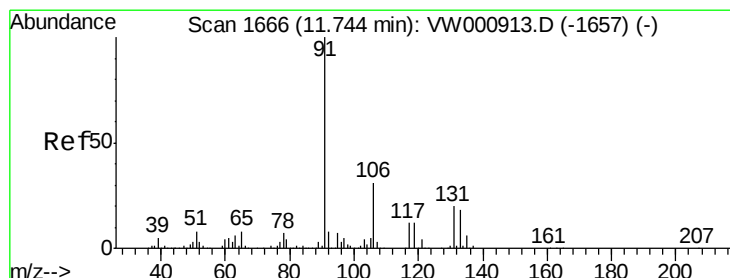
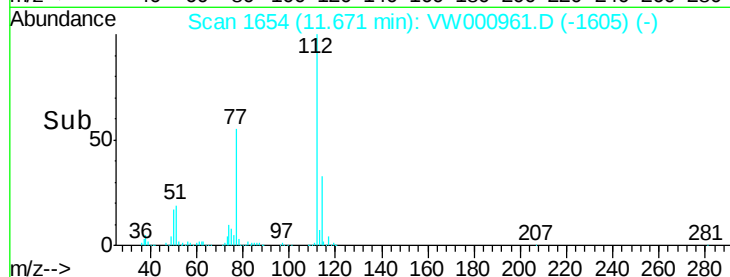
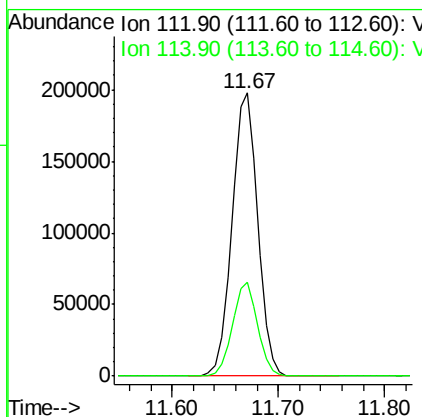
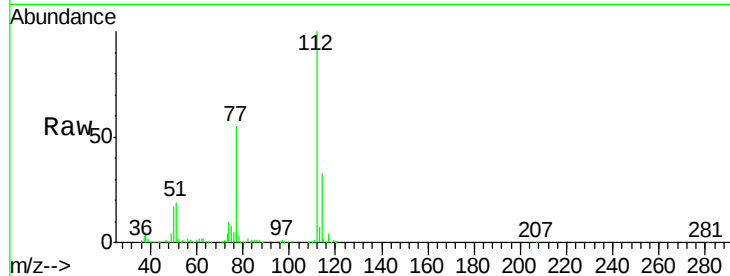
#65
Chlorobenzene
Concen: 49.05 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.6

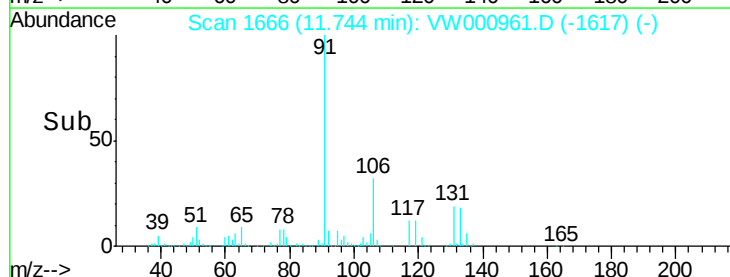
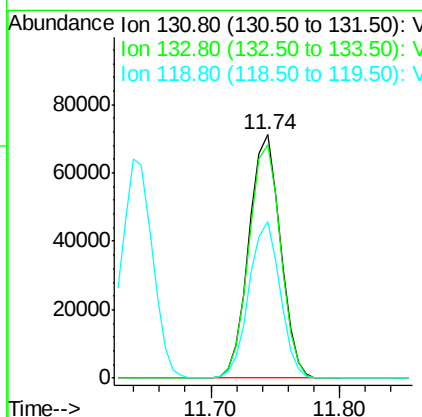
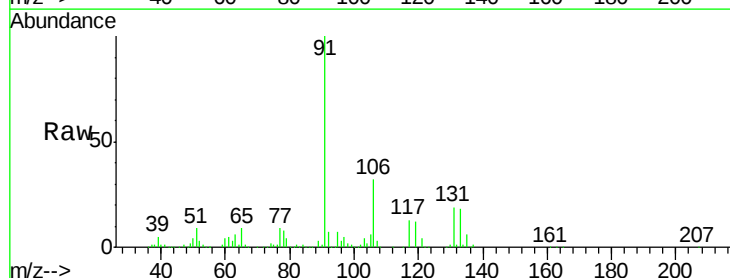
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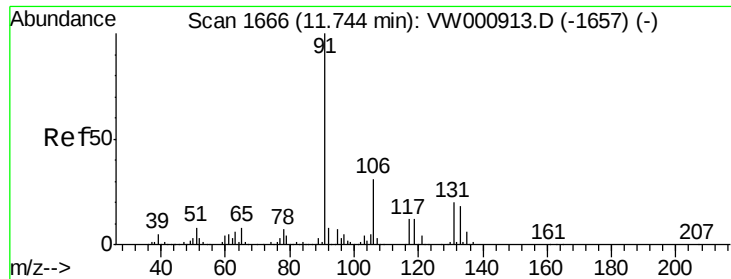
MMDadoda
1/25/2018 1:34:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.08 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.3	142.0
119	63.3	31.6	94.7





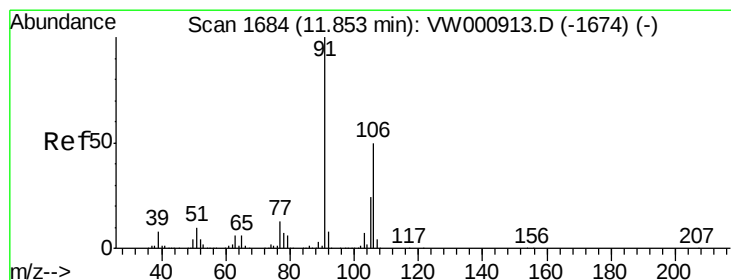
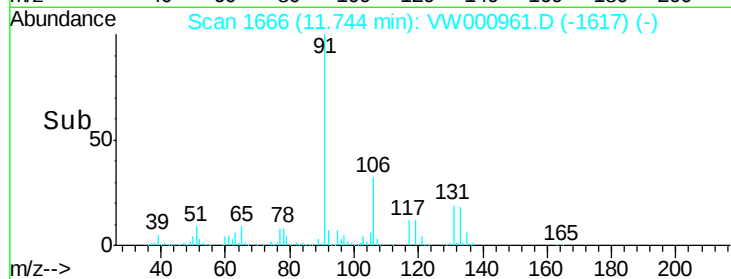
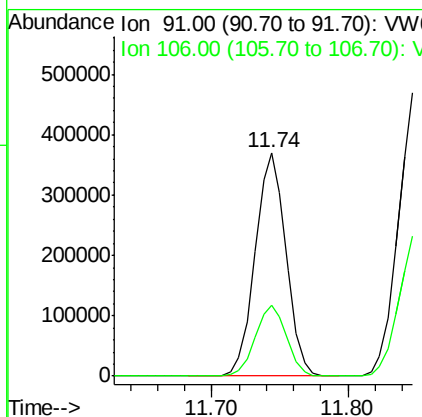
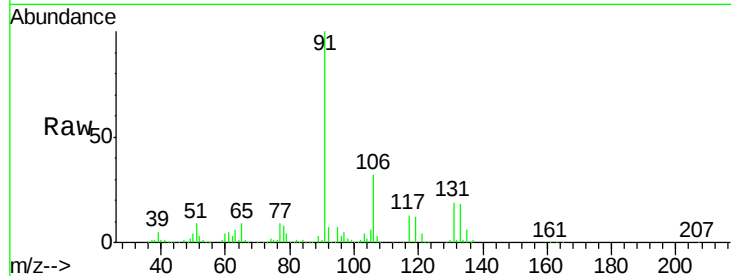
#67
Ethyl Benzene
Concen: 51.14 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 588498
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

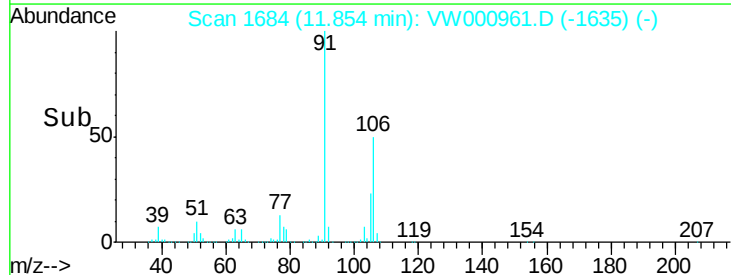
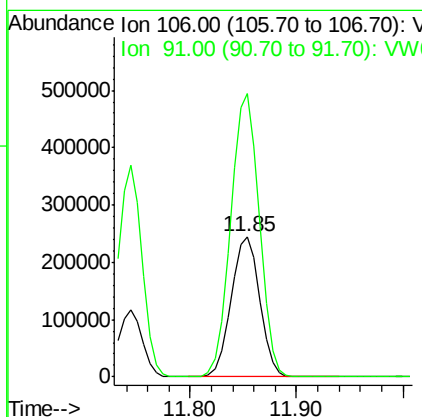
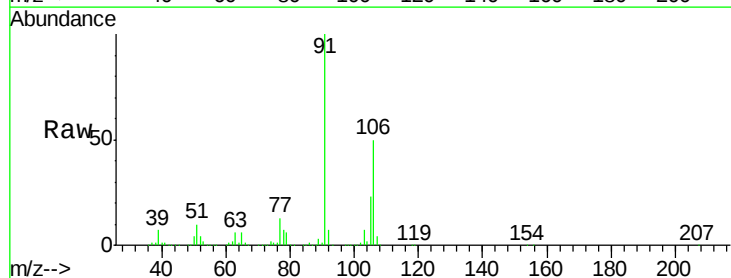
Manual Integrations
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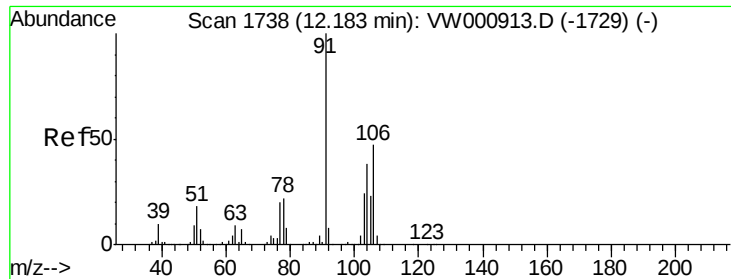
MMDadoda
1/25/2018 1:34:00 PM



#68
m/p-Xylenes
Concen: 102.93 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 106 Resp: 460360
Ion Ratio Lower Upper
106 100
91 201.5 161.9 242.9





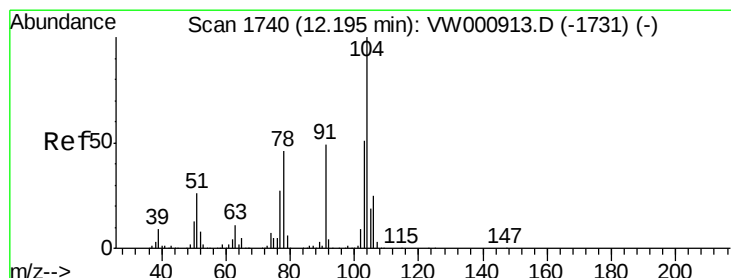
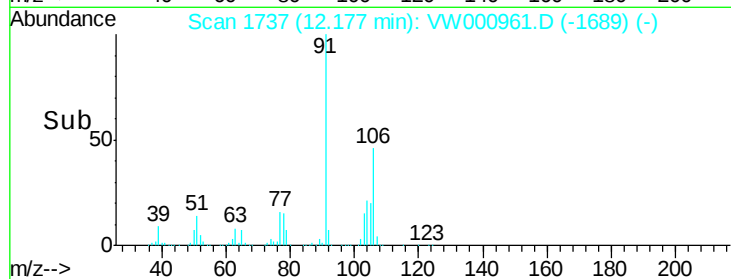
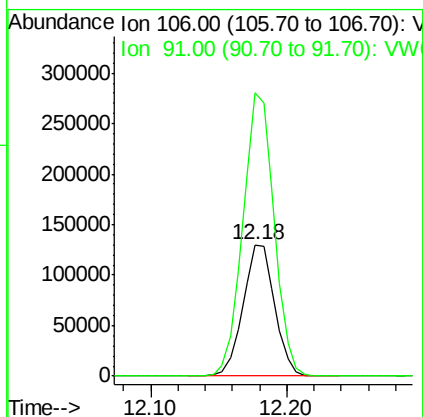
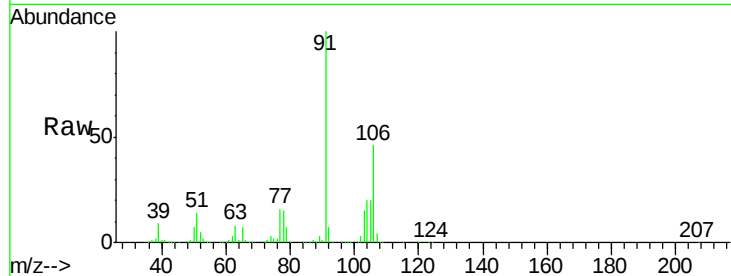
#69
o-Xylene
Concen: 51.48 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	211146		
91	91	213.4	106.3	318.8	

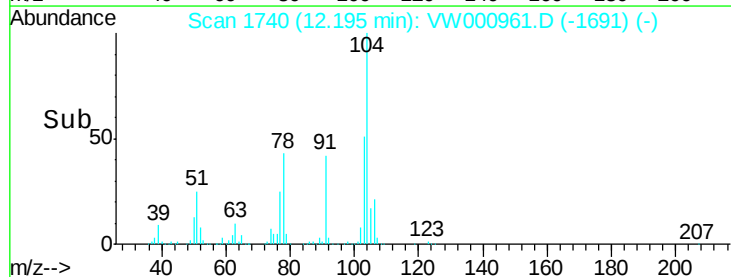
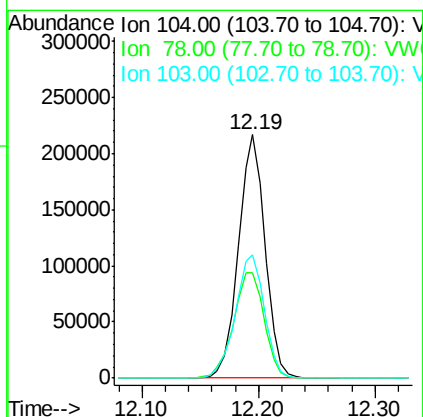
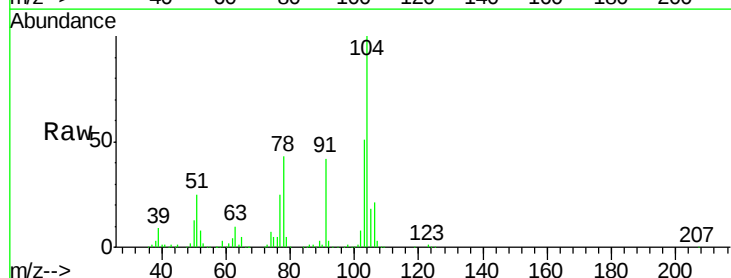
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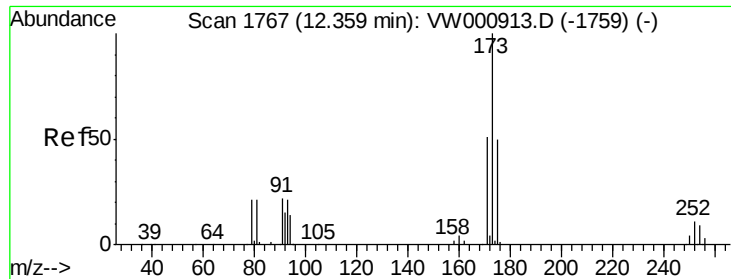
MMDadoda
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#70
Styrene
Concen: 51.63 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	345217		
78	78	50.0	40.1	60.1	
103	103	55.5	44.6	66.8	





#71

Bromoform

Concen: 50.14 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 83203

Ion Ratio Lower Upper

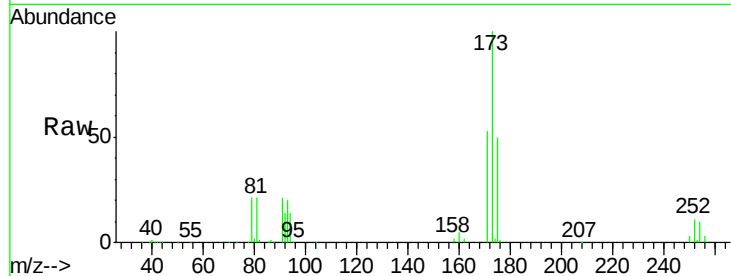
173 100

175 48.8 24.7 74.1

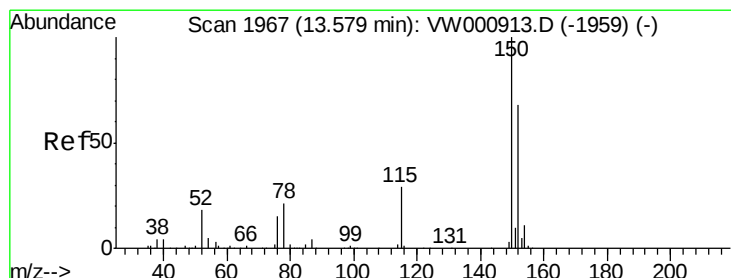
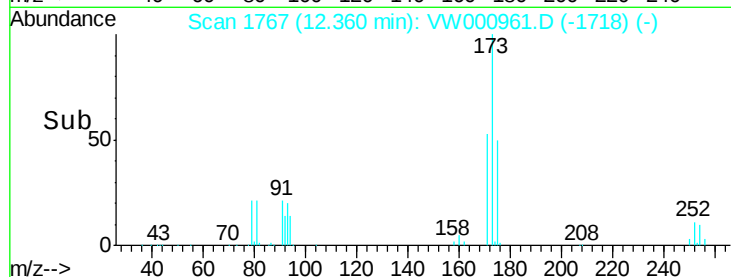
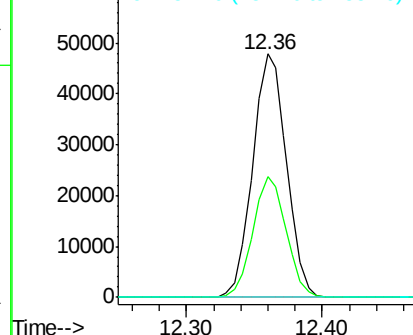
254 0.1 0.2 0.2#

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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: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

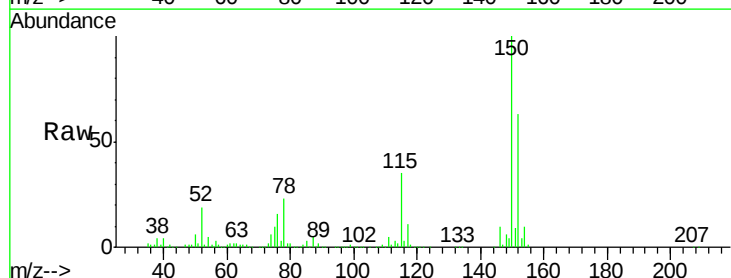
Tgt Ion:152 Resp: 177650

Ion Ratio Lower Upper

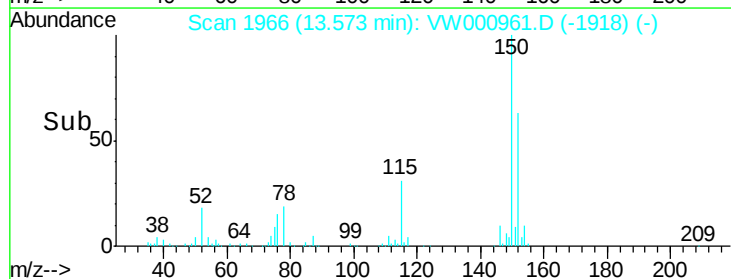
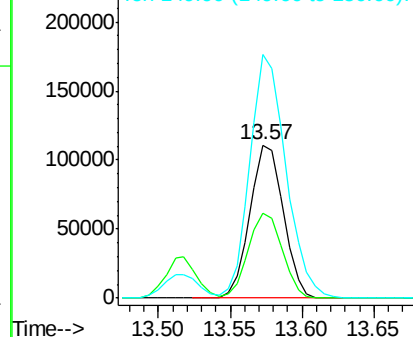
152 100

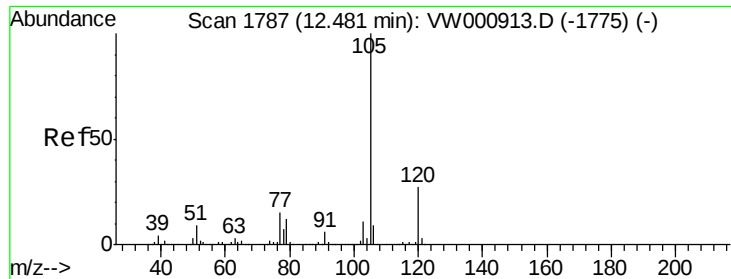
115 56.6 28.5 85.5

150 171.8 0.0 342.0



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





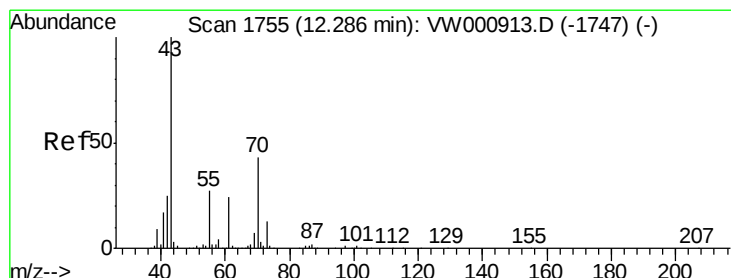
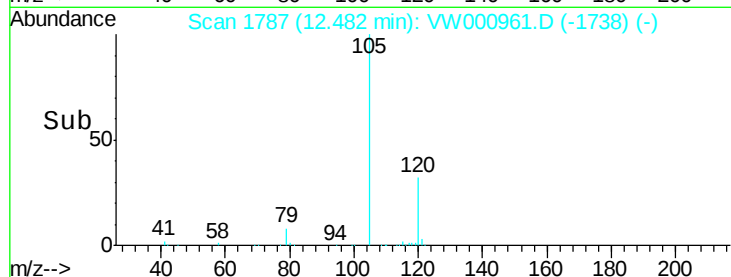
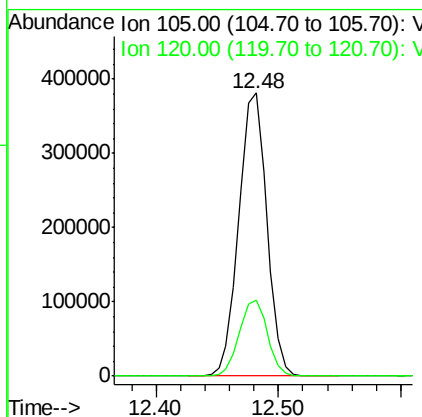
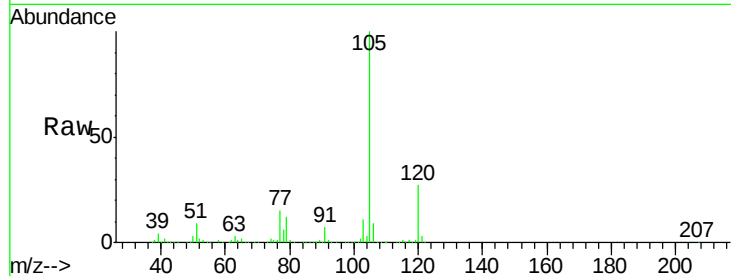
#73
Isopropylbenzene
Concen: 52.66 ug/l
RT: 12.48 min Scan# 1787
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

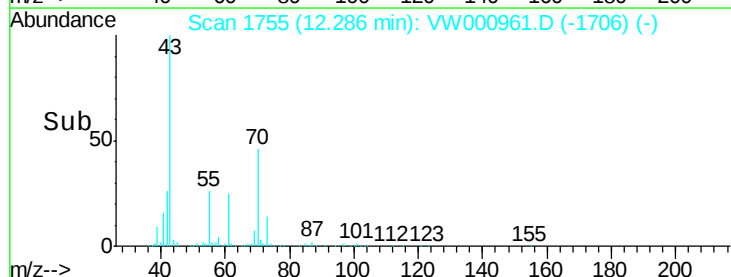
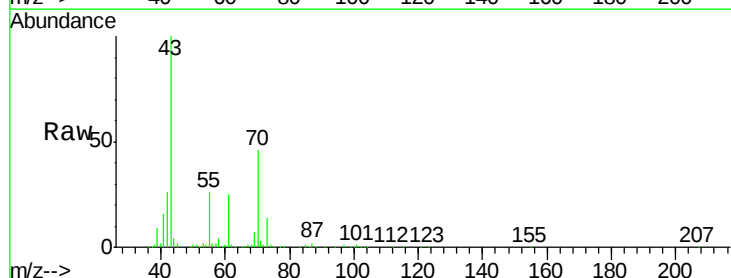
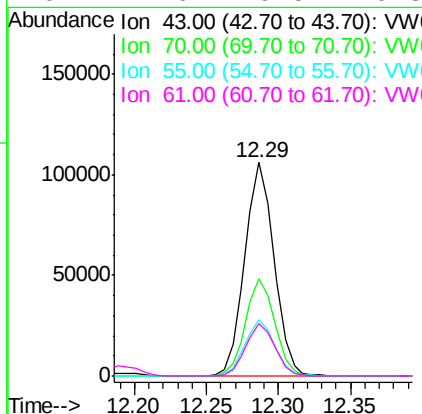
Manual Integrations
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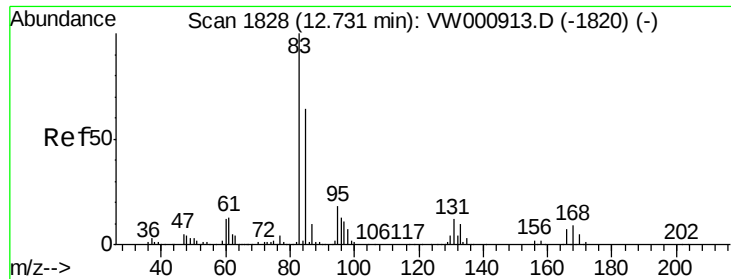
MMDadoda
1/25/2018 1:34:00 PM



#74
N-ethyl acetate
Concen: 53.54 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	35.8	53.8
55	26.6	21.4	32.2
61	24.6	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.91 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

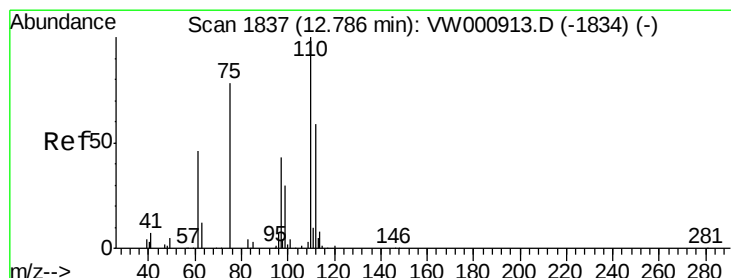
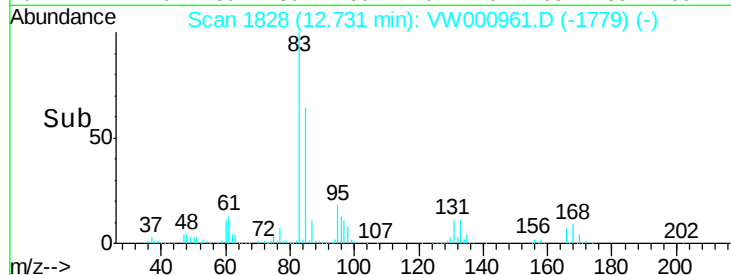
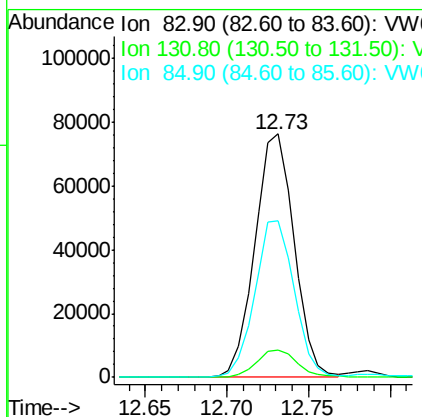
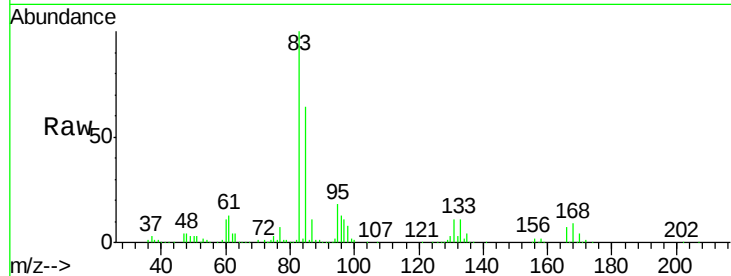
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	127350
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	64.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.66 ug/l m

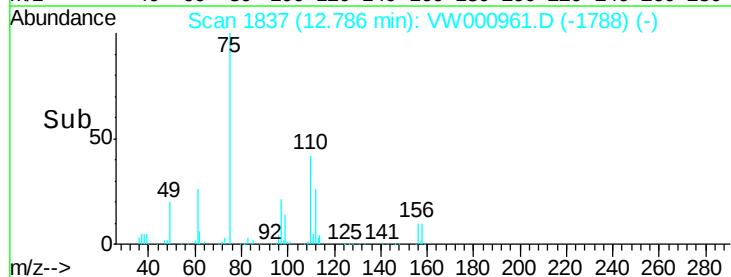
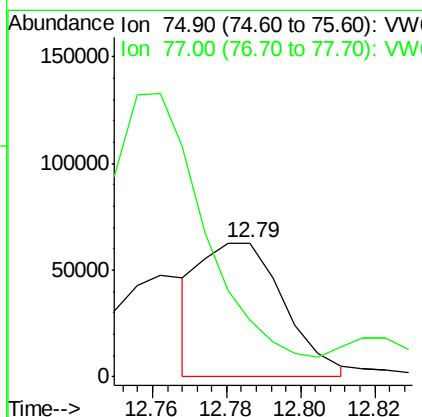
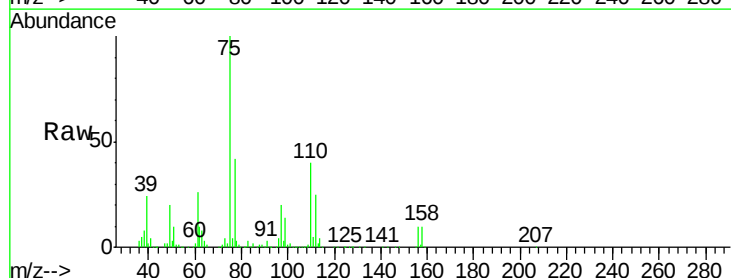
RT: 12.79 min Scan# 1837

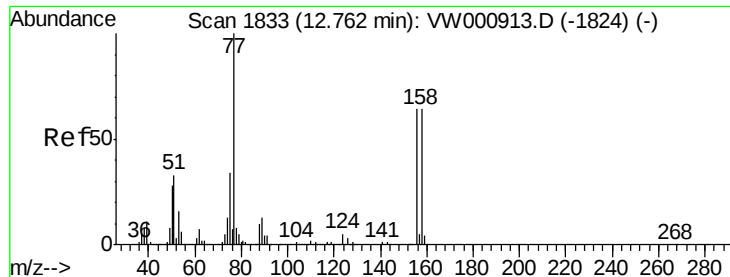
Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	75	Resp:	97974
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.07 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 146239

Ion Ratio Lower Upper

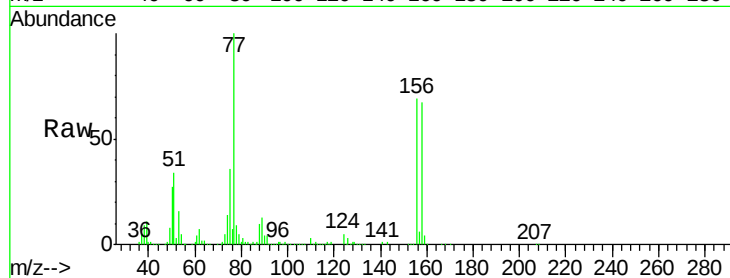
156 100

77 177.3 89.0 267.1

158 98.0 48.9 146.8

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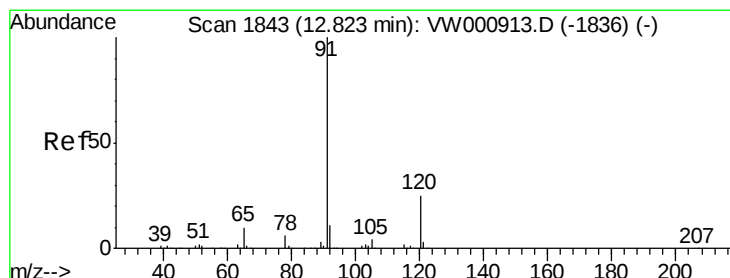
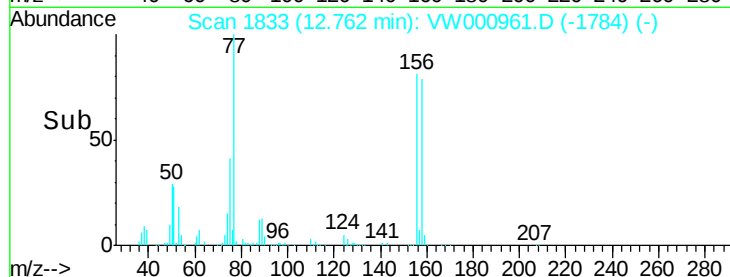
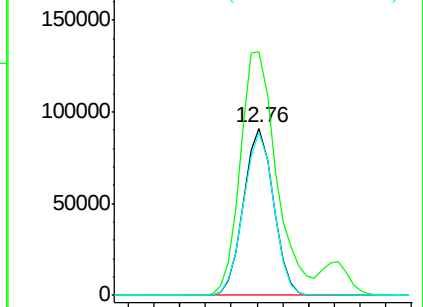
MMDadoda
1/25/2018 1:34:00 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.85 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VW000961.D

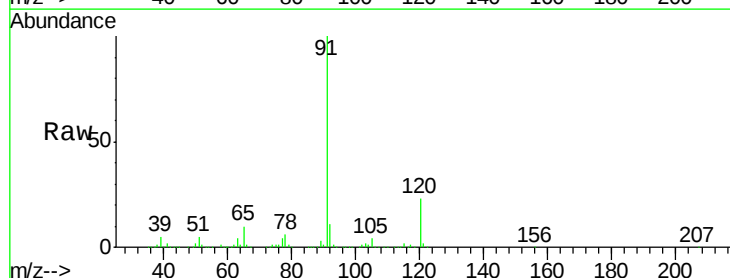
Acq: 24 Jan 2018 21:07

Tgt Ion: 91 Resp: 718064

Ion Ratio Lower Upper

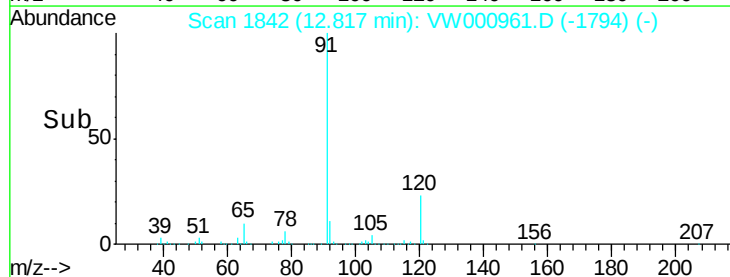
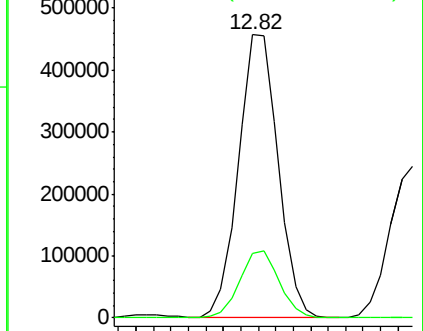
91 100

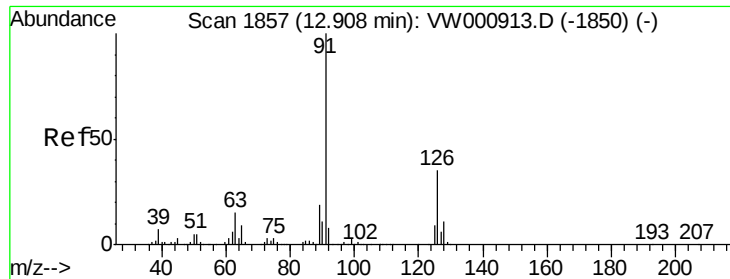
120 23.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.84 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 397212

Ion Ratio Lower Upper

91 100

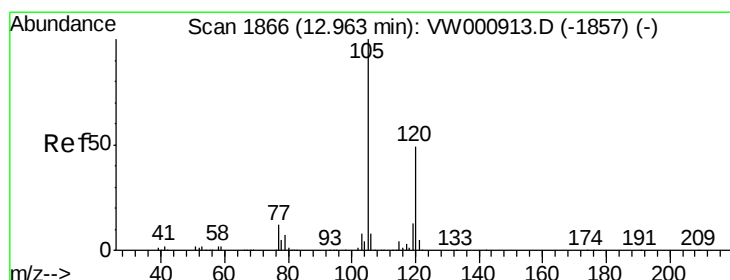
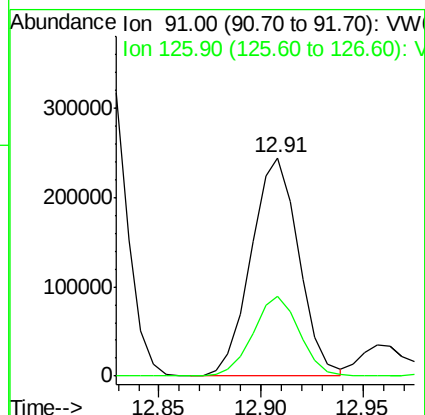
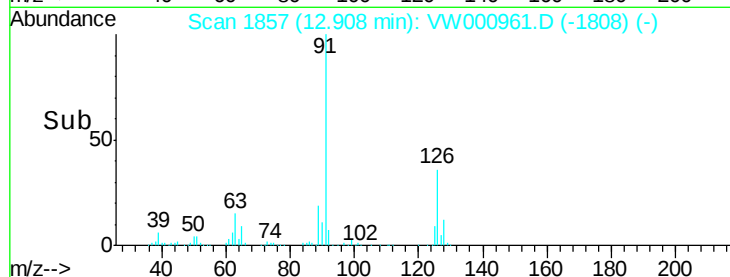
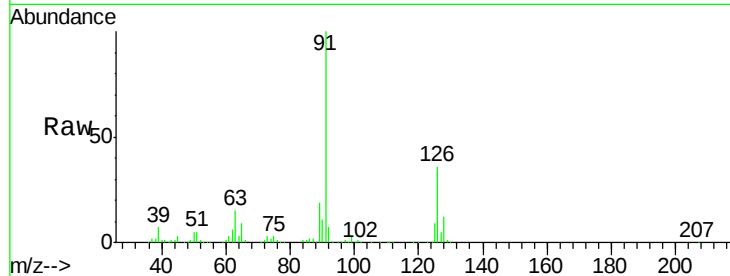
126 35.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.35 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VW000961.D

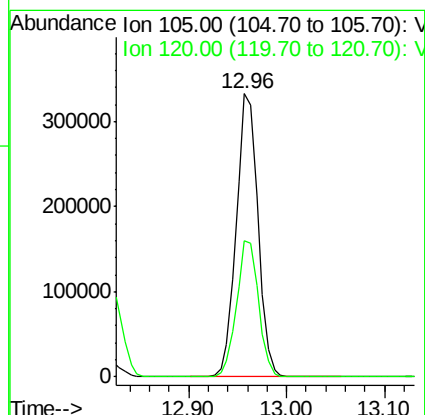
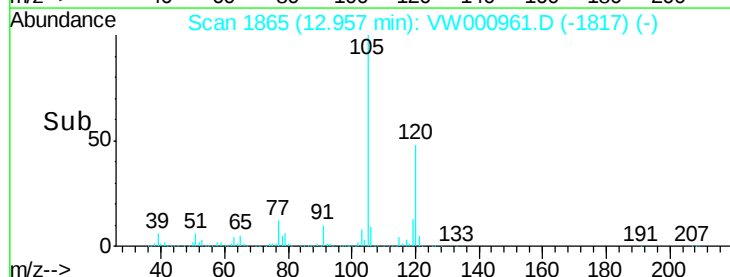
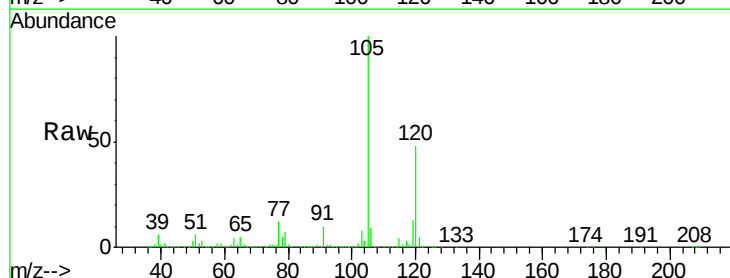
Acq: 24 Jan 2018 21:07

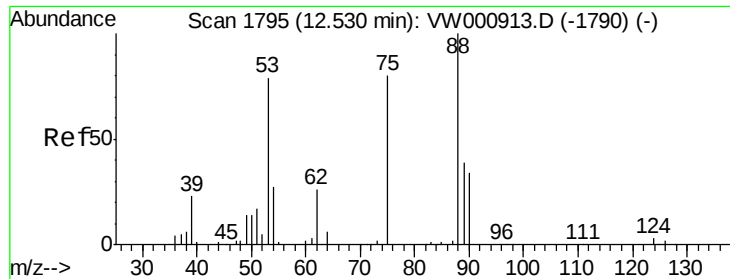
Tgt Ion:105 Resp: 511242

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9





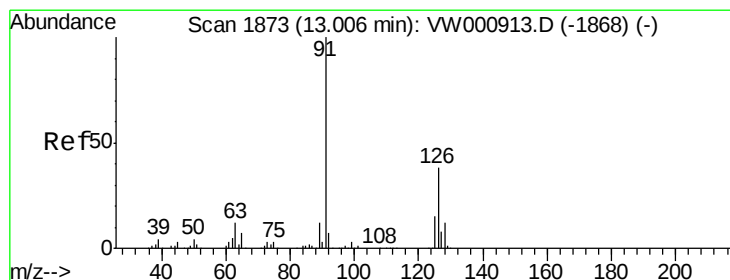
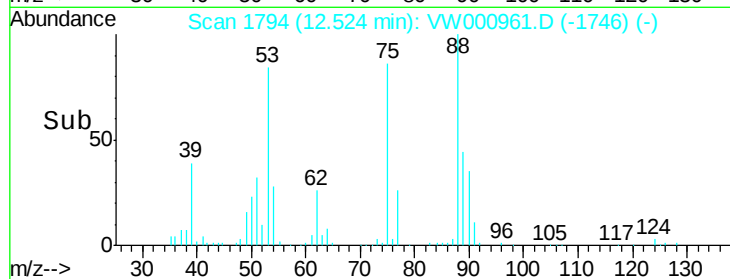
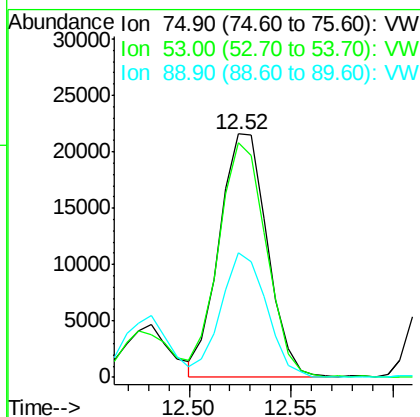
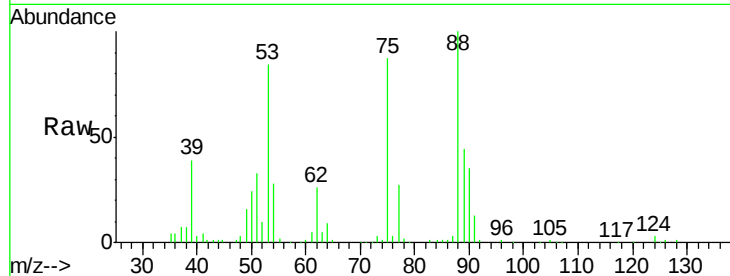
#81
trans-1,4-Dichloro-2-butene
Concen: 43.25 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	77.5	116.3
89	49.3	38.2	57.4

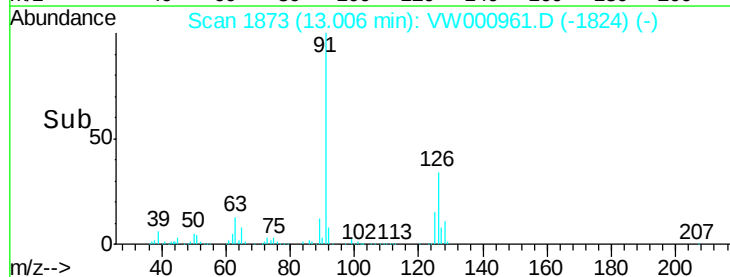
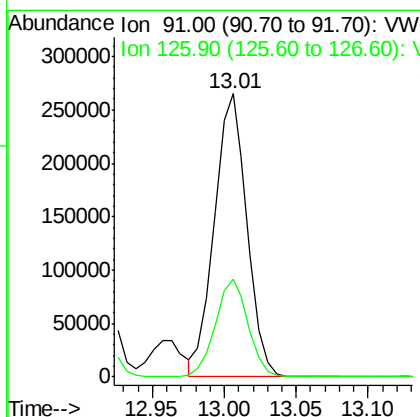
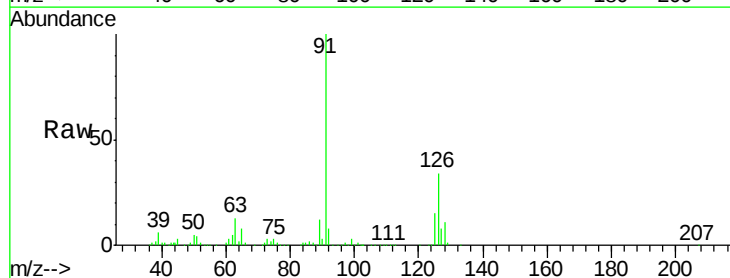
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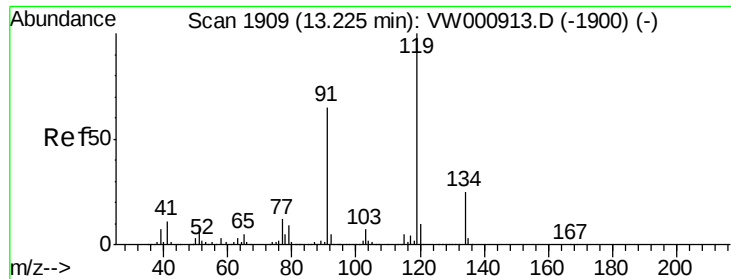
MMDadoda
1/25/2018 1:34:00 PM



#82
4-Chlorotoluene
Concen: 50.31 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.6	52.9





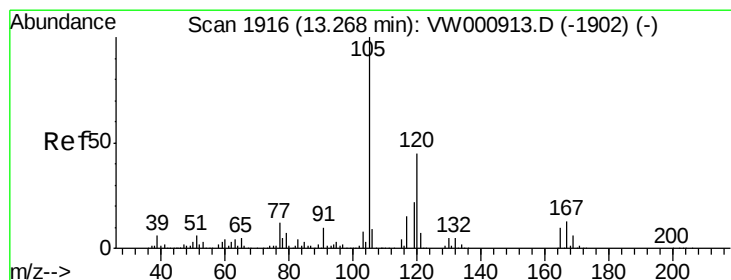
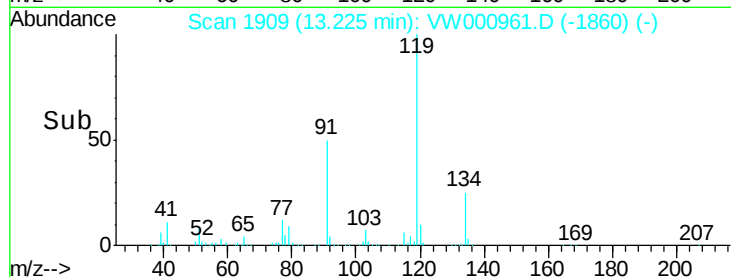
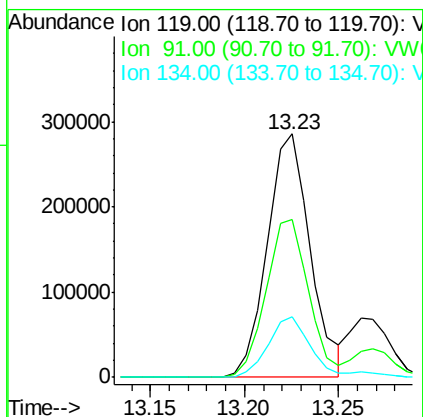
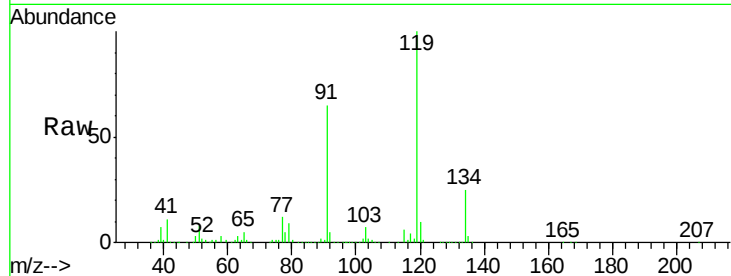
#83
tert-Butylbenzene
Concen: 52.86 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	452297		
91	64.4		32.4	97.0
134	25.8		13.1	39.3

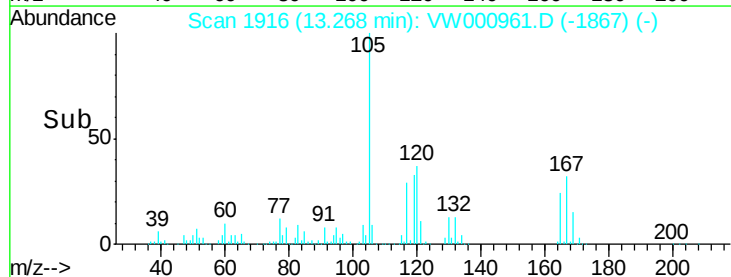
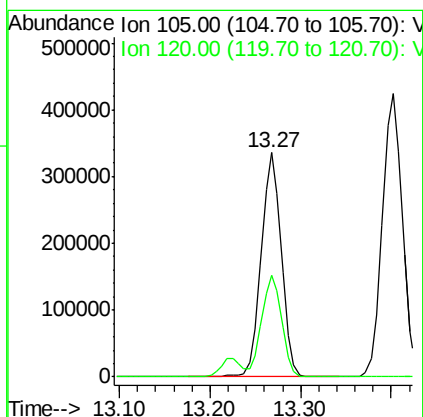
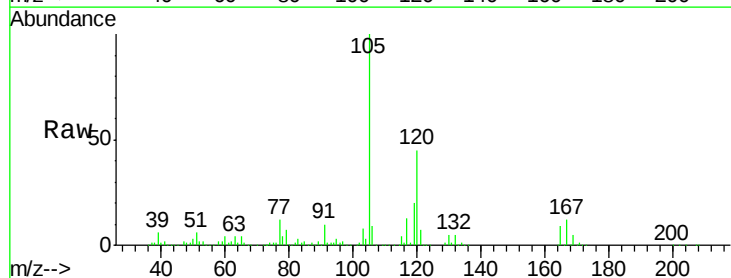
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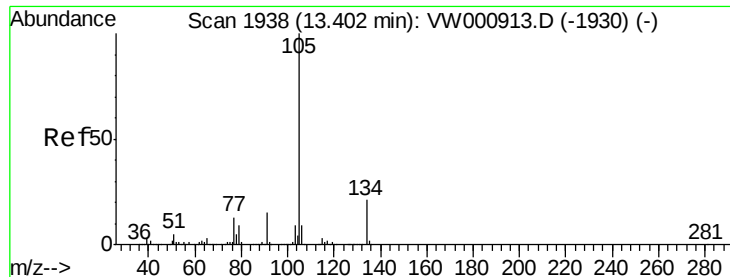
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.04 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	513893		
120	45.6		22.4	67.0





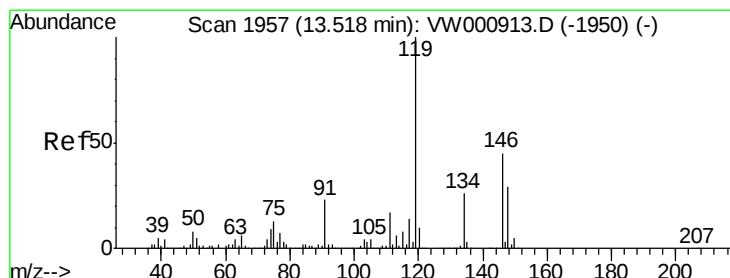
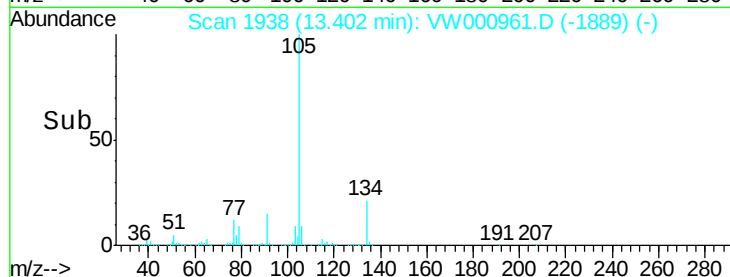
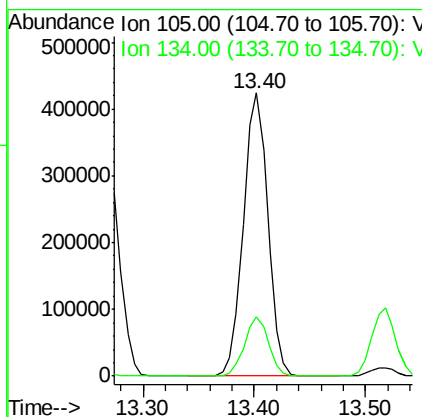
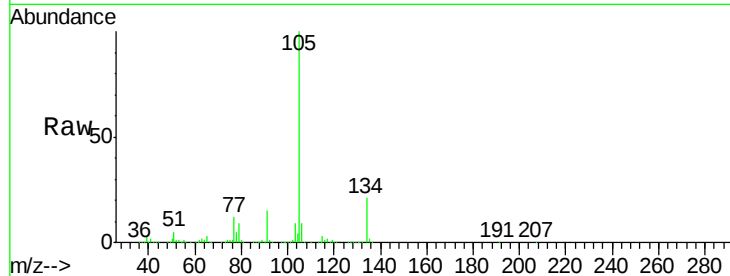
#85
 sec-Butylbenzene
 Concen: 52.39 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.9

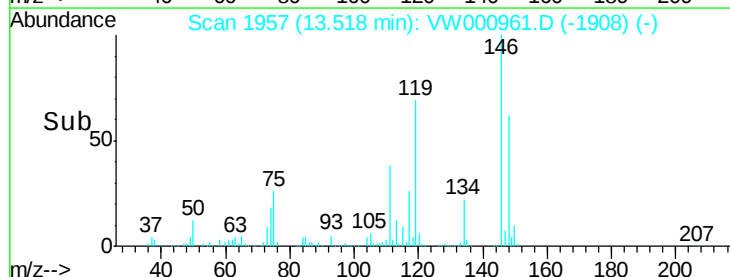
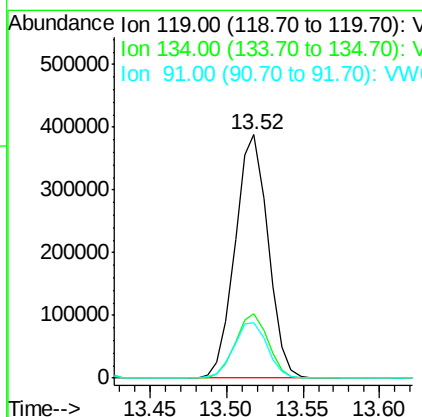
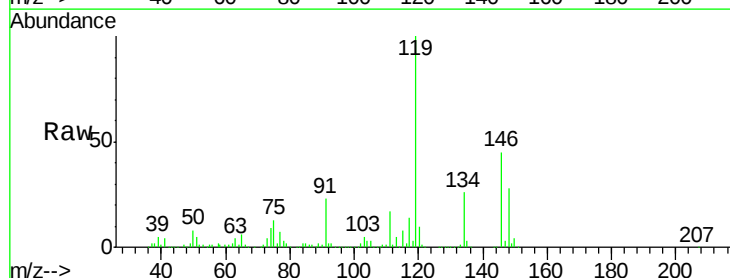
Manual Integrations
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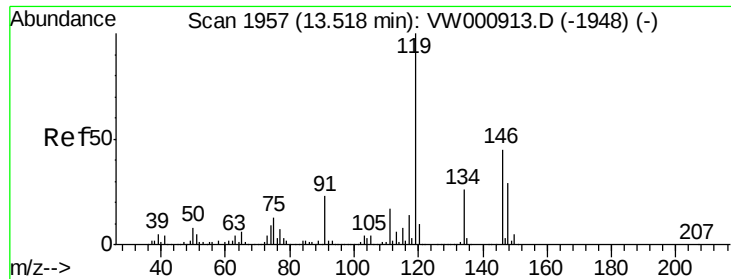
MMDadoda
 1/25/2018 1:34:00 PM



#86
 p-Isopropyltoluene
 Concen: 52.78 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	23.3	11.7	35.0





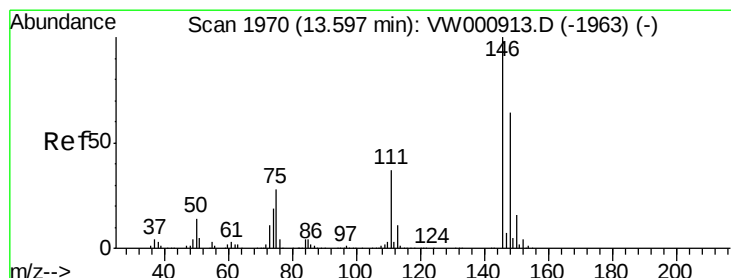
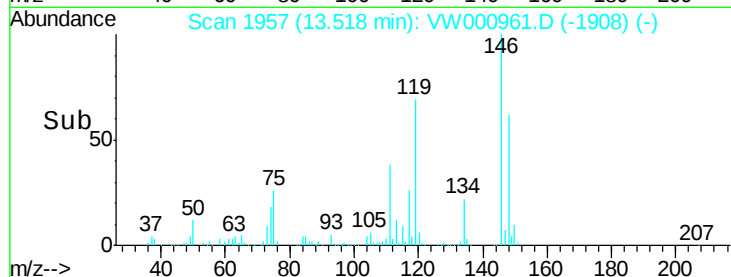
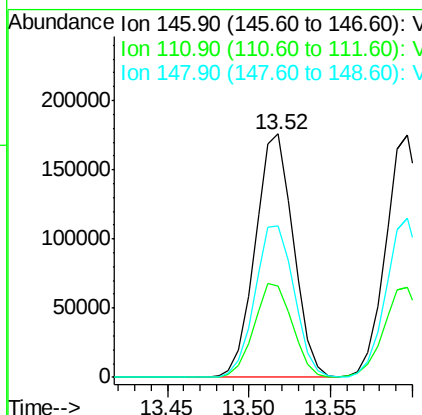
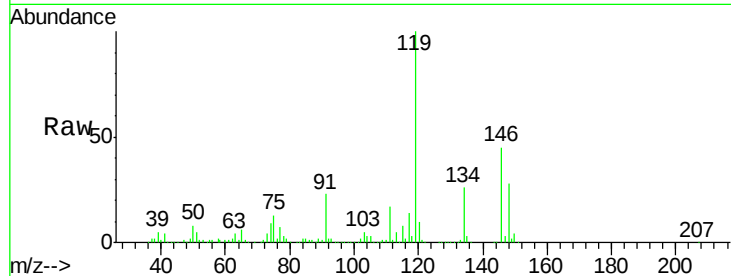
#87
 1,3-Dichlorobenzene
 Concen: 49.36 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.0	32.4	97.0

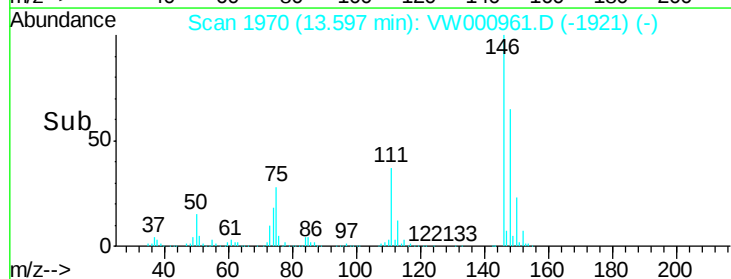
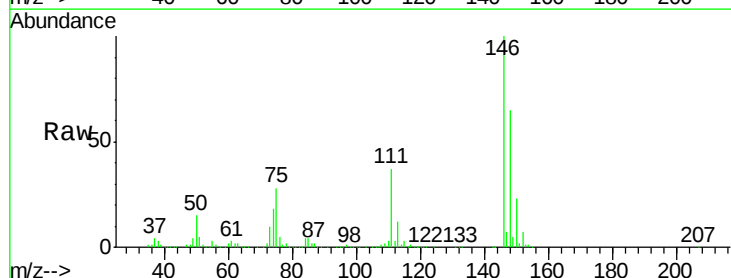
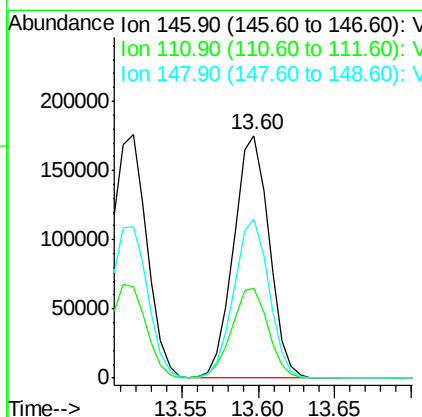
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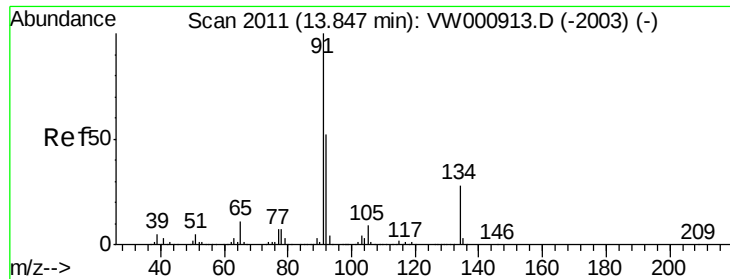
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#88
 1,4-Dichlorobenzene
 Concen: 48.72 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	65.0	32.4	97.2





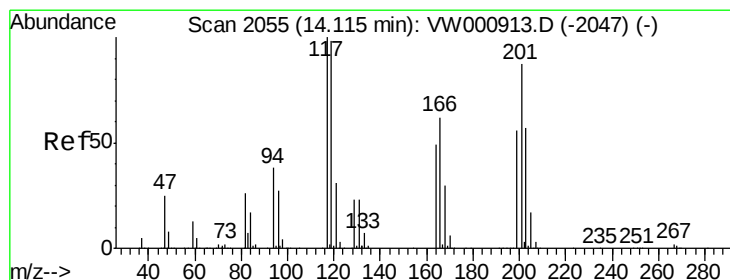
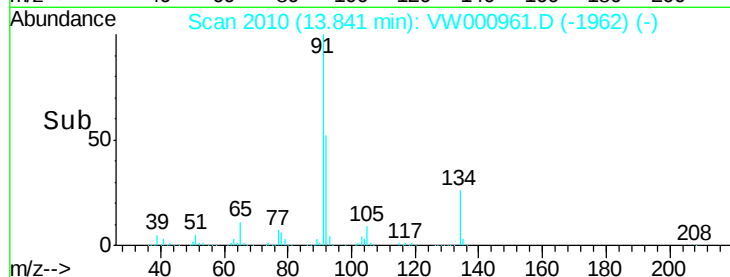
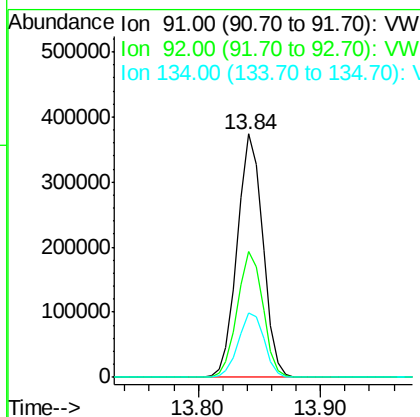
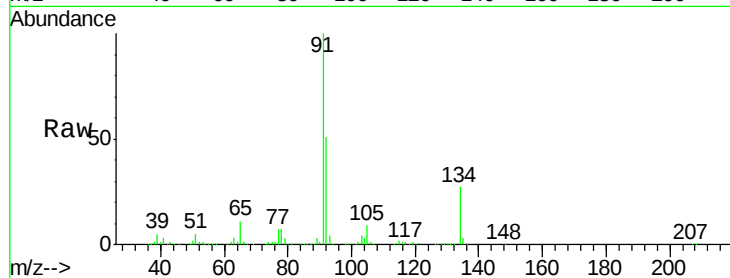
#89
n-Butylbenzene
Concen: 52.47 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	26.7	13.7	41.1

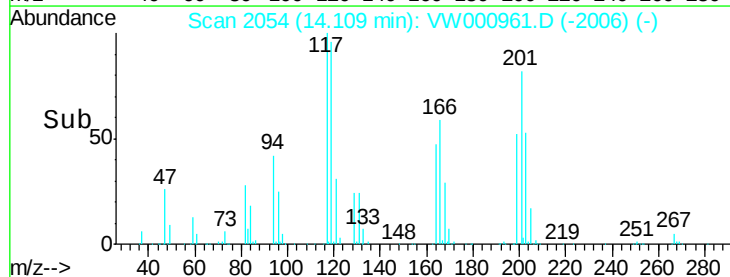
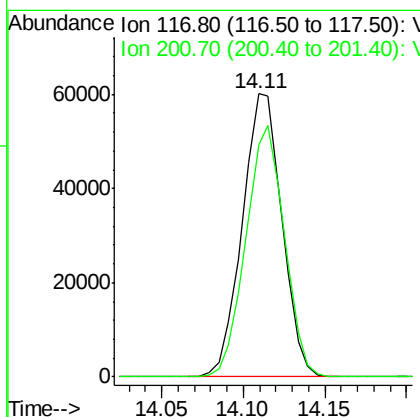
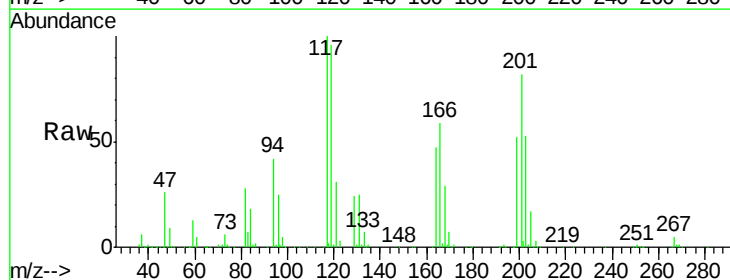
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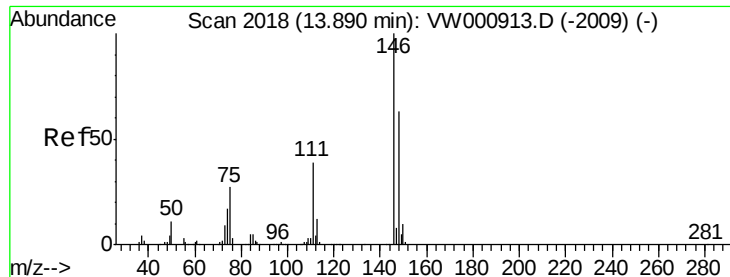
MMDadoda
1/25/2018 1:34:00 PM



#90
Hexachloroethane
Concen: 50.14 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.8	128.3





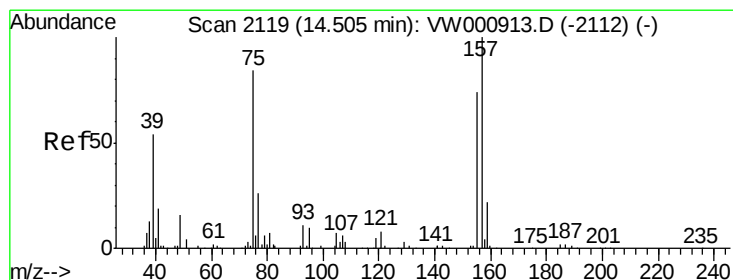
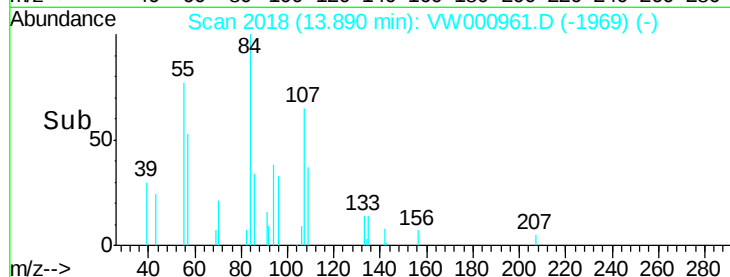
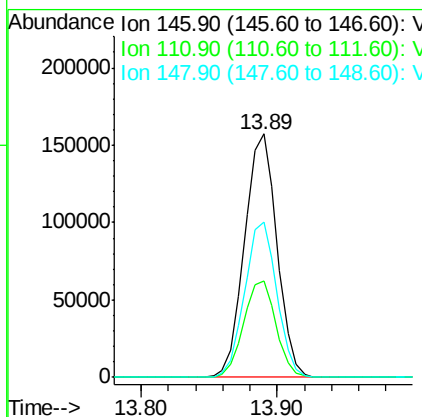
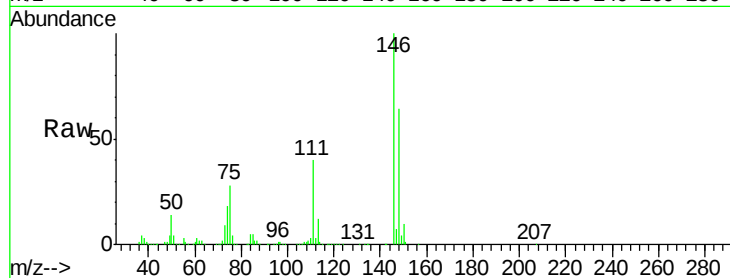
#91
 1,2-Dichlorobenzene
 Concen: 50.22 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	262063
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.8	59.4
148	63.4	31.8	95.3

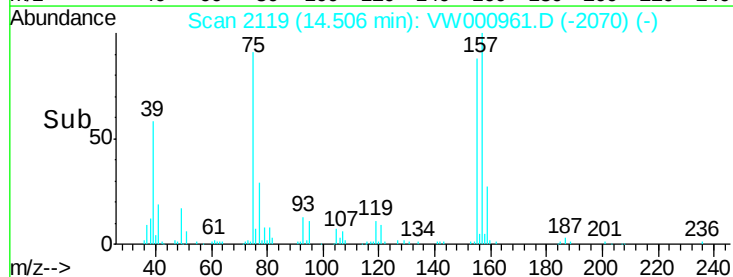
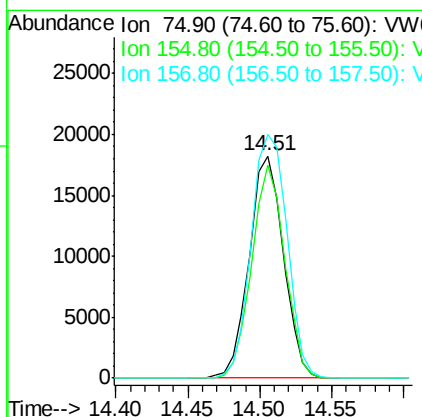
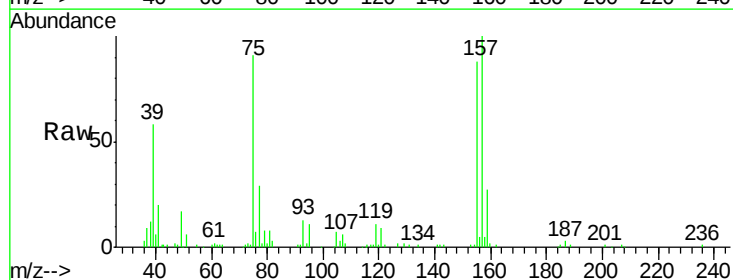
Manual Integrations
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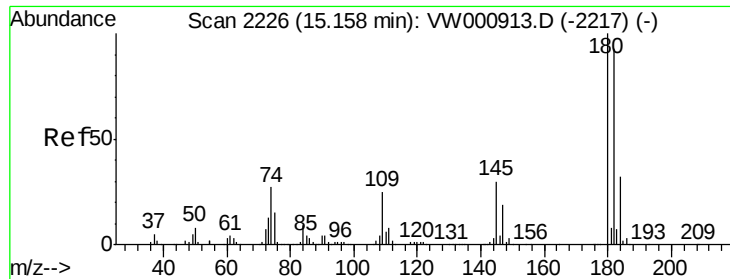
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 1/25/2018 1:34:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.37 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion:	75	Resp:	29983
Ion Ratio	Lower	Upper	
75	100		
155	92.1	45.9	137.6
157	114.9	59.8	179.3





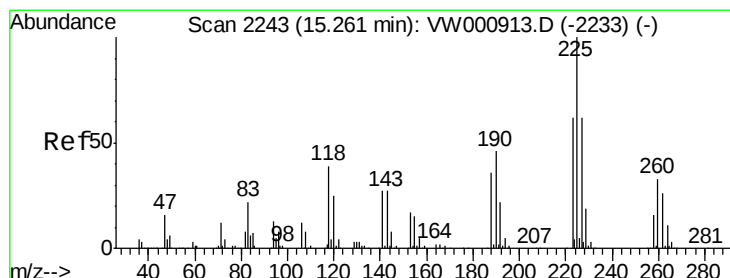
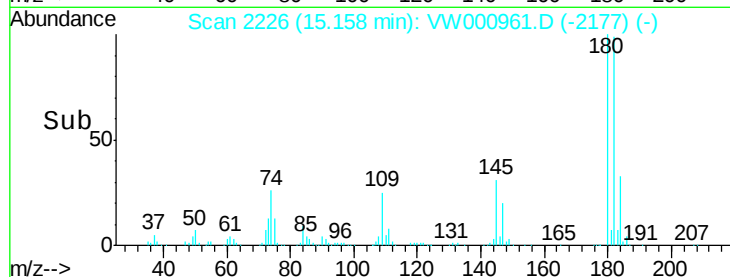
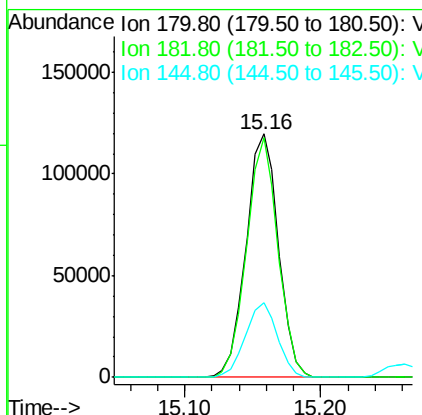
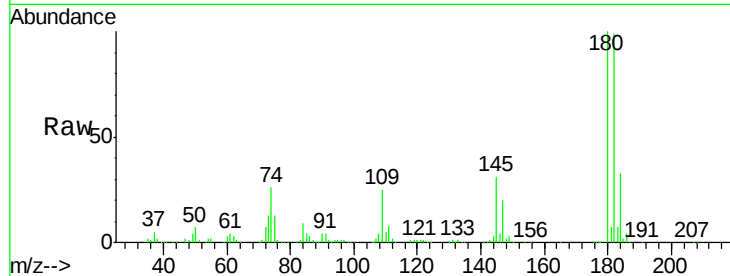
#93
 1,2,4-Trichlorobenzene
 Concen: 51.32 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199598		
182	95.4	47.5	142.6	
145	30.5	14.9	44.7	

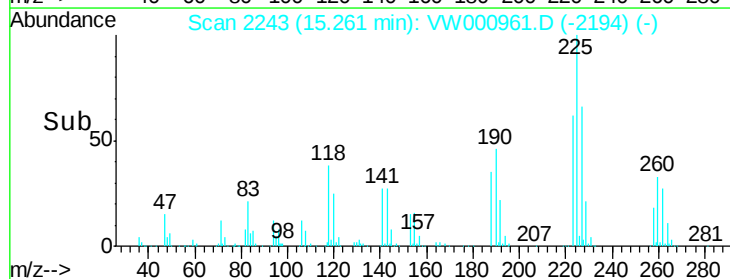
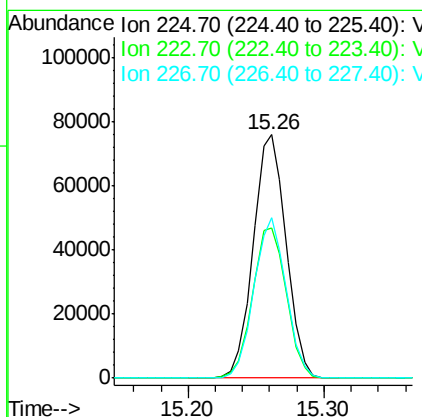
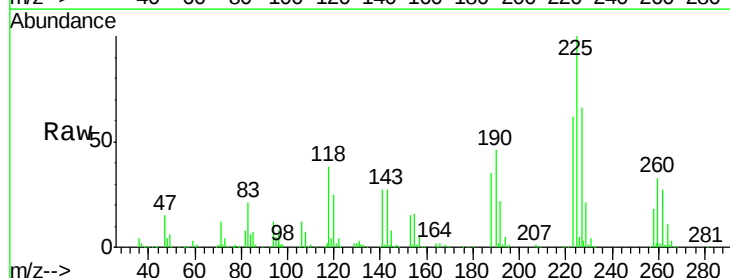
Manual Integrations
 APPROVED

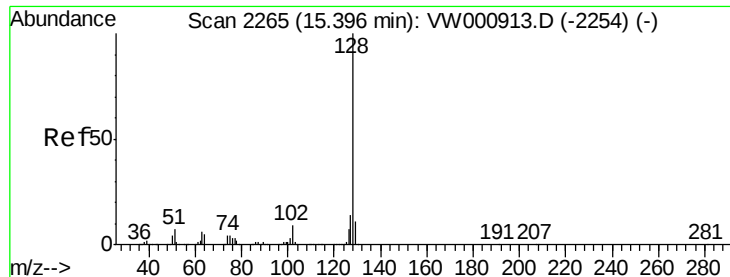
MMDadoda
 1/25/2018 1:34:00 PM



#94
 Hexachlorobutadiene
 Concen: 52.29 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128905		
223	63.5	31.3	93.8	
227	64.2	31.8	95.3	





#95

Naphthalene

Concen: 56.47 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

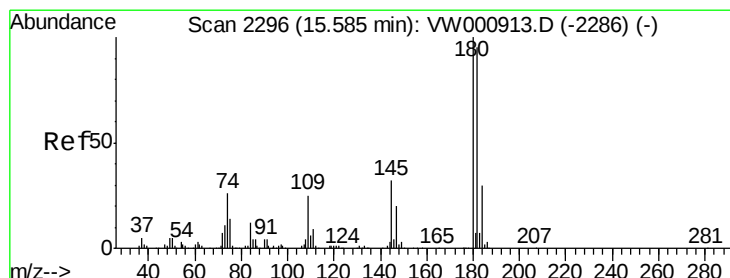
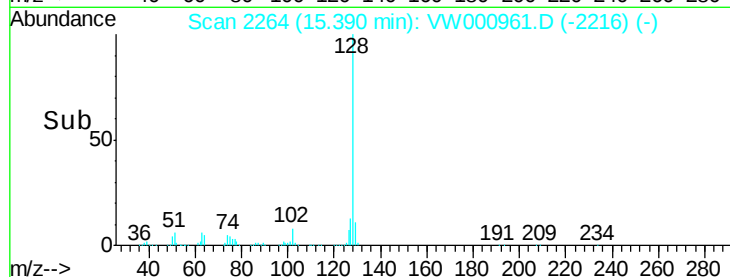
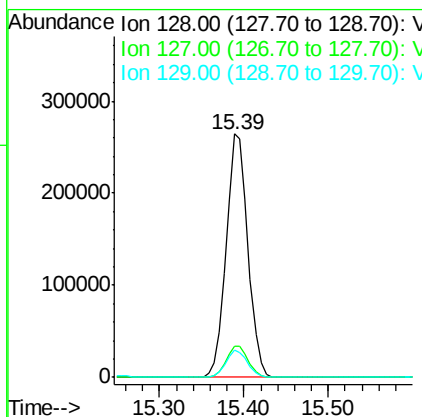
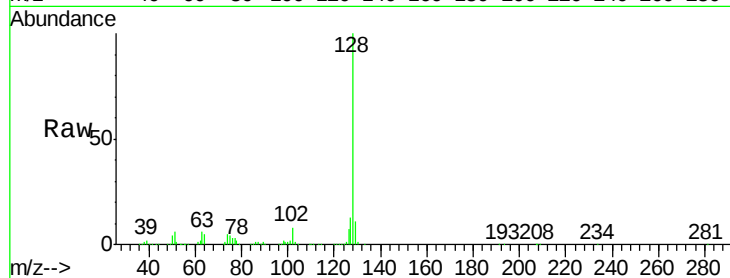
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	463568
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/25/2018 1:34:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.12 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion:	180	Resp:	186458
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.3
145	31.6	15.8	47.3

