

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000963.D
 Acq On : 24 Jan 2018 22:21
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jan 25 06:05:06 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	268237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117247	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	7.88	113	104608	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.33	98	430443	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.63	95	153855	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	133958	51.79	ug/l	98
3) Chloromethane	2.22	50	111475	48.77	ug/l	99
4) Vinyl Chloride	2.36	62	103731	48.79	ug/l	99
5) Bromomethane	2.75	94	70636	50.66	ug/l	97
6) Chloroethane	2.90	64	56338	47.69	ug/l	97
7) Trichlorofluoromethane	3.25	101	200690	51.26	ug/l	98
8) Diethyl Ether	3.68	74	46492	47.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	139872	55.31	ug/l	100
10) Methyl Iodide	4.26	142	119092	44.96	ug/l	98
11) Tert butyl alcohol	5.19	59	69058	247.69	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	119052	54.77	ug/l	99
13) Acrolein	3.89	56	64831	238.16	ug/l	98
14) Allyl chloride	4.66	41	168965	49.89	ug/l	100
15) Acrylonitrile	5.37	53	198733	259.46	ug/l	99
16) Acetone	4.13	43	225649	216.76	ug/l	97
17) Carbon Disulfide	4.37	76	374344	52.14	ug/l	100
18) Methyl Acetate	4.68	43	91052	48.15	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	299273	53.60	ug/l	98
20) Methylene Chloride	4.91	84	119597	51.75	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	127636	50.54	ug/l	96
22) Diisopropyl ether	6.32	45	325123	53.62	ug/l	99
23) Vinyl Acetate	6.26	43	940524	249.62	ug/l	98
24) 1,1-Dichloroethane	6.22	63	207320	51.08	ug/l	98
25) 2-Butanone	7.18	43	288174	253.36	ug/l	98
26) 2,2-Dichloropropane	7.17	77	200914	48.90	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	134084	51.37	ug/l	98
28) Bromochloromethane	7.51	49	81710	47.93	ug/l	99
29) Tetrahydrofuran	7.54	42	167601	267.81	ug/l	99
30) Chloroform	7.68	83	223193	50.98	ug/l	100
31) Cyclohexane	7.95	56	207777	49.59	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	217657	51.45	ug/l	99
36) 1,1-Dichloropropene	8.08	75	185051	53.22	ug/l	99
37) Ethyl Acetate	7.26	43	101633	51.79	ug/l	98
38) Carbon Tetrachloride	8.07	117	202761	52.86	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228057	54.46	ug/l	96
40) Benzene	8.32	78	496866	52.56	ug/l	99
41) Methacrylonitrile	7.49	41	61249	55.60	ug/l	96
42) 1,2-Dichloroethane	8.40	62	152549	52.37	ug/l	100
43) Isopropyl Acetate	8.43	43	176884	53.17	ug/l	100
44) Trichloroethene	9.09	130	147060	52.35	ug/l	96
45) 1,2-Dichloropropane	9.37	63	115545	52.39	ug/l	99
46) Dibromomethane	9.46	93	73783	52.36	ug/l	99
47) Bromodichloromethane	9.65	83	164670	52.84	ug/l	97
48) Methyl methacrylate	9.45	41	86986	54.44	ug/l	98
49) 1,4-Dioxane	9.45	88	35339	1147.36	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	520001	271.63	ug/l	99
52) Toluene	10.40	92	318408	53.31	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	165075	52.28	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	179792	51.76	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	104086	52.90	ug/l	98
56) Ethyl methacrylate	10.66	69	134225	50.78	ug/l	99
57) 1,3-Dichloropropane	10.94	76	171135	53.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	377975	251.88	ug/l	100
59) 2-Hexanone	10.98	43	401363	239.16	ug/l	99
60) Dibromochloromethane	11.14	129	126936	53.41	ug/l	100
61) 1,2-Dibromoethane	11.24	107	107968	52.67	ug/l	99
64) Tetrachloroethene	10.87	164	155966	57.00	ug/l	98
65) Chlorobenzene	11.67	112	357530	52.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130972	53.92	ug/l	99
67) Ethyl Benzene	11.74	91	621751	54.41	ug/l	99
68) m/p-Xylenes	11.85	106	484942	109.19	ug/l	100
69) o-Xylene	12.18	106	221491	54.38	ug/l	98
70) Styrene	12.20	104	368740	55.54	ug/l	100
71) Bromoform	12.36	173	88797	53.88	ug/l	99
73) Isopropylbenzene	12.48	105	629041	55.02	ug/l	100
74) N-amyl acetate	12.29	43	156148	56.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	134945	55.22	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	104048m	50.82	ug/l	
77) Bromobenzene	12.76	156	155824	53.57	ug/l	100
78) n-propylbenzene	12.82	91	747936	54.22	ug/l	99
79) 2-Chlorotoluene	12.91	91	416984	53.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	531015	54.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36996	45.75	ug/l	98
82) 4-Chlorotoluene	13.01	91	441264	53.38	ug/l	99
83) tert-Butylbenzene	13.23	119	468302	54.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	539137	54.81	ug/l	99
85) sec-Butylbenzene	13.40	105	663705	53.97	ug/l	100
86) p-Isopropyltoluene	13.52	119	597028	54.73	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	304162	52.72	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	298672	51.77	ug/l	99
89) n-Butylbenzene	13.84	91	552692	53.94	ug/l	100
90) Hexachloroethane	14.12	117	106993	52.77	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	276730	53.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30091	55.80	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	206470	53.31	ug/l	99
94) Hexachlorobutadiene	15.26	225	133036	54.18	ug/l	99
95) Naphthalene	15.39	128	480651	58.79	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	195708	54.93	ug/l	100

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

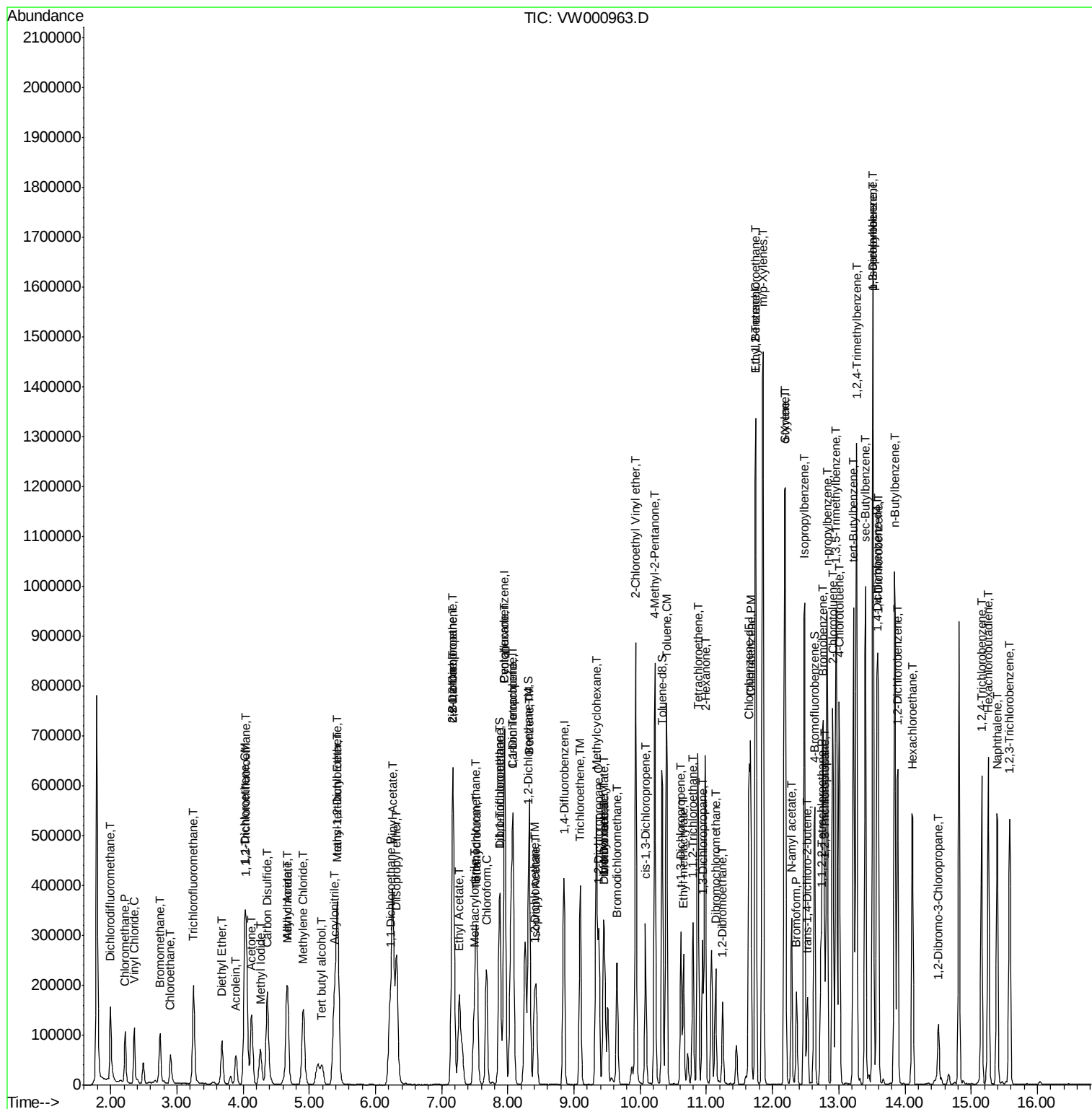
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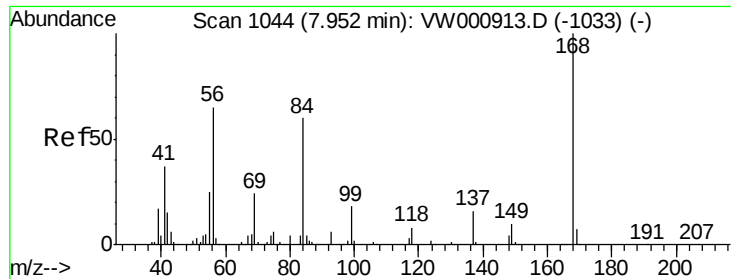
Instrument :
 MSVOA_W
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 268237

Ion Ratio Lower Upper

168 100

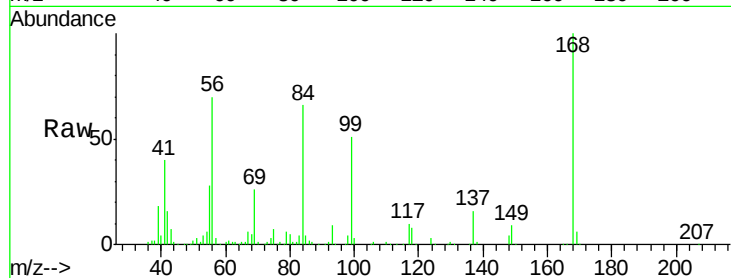
99 50.5 40.6 61.0

Manual Integrations

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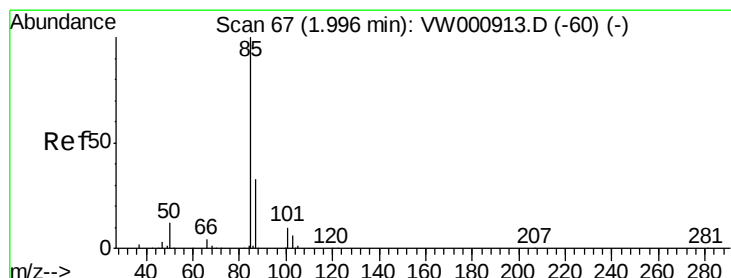
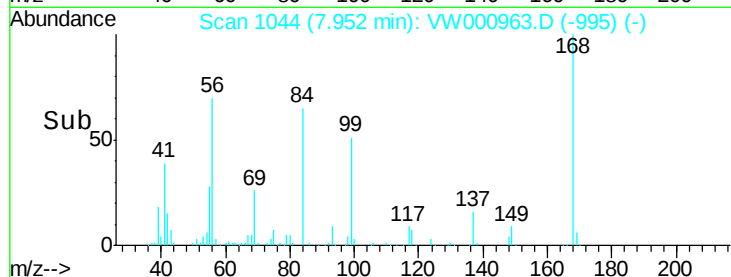
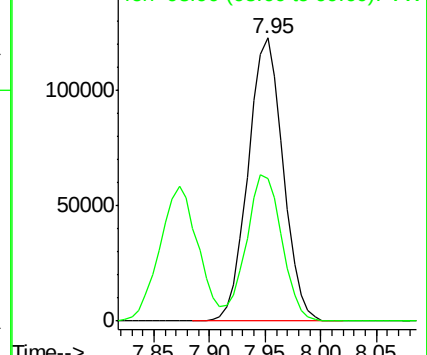
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.79 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000963.D

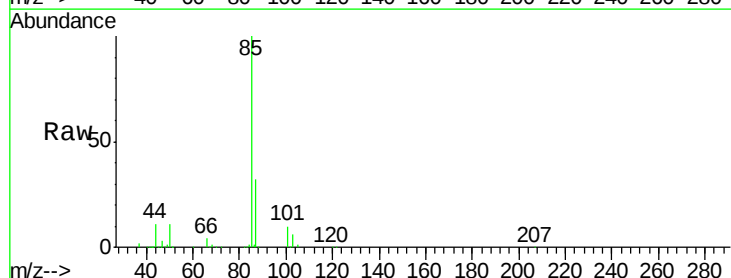
Acq: 24 Jan 2018 22:21

Tgt Ion: 85 Resp: 133958

Ion Ratio Lower Upper

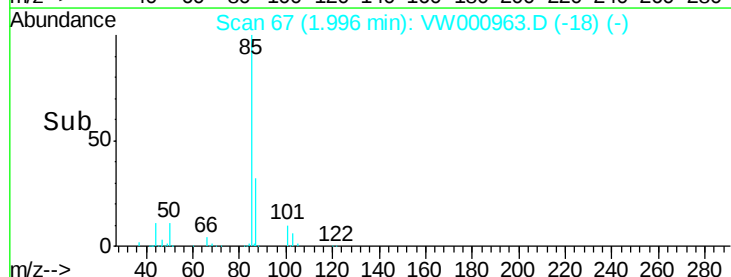
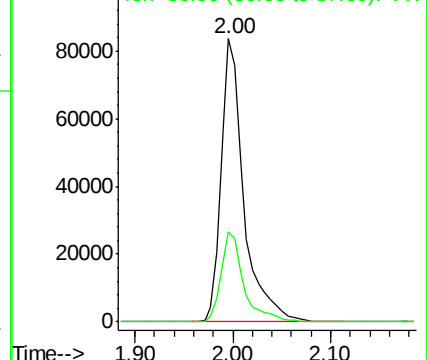
85 100

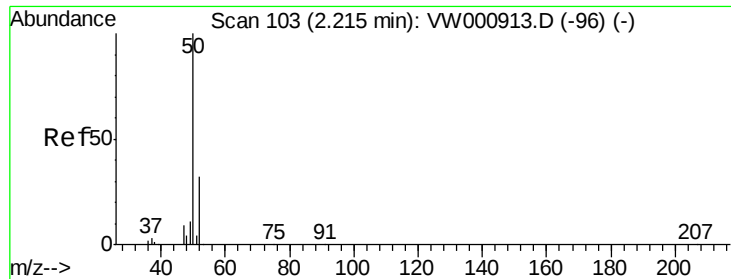
87 31.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.77 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111475

Ion Ratio Lower Upper

50 100

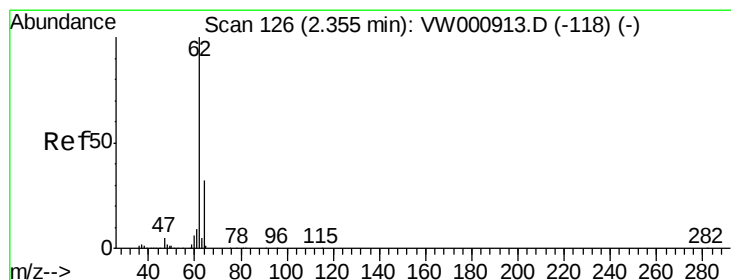
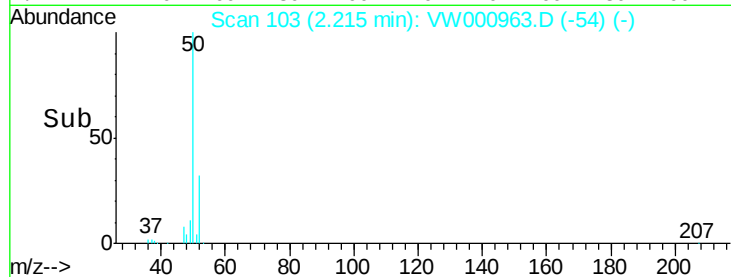
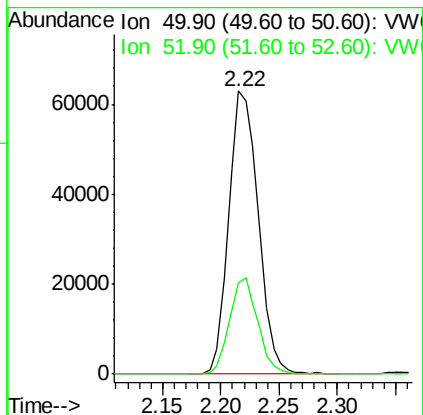
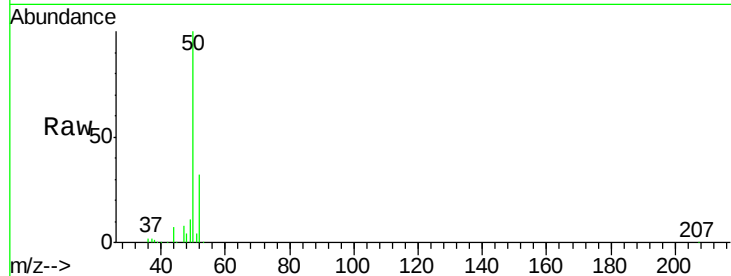
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.79 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000963.D

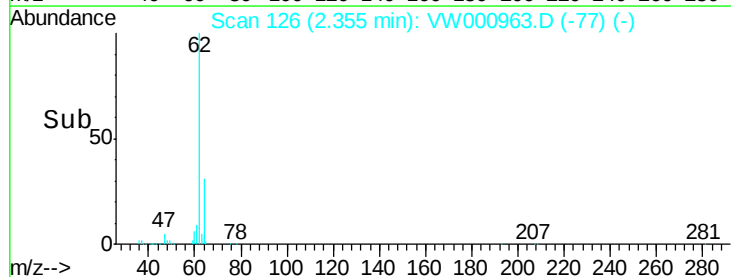
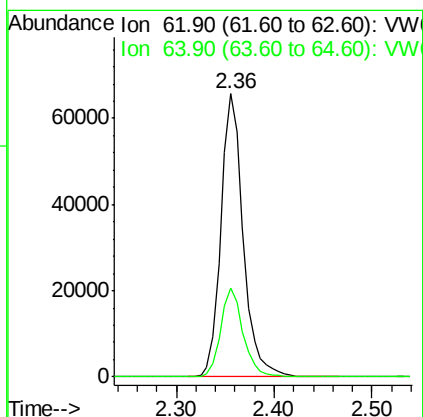
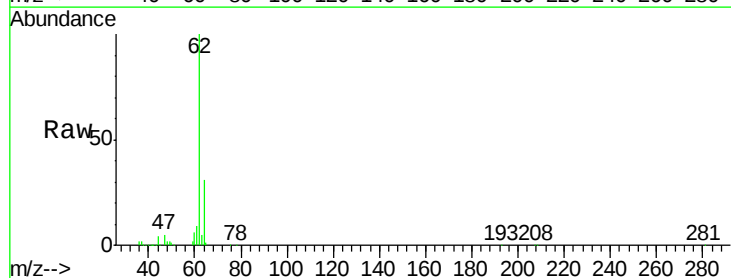
Acq: 24 Jan 2018 22:21

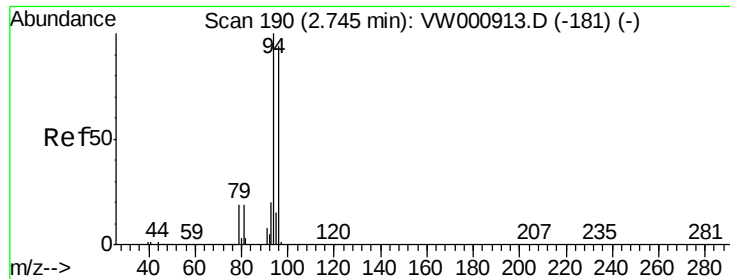
Tgt Ion: 62 Resp: 103731

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 50.66 ug/l

RT: 2.75 min Scan# 190

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70636

Ion Ratio Lower Upper

94 100

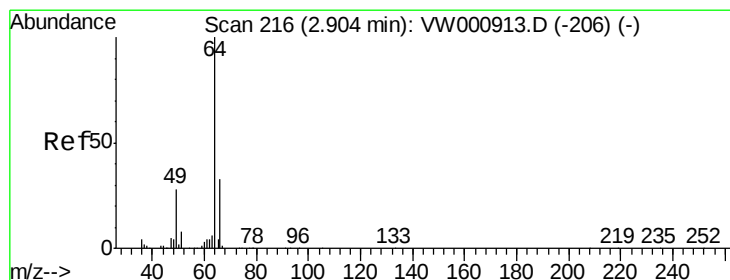
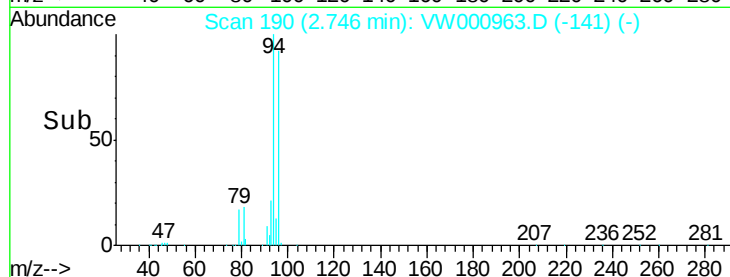
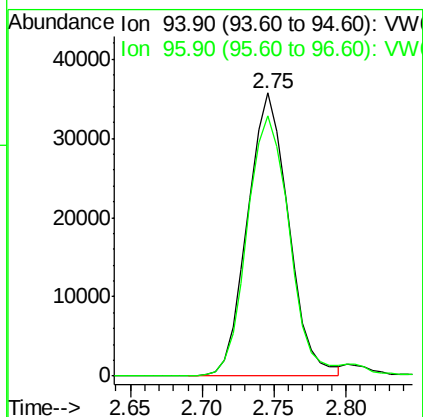
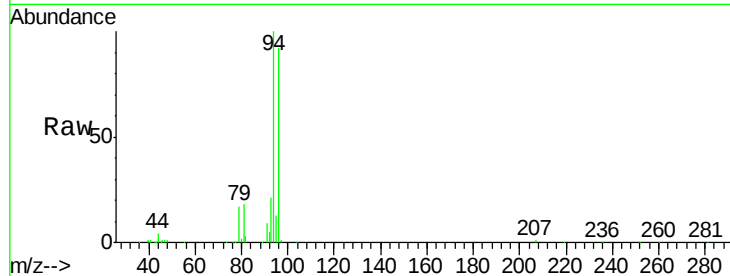
96 91.9 75.5 113.3

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#6

Chloroethane

Concen: 47.69 ug/l

RT: 2.90 min Scan# 216

Delta R.T. 0.00 min

Lab File: VW000963.D

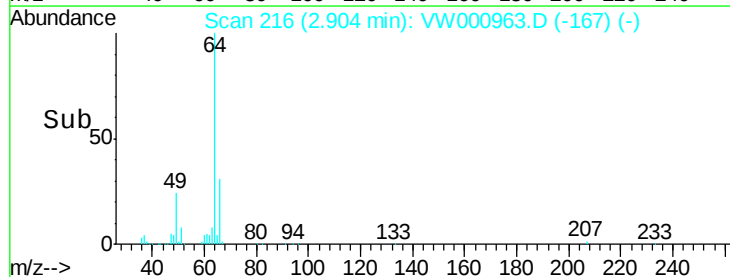
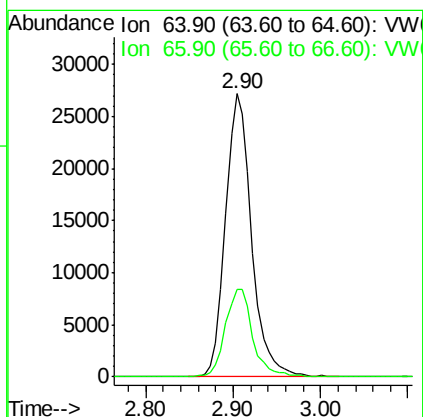
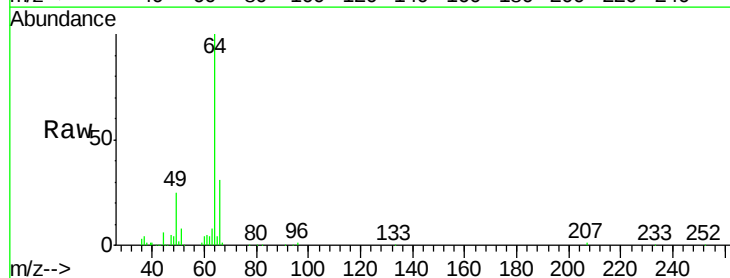
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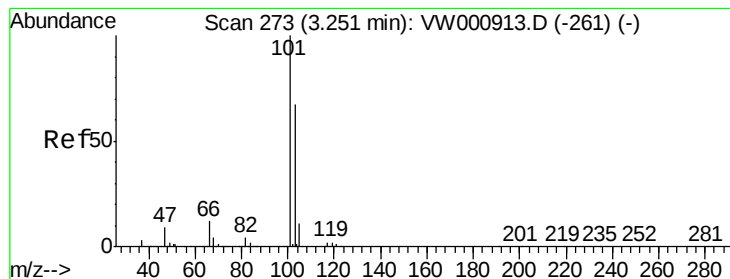
Tgt Ion: 64 Resp: 56338

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1





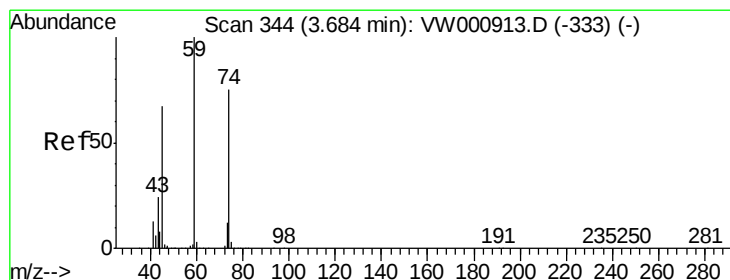
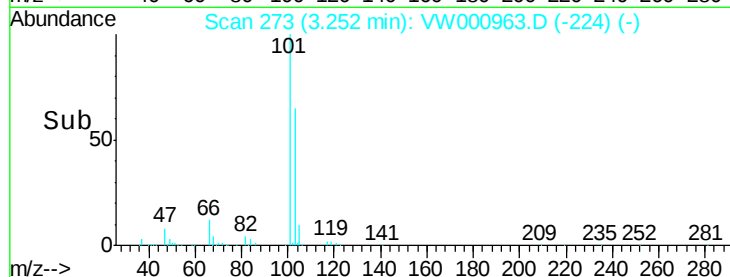
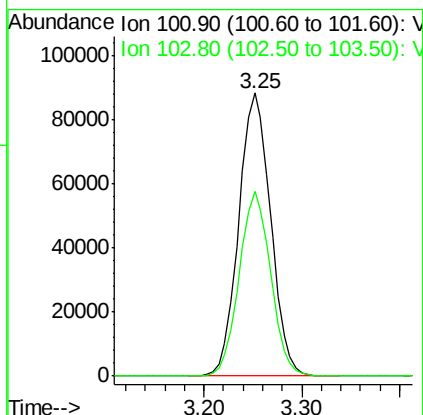
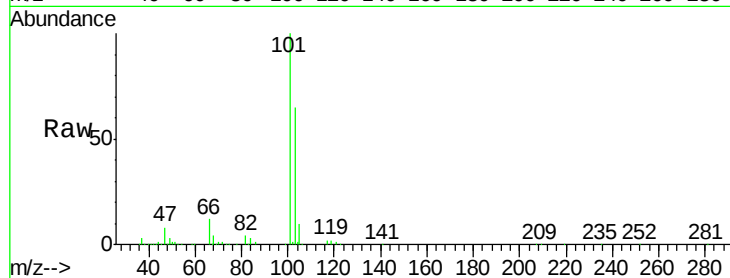
#7
 Trichlorofluoromethane
 Concen: 51.26 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.4	80.0

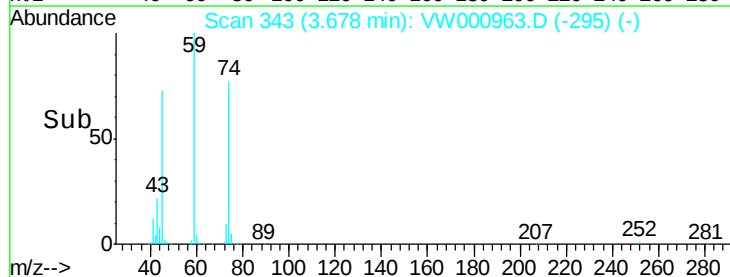
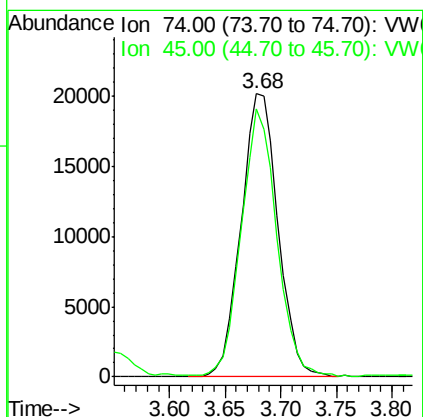
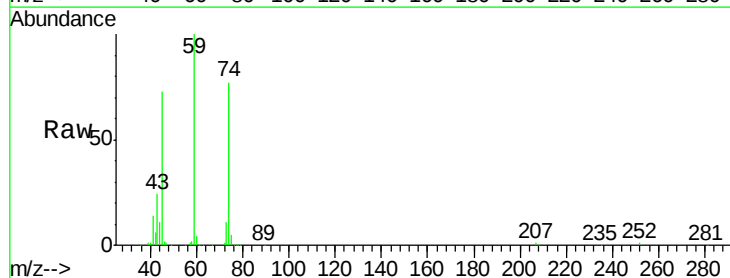
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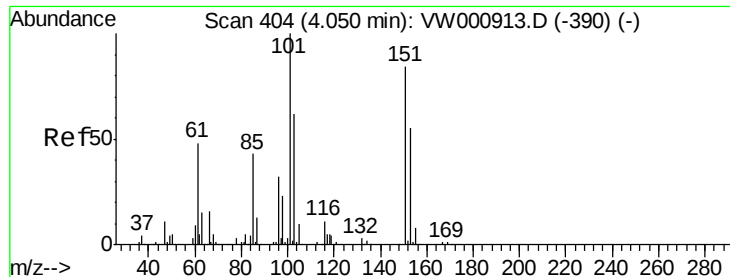
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 1/25/2018 1:34:00 PM



#8
 Diethyl Ether
 Concen: 47.41 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VW000963.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.31 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

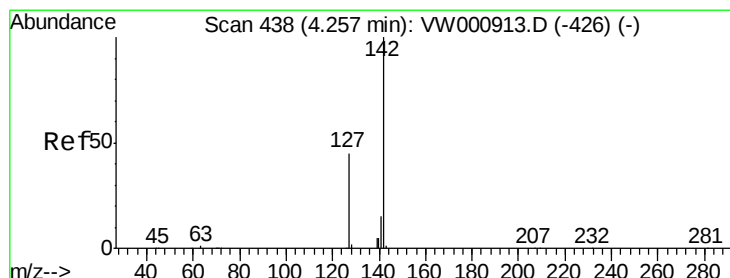
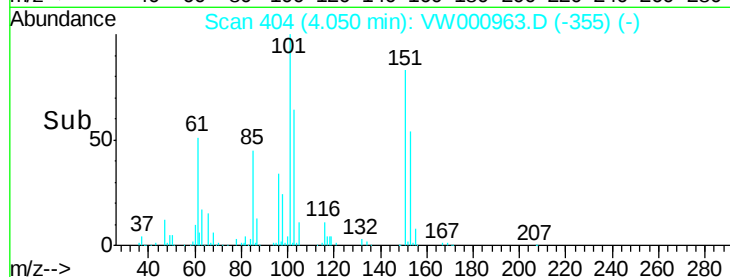
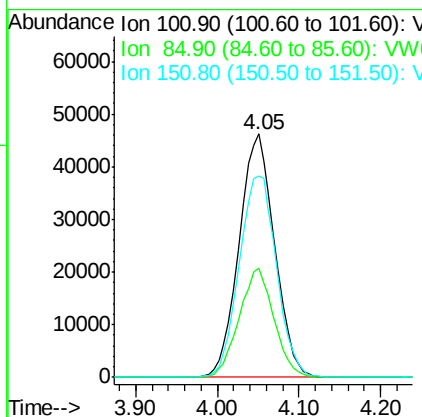
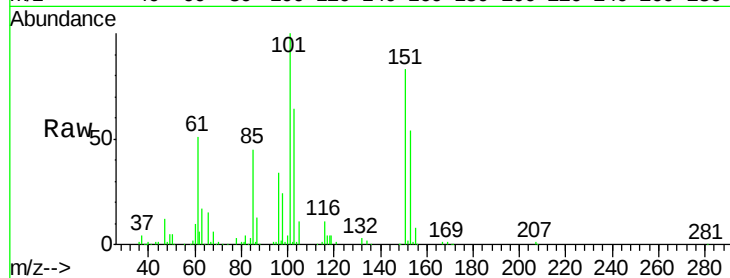
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	139872
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.3	52.9
151	87.1	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 44.96 ug/l

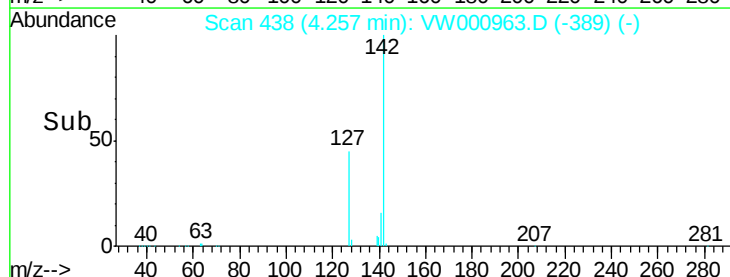
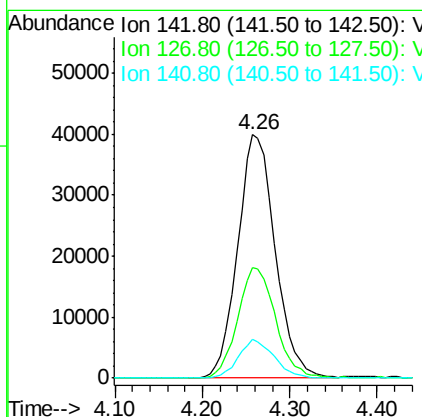
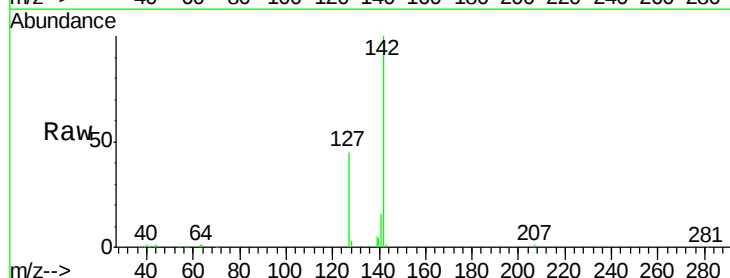
RT: 4.26 min Scan# 438

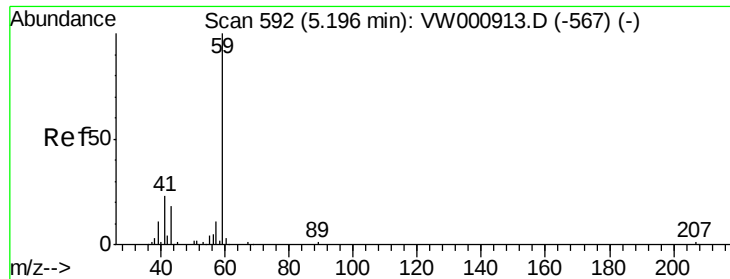
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	142	Resp:	119092
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.5	53.3
141	15.1	11.7	17.5





#11

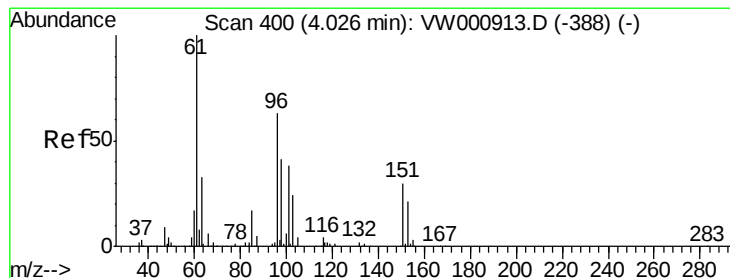
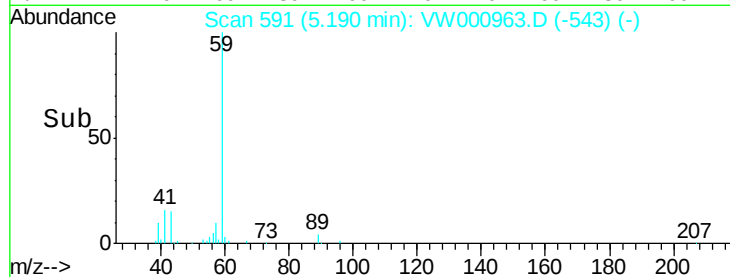
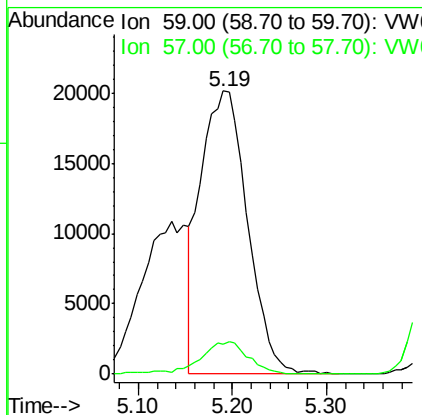
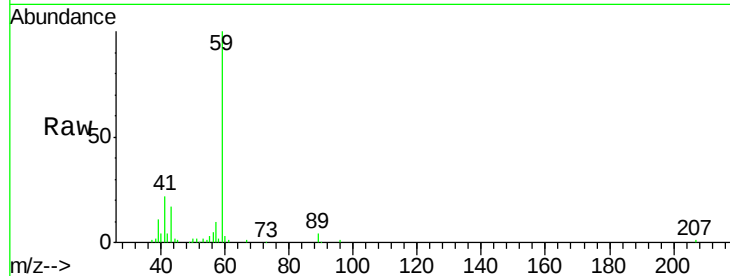
Tert butyl alcohol
Concen: 247.69 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	7.0	10.6#

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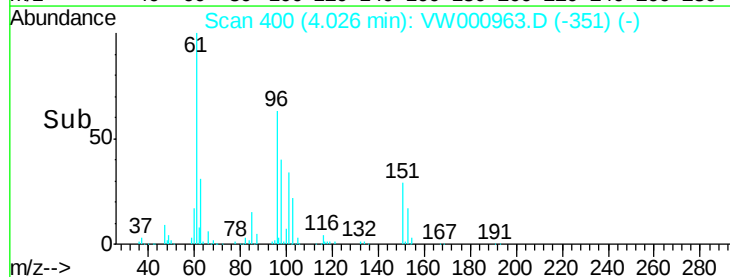
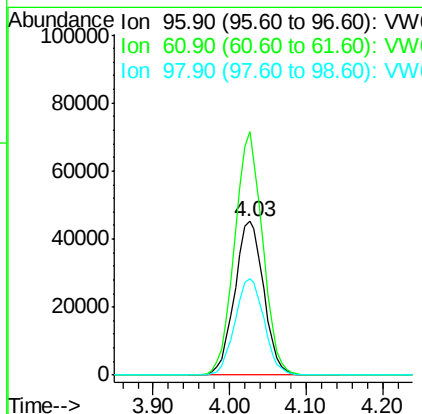
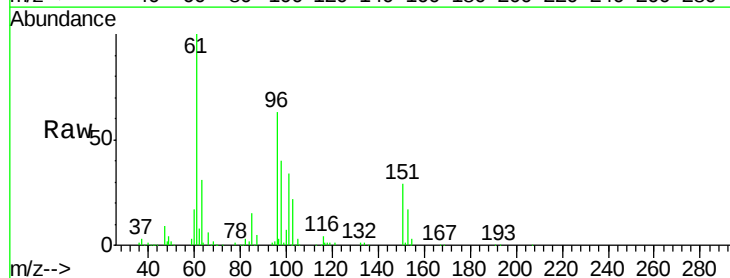
MMDadoda
1/25/2018 1:34:00 PM

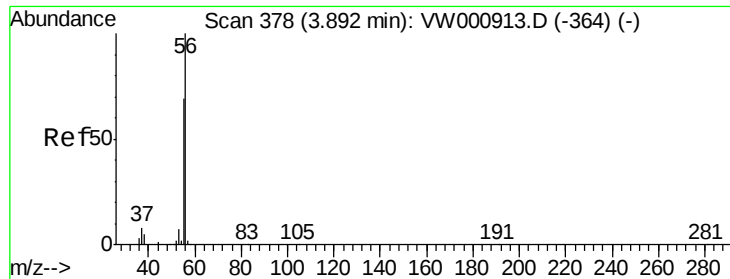


#12

1,1-Dichloroethene
Concen: 54.77 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.7	190.1
98	62.9	52.1	78.1





#13

Acrolein

Concen: 238.16 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 64831

Ion Ratio Lower Upper

56 100

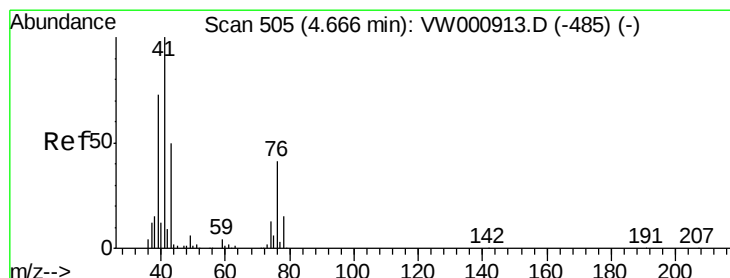
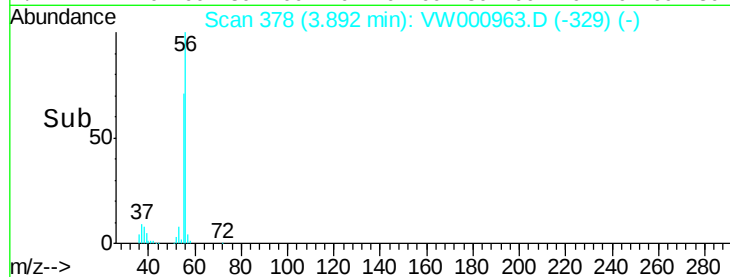
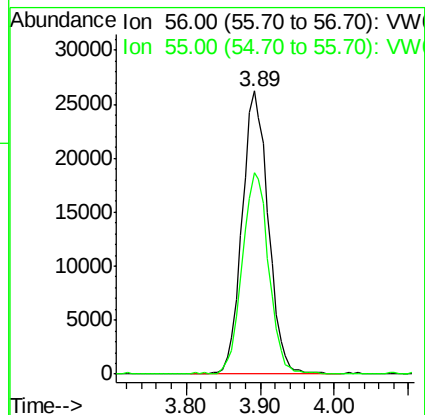
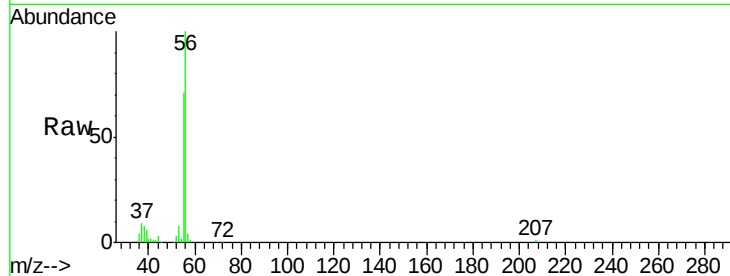
55 70.9 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.89 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

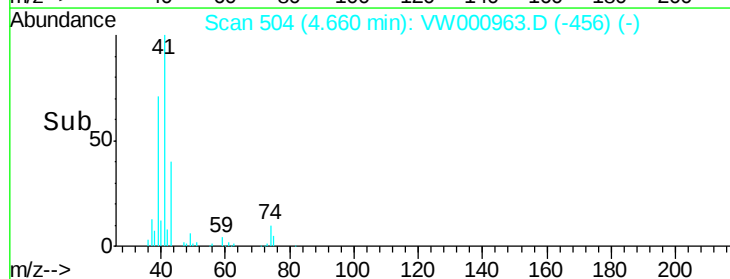
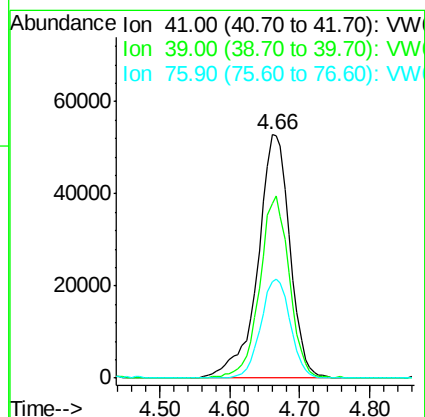
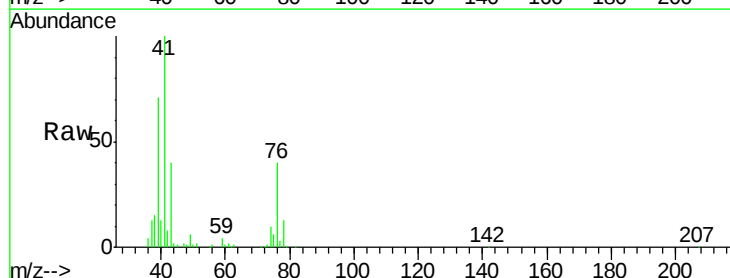
Tgt Ion: 41 Resp: 168965

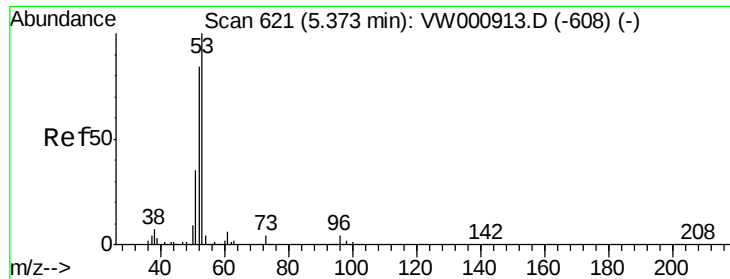
Ion Ratio Lower Upper

41 100

39 69.1 55.3 82.9

76 37.5 29.9 44.9





#15

Acrylonitrile

Concen: 259.46 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

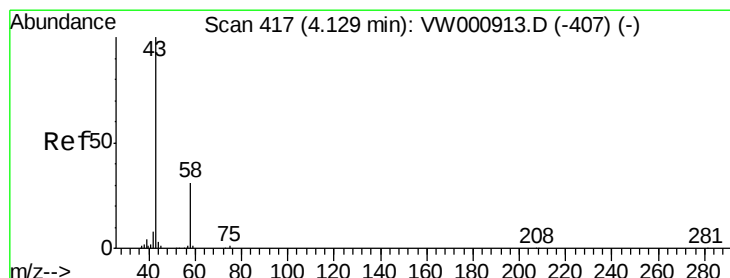
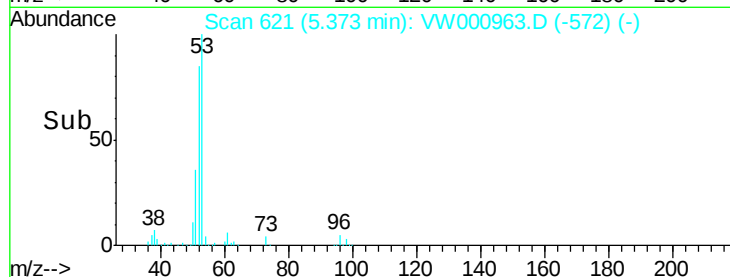
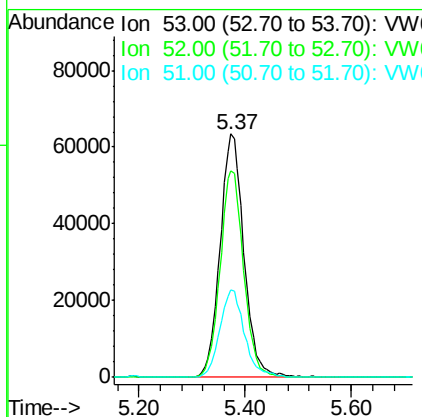
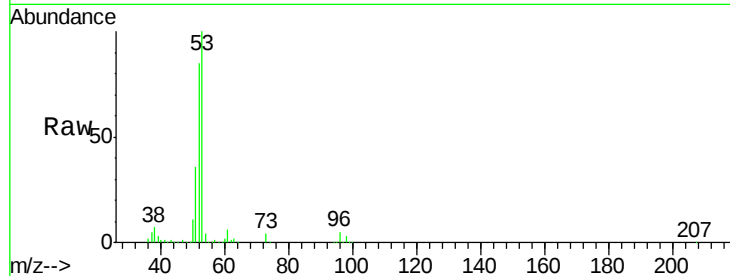
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	198733
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	99.8
51	37.3	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 216.76 ug/l

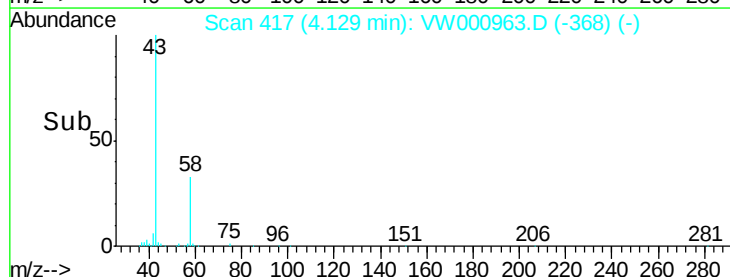
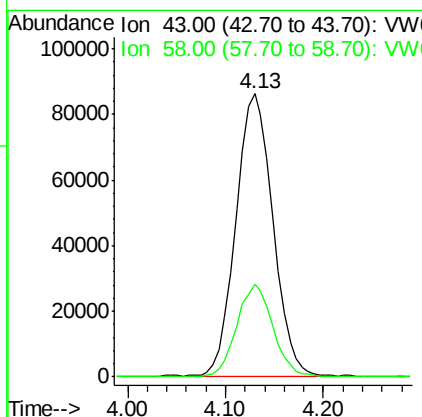
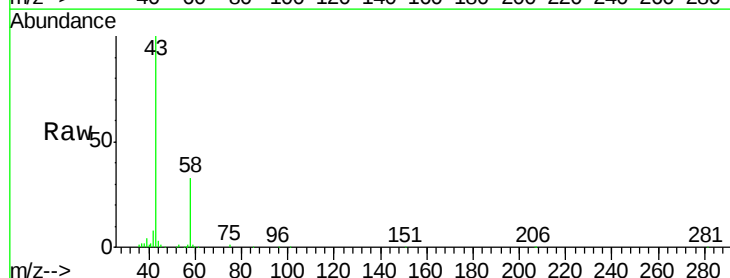
RT: 4.13 min Scan# 417

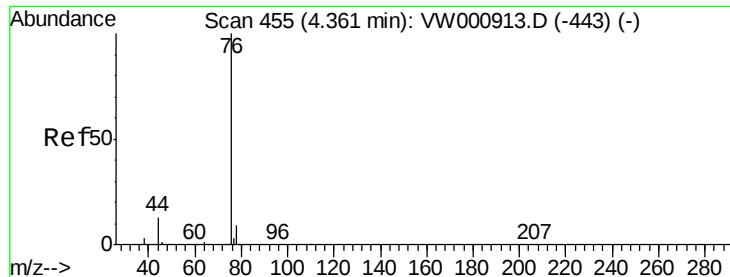
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	43	Resp:	225649
Ion Ratio	Lower	Upper	
43	100		
58	32.8	24.9	37.3





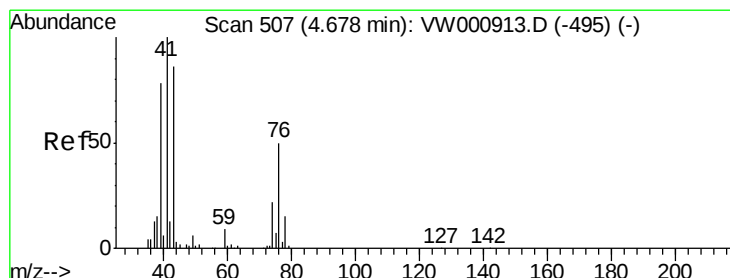
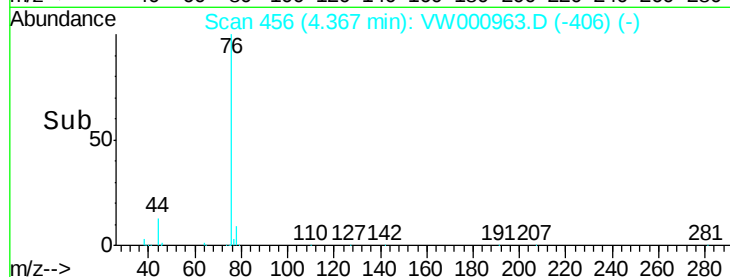
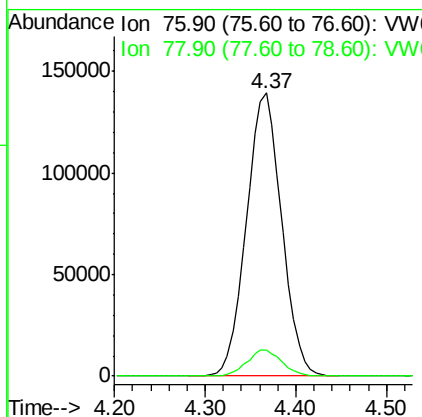
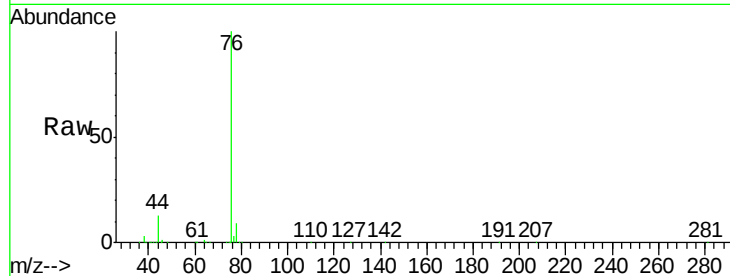
#17
Carbon Disulfide
Concen: 52.14 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

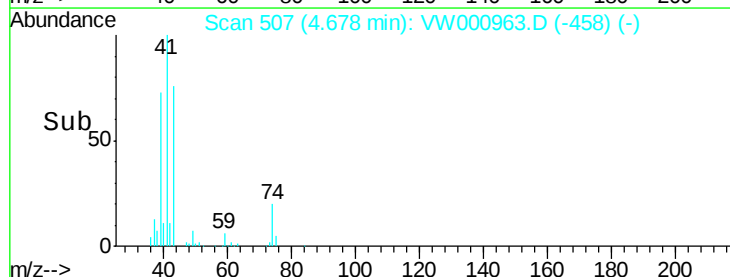
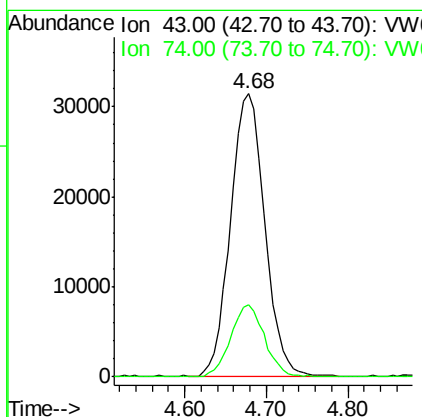
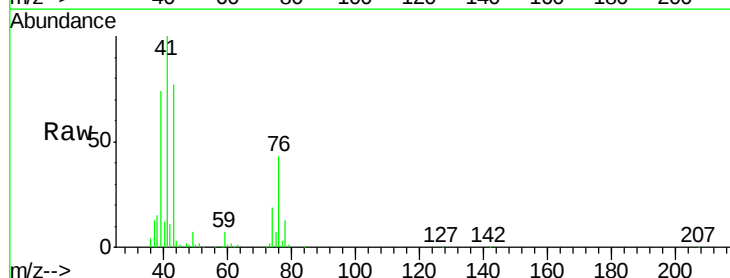
Manual Integrations
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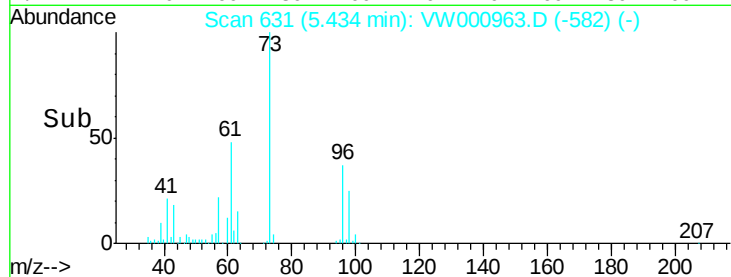
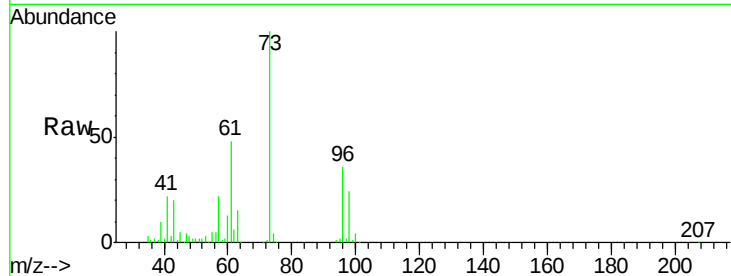
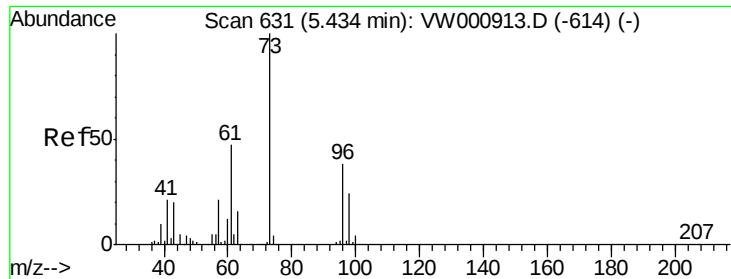
MMDadoda
1/25/2018 1:34:00 PM



#18
Methyl Acetate
Concen: 48.15 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.5	30.7





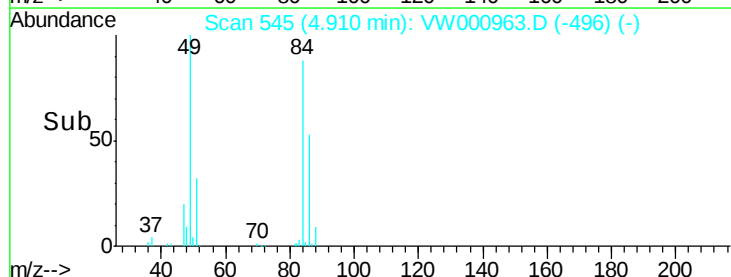
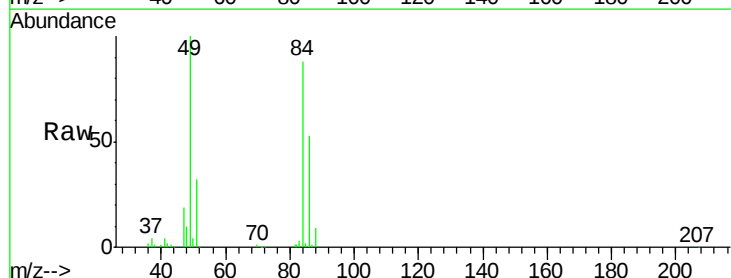
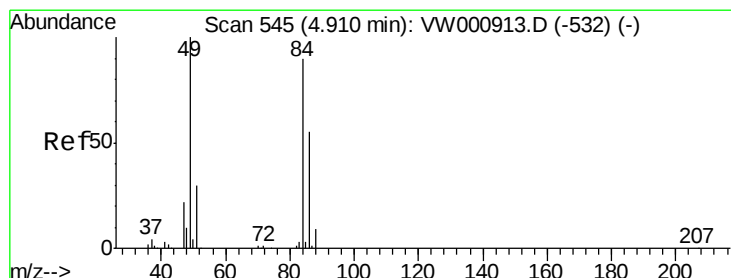
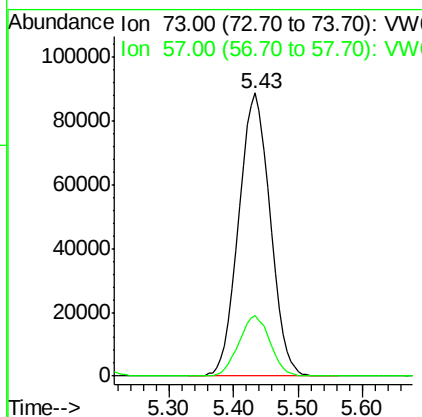
#19
Methvl tert-butvl Ether
Concen: 53.60 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tot Ion: 73 Resp: 299273
Ion Ratio Lower Upper
73 100
57 21.6 16.7 25.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

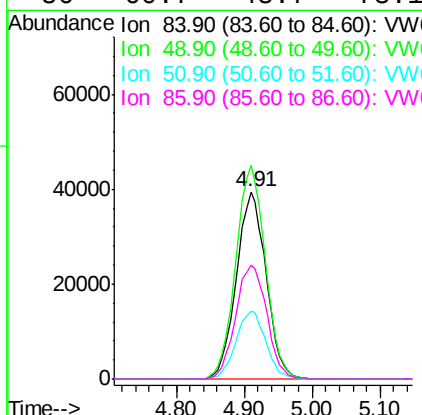
Manual Integrations
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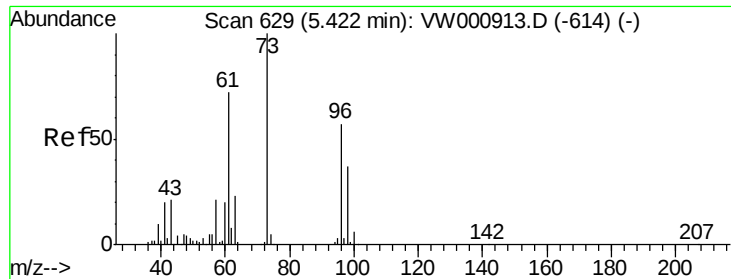
MMDadoda
1/25/2018 1:34:00 PM



#20
Methylene Chloride
Concen: 51.75 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion: 84 Resp: 119597
Ion Ratio Lower Upper
84 100
49 113.9 89.0 133.4
51 36.0 26.7 40.1
86 60.7 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 50.54 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

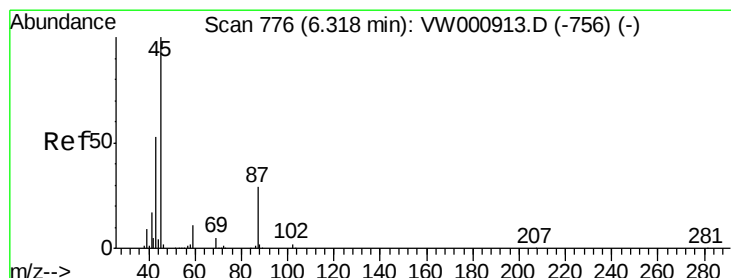
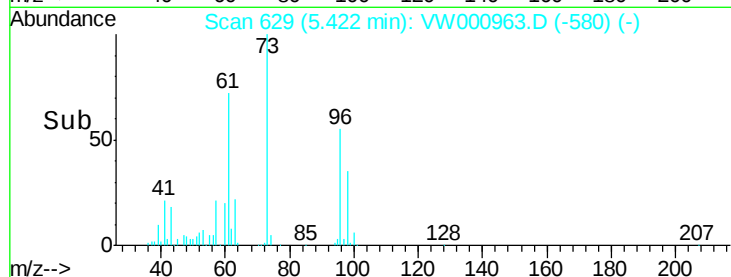
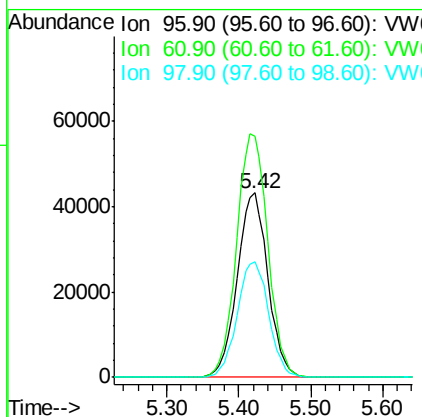
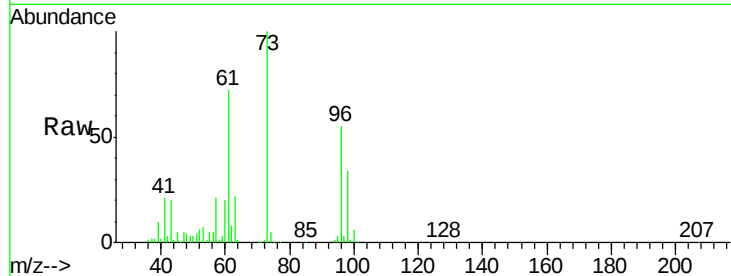
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	127636
Ion	Ratio	Lower	Upper
96	100		
61	130.8	101.1	151.7
98	62.9	52.2	78.2

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



#22

Diisopropyl ether

Concen: 53.62 ug/l

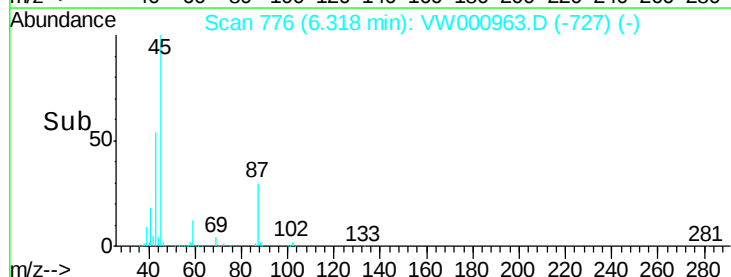
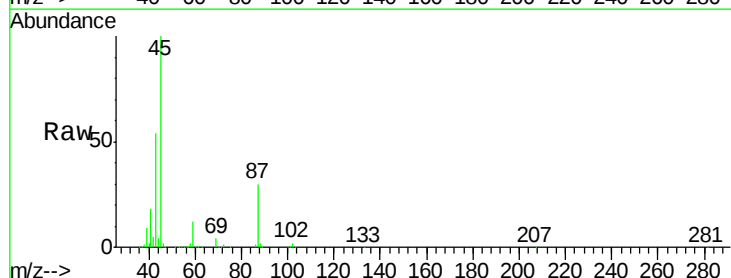
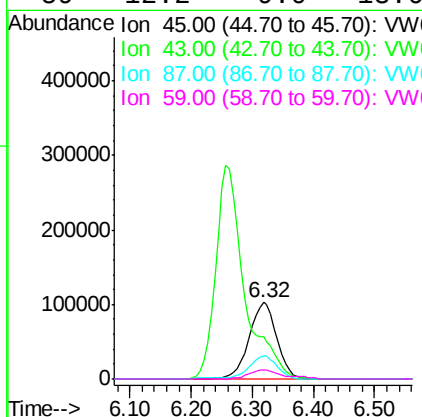
RT: 6.32 min Scan# 776

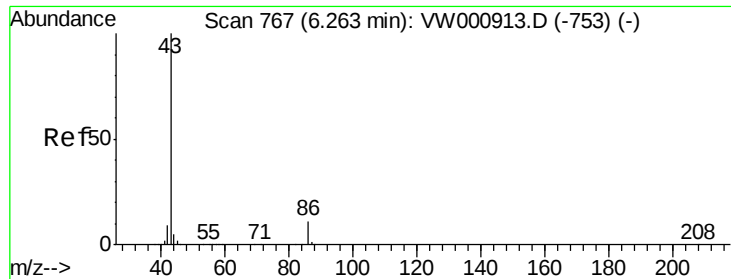
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	45	Resp:	325123
Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.7	64.1
87	30.1	23.8	35.8
59	12.2	9.0	13.6





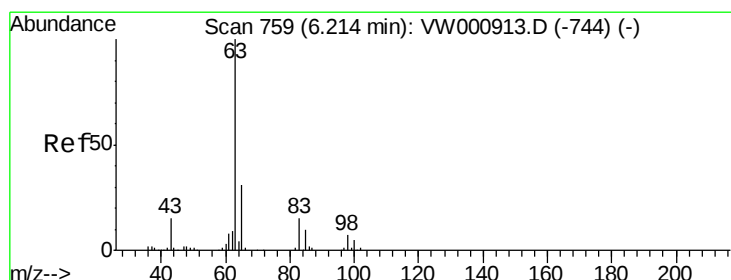
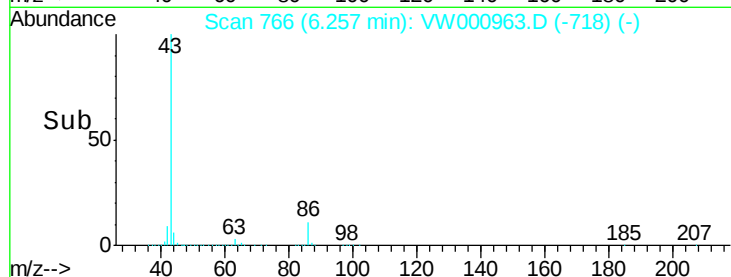
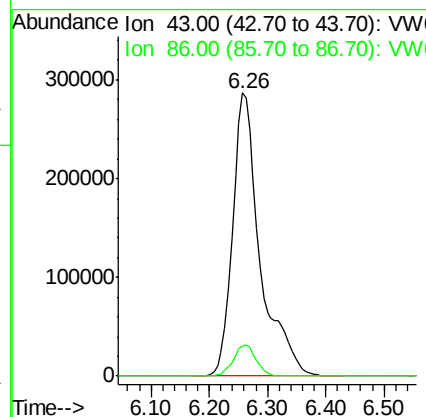
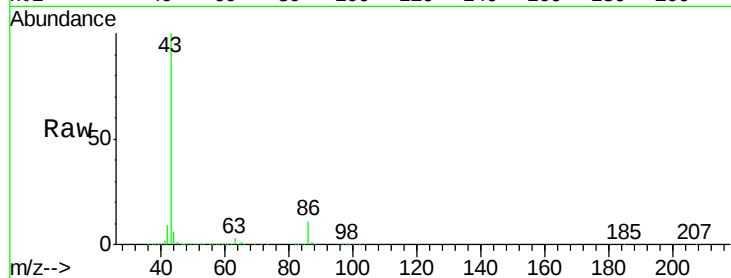
#23
 Vinyl Acetate
 Concen: 249.62 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	9.1	13.7

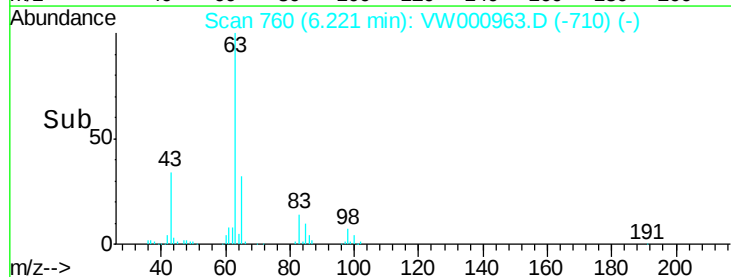
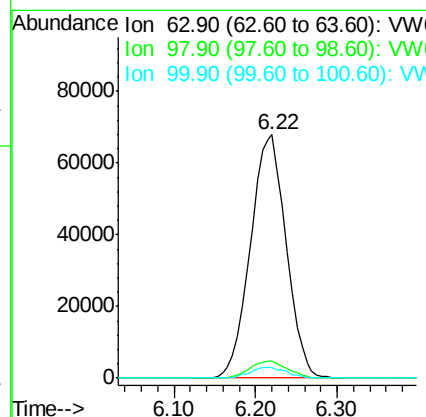
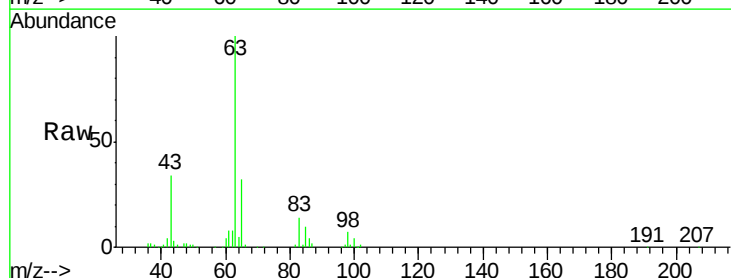
Manual Integrations
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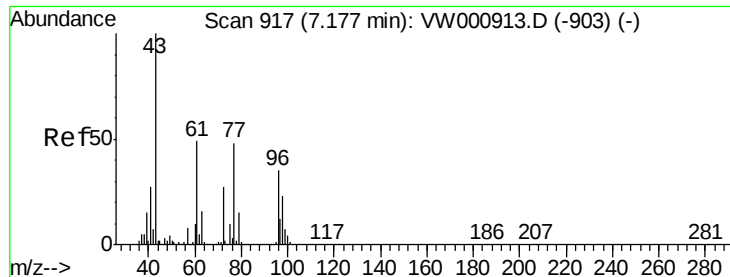
MMDadoda
 1/25/2018 1:34:00 PM



#24
 1,1-Dichloroethane
 Concen: 51.08 ug/l
 RT: 6.22 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.1	2.5	7.4





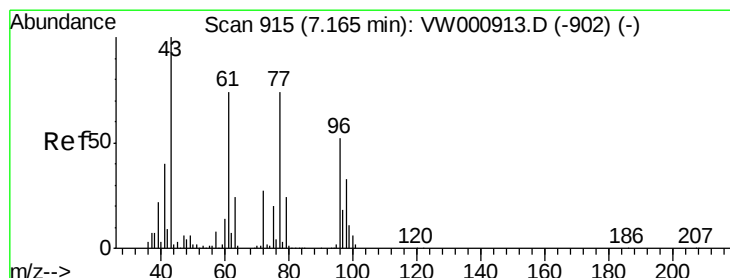
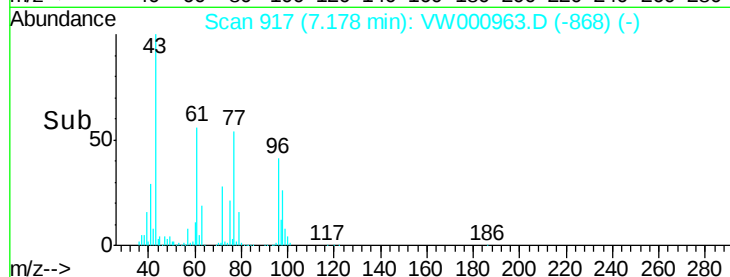
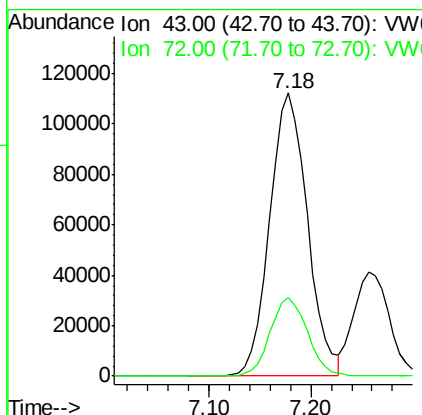
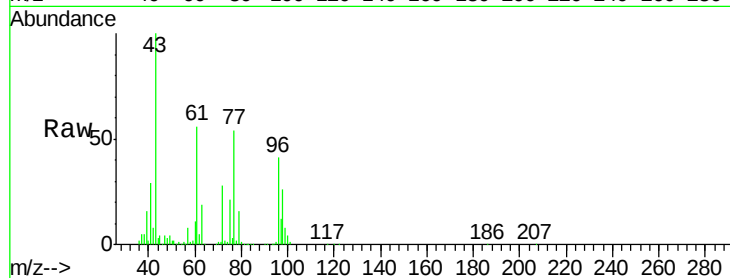
#25
2-Butanone
Concen: 253.36 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.5	32.3

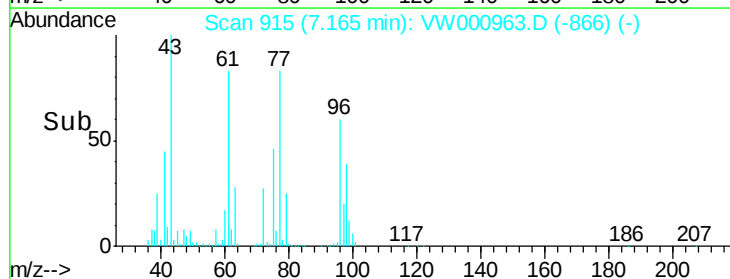
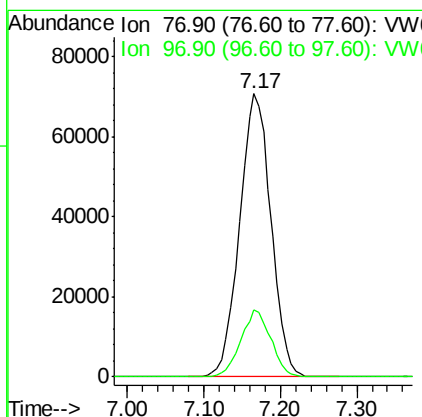
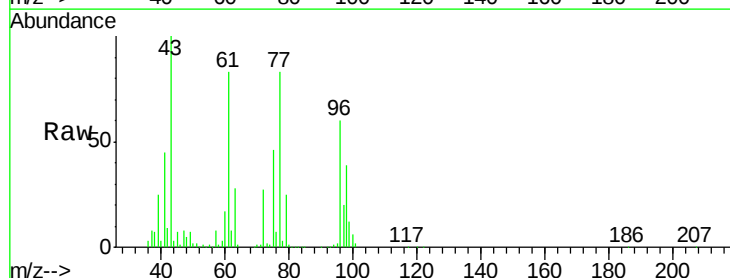
Manual Integrations
APPROVED

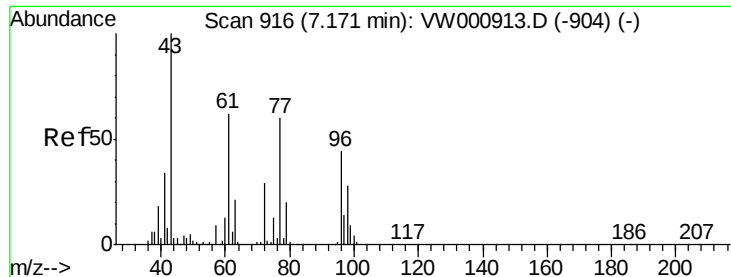
MMDadoda
1/25/2018 1:34:00 PM



#26
2,2-Dichloropropane
Concen: 48.90 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.8	35.3





#27

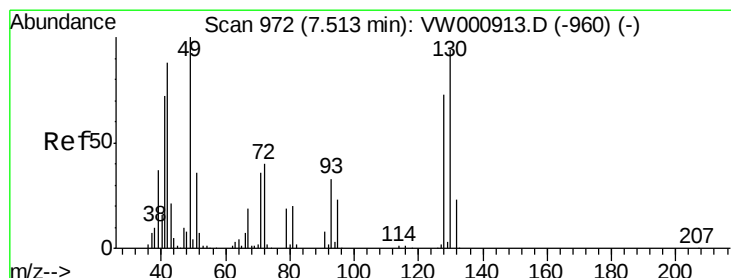
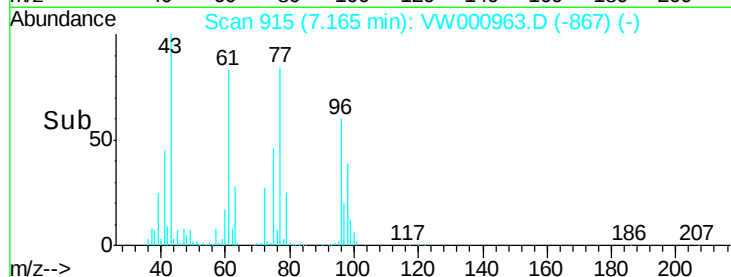
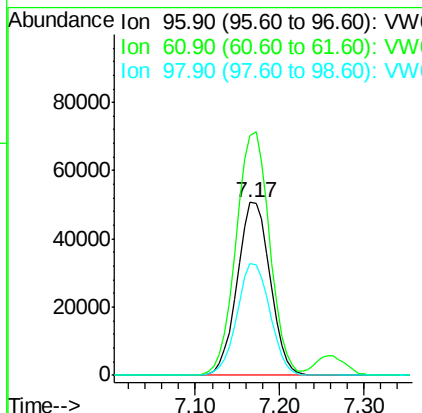
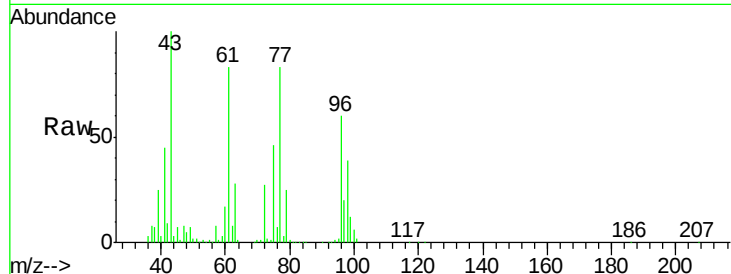
cis-1,2-Dichloroethene
Concen: 51.37 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	279.8
98	64.7	0.0	127.6

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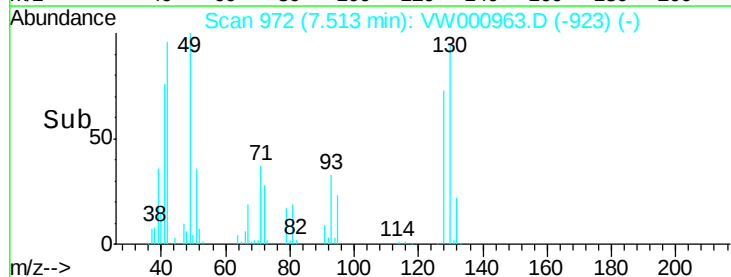
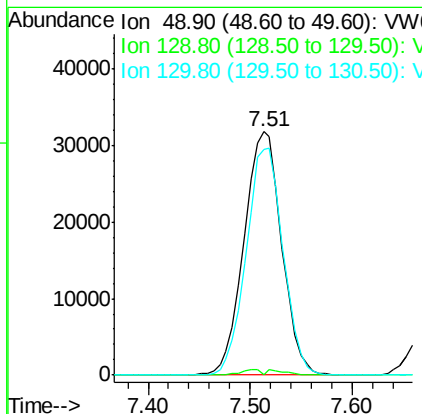
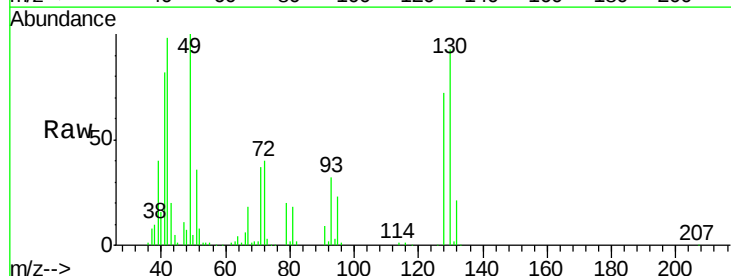
MMDadoda
1/25/2018 1:34:00 PM

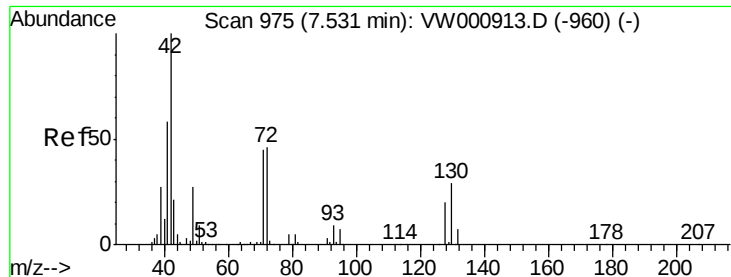


#28

Bromochloromethane
Concen: 47.93 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.8
130	91.3	73.8	110.6





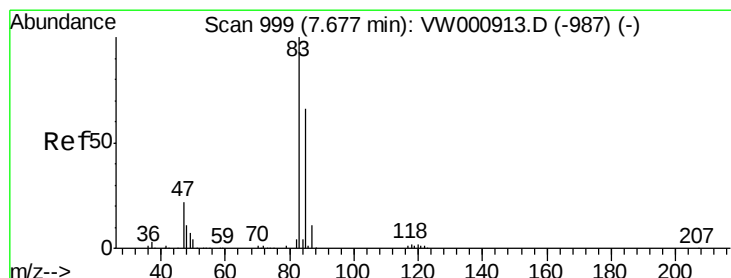
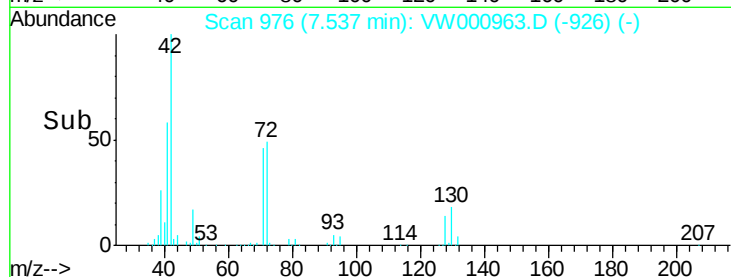
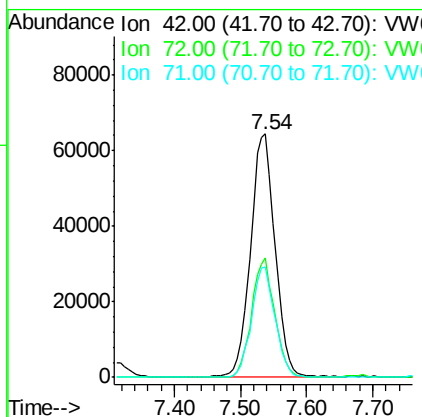
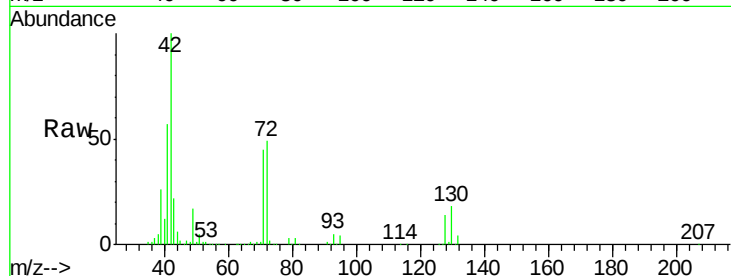
#29
Tetrahydrofuran
Concen: 267.81 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.1	55.7
71	43.2	34.9	52.3

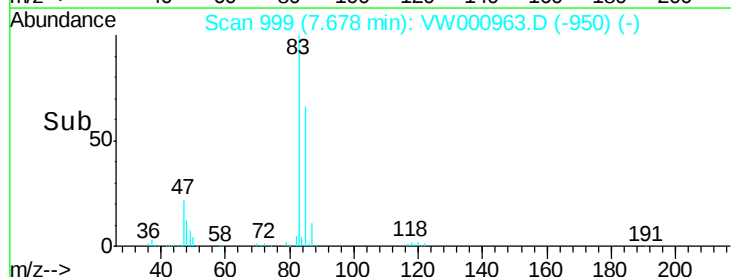
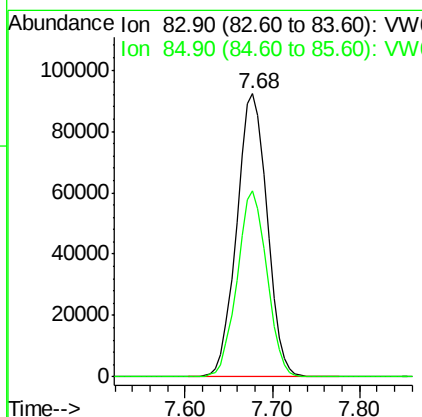
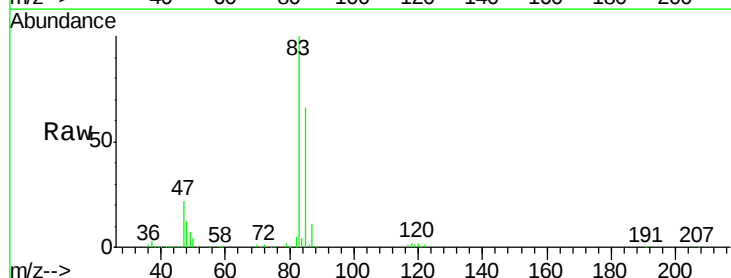
Manual Integrations
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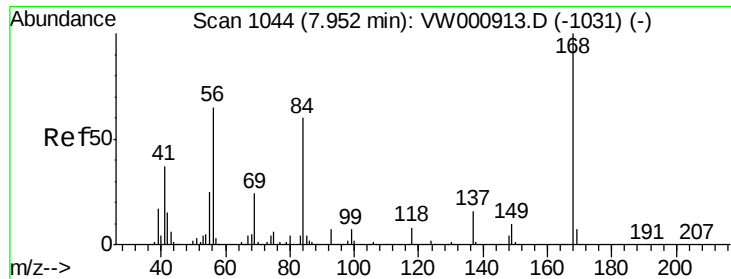
MMDadoda
1/25/2018 1:34:00 PM



#30
Chloroform
Concen: 50.98 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7





#31

Cyclohexane

Concen: 49.59 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

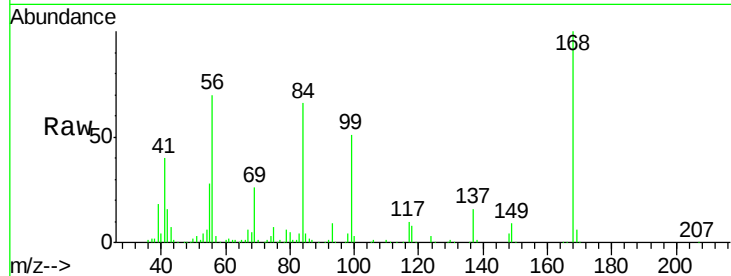
ClientSampleId :

VSTDCCC050

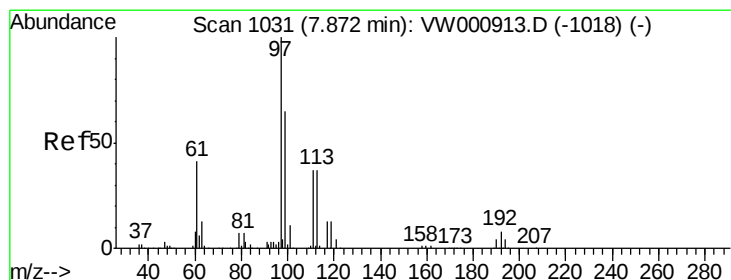
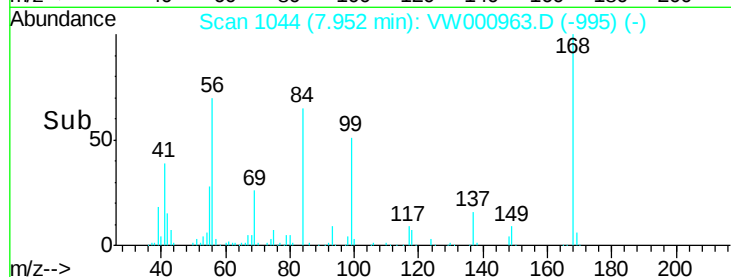
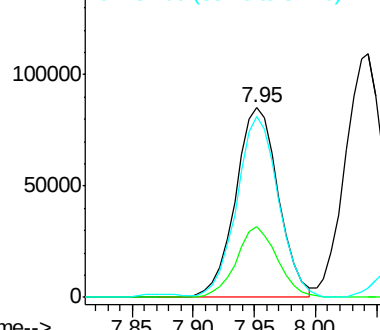
Tot Ion:	56	Resp:	207777
Ion	Ratio	Lower	Upper
56	100		
69	37.1	29.2	43.8
84	93.8	73.6	110.4

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 51.45 ug/l

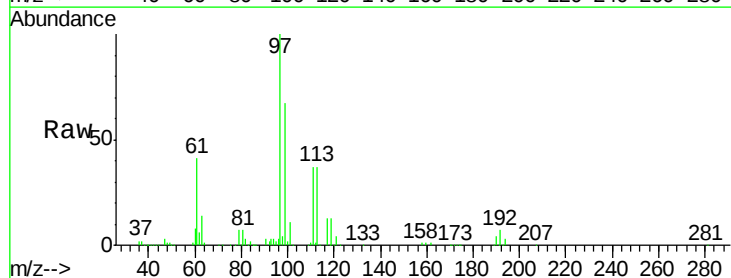
RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

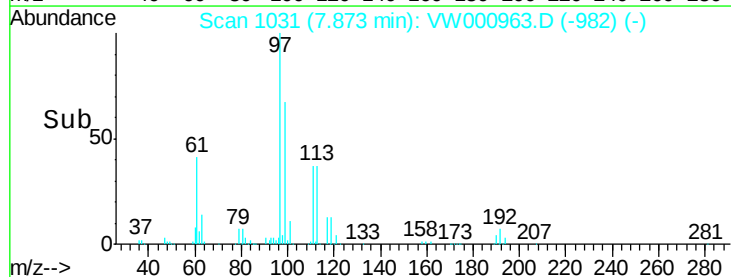
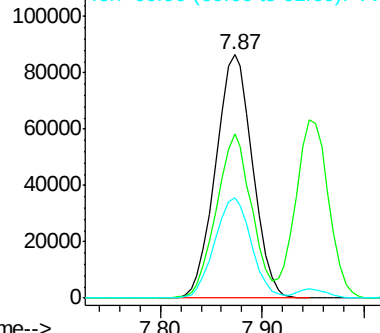
Lab File: VW000963.D

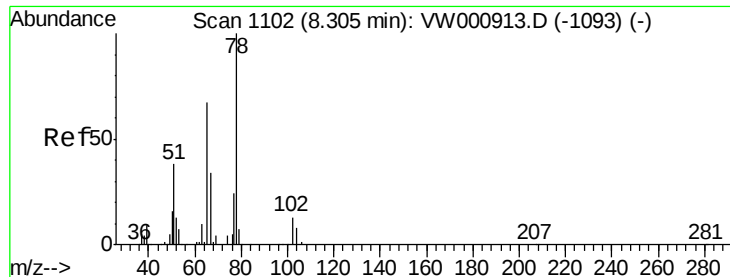
Acq: 24 Jan 2018 22:21

Tgt Ion:	97	Resp:	217657
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	41.0	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





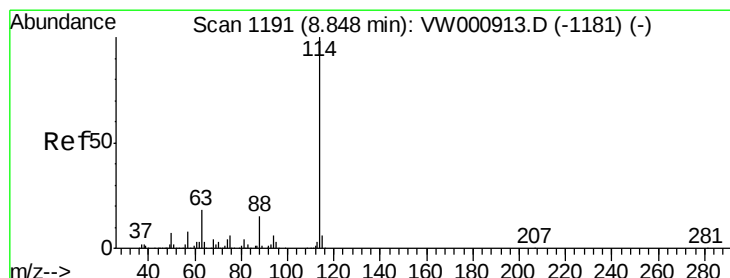
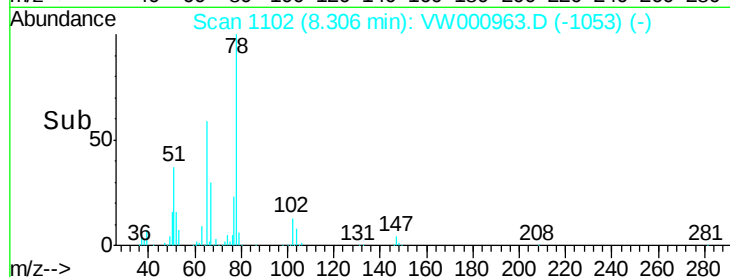
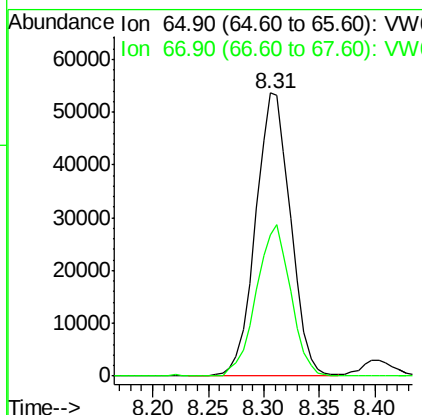
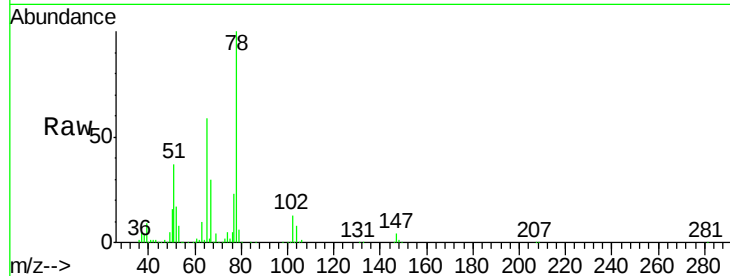
#33
 1,2-Dichloroethane-d4
 Concen: 45.60 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	105.8	

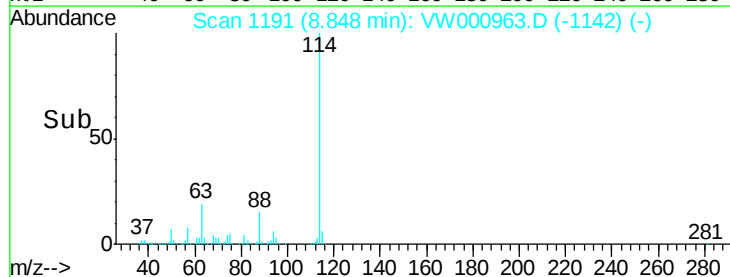
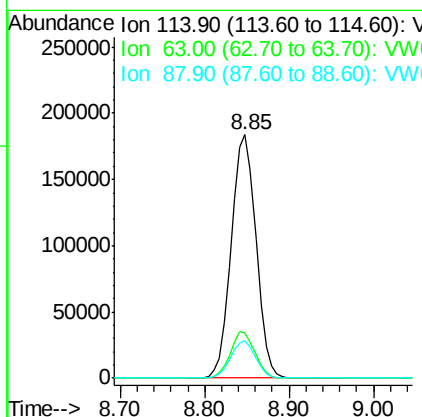
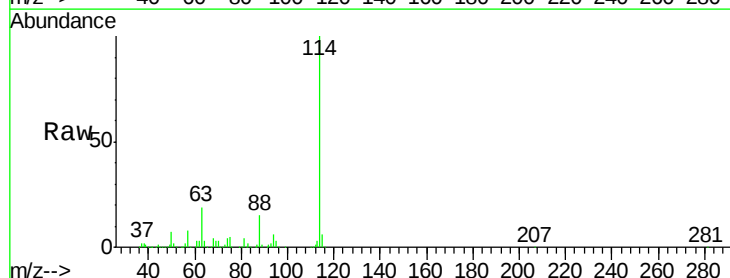
Manual Integrations
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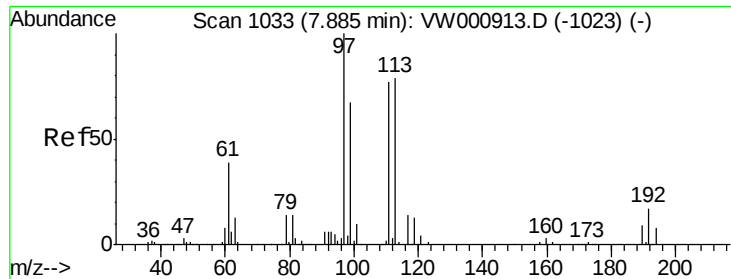
MMDadoda
 1/25/2018 1:34:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	36.8	
88	15.2	0.0	29.8	





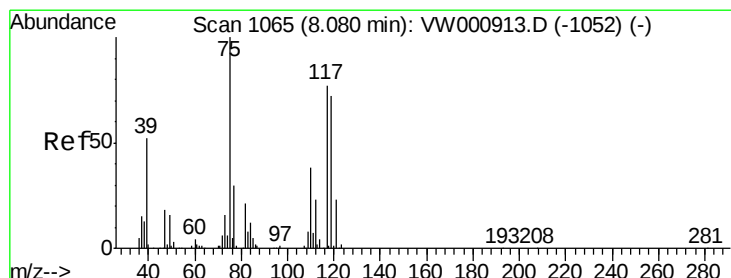
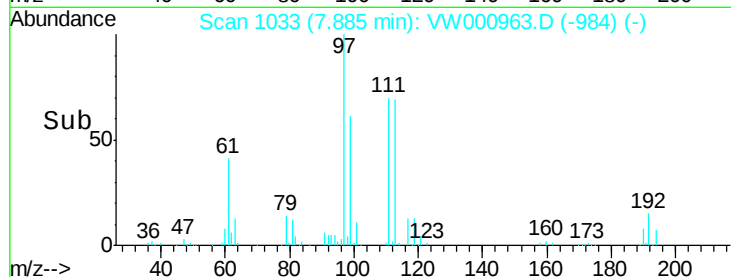
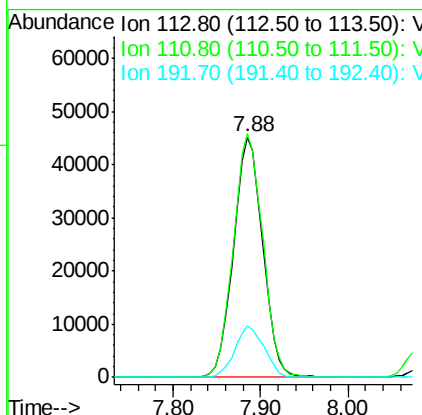
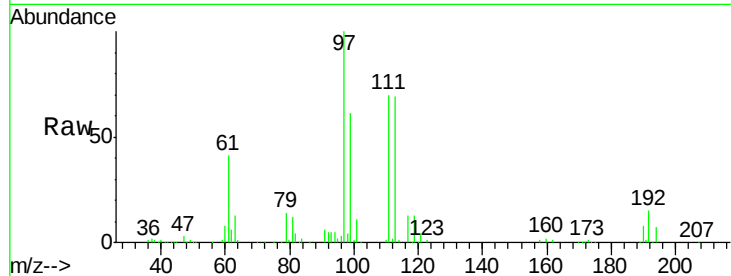
#35
 Dibromofluoromethane
 Concen: 46.86 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104608		
111	102.4	80.4	120.6	
192	21.4	17.0	25.4	

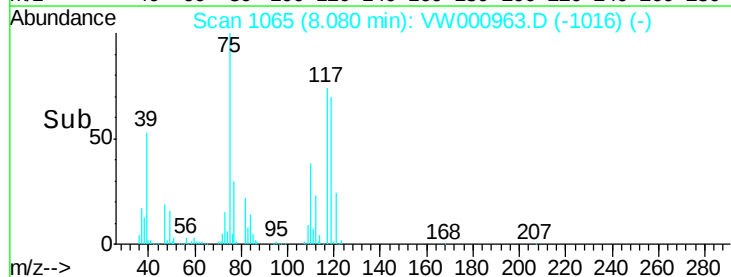
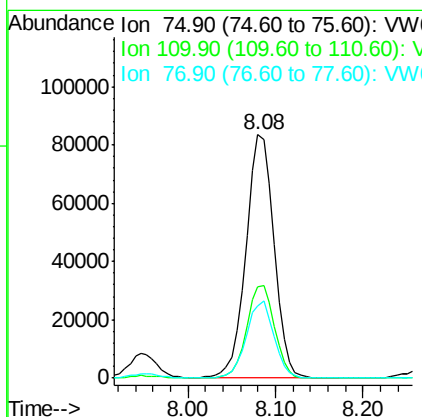
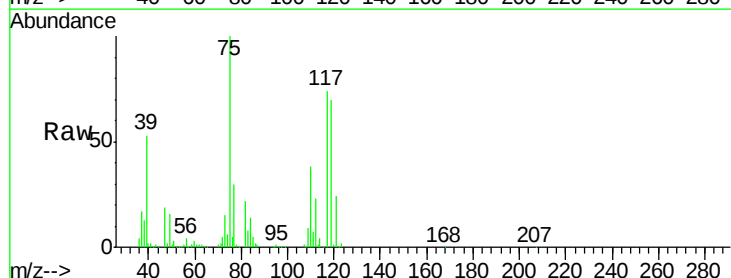
Manual Integrations
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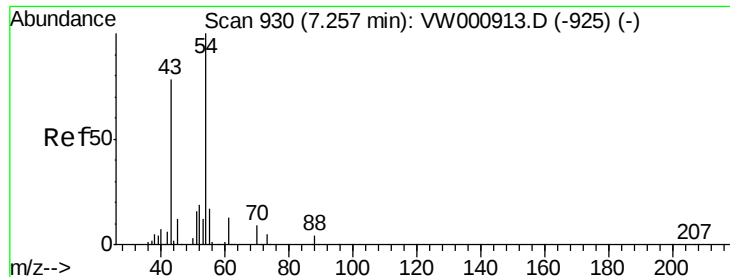
MMDadoda
 1/25/2018 1:34:00 PM



#36
 1,1-Dichloropropene
 Concen: 53.22 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185051		
110	37.9	18.6	56.0	
77	31.6	24.6	36.8	





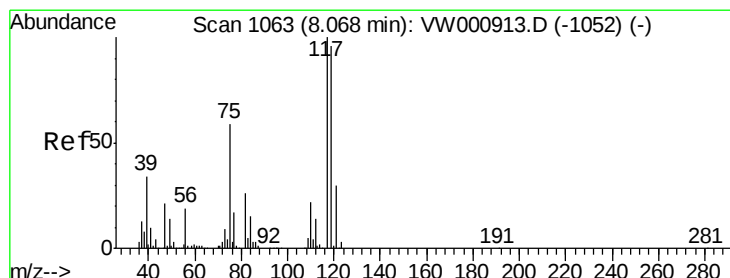
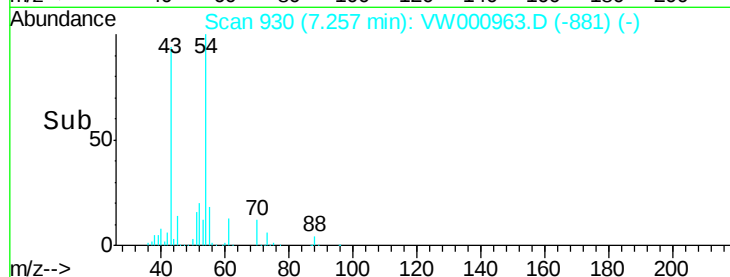
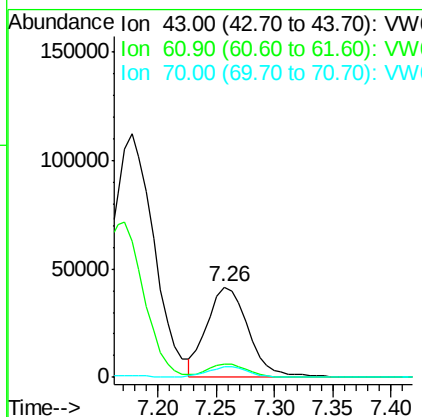
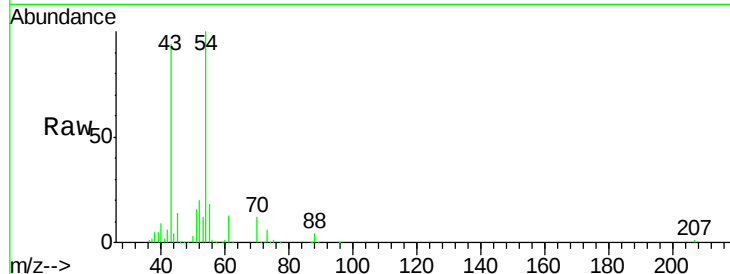
#37
Ethyl Acetate
Concen: 51.79 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.1	18.1
70	11.7	9.1	13.7

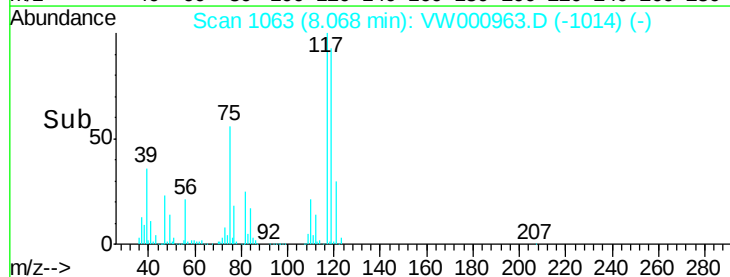
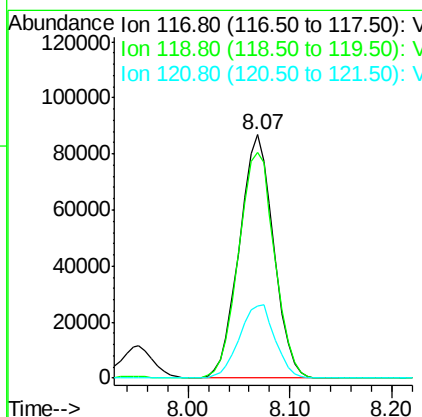
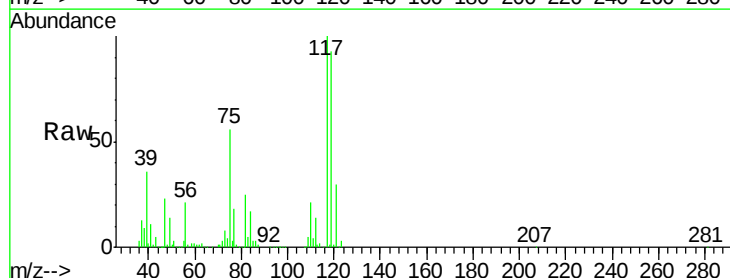
Manual Integrations
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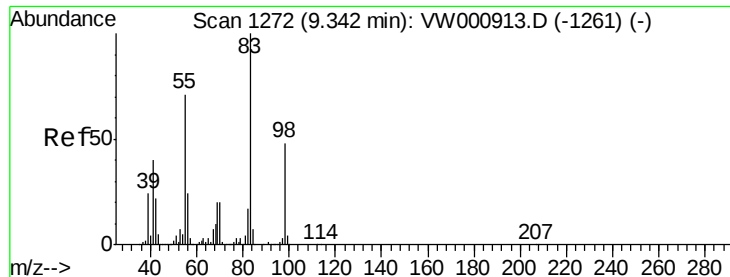
MMDadoda
1/25/2018 1:34:00 PM



#38
Carbon Tetrachloride
Concen: 52.86 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.5	114.7
121	29.6	24.3	36.5





#39

Methvlcvclohexane

Concen: 54.46 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

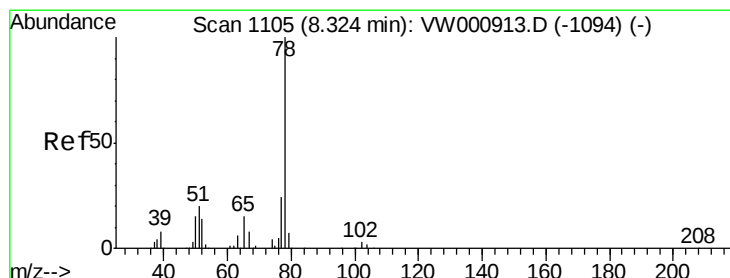
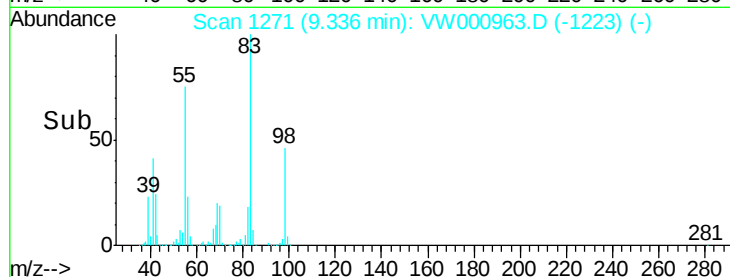
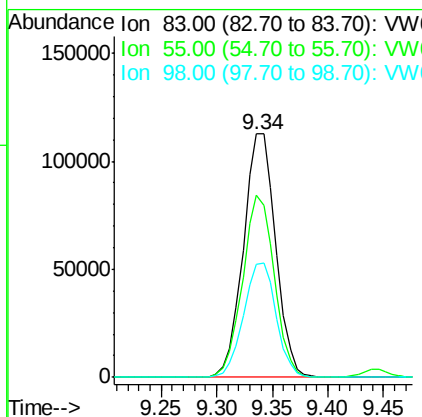
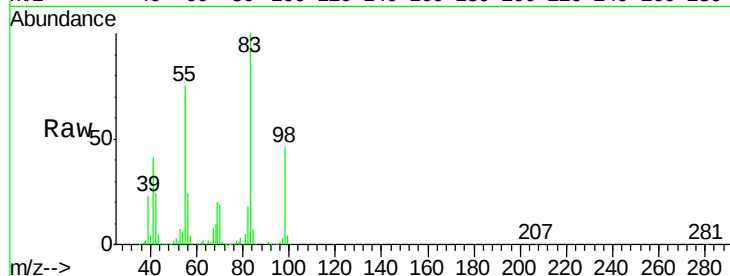
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	228057
Ion Ratio	Lower	Upper	
83	100		
55	74.6	56.4	84.6
98	46.4	38.2	57.4

Manual Integrations
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#40

Benzene

Concen: 52.56 ug/l

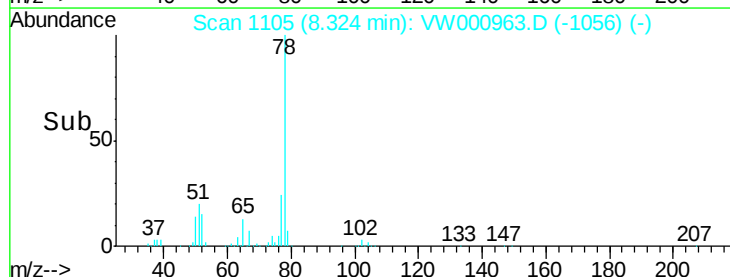
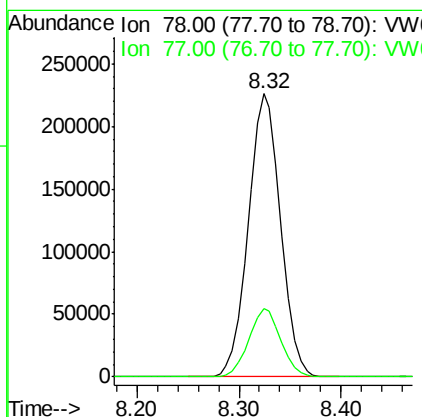
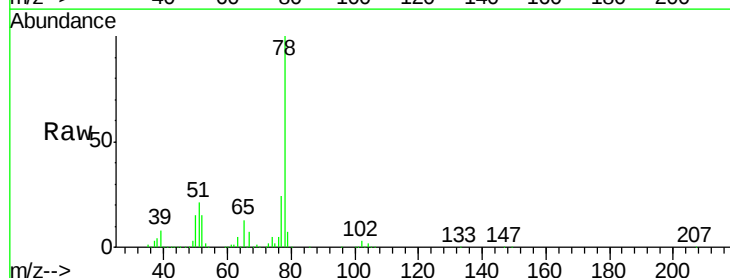
RT: 8.32 min Scan# 1105

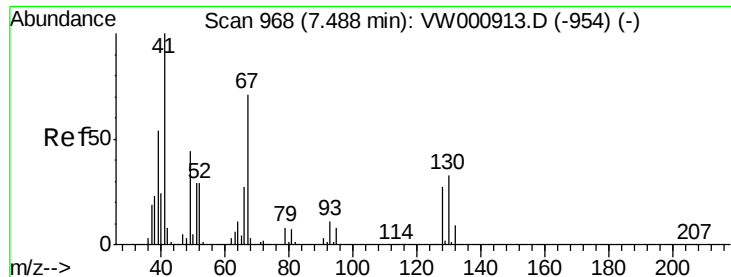
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	78	Resp:	496866
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.0	28.6





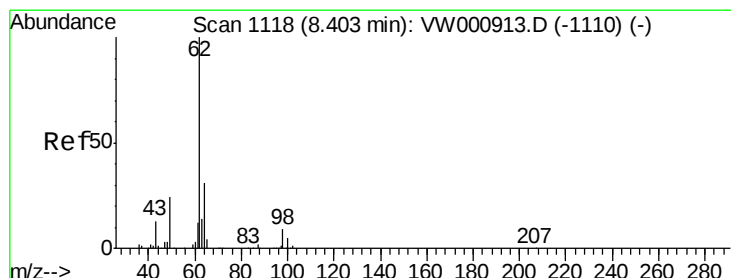
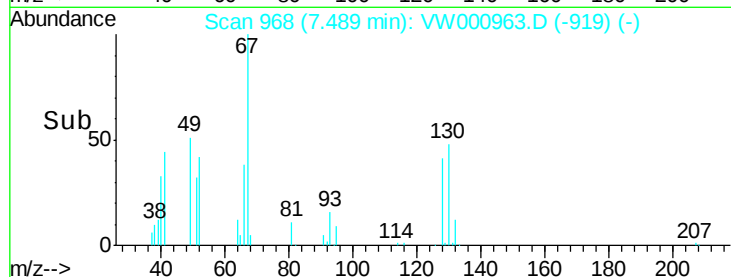
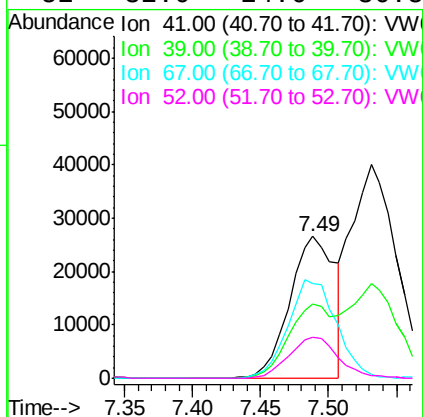
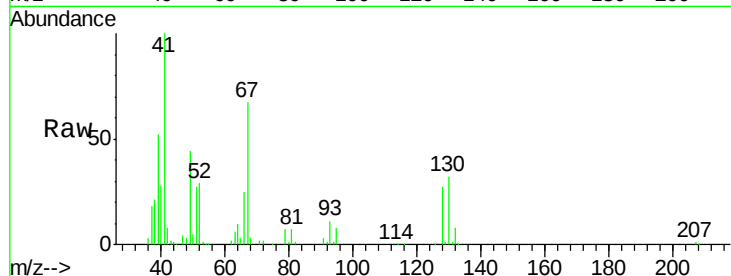
#41
Methacrylonitrile
Concen: 55.60 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.2	43.4	65.0
67	74.2	59.0	88.4
52	32.0	24.6	36.8

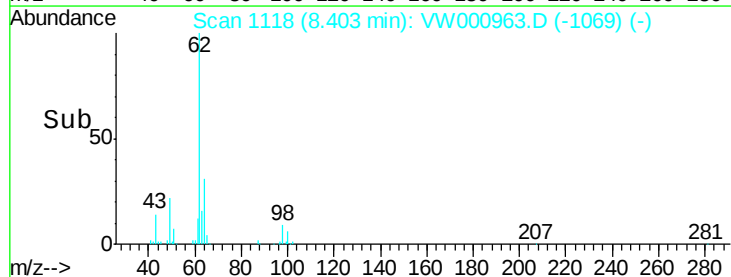
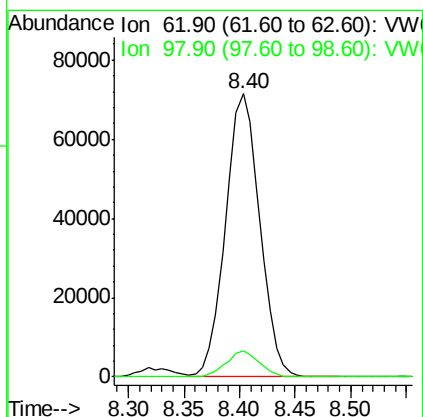
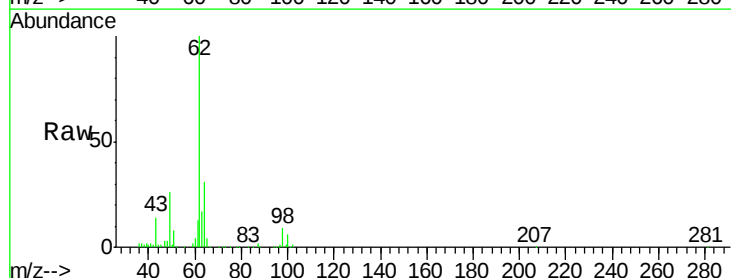
Manual Integrations
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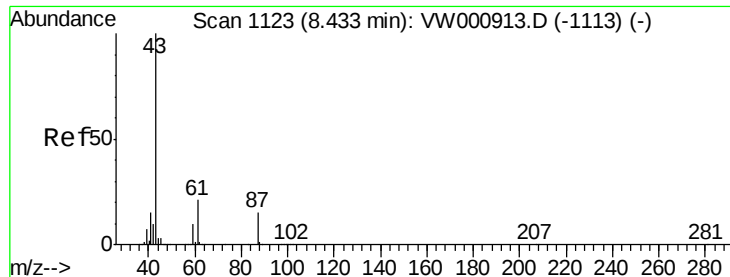
MMDadoda
1/25/2018 1:34:00 PM



#42
1,2-Dichloroethane
Concen: 52.37 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0





#43

Isopropyl Acetate

Concen: 53.17 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

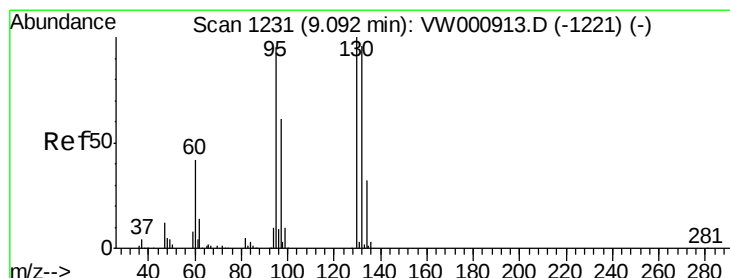
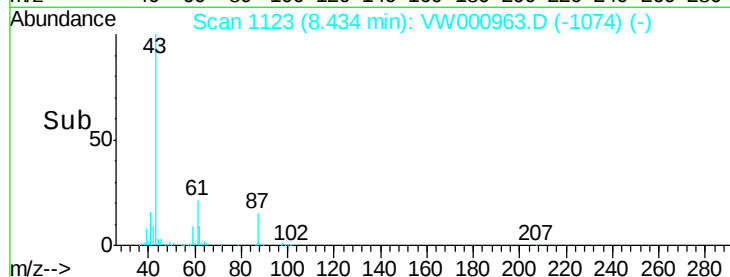
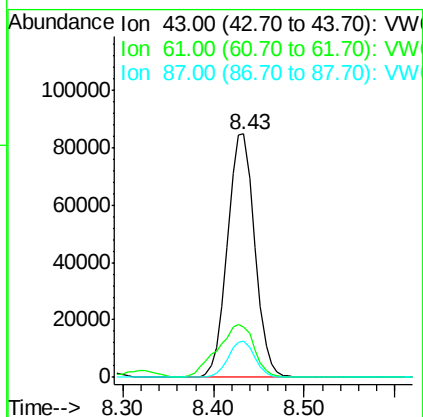
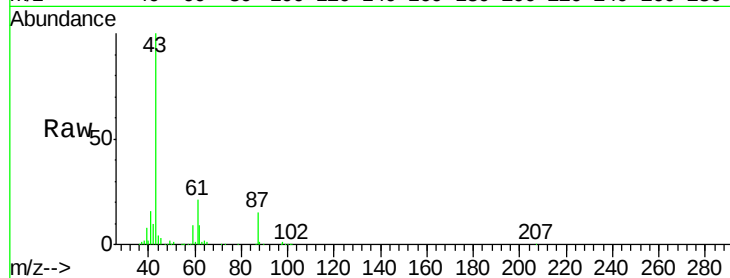
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	176884
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.6	35.4
87	14.6	11.7	17.5

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1/25/2018 1:34:00 PM



#44

Trichloroethene

Concen: 52.35 ug/l

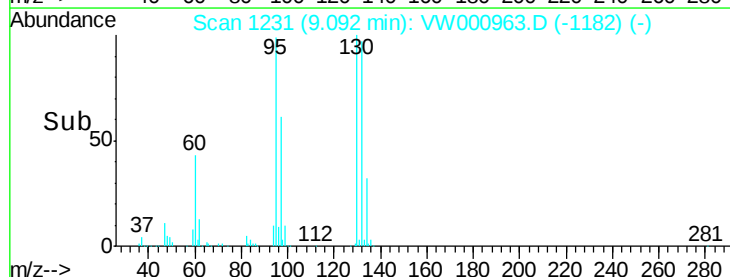
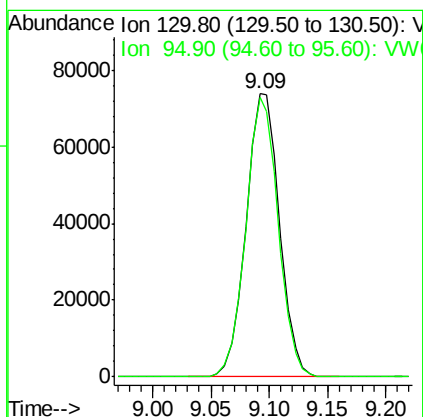
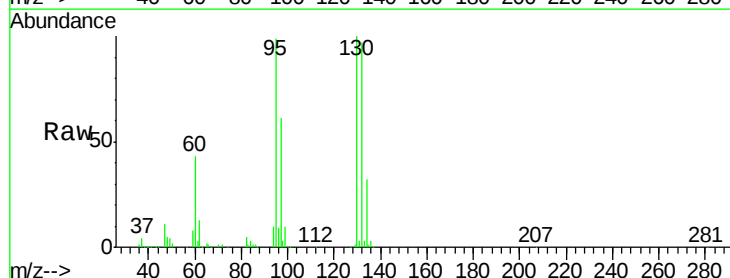
RT: 9.09 min Scan# 1231

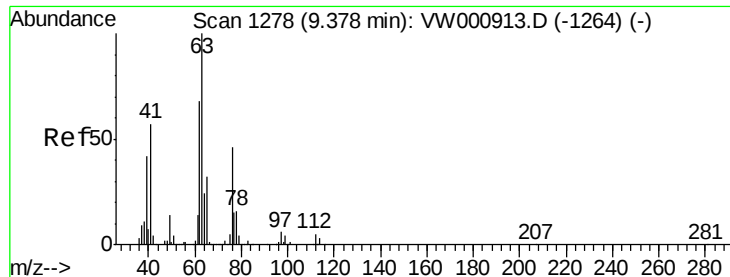
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	130	Resp:	147060
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	190.4





#45

1,2-Dichloropropane

Concen: 52.39 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 11545

Ion Ratio Lower Upper

63 100

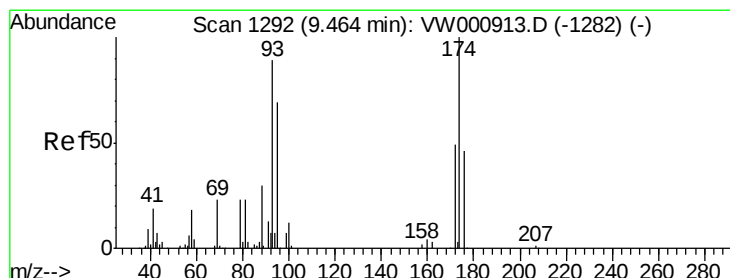
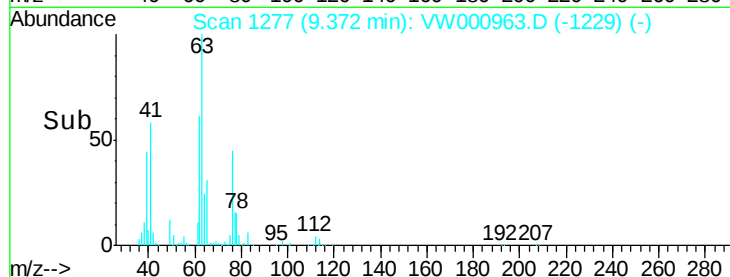
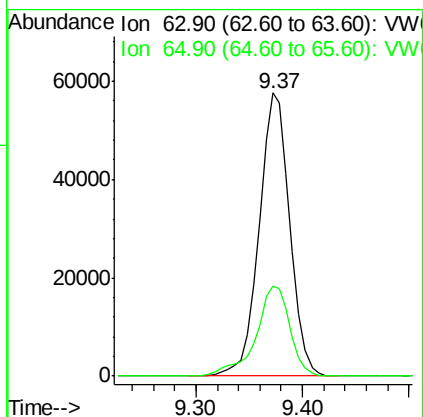
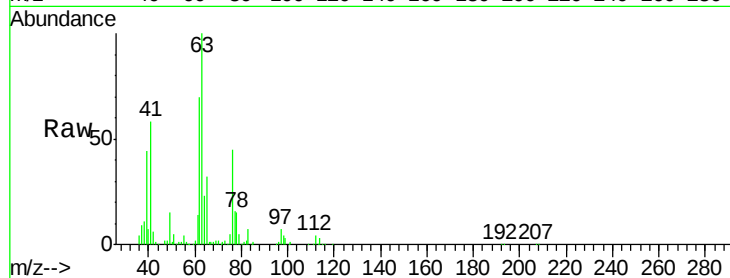
65 31.9 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 52.36 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

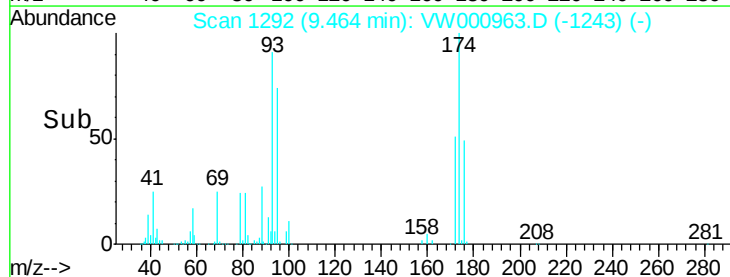
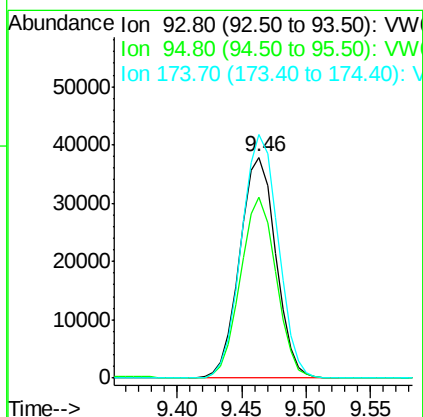
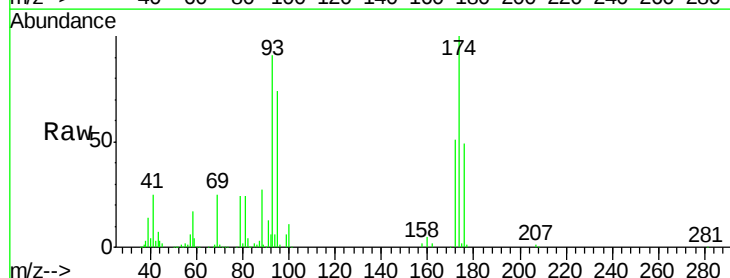
Tgt Ion: 93 Resp: 73783

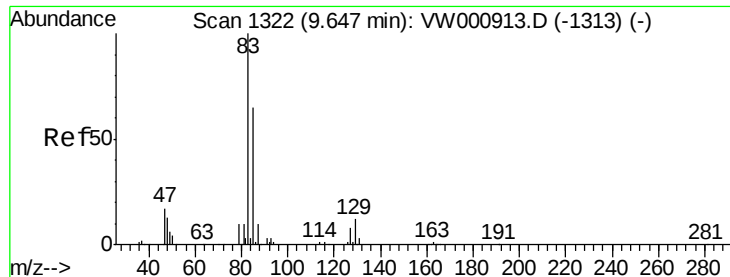
Ion Ratio Lower Upper

93 100

95 81.0 65.8 98.6

174 111.4 89.0 133.6





#47

Bromodichloromethane

Concen: 52.84 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

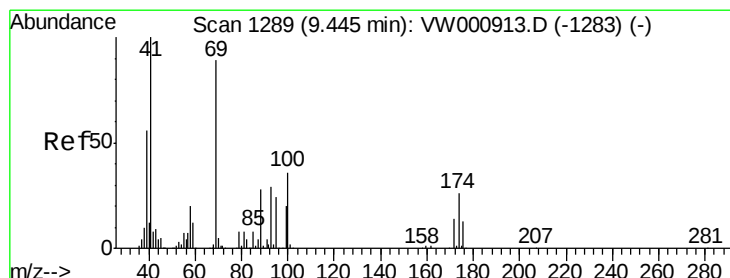
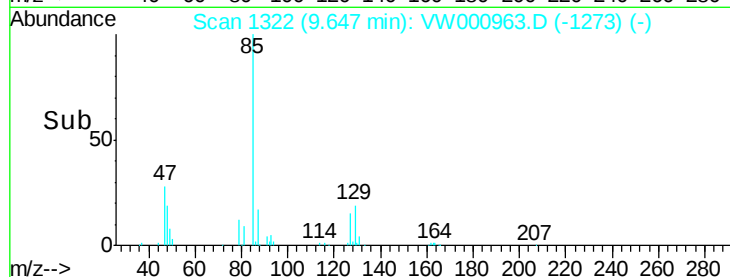
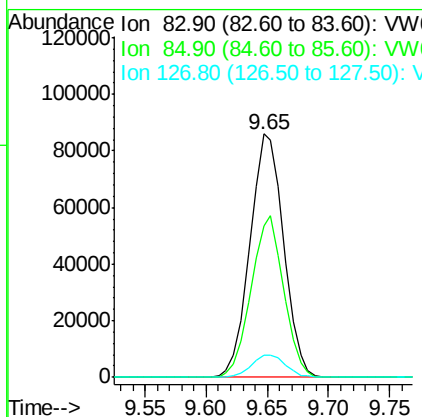
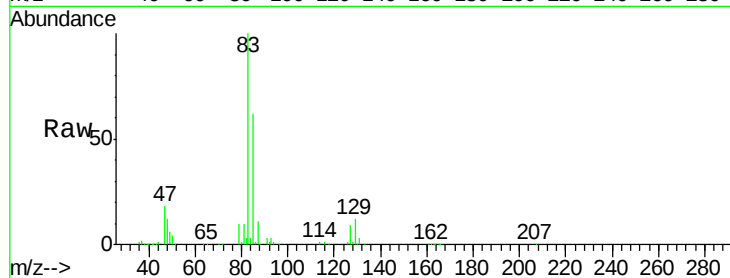
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164670
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.0	78.0
127	9.1	6.8	10.2

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1/25/2018 1:34:00 PM



#48

Methyl methacrylate

Concen: 54.44 ug/l

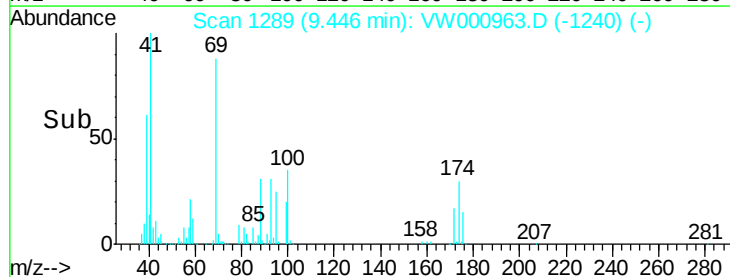
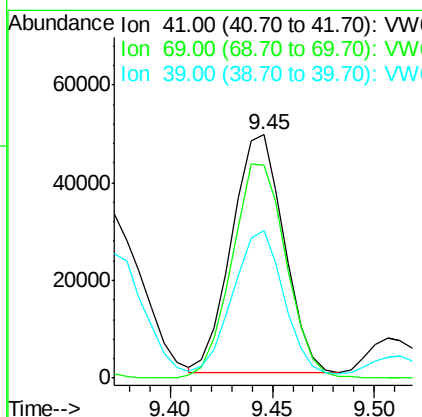
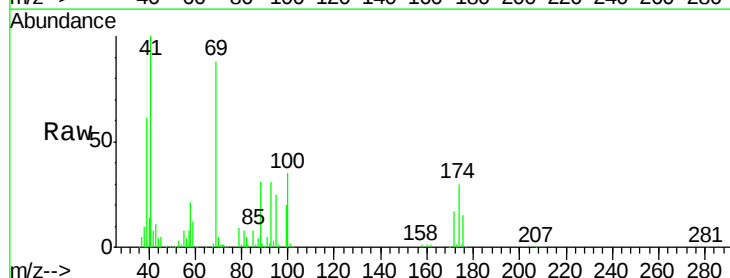
RT: 9.45 min Scan# 1289

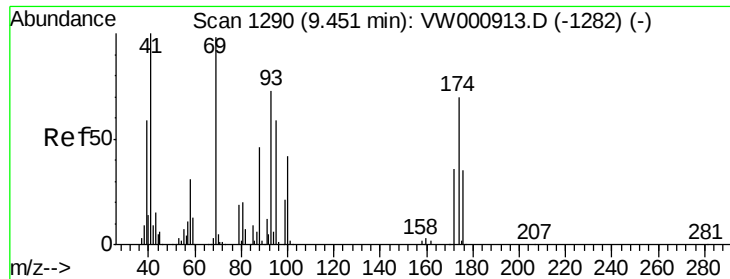
Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion:	41	Resp:	86986
Ion	Ratio	Lower	Upper
41	100		
69	93.5	72.9	109.3
39	61.7	48.4	72.6





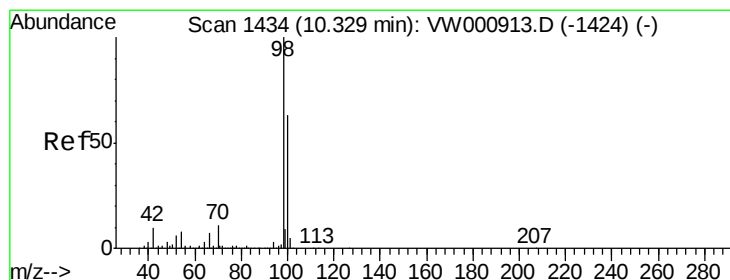
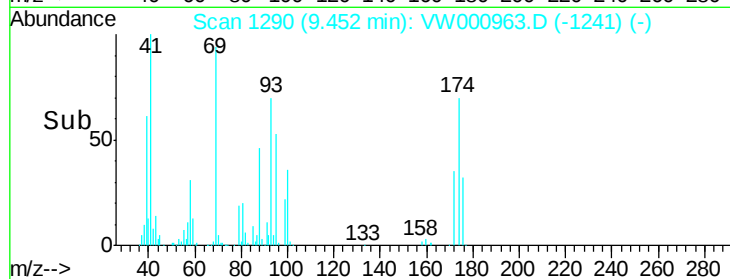
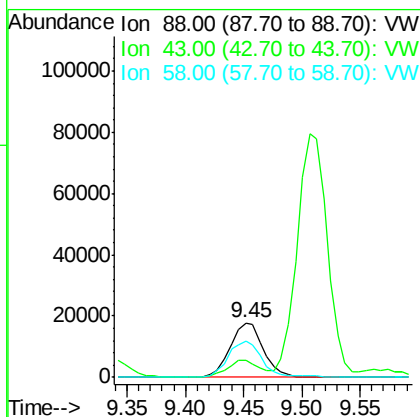
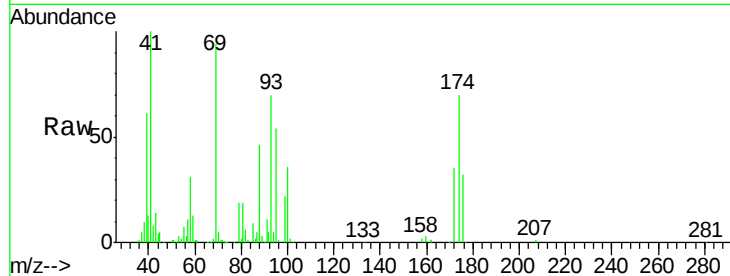
#49
1,4-Dioxane
Concen: 1147.36 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	35339
Ion Ratio	Lower	Upper	
88	100		
43	31.5	24.5	36.7
58	66.1	54.7	82.1

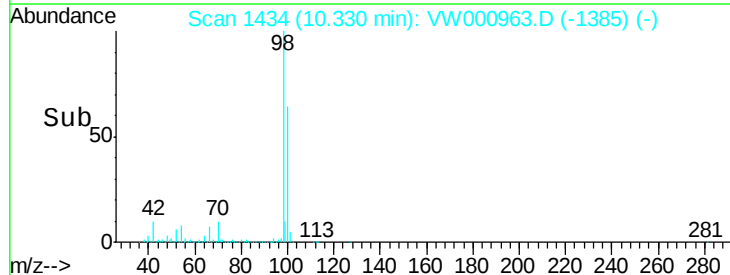
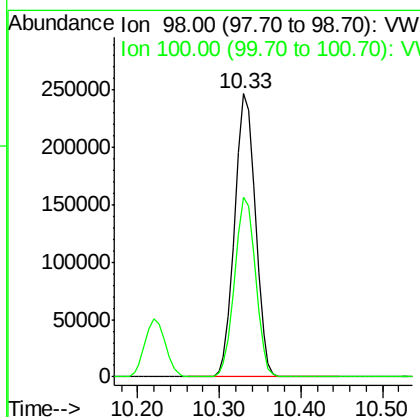
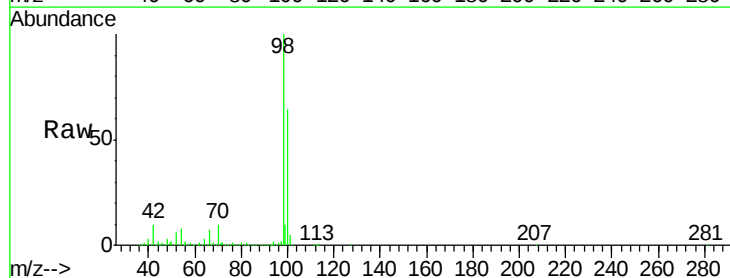
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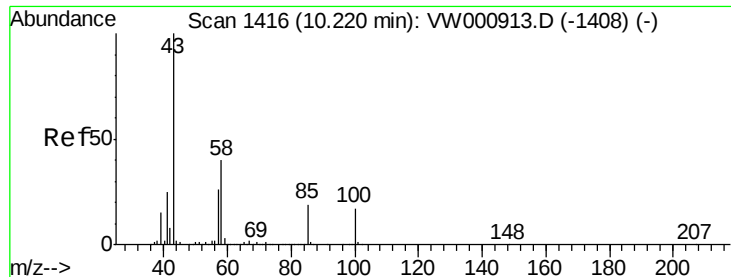
MM Dadoda
1/25/2018 1:34:00 PM



#50
Toluene-d8
Concen: 48.91 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	98	Resp	430443
Ion Ratio	Lower	Upper	
98	100		
100	63.9	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 271.63 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 520001

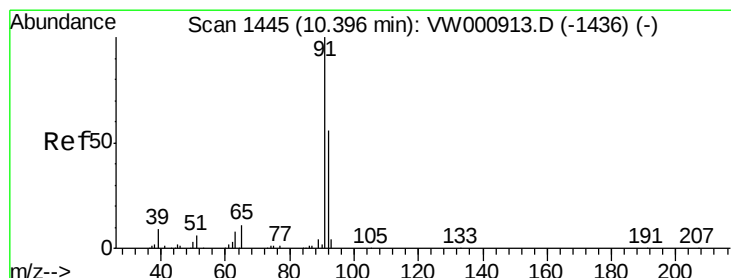
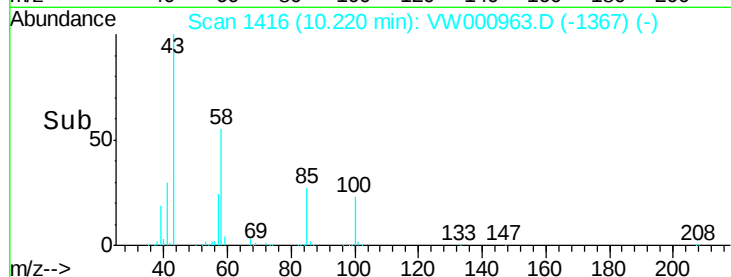
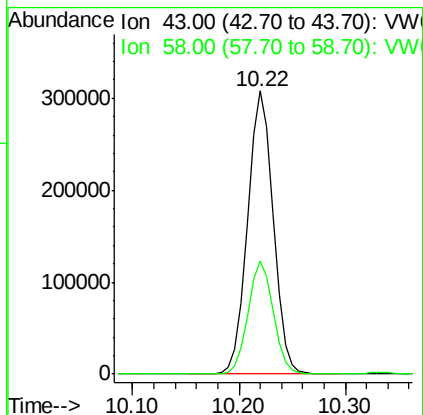
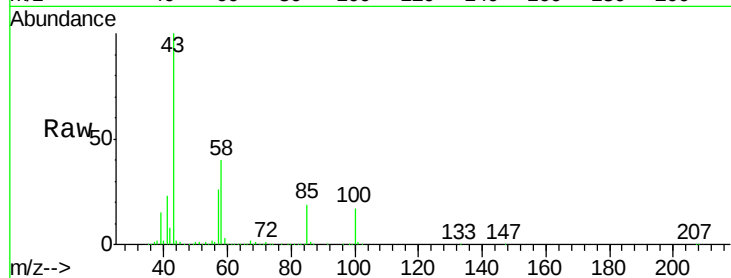
Ion Ratio Lower Upper

43 100

58 39.6 32.0 48.0

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#52

Toluene

Concen: 53.31 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000963.D

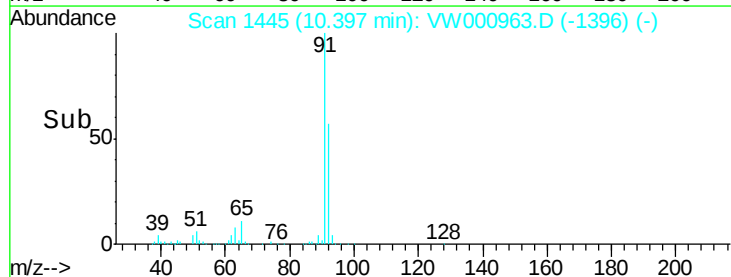
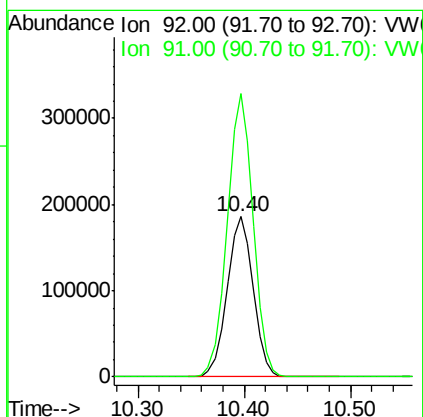
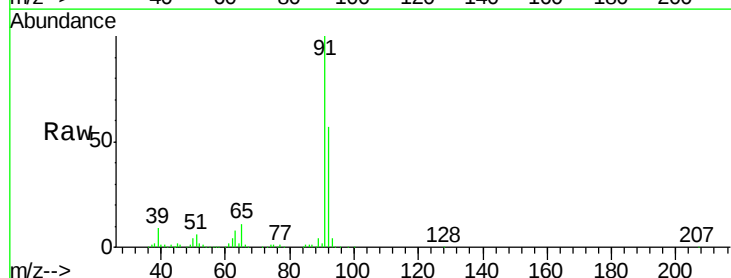
Acq: 24 Jan 2018 22:21

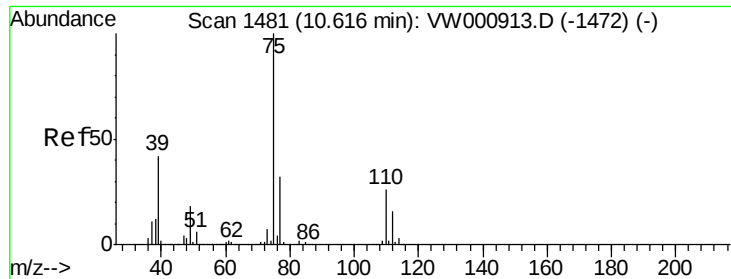
Tgt Ion: 92 Resp: 318408

Ion Ratio Lower Upper

92 100

91 175.6 140.7 211.1





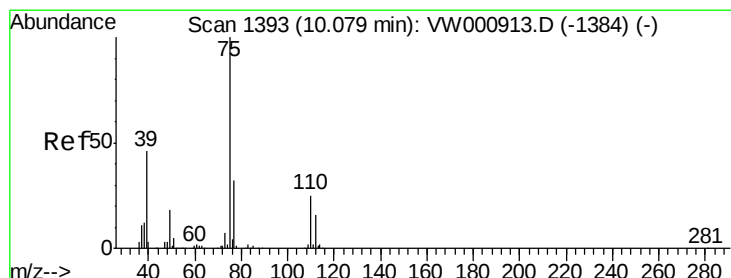
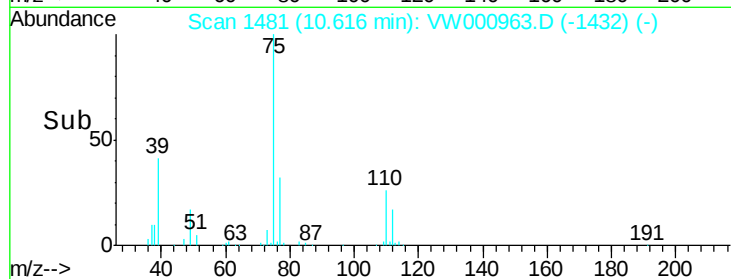
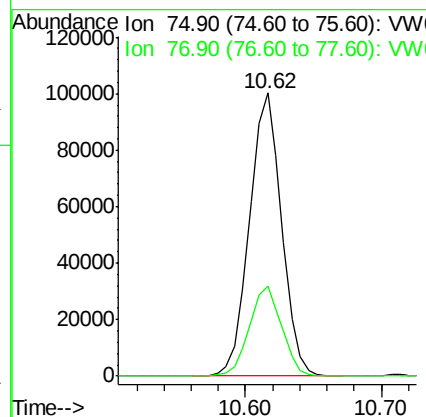
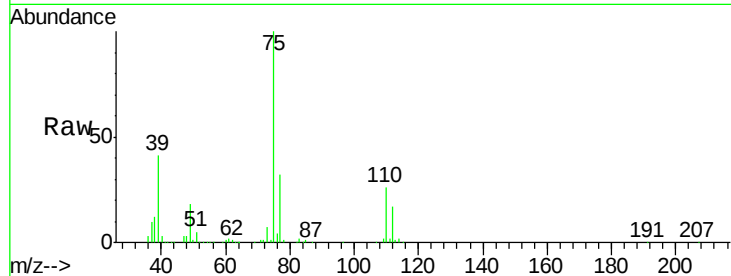
#53
t-1,3-Dichloropropene
Concen: 52.28 ug/l
RT: 10.62 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 165075
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5

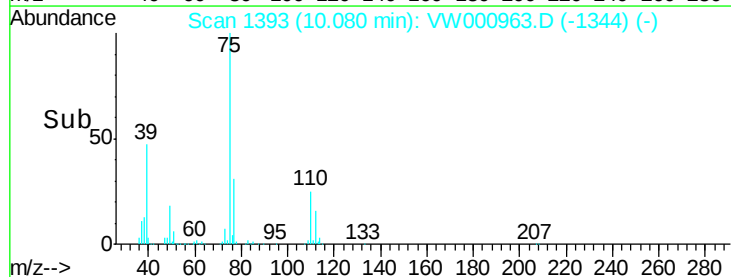
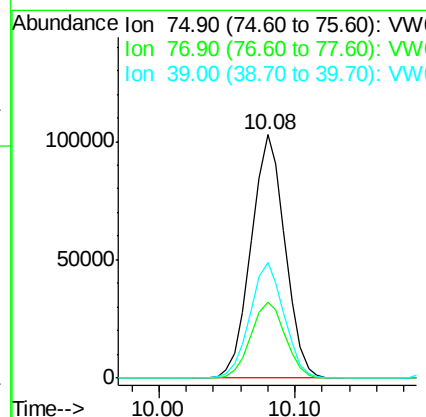
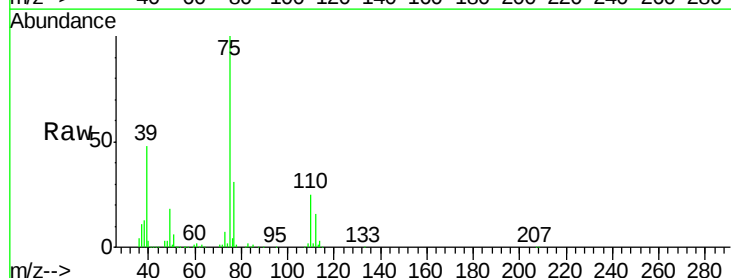
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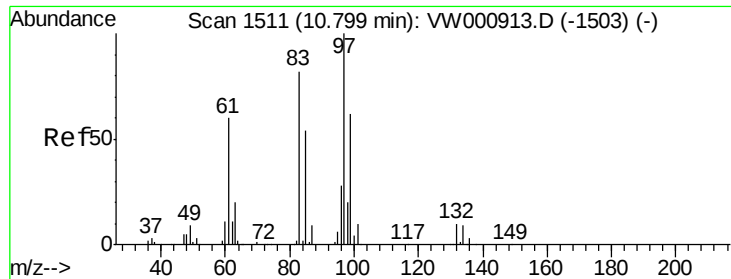
MMDadoda
1/25/2018 1:34:00 PM



#54
cis-1,3-Dichloropropene
Concen: 51.76 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion: 75 Resp: 179792
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9
39 47.4 37.0 55.6





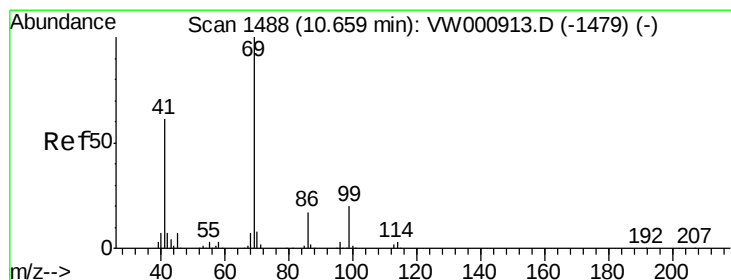
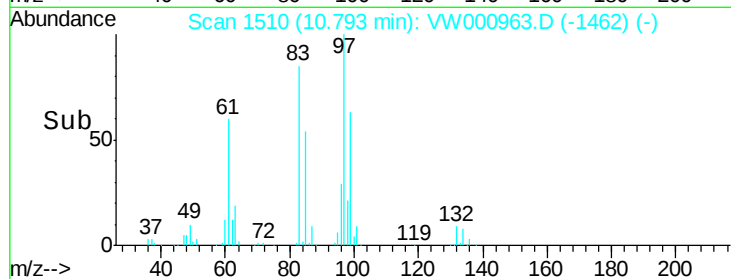
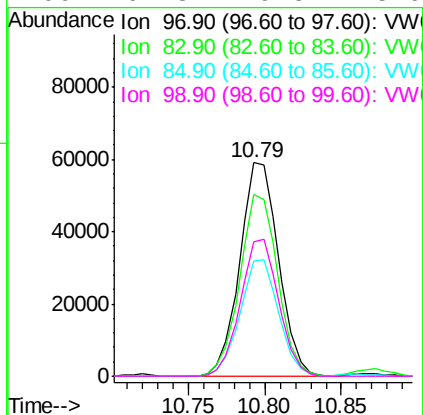
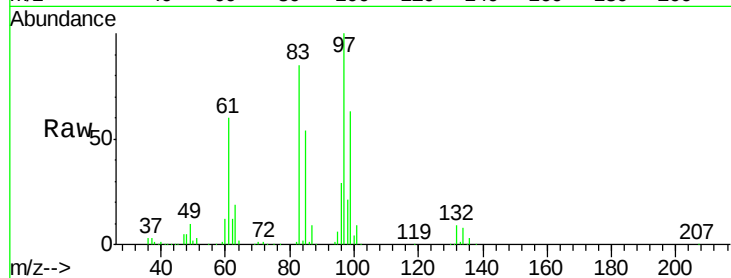
#55
 1,1,2-Trichloroethane
 Concen: 52.90 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104086
Ion	Ratio	Lower	Upper
97	100		
83	85.1	65.2	97.8
85	54.0	43.1	64.7
99	62.8	49.3	73.9

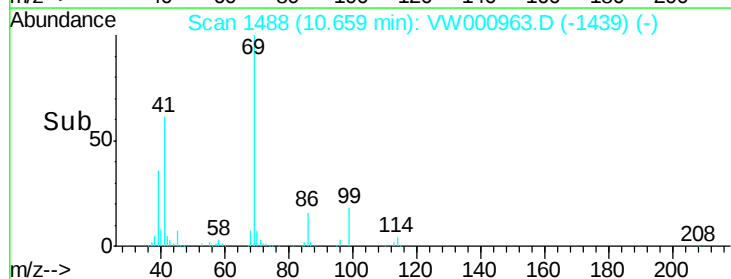
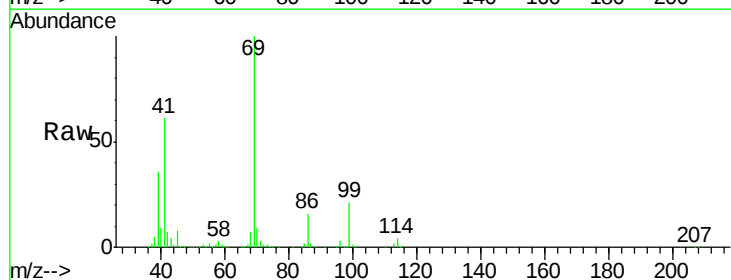
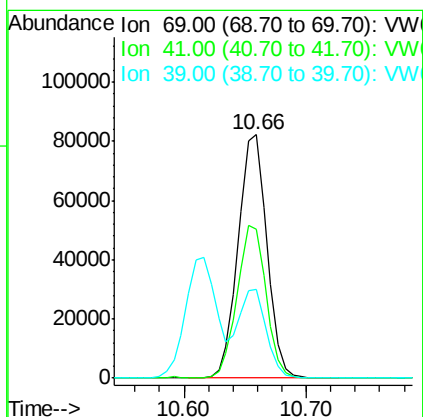
Manual Integrations
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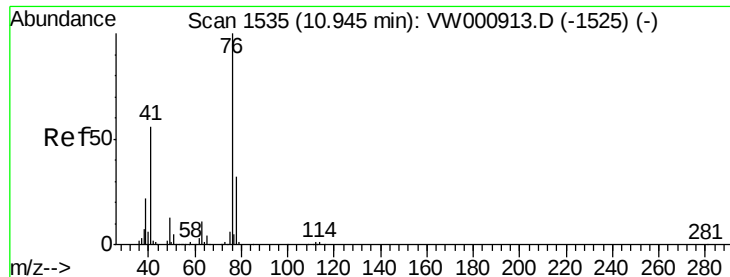
MMDadoda
 1/25/2018 1:34:00 PM



#56
 Ethyl methacrylate
 Concen: 50.78 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion:	69	Resp:	134225
Ion	Ratio	Lower	Upper
69	100		
41	62.3	50.3	75.5
39	35.7	28.6	42.8





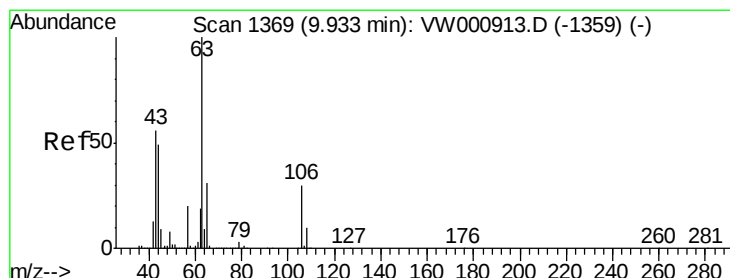
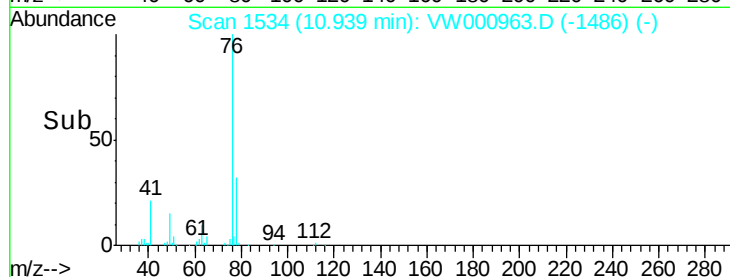
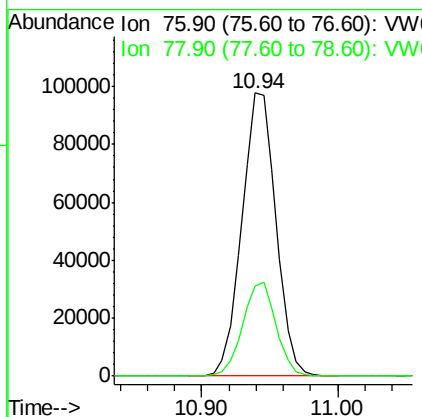
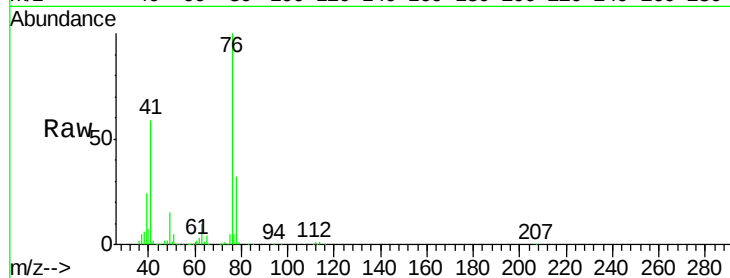
#57
 1,3-Dichloropropane
 Concen: 53.26 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 171135
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

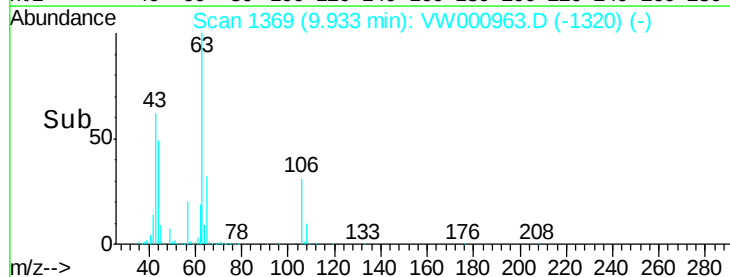
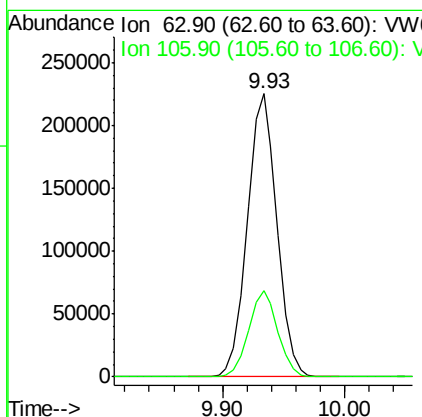
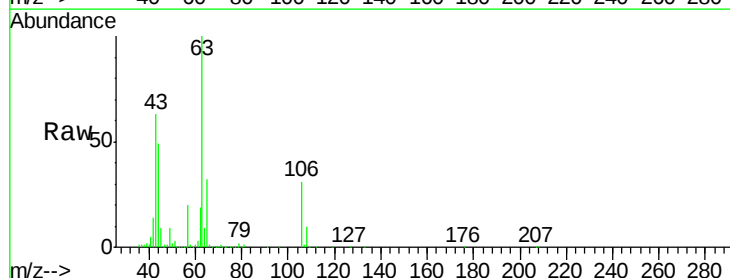
Manual Integrations
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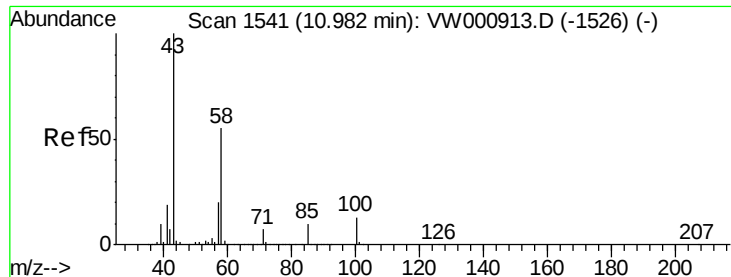
MMDadoda
 1/25/2018 1:34:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.88 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion: 63 Resp: 377975
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.8





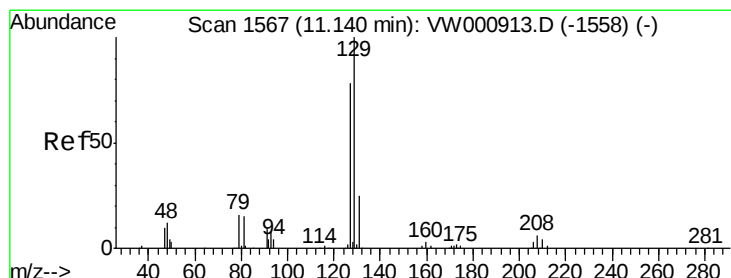
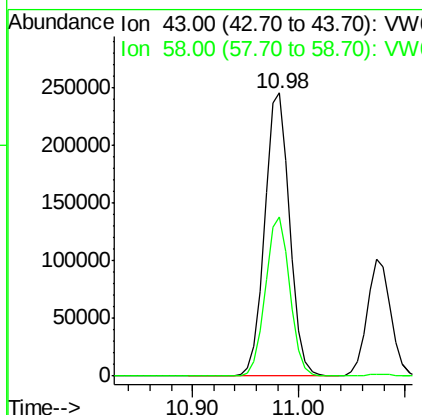
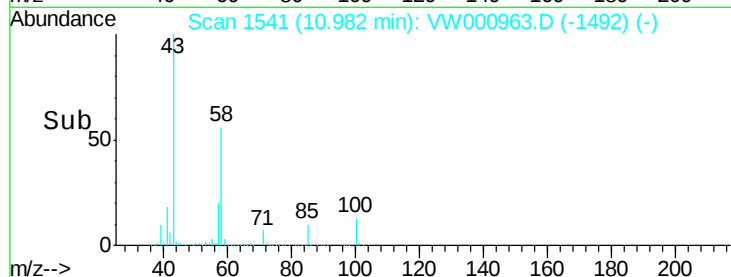
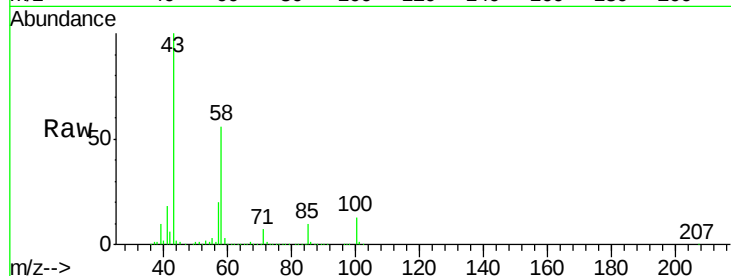
#59
2-Hexanone
Concen: 239.16 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 401363
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.2

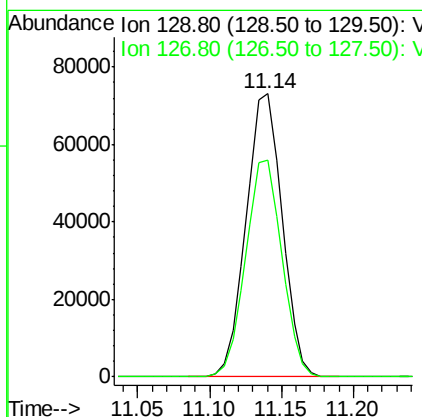
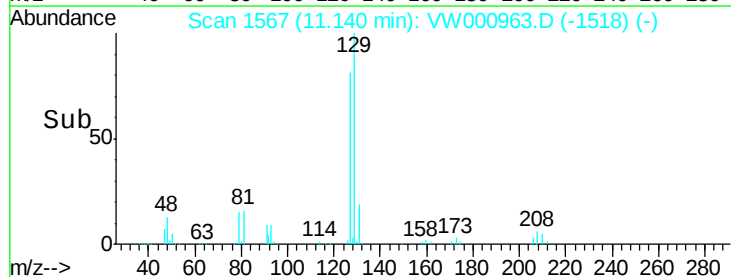
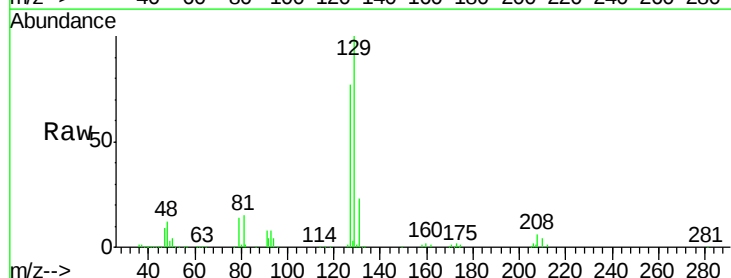
Manual Integrations
APPROVED

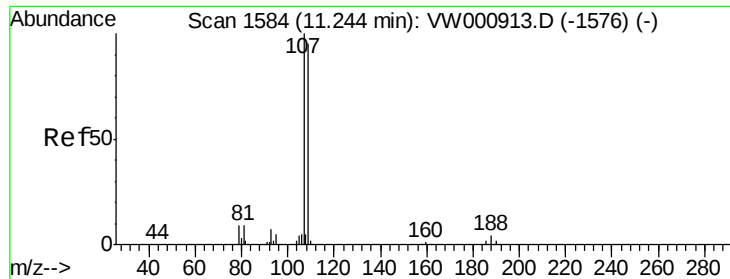
MMDadoda
1/25/2018 1:34:00 PM



#60
Dibromochloromethane
Concen: 53.41 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion: 129 Resp: 126936
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





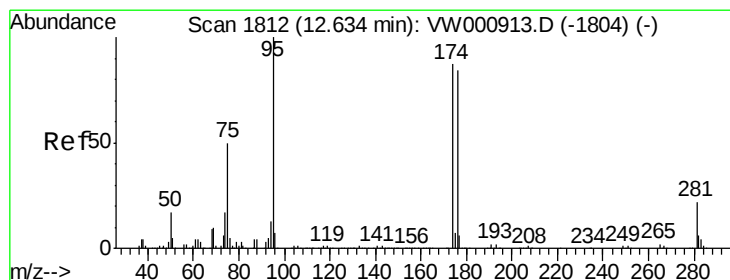
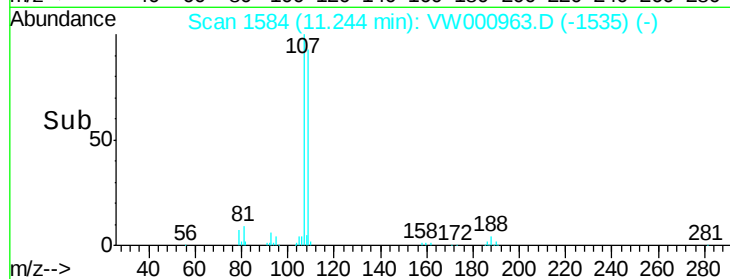
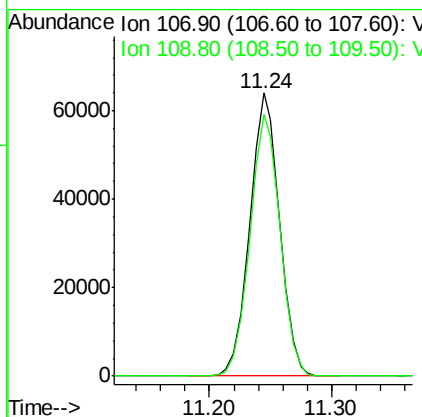
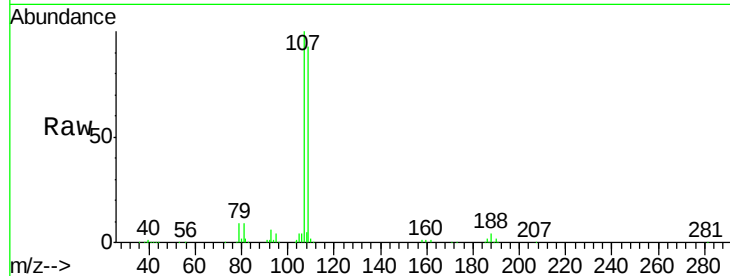
#61
 1,2-Dibromoethane
 Concen: 52.67 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.0	114.0

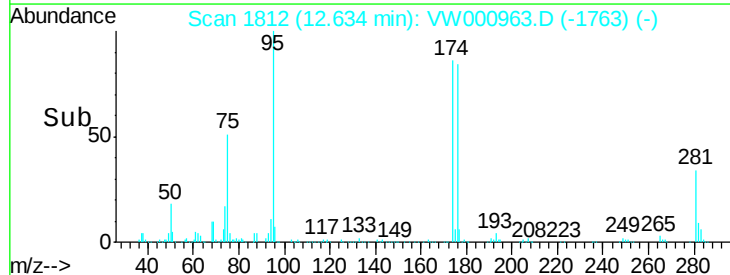
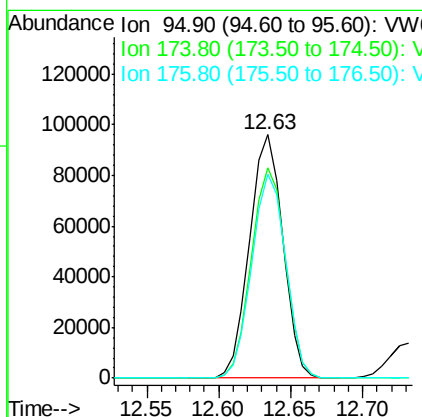
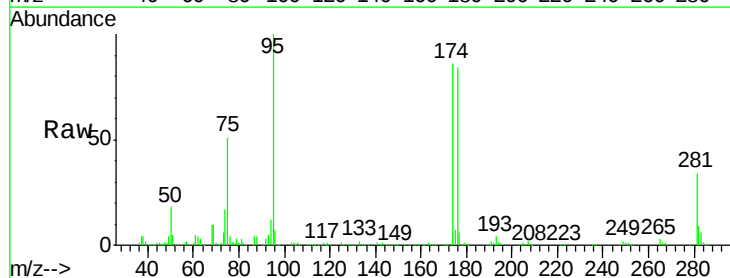
Manual Integrations
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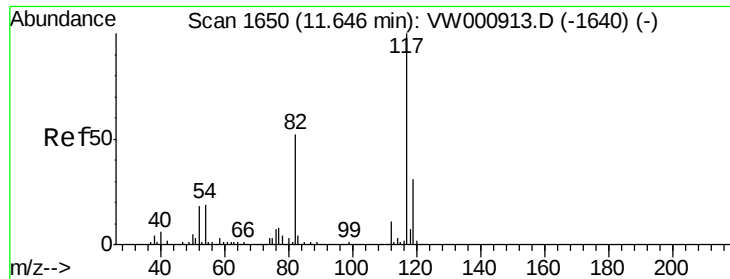
MMDadoda
 1/25/2018 1:34:00 PM



#62
 4-Bromofluorobenzene
 Concen: 48.01 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	176.8
176	85.5	0.0	171.8





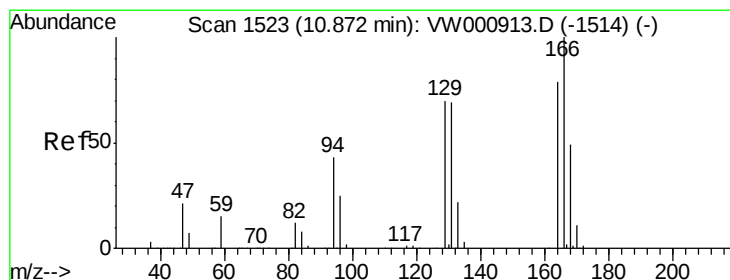
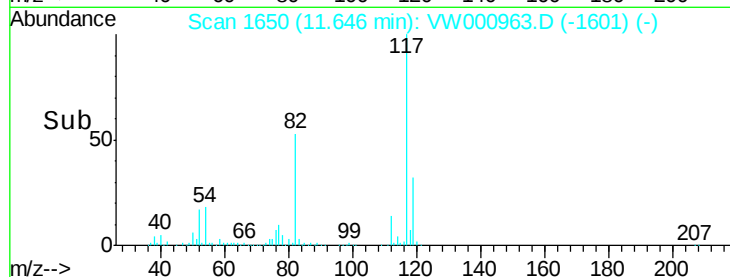
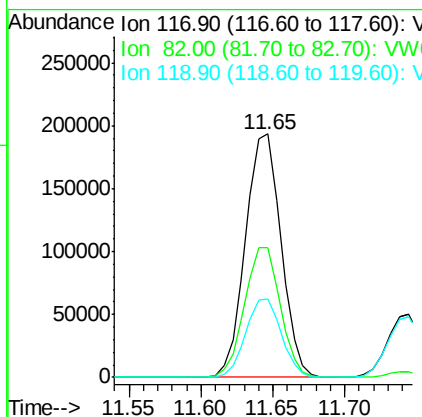
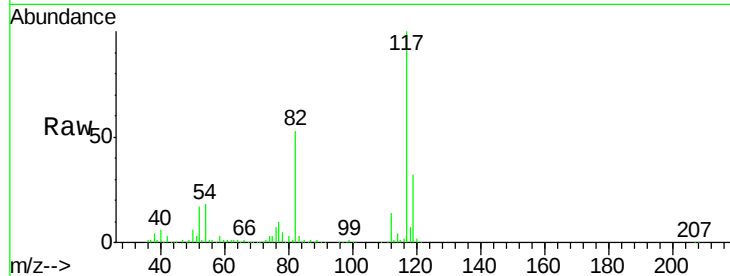
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329712		
82	53.2	41.8	62.6	
119	32.1	25.2	37.8	

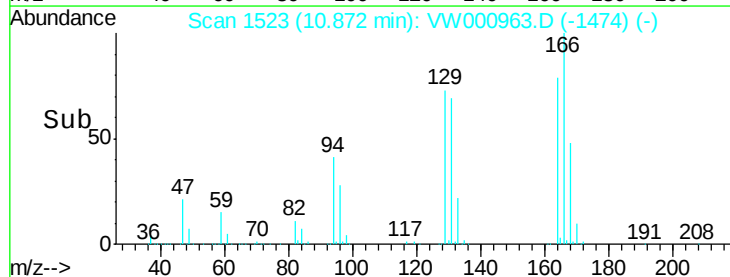
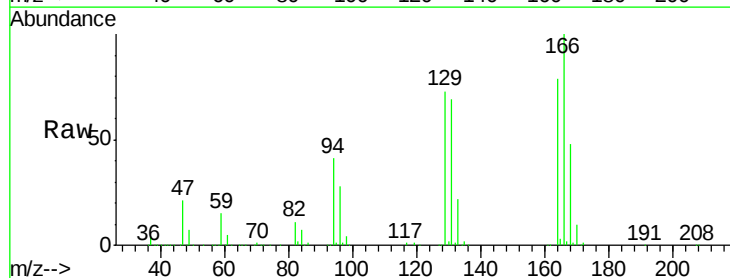
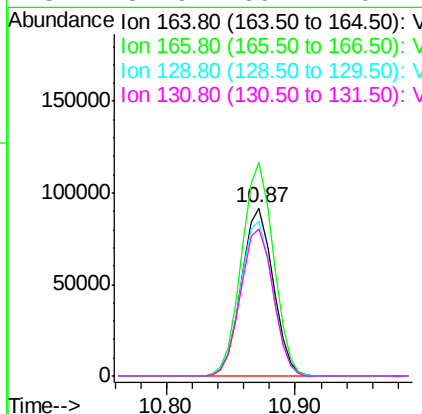
Manual Integrations
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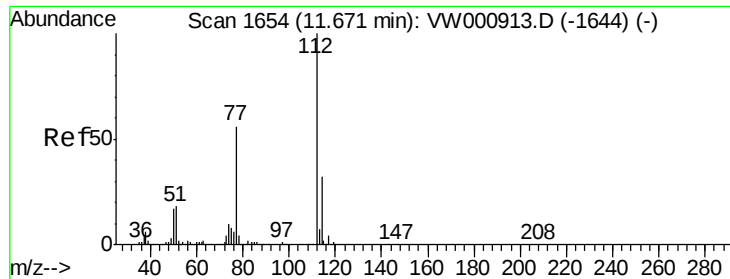
MMDadoda
1/25/2018 1:34:00 PM



#64
Tetrachloroethene
Concen: 57.00 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155966		
166	127.1	100.9	151.3	
129	92.5	70.5	105.7	
131	87.9	69.4	104.2	





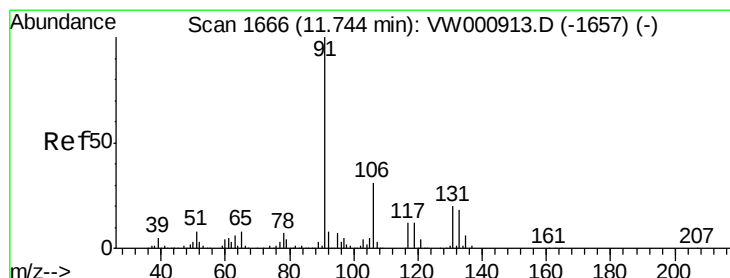
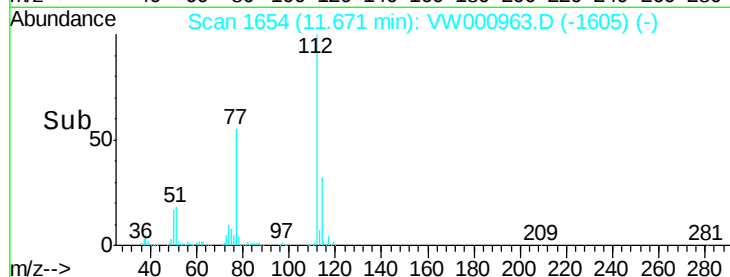
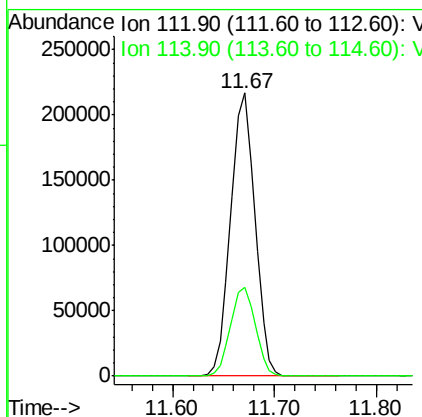
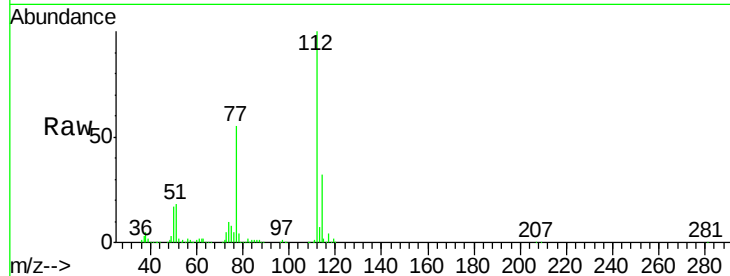
#65
Chlorobenzene
Concen: 52.85 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

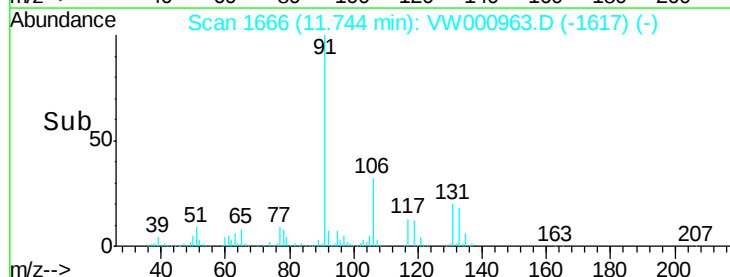
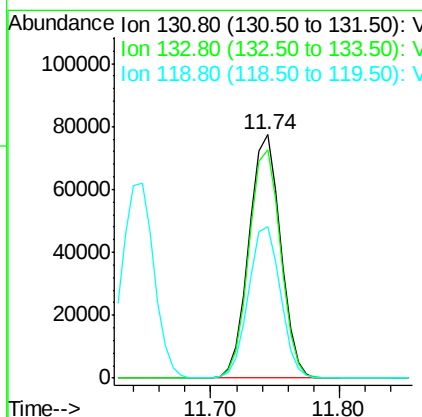
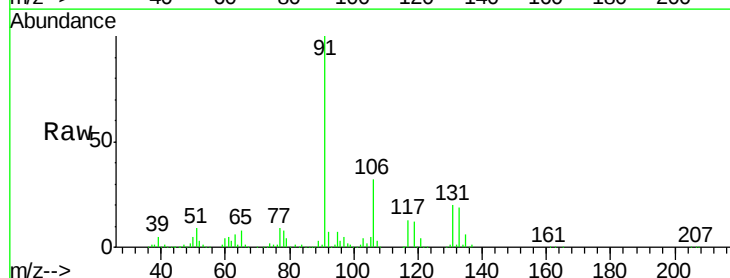
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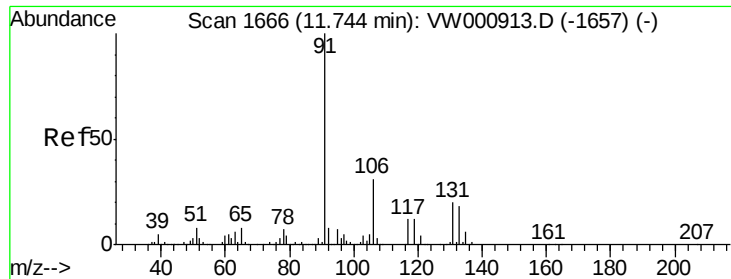
MMDadoda
1/25/2018 1:34:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.92 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	62.7	31.6	94.7





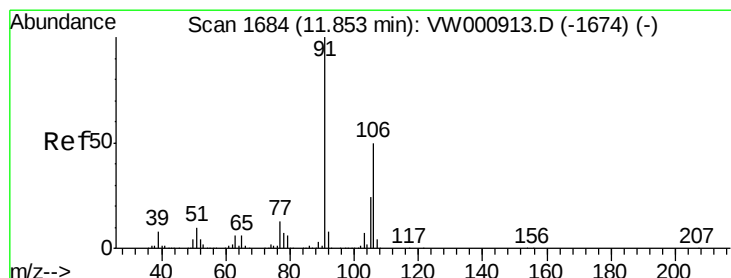
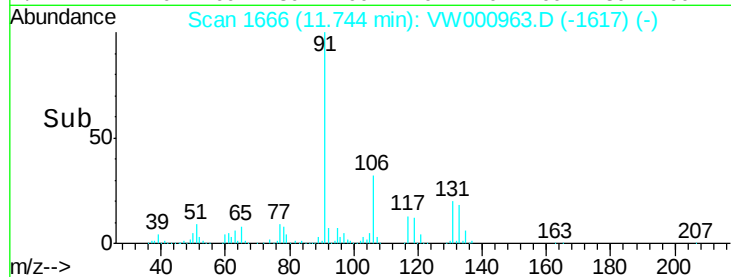
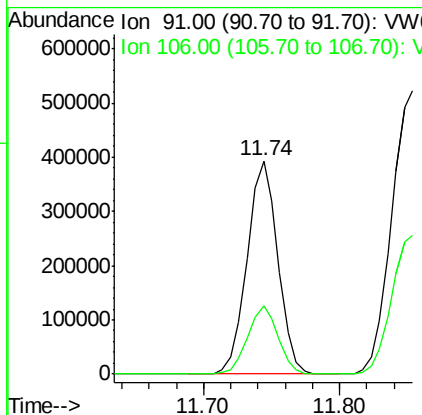
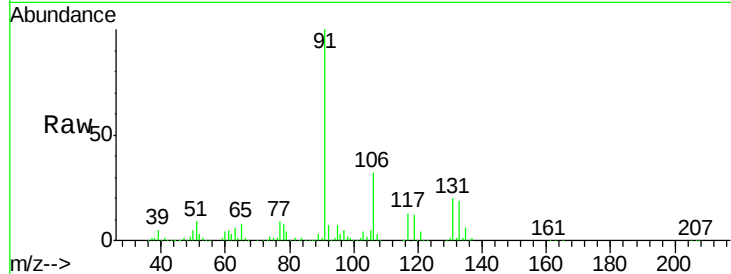
#67
Ethyl Benzene
Concen: 54.41 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 621751
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

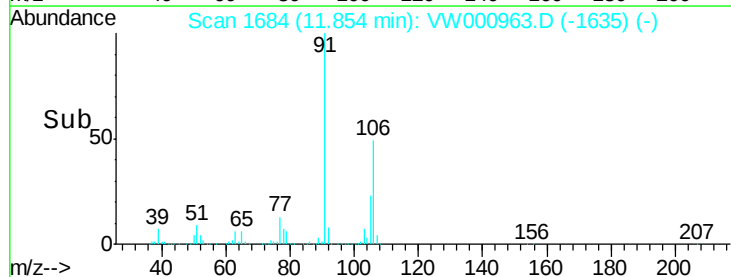
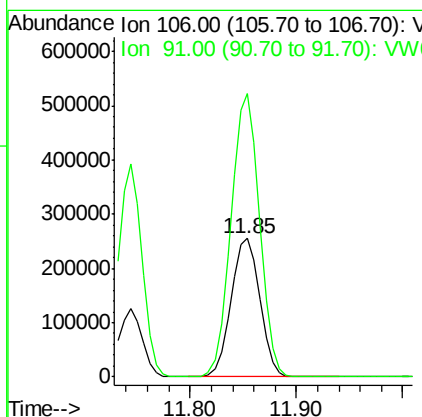
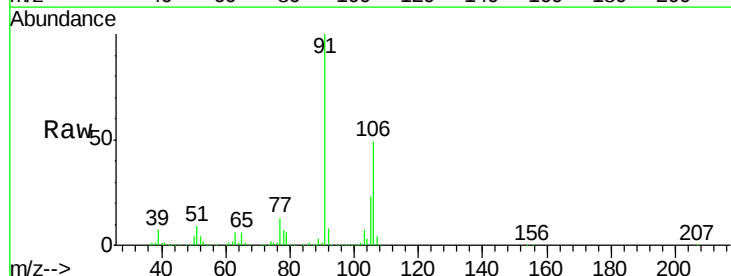
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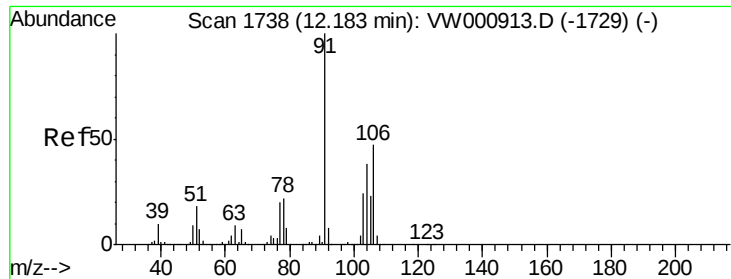
MMDadoda
1/25/2018 1:34:00 PM



#68
m/p-Xylenes
Concen: 109.19 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion: 106 Resp: 484942
Ion Ratio Lower Upper
106 100
91 201.8 161.9 242.9





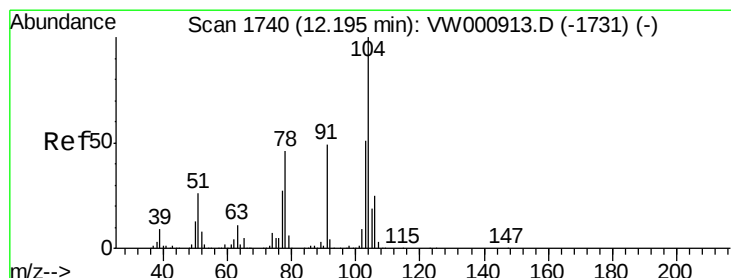
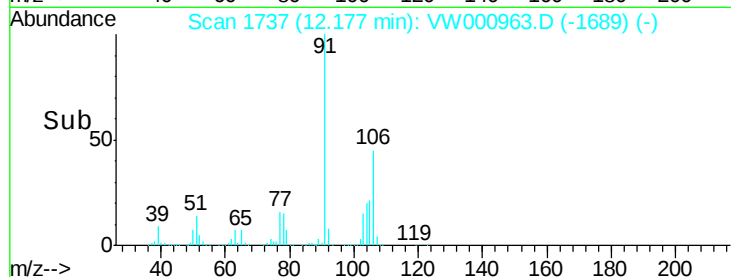
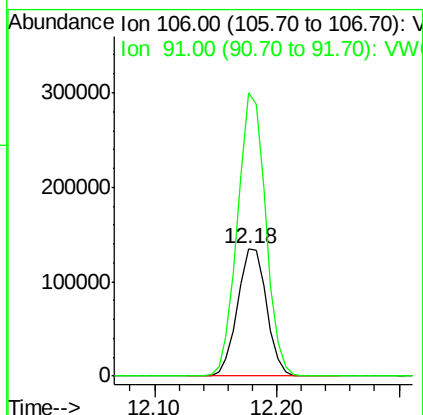
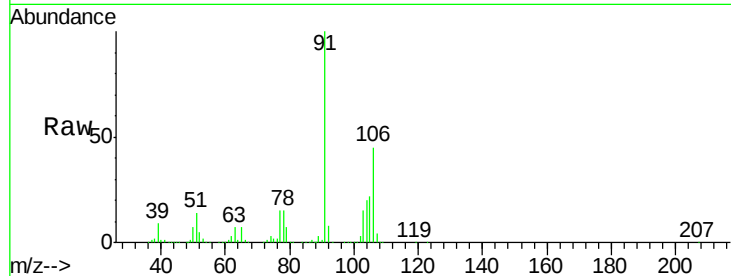
#69
o-Xylene
Concen: 54.38 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		221491		
91	215.9	106.3	318.8		

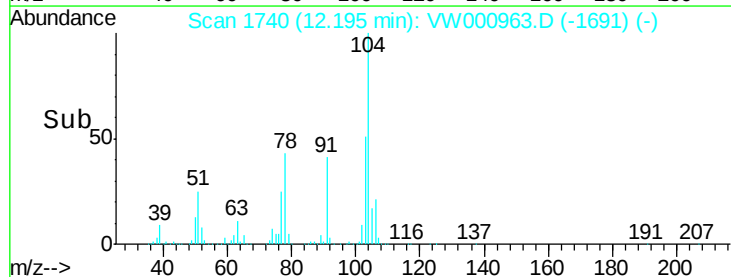
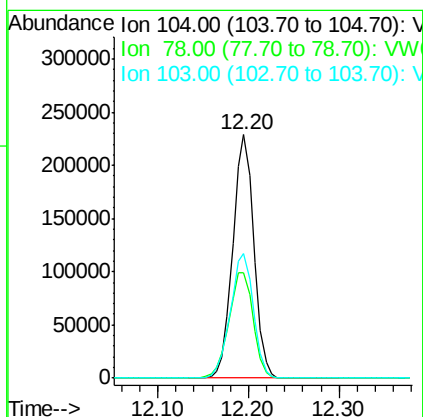
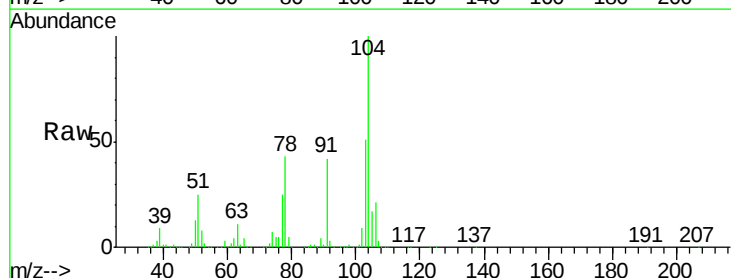
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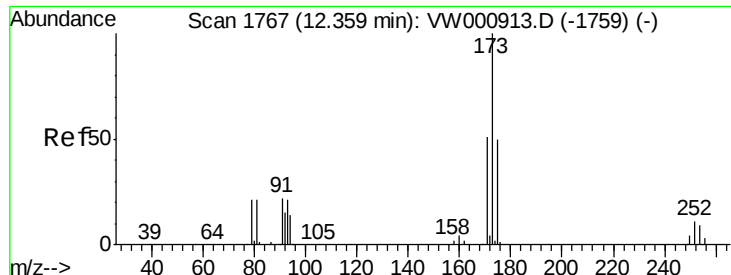
MMDadoda
1/25/2018 1:34:00 PM



#70
Styrene
Concen: 55.54 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		368740		
78	49.9	40.1	60.1		
103	55.9	44.6	66.8		





#71

Bromoform

Concen: 53.88 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88797

Ion Ratio Lower Upper

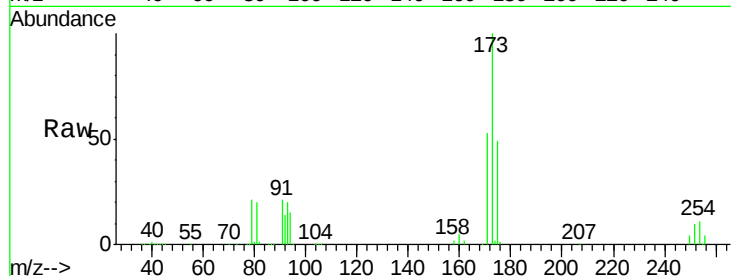
173 100

175 49.0 24.7 74.1

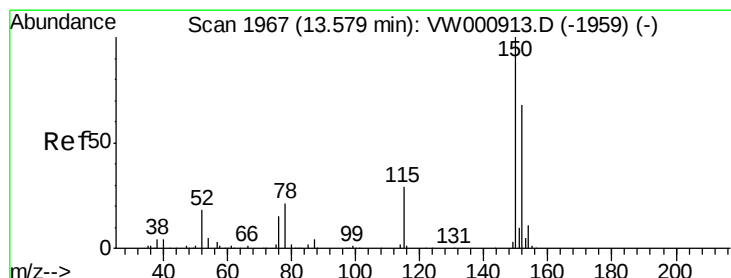
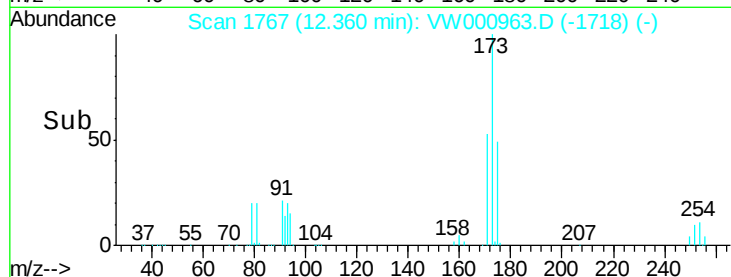
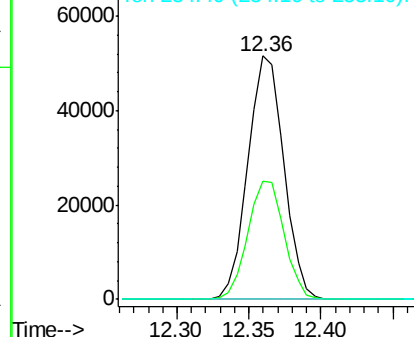
254 0.2 0.2 0.2

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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: VW000963.D

Acq: 24 Jan 2018 22:21

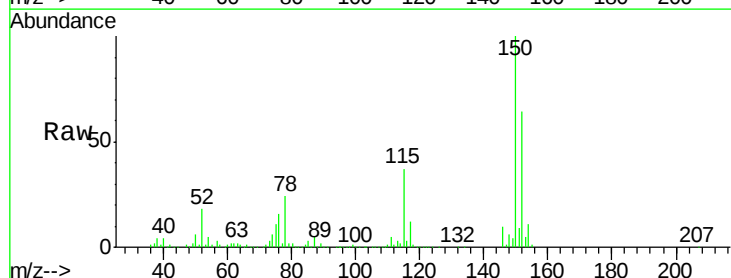
Tgt Ion:152 Resp: 176935

Ion Ratio Lower Upper

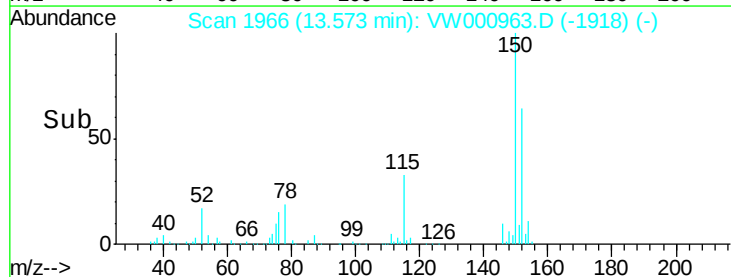
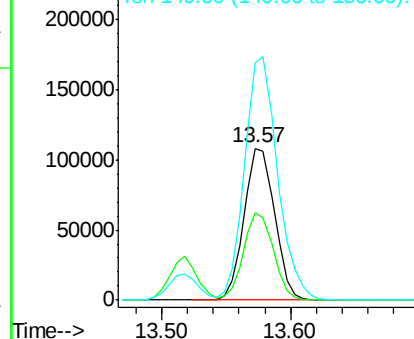
152 100

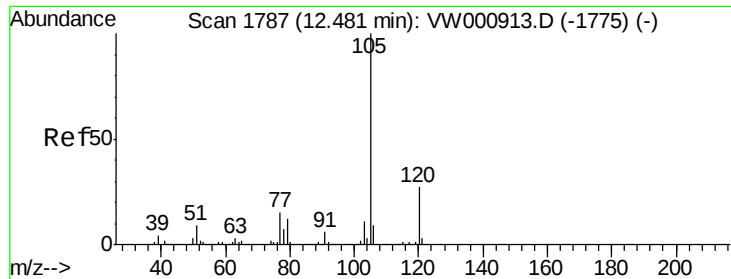
115 56.1 28.5 85.5

150 173.4 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: 55.02 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 629041

Ion Ratio Lower Upper

105 100

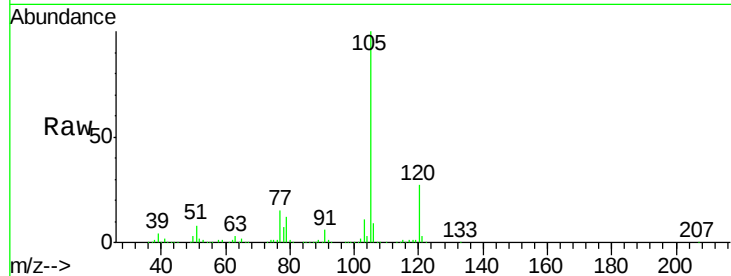
120 26.8 13.3 39.9

Manual Integrations

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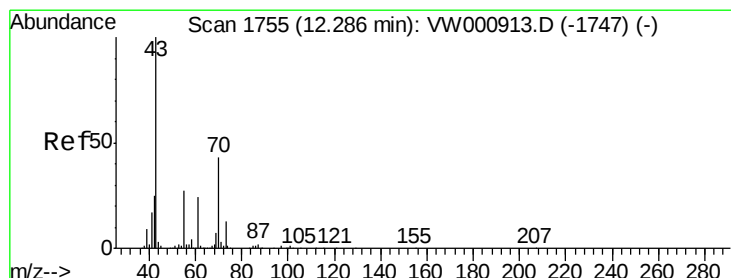
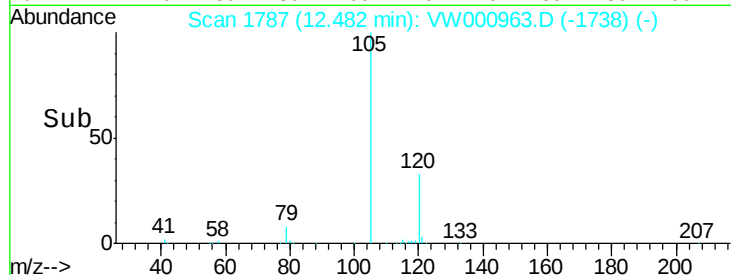
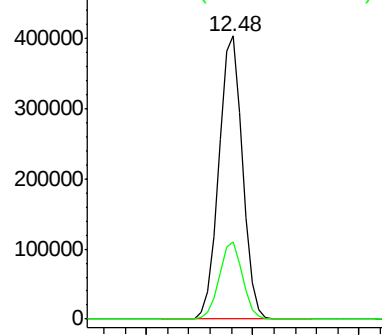
MMDadoda

1/25/2018 1:34:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.25 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Tgt Ion: 43 Resp: 156148

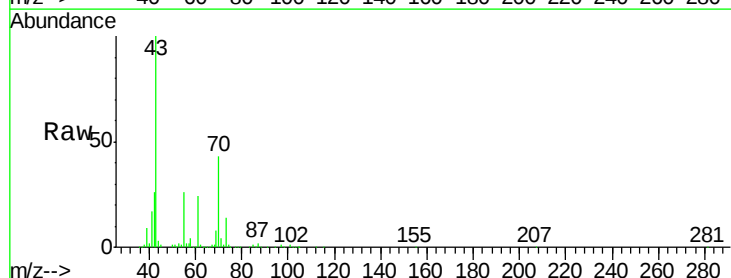
Ion Ratio Lower Upper

43 100

70 44.0 35.8 53.8

55 27.4 21.4 32.2

61 24.4 19.5 29.3

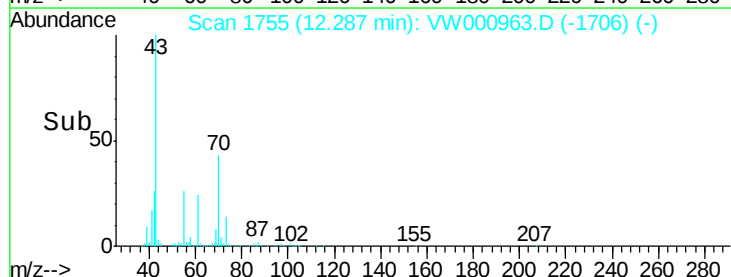
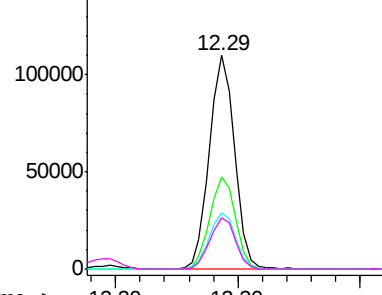


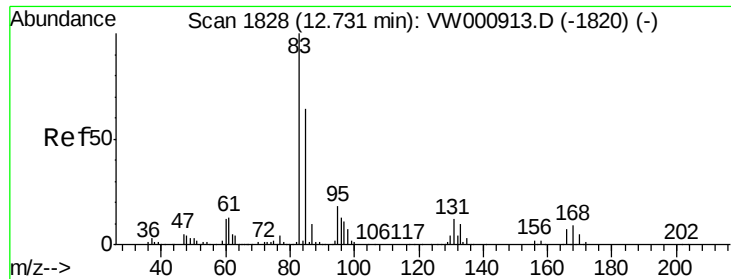
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





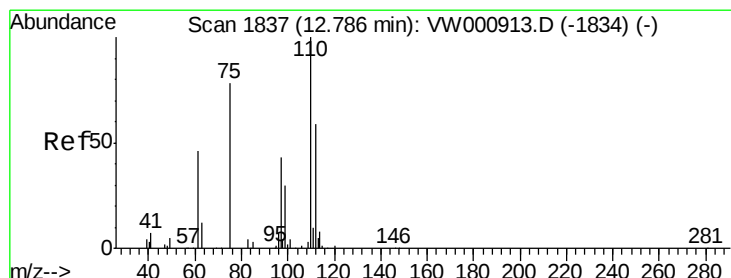
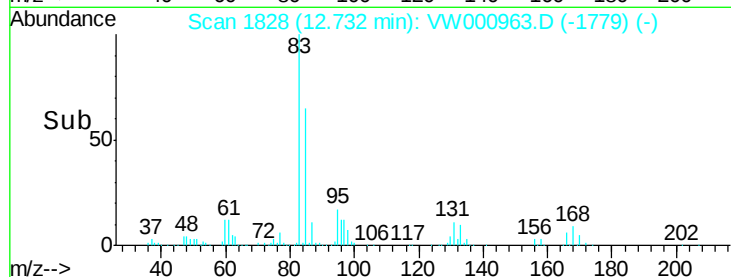
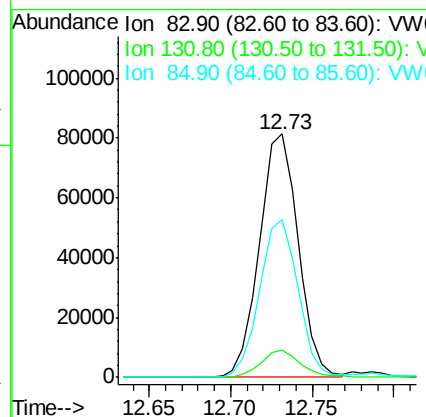
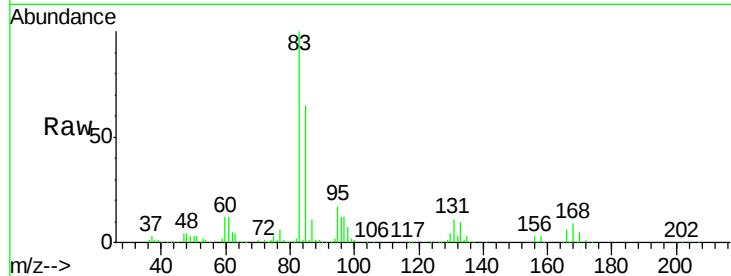
#75
 1,1,2,2-Tetrachloroethane
 Concen: 55.22 ug/l
 RT: 12.73 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	134945
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.9	17.7
85	64.3	32.6	97.7

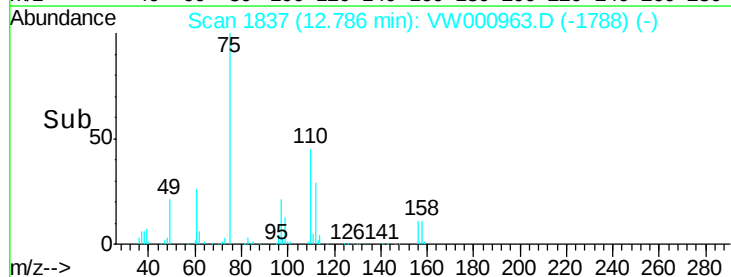
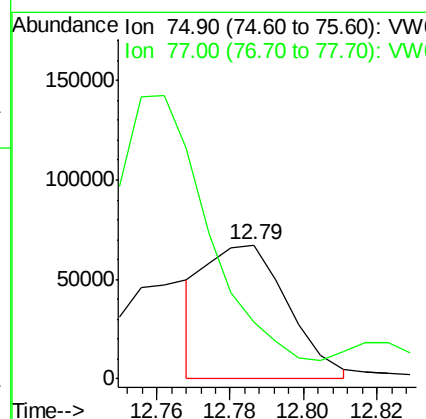
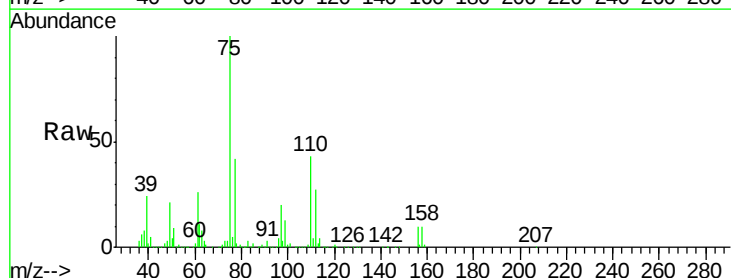
Manual Integrations
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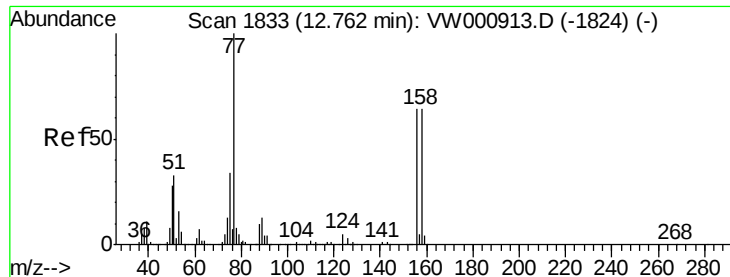
MMDadoda
 1/25/2018 1:34:00 PM



#76
 1,2,3-Trichloropropane
 Concen: 50.82 ug/l m
 RT: 12.79 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	75	Resp	104048
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.57 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 155824

Ion Ratio Lower Upper

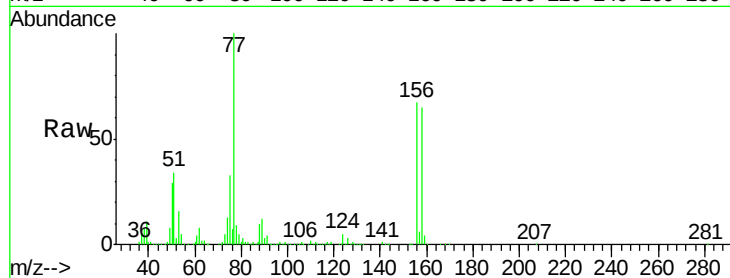
156 100

77 177.4 89.0 267.1

158 97.7 48.9 146.8

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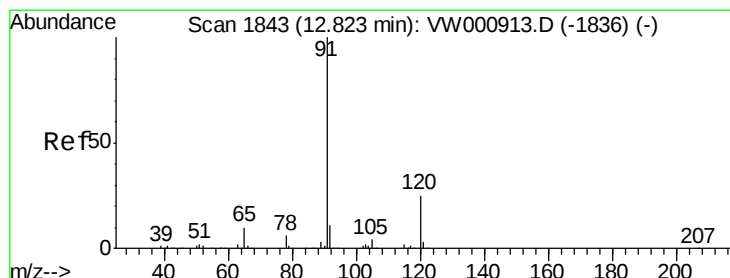
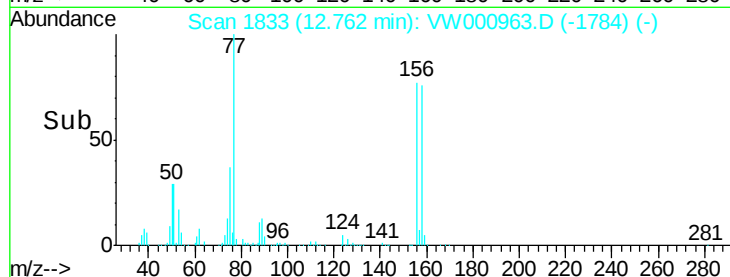
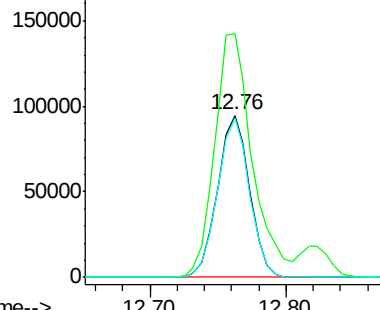
MMDadoda
1/25/2018 1:34:00 PM



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: 54.22 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000963.D

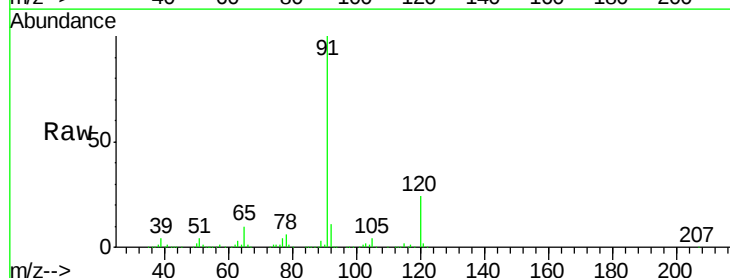
Acq: 24 Jan 2018 22:21

Tgt Ion: 91 Resp: 747936

Ion Ratio Lower Upper

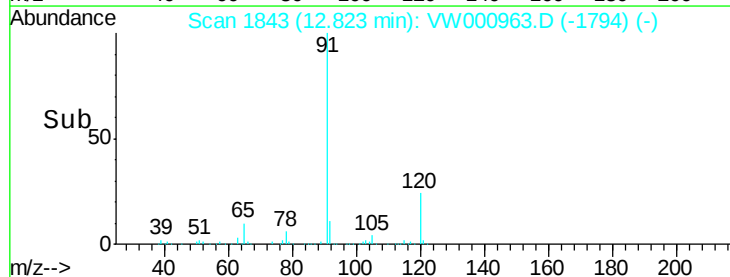
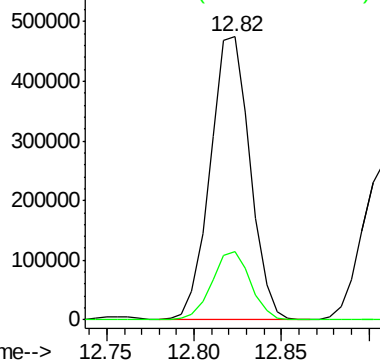
91 100

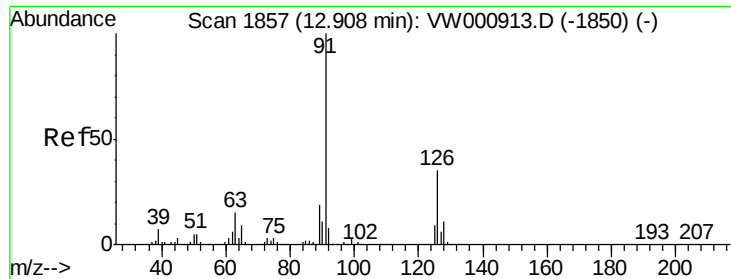
120 23.7 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.59 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 416984

Ion Ratio Lower Upper

91 100

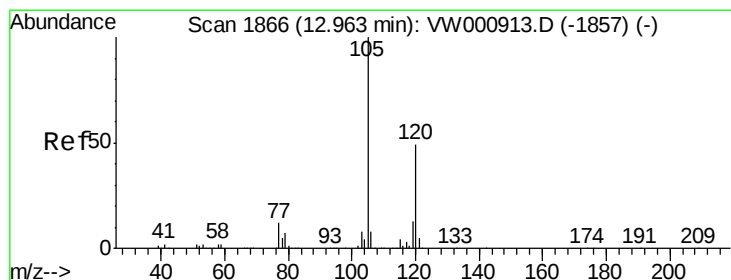
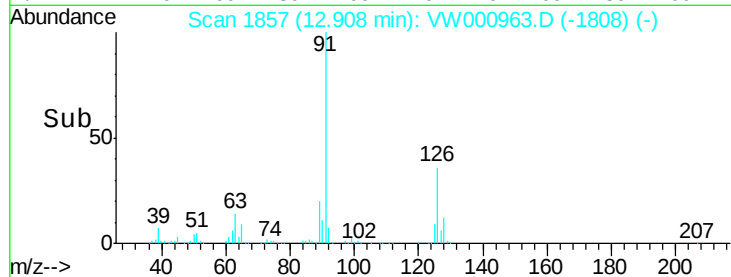
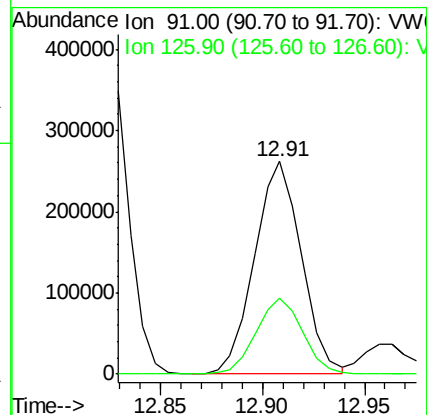
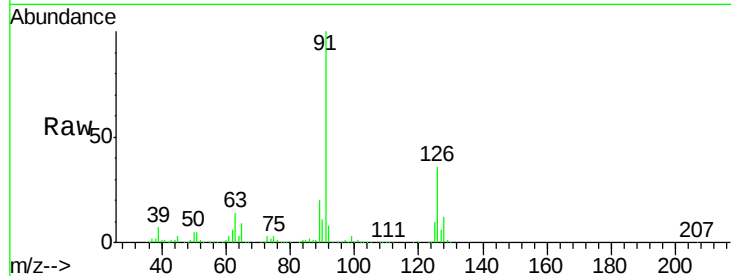
126 35.6 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.60 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VW000963.D

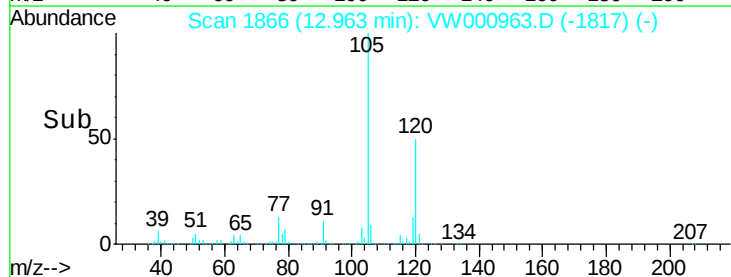
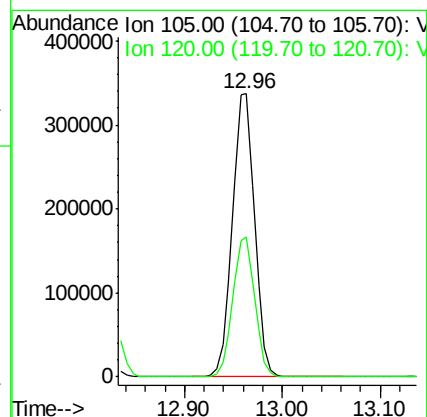
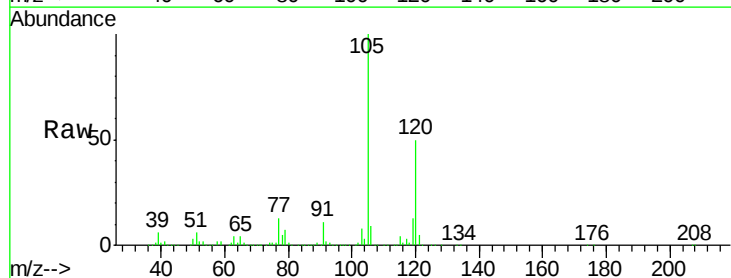
Acq: 24 Jan 2018 22:21

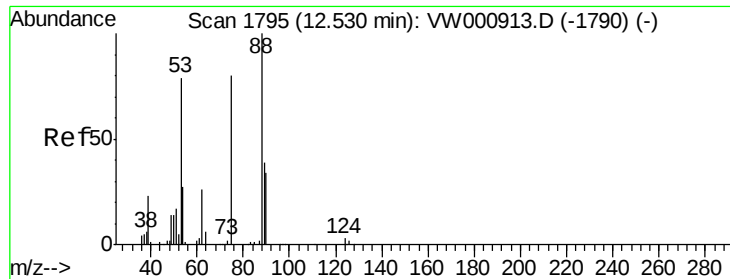
Tgt Ion:105 Resp: 531015

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.9





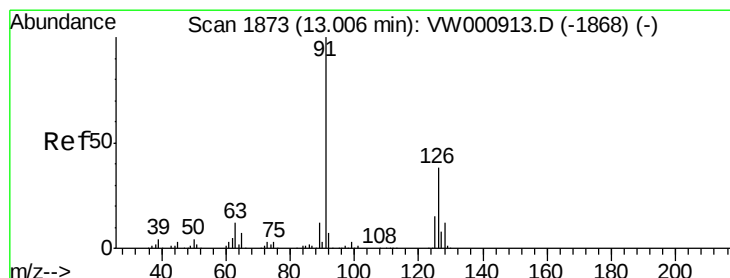
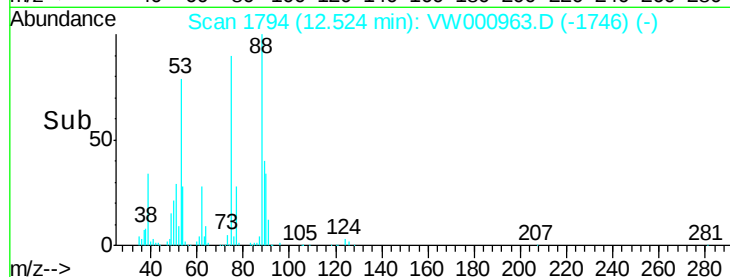
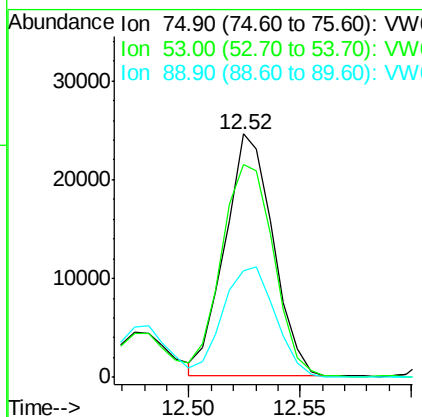
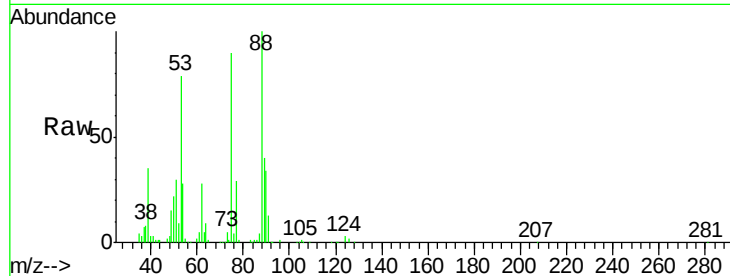
#81
trans-1,4-Dichloro-2-butene
Concen: 45.75 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	77.5	116.3
89	50.0	38.2	57.4

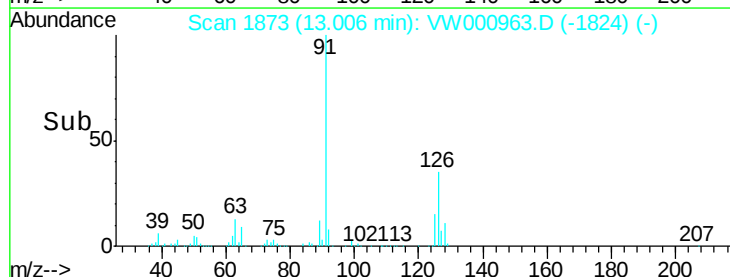
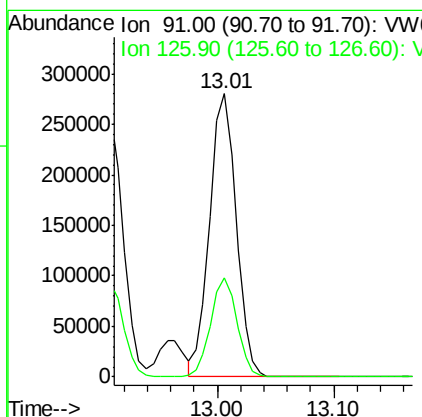
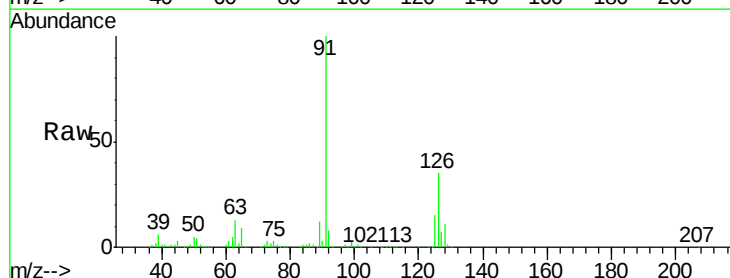
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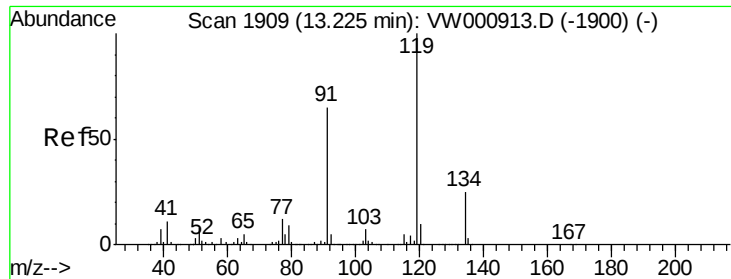
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.38 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.6	52.9





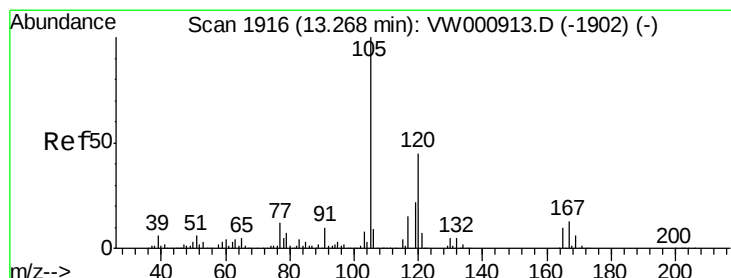
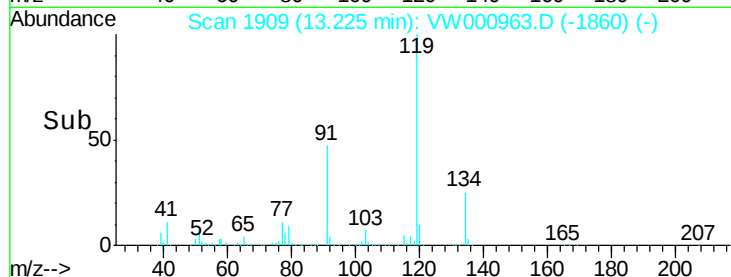
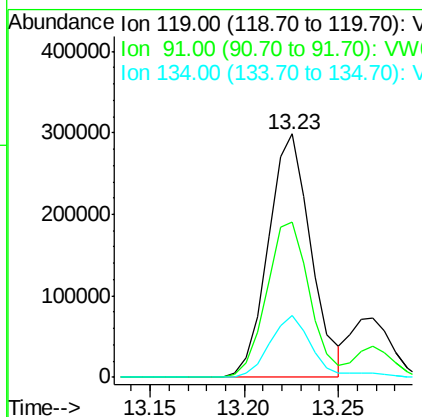
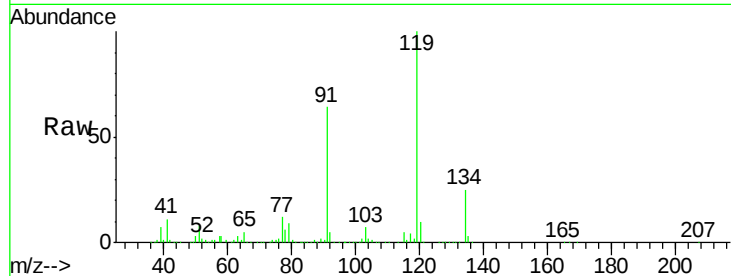
#83
tert-Butylbenzene
Concen: 54.95 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.4	97.0
134	25.7	13.1	39.3

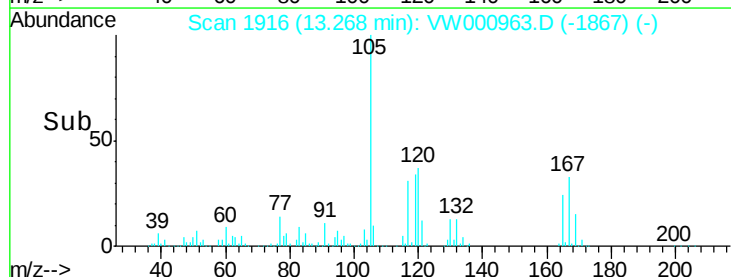
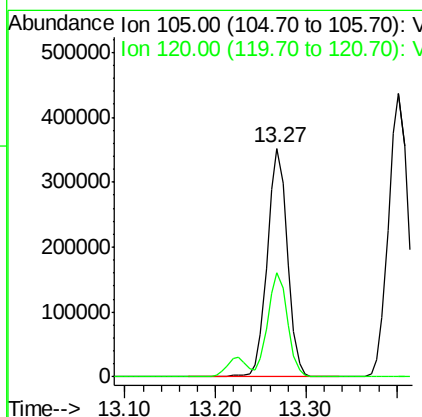
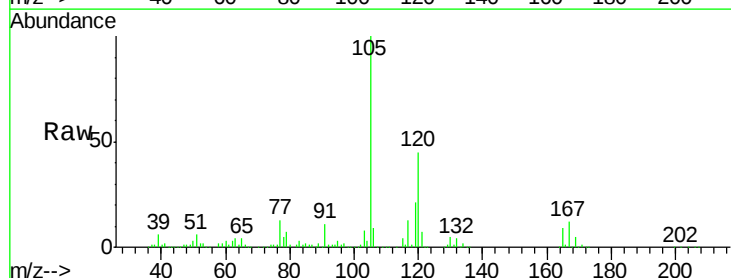
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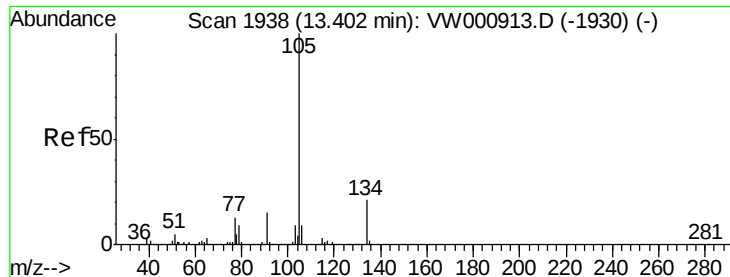
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.81 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.0





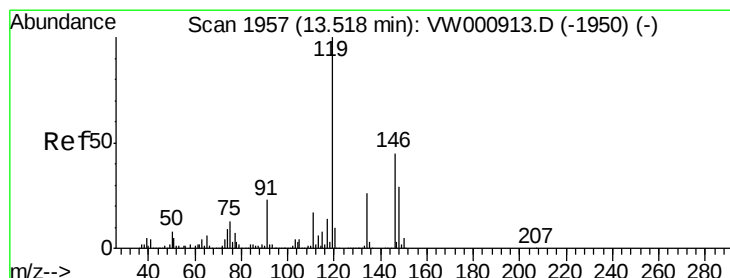
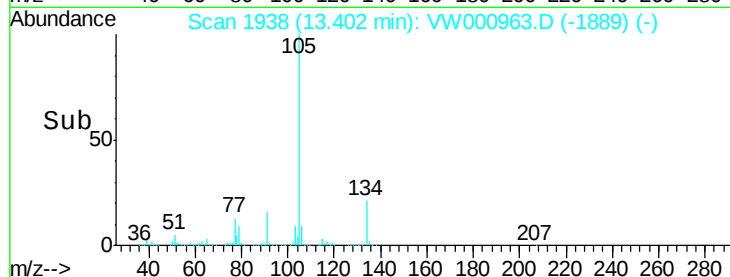
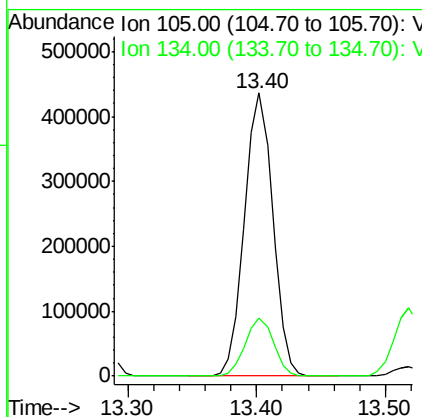
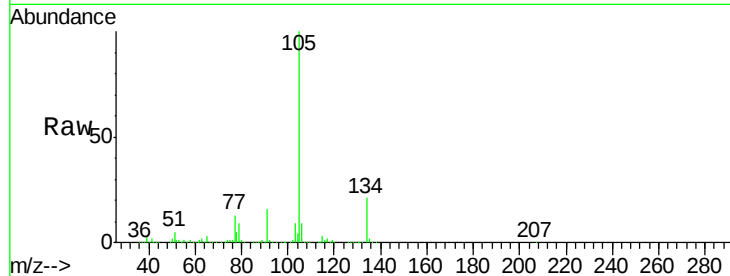
#85
 sec-Butylbenzene
 Concen: 53.97 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

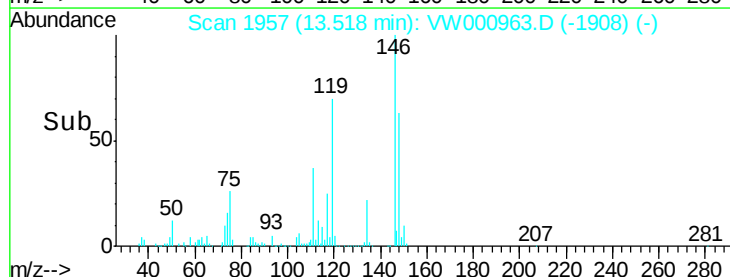
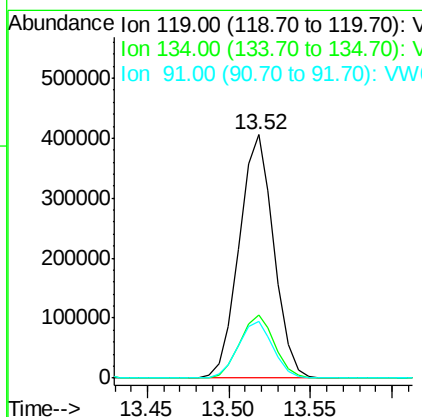
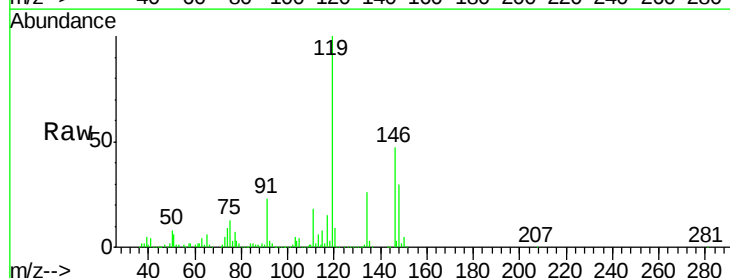
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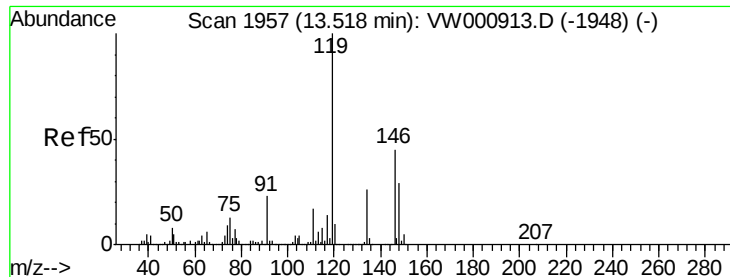
MMDadoda
 1/25/2018 1:34:00 PM



#86
 p-Isopropyltoluene
 Concen: 54.73 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	23.5	11.7	35.0





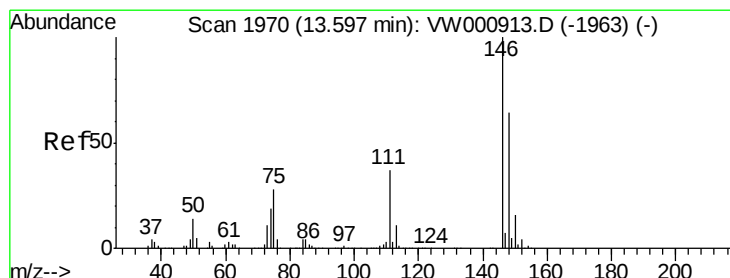
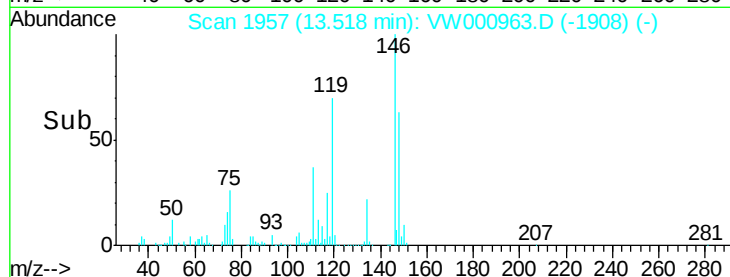
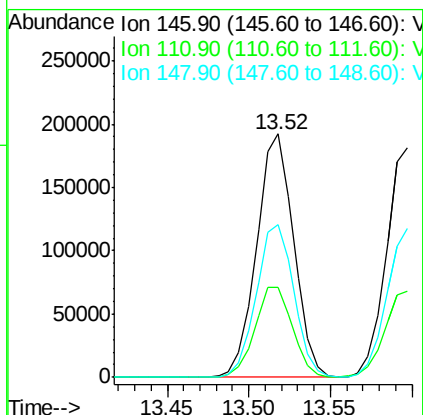
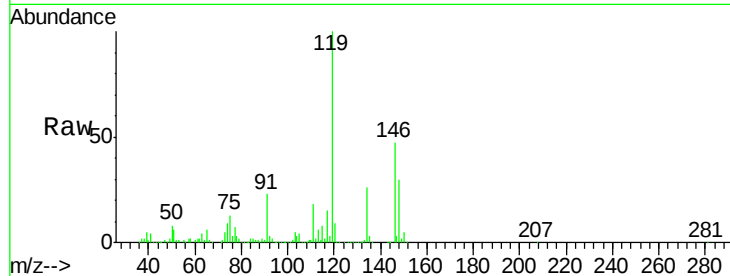
#87
 1,3-Dichlorobenzene
 Concen: 52.72 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.0
148	63.5	32.4	97.0

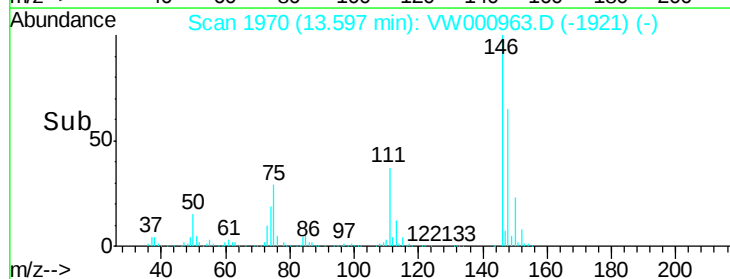
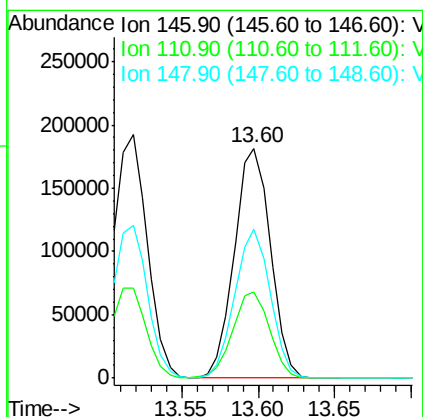
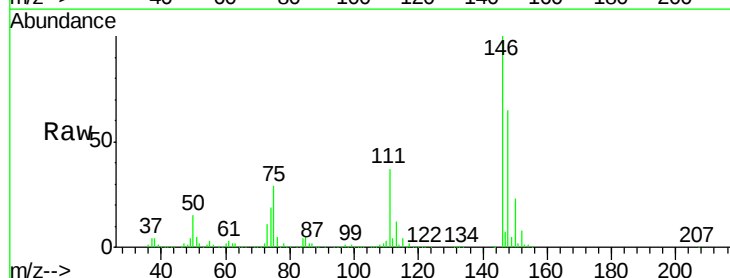
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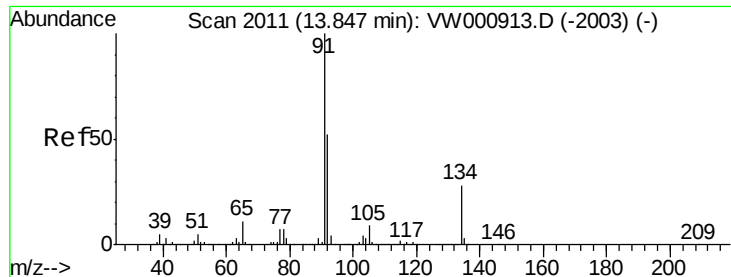
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 51.77 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	63.6	32.4	97.2





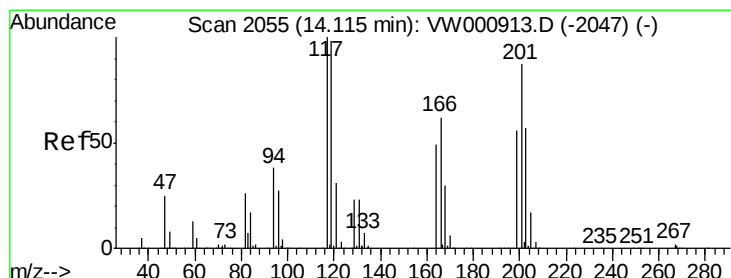
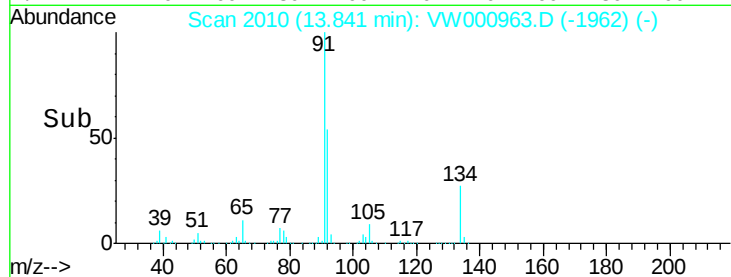
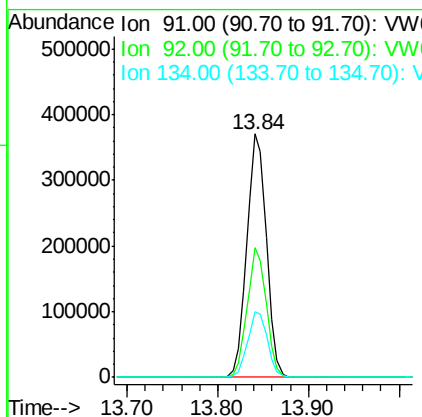
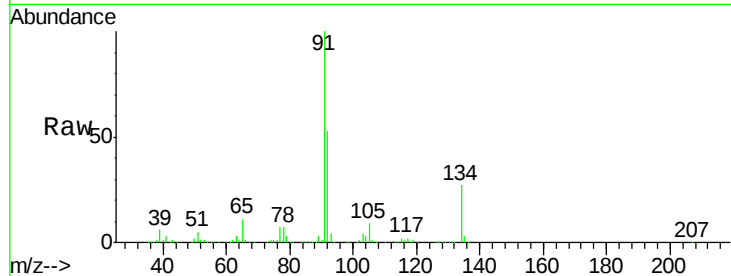
#89
n-Butylbenzene
Concen: 53.94 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	27.2	13.7	41.1

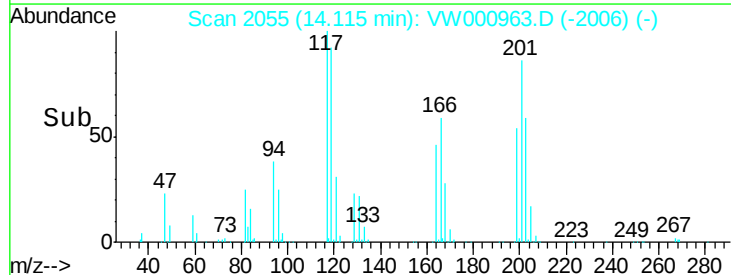
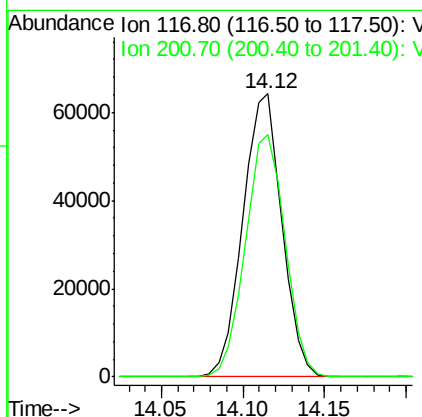
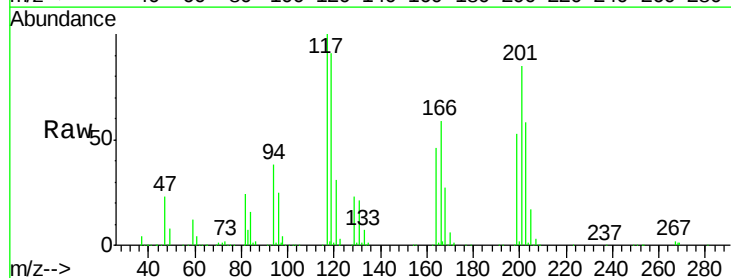
Manual Integrations
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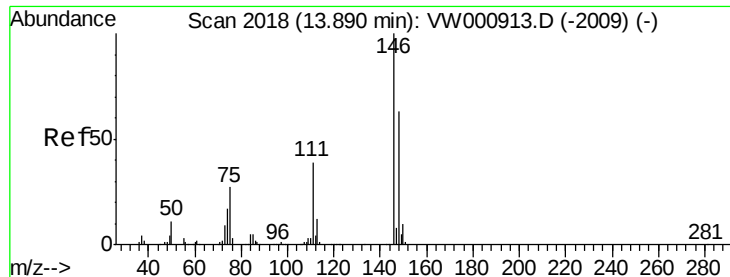
MM Dadoda
1/25/2018 1:34:00 PM



#90
Hexachloroethane
Concen: 52.77 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.8	128.3





#91

1,2-Dichlorobenzene

Concen: 53.25 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VW000963.D

Acq: 24 Jan 2018 22:21

Instrument :

MSVOA_W

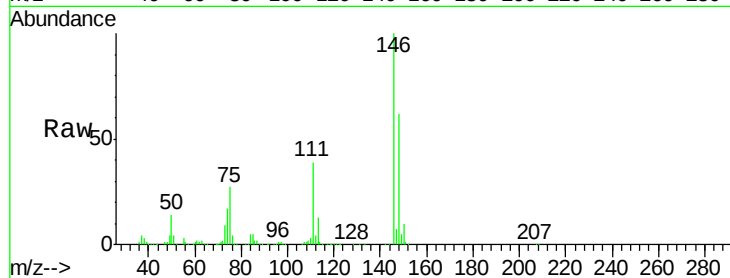
ClientSampleId :

VSTDCCC050

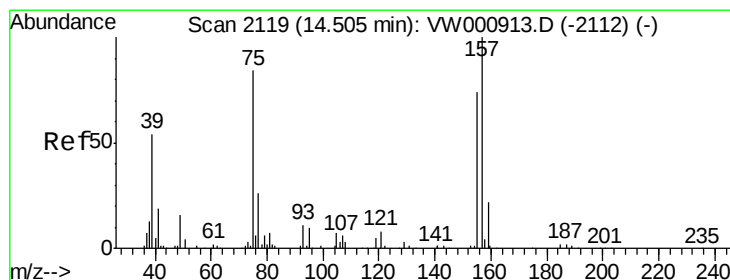
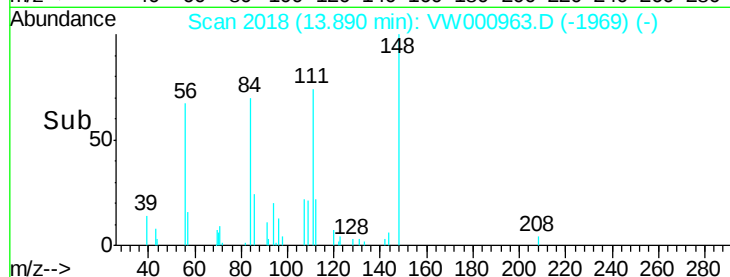
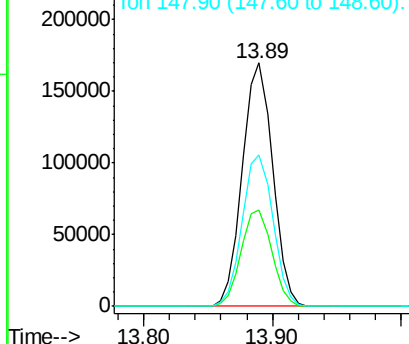
Tot Ion:	146	Resp:	276730
Ion Ratio		Lower	Upper
146	100		
111	40.3	19.8	59.4
148	63.2	31.8	95.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.80 ug/l

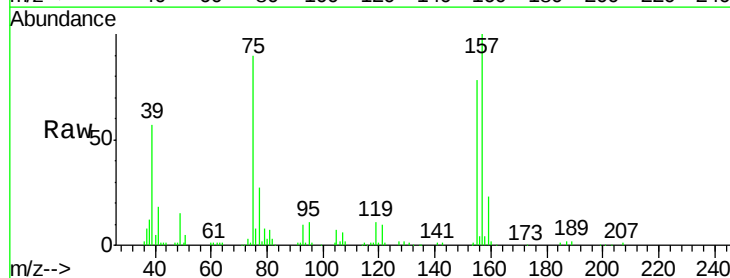
RT: 14.51 min Scan# 2119

Delta R.T. 0.00 min

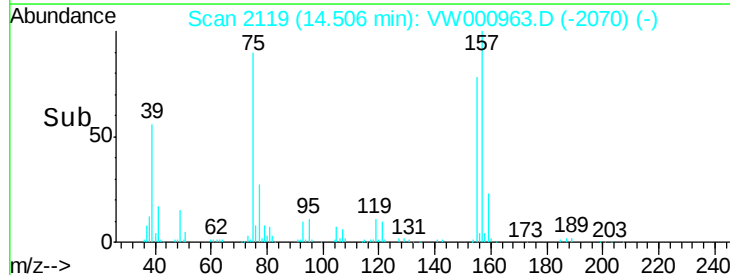
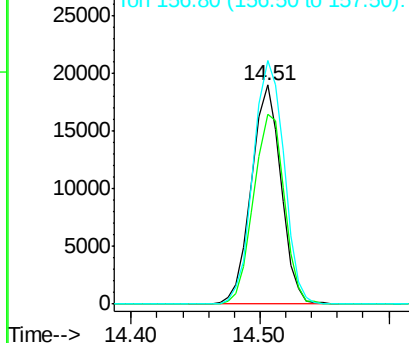
Lab File: VW000963.D

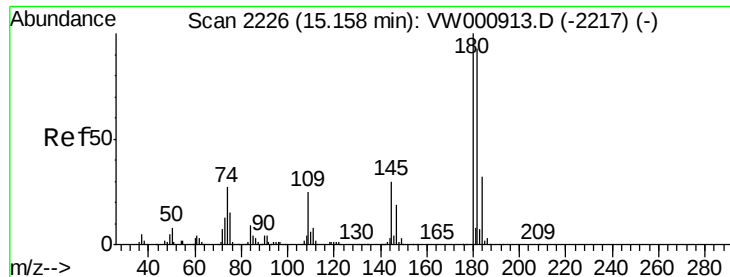
Acq: 24 Jan 2018 22:21

Tgt Ion:	75	Resp:	30091
Ion Ratio		Lower	Upper
75	100		
155	90.0	45.9	137.6
157	115.4	59.8	179.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





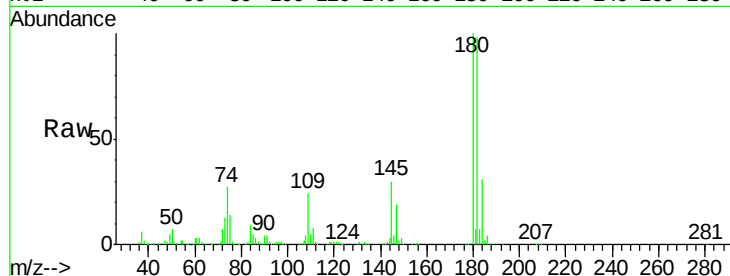
#93
 1,2,4-Trichlorobenzene
 Concen: 53.31 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

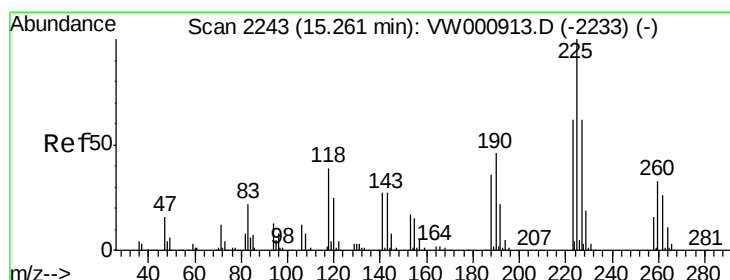
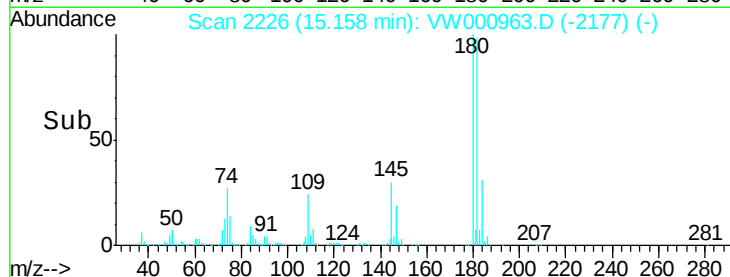
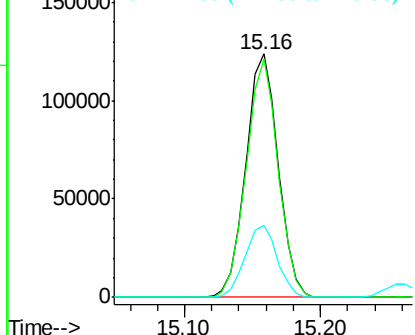
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	29.7	14.9	44.7

Manual Integrations
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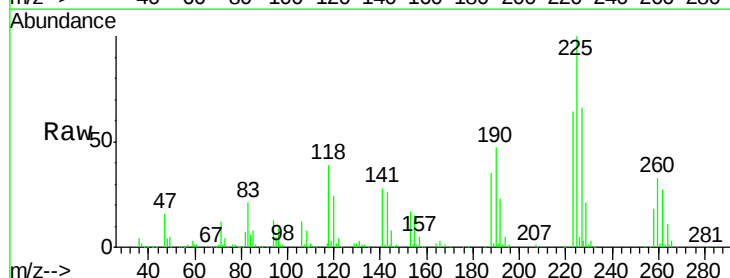


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

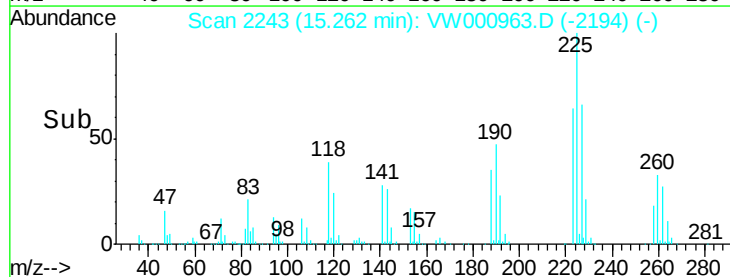
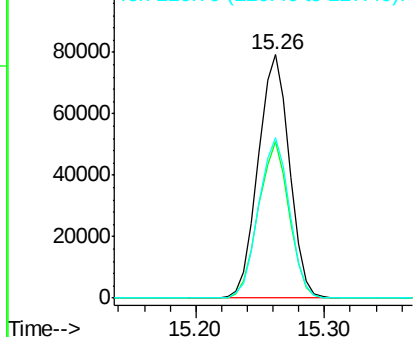


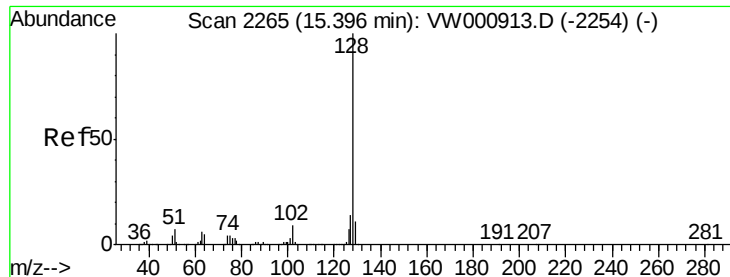
#94
 Hexachlorobutadiene
 Concen: 54.18 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000963.D
 Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	64.8	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





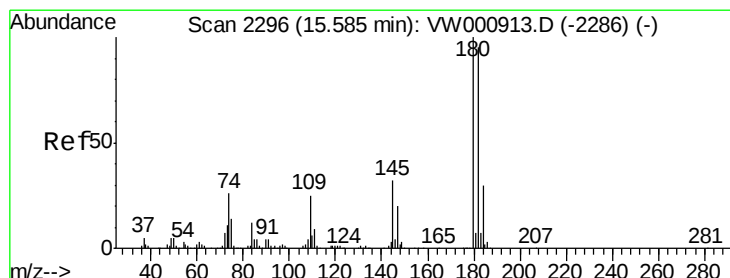
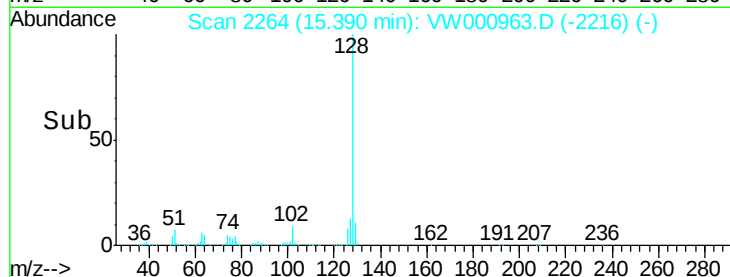
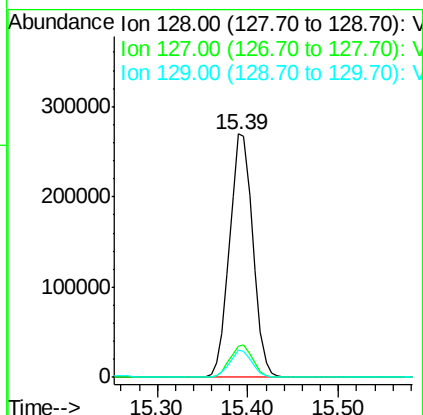
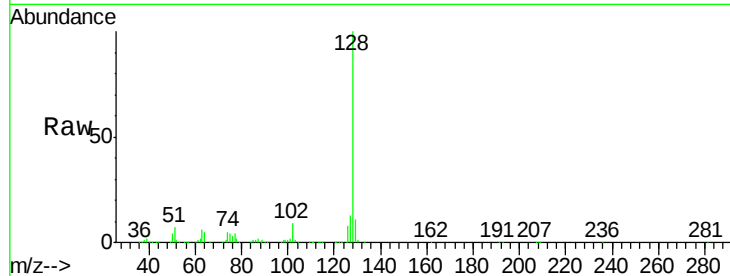
#95
Naphthalene
Concen: 58.79 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. -0.01 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	480651		
127	13.1		10.6	15.8
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.93 ug/l
RT: 15.58 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VW000963.D
Acq: 24 Jan 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	195708		
182	94.6		47.4	142.3
145	31.8		15.8	47.3

