

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001116.D
 Acq On : 29 Jan 2018 12:54
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/30/2018 5:46:52 PM

Quant Time: Jan 30 00:57:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 00:46:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	390226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	211953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	57990	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	
35) Dibromofluoromethane	7.88	113	50959	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
50) Toluene-d8	10.33	98	206267	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	12.63	95	74393	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	48700	19.06	ug/l	98
3) Chloromethane	2.22	50	44970	20.15	ug/l	97
4) Vinyl Chloride	2.36	62	44093	19.84	ug/l	98
5) Bromomethane	2.73	94	31661	20.51	ug/l	97
6) Chloroethane	2.90	64	24422	19.36	ug/l	96
7) Trichlorofluoromethane	3.25	101	80593	19.52	ug/l	98
8) Diethyl Ether	3.68	74	20151	18.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	56077	20.41	ug/l	99
10) Methyl Iodide	4.26	142	52203	18.00	ug/l	98
11) Tert butyl alcohol	5.20	59	21383	90.43	ug/l	95
12) 1,1-Dichloroethene	4.02	96	47470	19.78	ug/l	99
13) Acrolein	3.89	56	37523	99.19	ug/l	97
14) Allyl chloride	4.66	41	67624	18.86	ug/l	97
15) Acrylonitrile	5.37	53	67667	92.75	ug/l	100
16) Acetone	4.14	43	73659	95.56	ug/l	96
17) Carbon Disulfide	4.36	76	145258	19.49	ug/l	98
18) Methyl Acetate	4.68	43	32822	17.96	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	119997	19.32	ug/l	97
20) Methylene Chloride	4.90	84	54797	20.02	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	52511	19.59	ug/l	99
22) Diisopropyl ether	6.32	45	139909	20.37	ug/l	96
23) Vinyl Acetate	6.26	43	368828	89.61	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89426	19.95	ug/l	100
25) 2-Butanone	7.18	43	90804	89.75	ug/l	99
26) 2,2-Dichloropropane	7.17	77	87785	19.80	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56879	19.89	ug/l	99
28) Bromochloromethane	7.51	49	36595	20.09	ug/l	# 100
29) Tetrahydrofuran	7.53	42	53372	92.37	ug/l	100
30) Chloroform	7.68	83	96378	19.84	ug/l	99
31) Cyclohexane	7.95	56	84333	19.39	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	91639	19.94	ug/l	100
36) 1,1-Dichloropropene	8.08	75	75514	19.94	ug/l	100
37) Ethyl Acetate	7.26	43	36880	18.42	ug/l	99
38) Carbon Tetrachloride	8.07	117	82970	19.61	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86854	19.42	ug/l	96
40) Benzene	8.32	78	210093	20.03	ug/l	100
41) Methacrylonitrile	7.49	41	21180	19.07	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65632	19.90	ug/l	99
43) Isopropyl Acetate	8.43	43	65878	19.12	ug/l	99
44) Trichloroethene	9.09	130	62778	19.94	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50537	20.01	ug/l	95
46) Dibromomethane	9.46	93	31269	19.80	ug/l	99
47) Bromodichloromethane	9.65	83	70712	19.79	ug/l	99
48) Methyl methacrylate	9.45	41	30761	18.68	ug/l	98
49) 1,4-Dioxane	9.45	88	11075	393.58	ug/l	95
51) 4-Methyl-2-Pentanone	10.22	43	177787	94.45	ug/l	99
52) Toluene	10.40	92	136896	20.33	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	70207	19.47	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	78842	19.59	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44909	19.95	ug/l	98
56) Ethyl methacrylate	10.66	69	50335	19.07	ug/l	99
57) 1,3-Dichloropropane	10.95	76	72478	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	121233	86.04	ug/l	100
59) 2-Hexanone	10.98	43	133662	93.86	ug/l	98
60) Dibromochloromethane	11.14	129	53353	19.45	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43551	19.18	ug/l	98
64) Tetrachloroethene	10.87	164	61937	19.74	ug/l	96
65) Chlorobenzene	11.67	112	156911	19.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	56518	19.67	ug/l	98
67) Ethyl Benzene	11.74	91	257929	19.63	ug/l	98
68) m/p-Xylenes	11.85	106	205954	40.24	ug/l	98
69) o-Xylene	12.18	106	94796	20.08	ug/l	98
70) Styrene	12.19	104	156954	20.23	ug/l	99
71) Bromoform	12.36	173	35729	19.24	ug/l	# 97
73) Isopropylbenzene	12.48	105	264358	19.91	ug/l	99
74) N-amyl acetate	12.29	43	58732	19.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	52674	19.40	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39378m	15.25	ug/l	
77) Bromobenzene	12.76	156	67852	19.69	ug/l	99
78) n-propylbenzene	12.82	91	319066	20.07	ug/l	100
79) 2-Chlorotoluene	12.91	91	182171	20.03	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	226509	19.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13953	17.08	ug/l	98
82) 4-Chlorotoluene	13.01	91	196045	20.22	ug/l	99
83) tert-Butylbenzene	13.22	119	197644	19.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	235481	20.38	ug/l	98
85) sec-Butylbenzene	13.40	105	281661	19.85	ug/l	100
86) p-Isopropyltoluene	13.52	119	252404	20.00	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	137727	20.24	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	136488	19.96	ug/l	99
89) n-Butylbenzene	13.84	91	232642	19.79	ug/l	99
90) Hexachloroethane	14.11	117	46076	19.58	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	124952	20.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10063	18.37	ug/l	96

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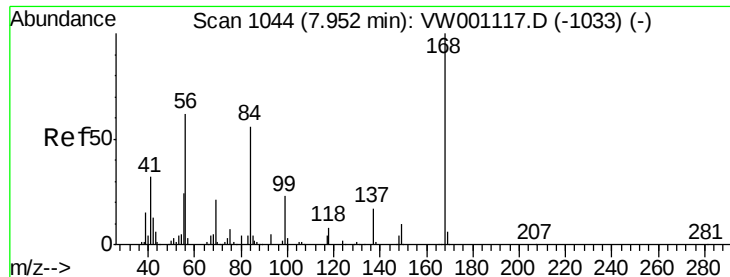
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	92757	20.24	ug/l	100
94) Hexachlorobutadiene	15.26	225	57100	20.15	ug/l	98
95) Naphthalene	15.39	128	176245	19.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	85731	20.28	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 301552

Ion Ratio Lower Upper

168 100

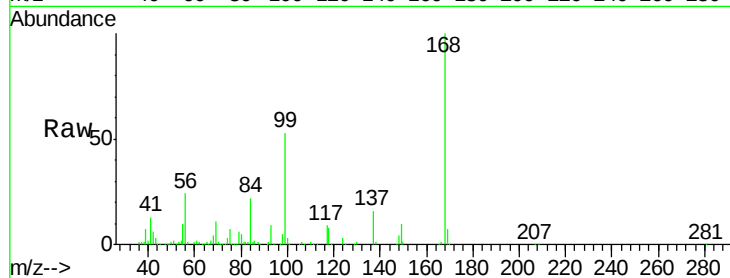
99 53.2 42.4 63.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW001117.D (-1033) (-)

Ion 98.90 (98.60 to 99.60): VW001117.D (-1033) (-)

7.95

150000

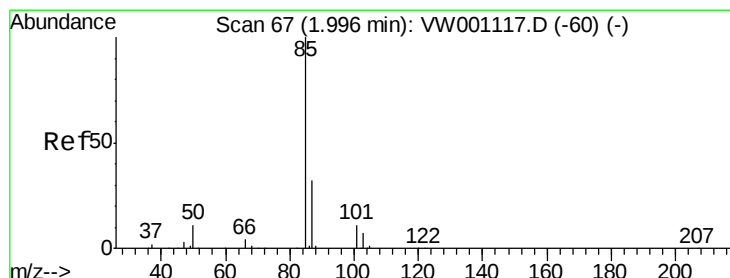
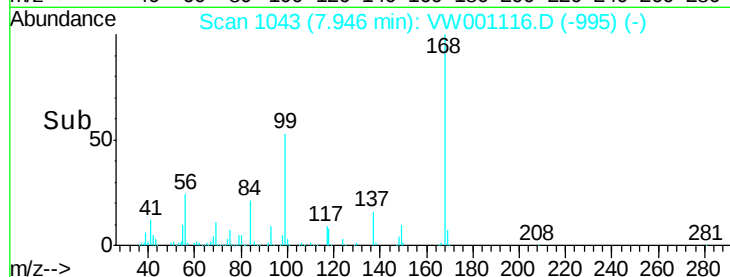
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.06 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VW001116.D

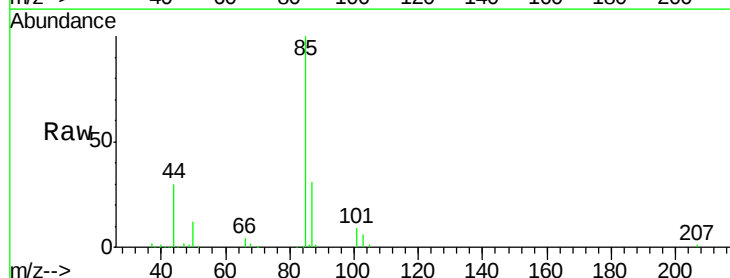
Acq: 29 Jan 2018 12:54

Tgt Ion: 85 Resp: 48700

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW001117.D (-60) (-)

Ion 86.90 (86.60 to 87.60): VW001117.D (-60) (-)

2.00

30000

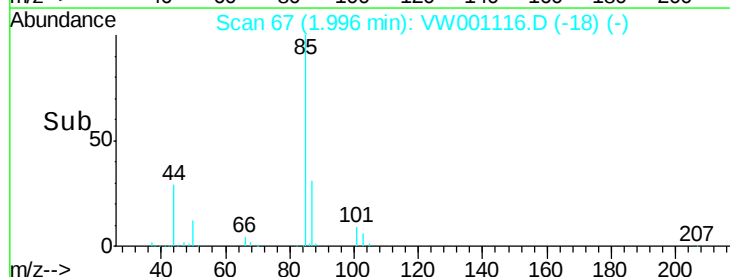
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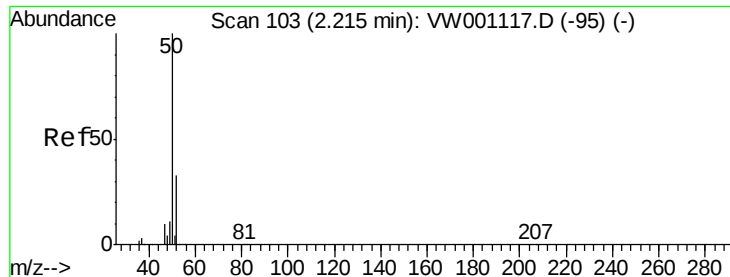
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.15 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 44970

Ion Ratio Lower Upper

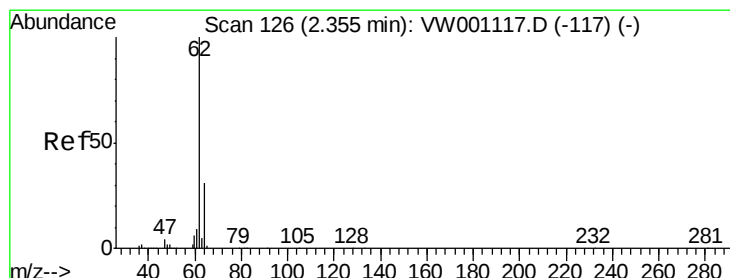
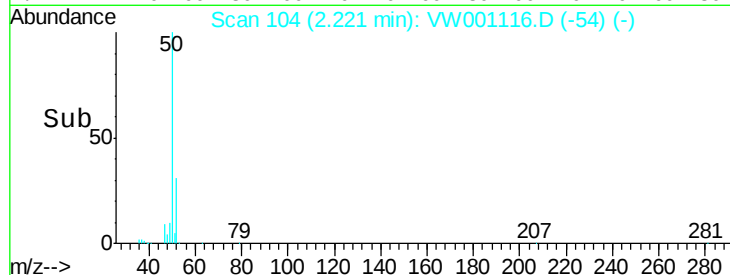
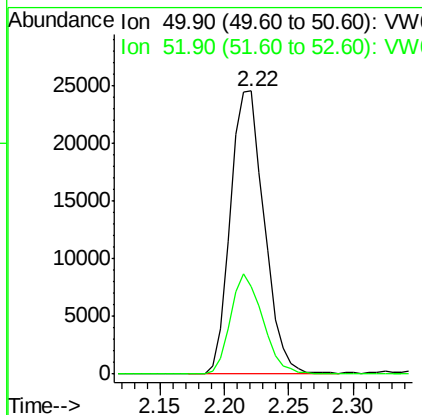
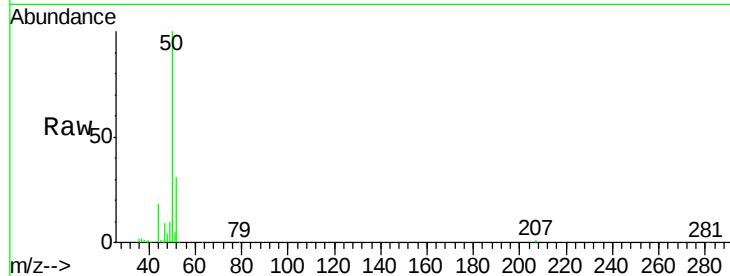
50 100

52 31.0 26.2 39.4

Manual Integrations
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1/30/2018 5:46:52 PM



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW001116.D

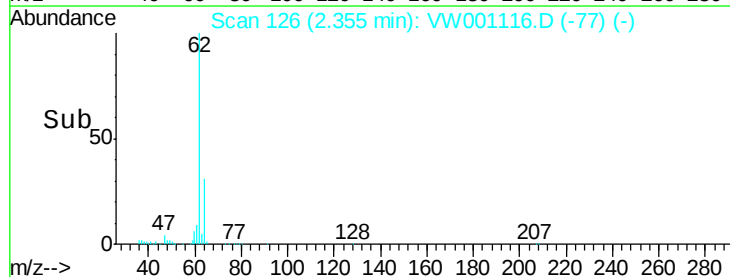
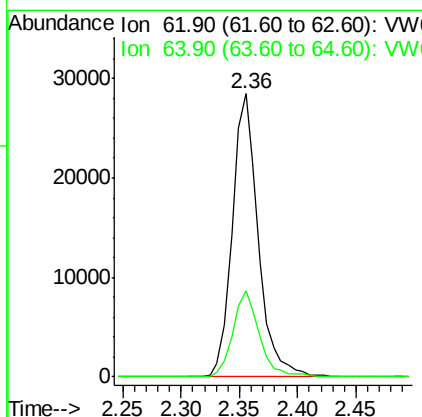
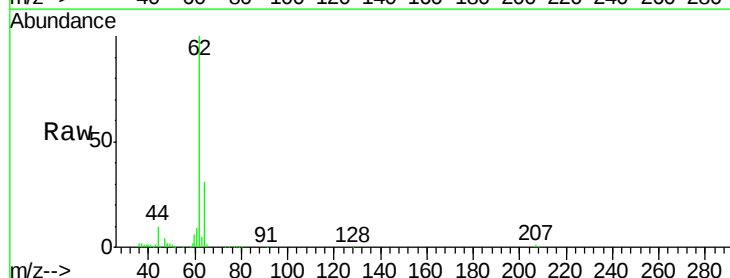
Acq: 29 Jan 2018 12:54

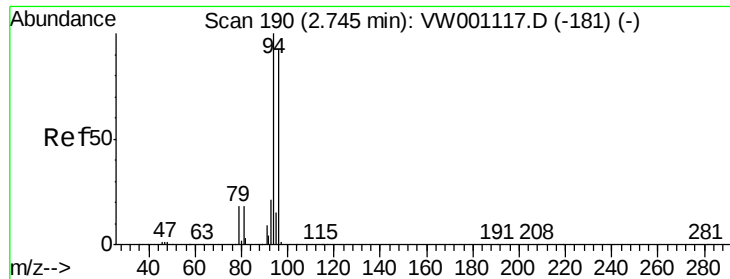
Tgt Ion: 62 Resp: 44093

Ion Ratio Lower Upper

62 100

64 30.5 25.2 37.8





#5

Bromomethane

Concen: 20.51 ug/l

RT: 2.73 min Scan# 187

Delta R.T. -0.02 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 31661

Ion Ratio Lower Upper

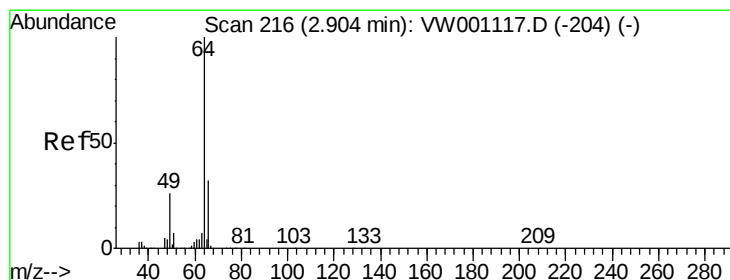
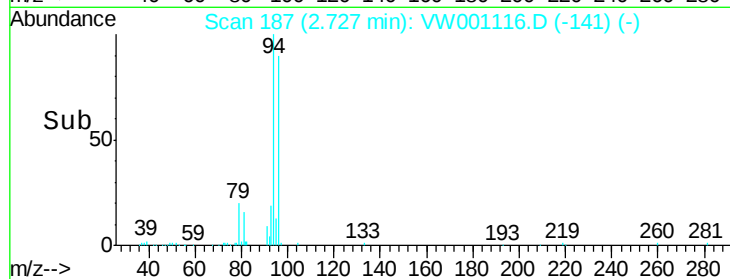
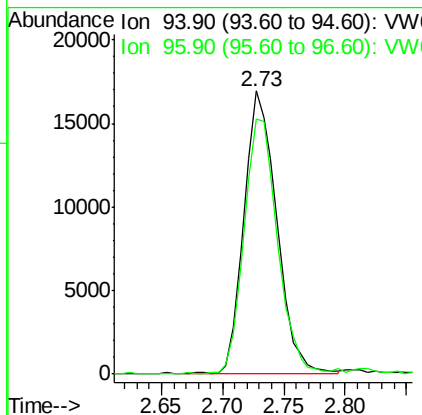
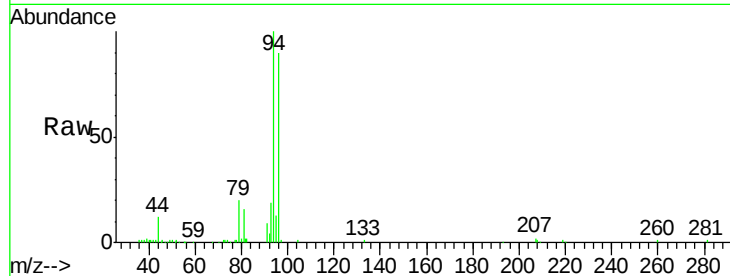
94 100

96 89.6 73.7 110.5

Manual Integrations
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#6

Chloroethane

Concen: 19.36 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW001116.D

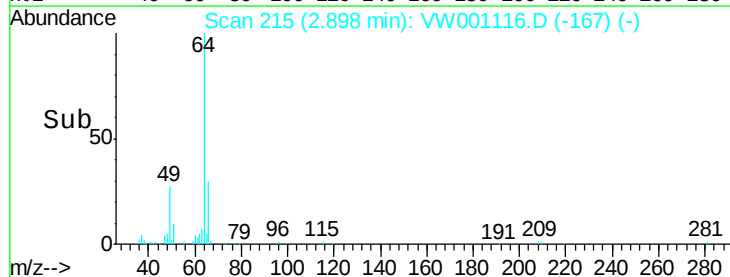
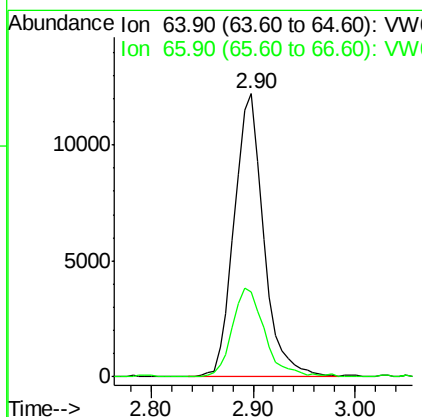
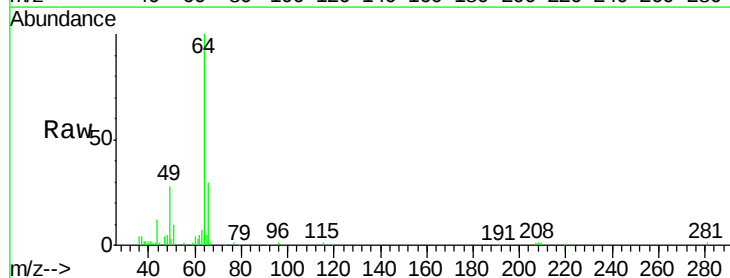
Acq: 29 Jan 2018 12:54

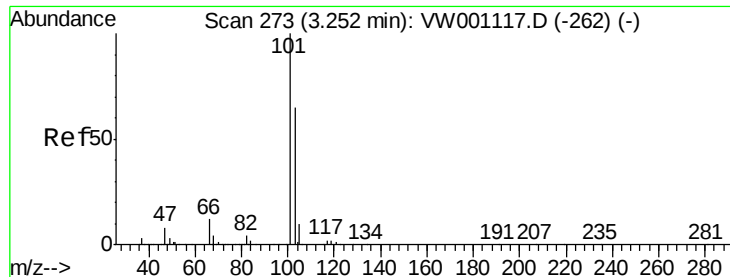
Tgt Ion: 64 Resp: 24422

Ion Ratio Lower Upper

64 100

66 30.1 25.8 38.8





#7

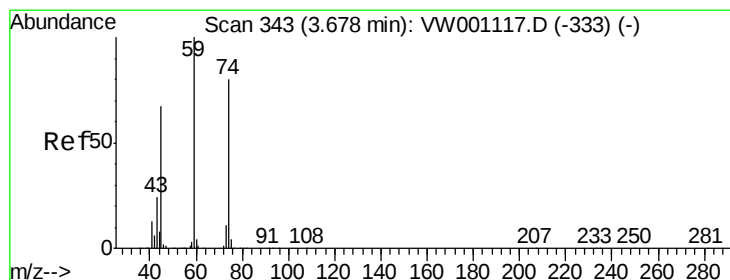
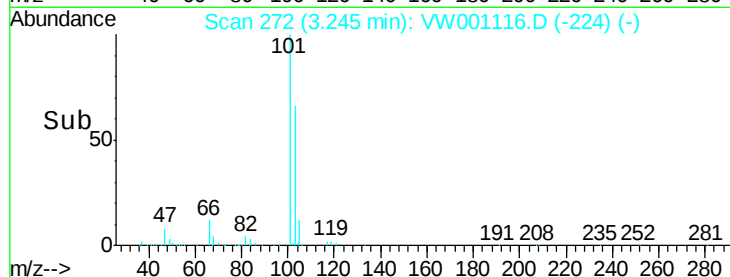
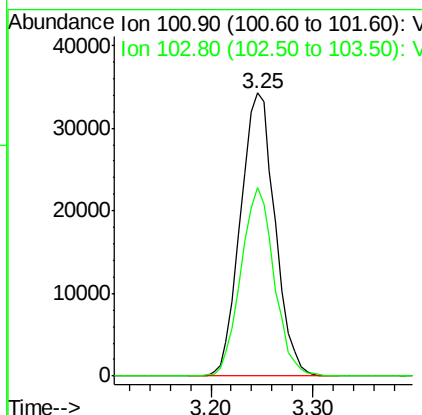
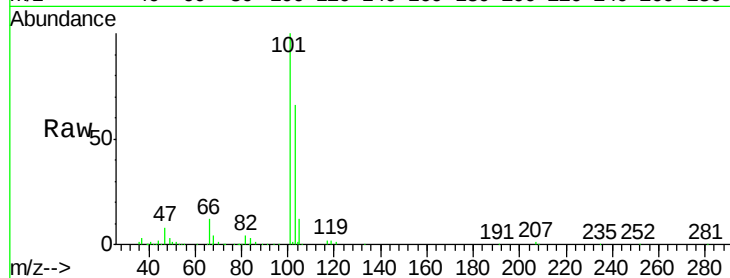
Trichlorofluoromethane
Concen: 19.52 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.9	77.9

Manual Integrations
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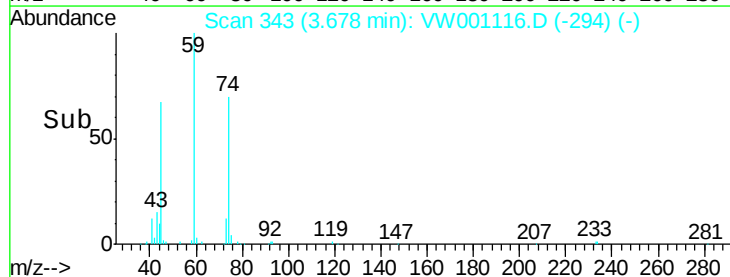
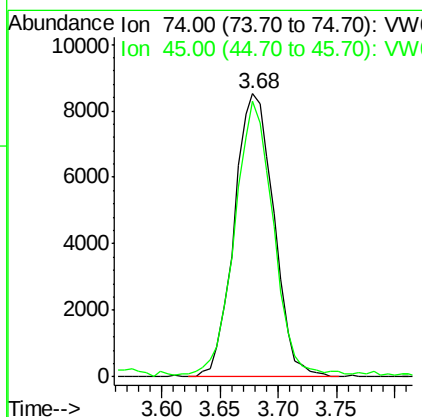
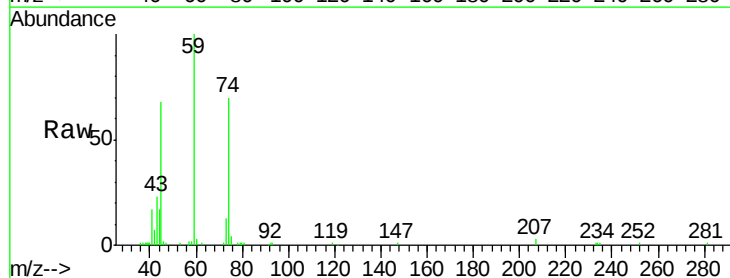
MMDadoda
1/30/2018 5:46:52 PM

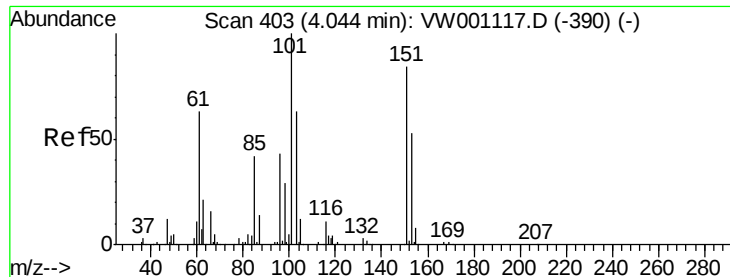


#8

Diethyl Ether
Concen: 18.75 ug/l
RT: 3.68 min Scan# 343
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.41 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

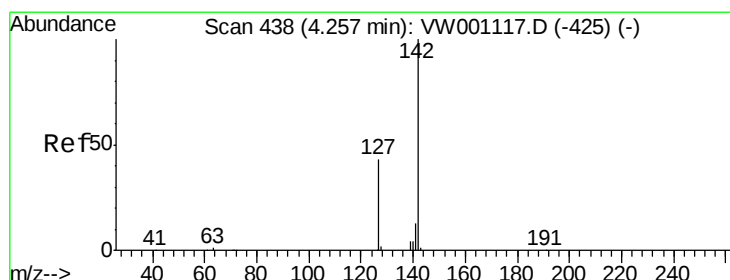
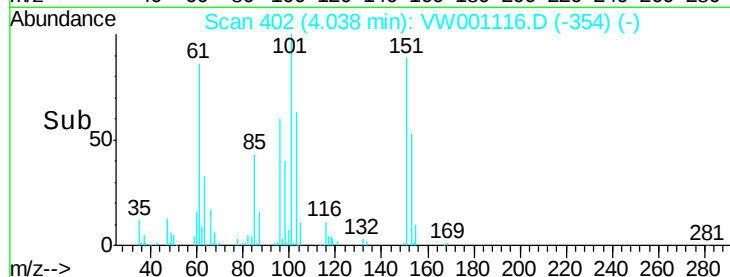
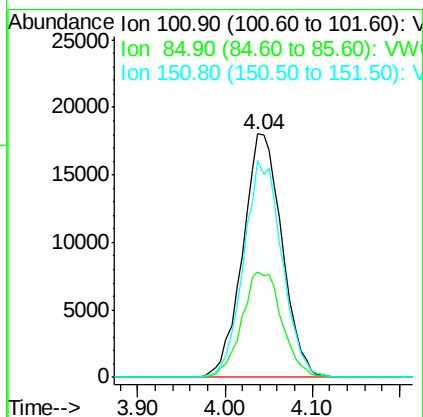
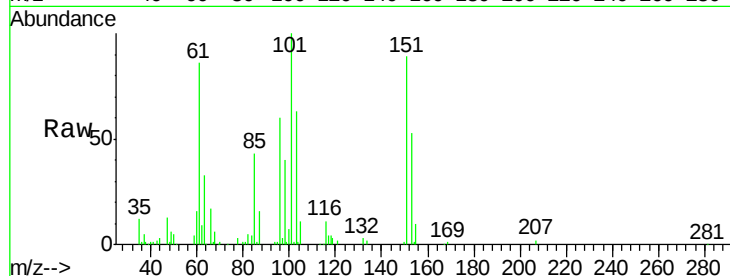
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	56077
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.9	52.3
151	87.3	68.6	103.0

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#10

Methyl Iodide

Concen: 18.00 ug/l

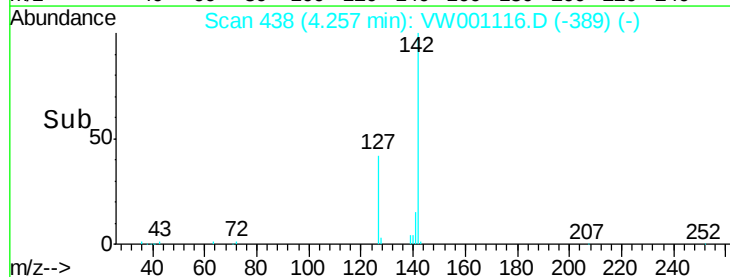
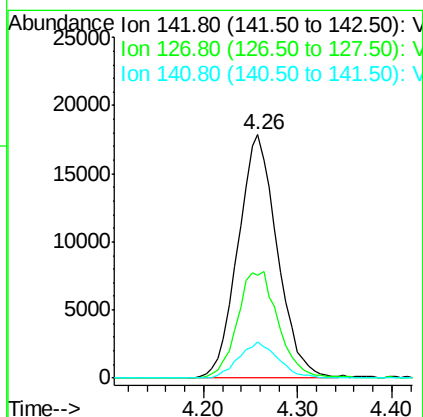
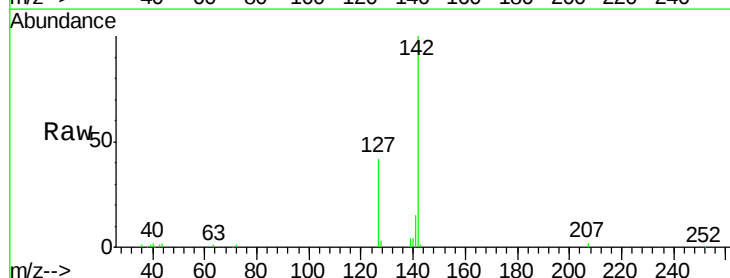
RT: 4.26 min Scan# 438

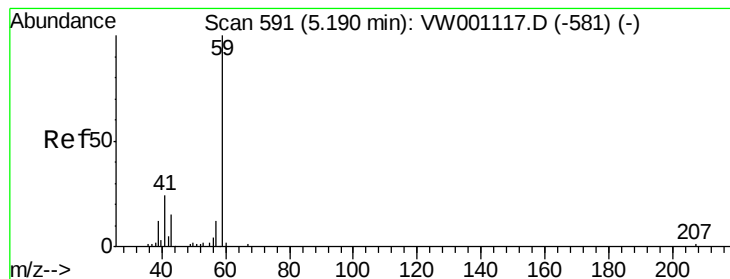
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	142	Resp:	52203
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.4	53.2
141	14.8	11.6	17.4





#11

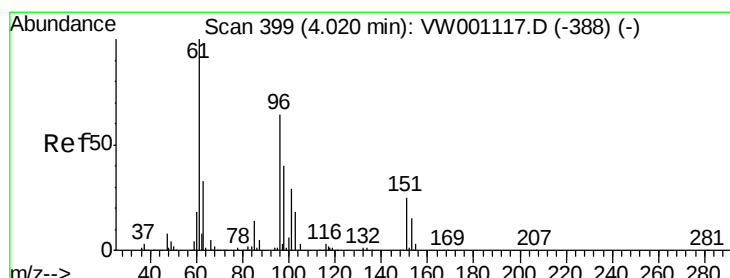
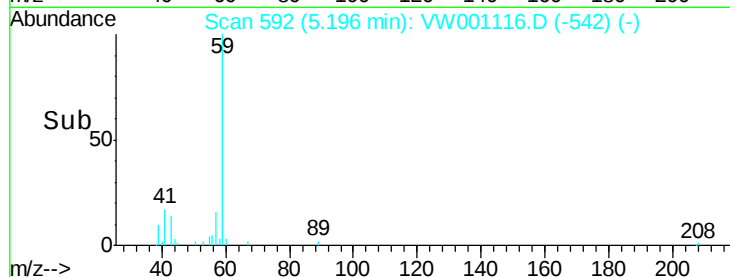
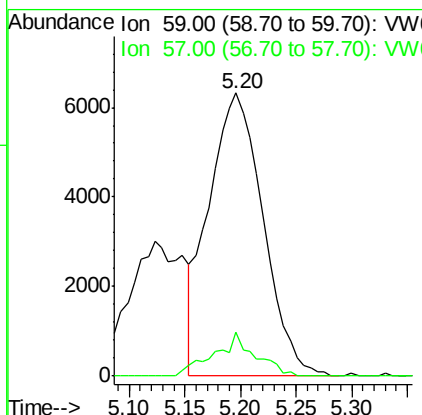
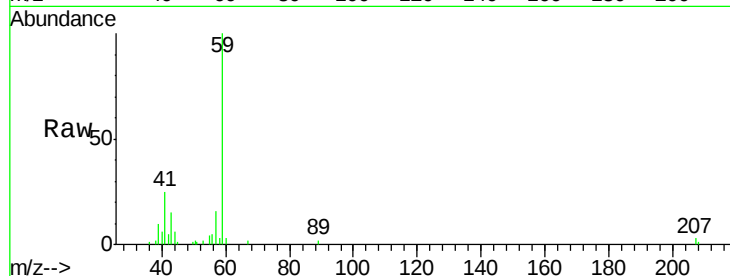
Tert butyl alcohol
Concen: 90.43 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	59	Resp	21383
Ion Ratio	100	Lower	Upper
59	100		
57	11.6	7.8	11.8

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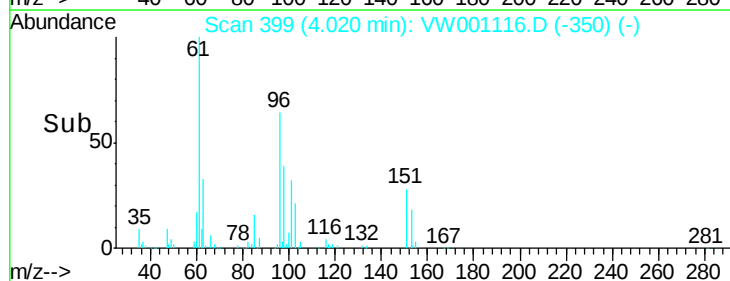
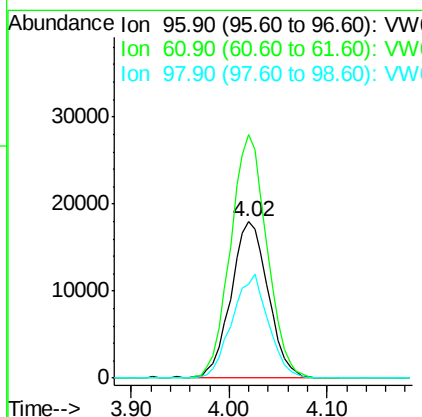
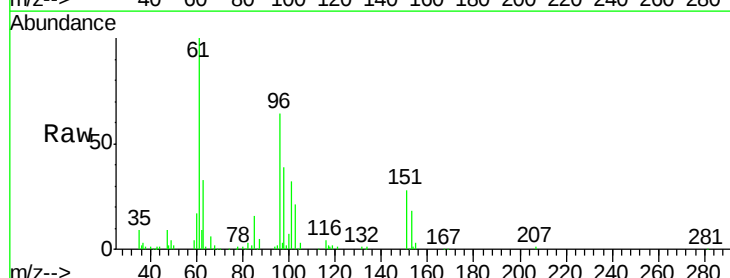
MMDadoda
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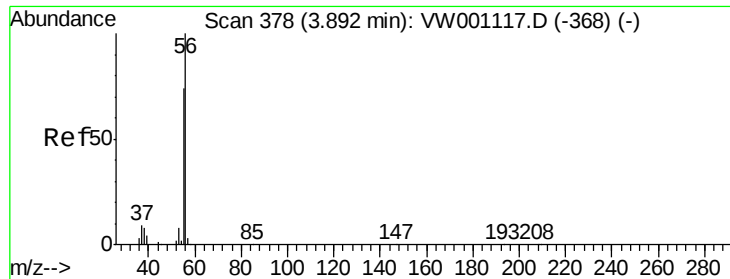


#12

1,1-Dichloroethene
Concen: 19.78 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	96	Resp	47470
Ion Ratio	100	Lower	Upper
96	100		
61	155.8	125.2	187.8
98	60.3	50.3	75.5





#13

Acrolein

Concen: 99.19 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 37523

Ion Ratio Lower Upper

56 100

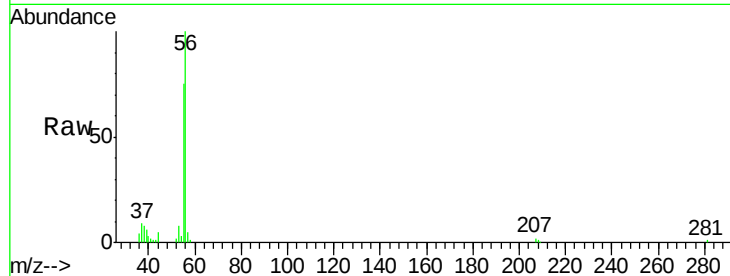
55 70.3 58.2 87.4

Manual Integrations

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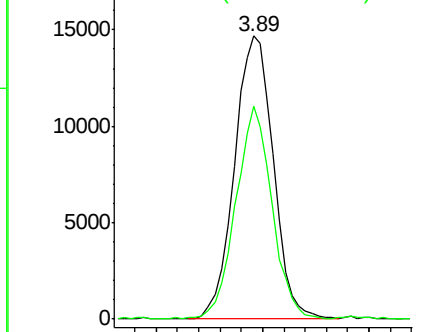
MMDadoda

1/30/2018 5:46:52 PM

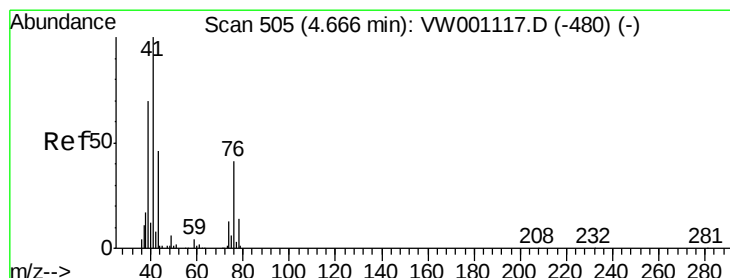
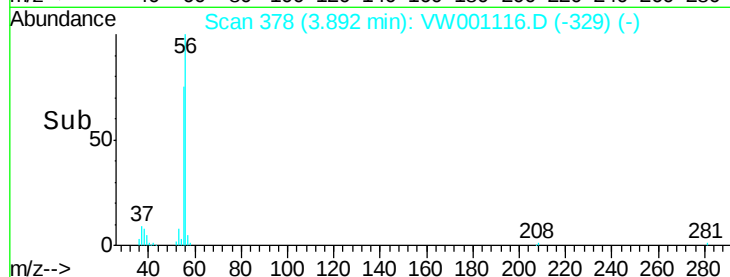


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 18.86 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

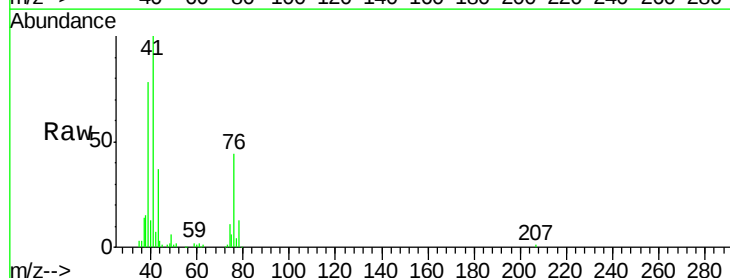
Tgt Ion: 41 Resp: 67624

Ion Ratio Lower Upper

41 100

39 72.8 55.9 83.9

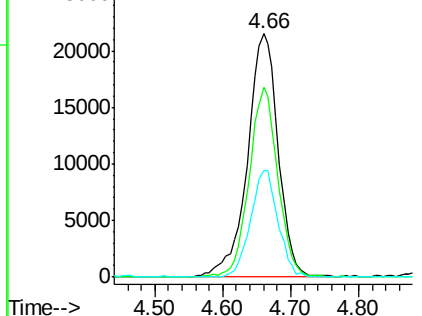
76 39.3 31.0 46.6



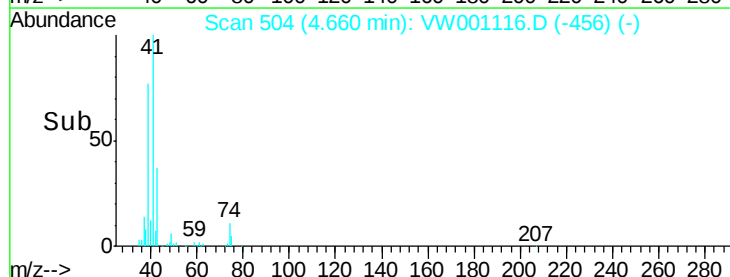
Abundance Ion 41.00 (40.70 to 41.70): VW

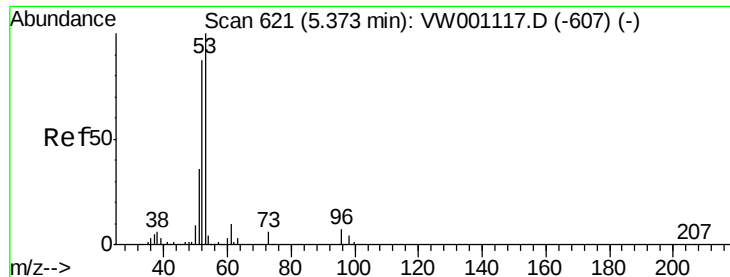
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 92.75 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

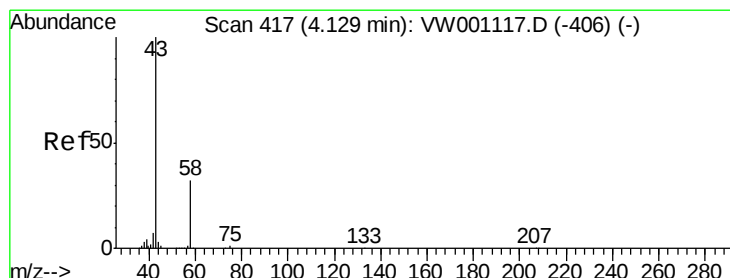
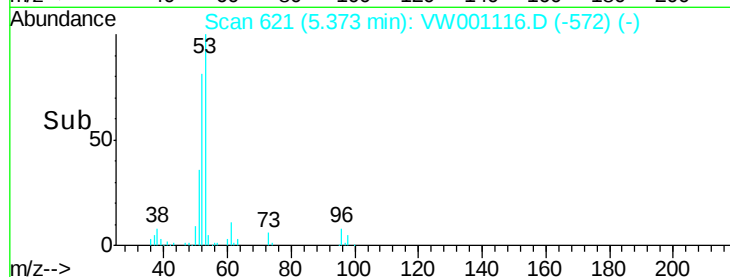
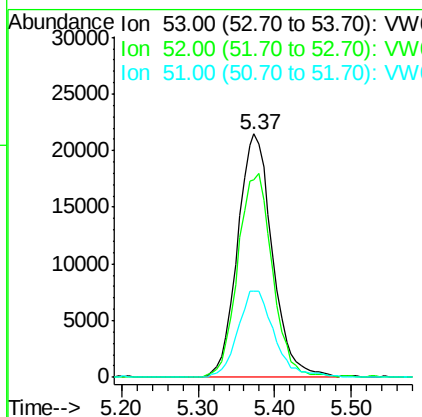
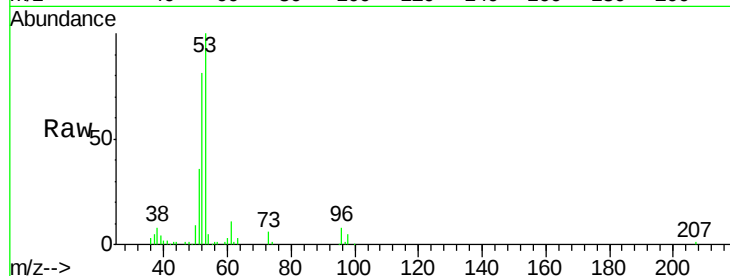
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	67667
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	37.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 95.56 ug/l

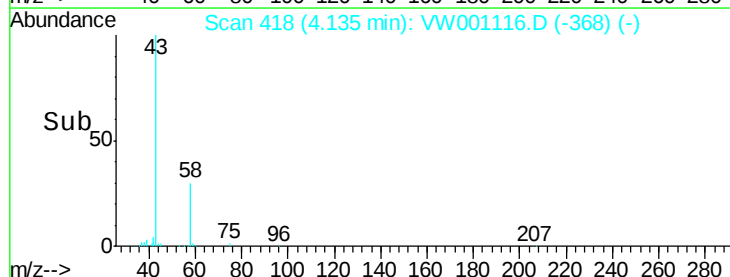
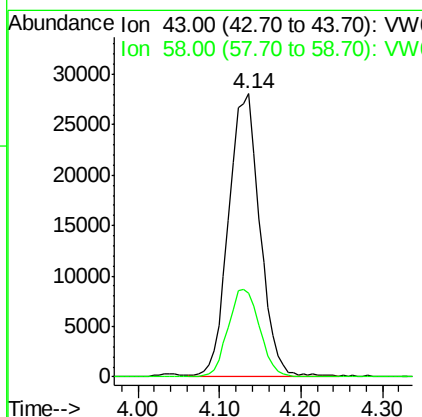
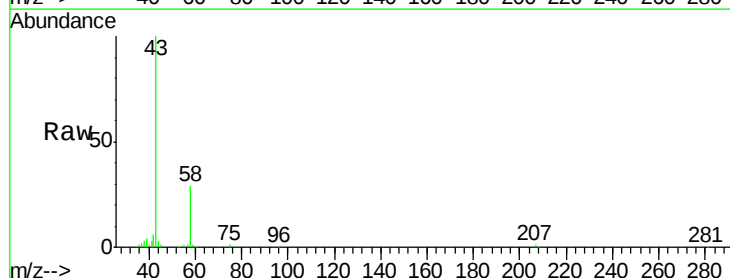
RT: 4.14 min Scan# 418

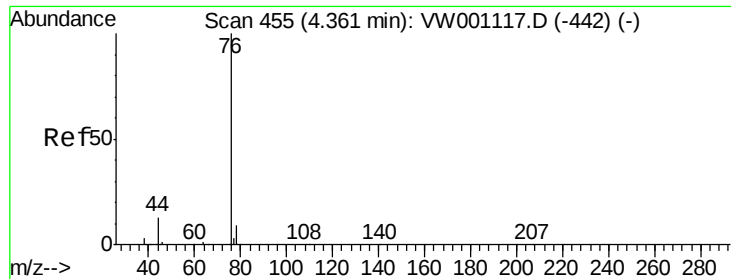
Delta R.T. 0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	43	Resp:	73659
Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.7	38.5





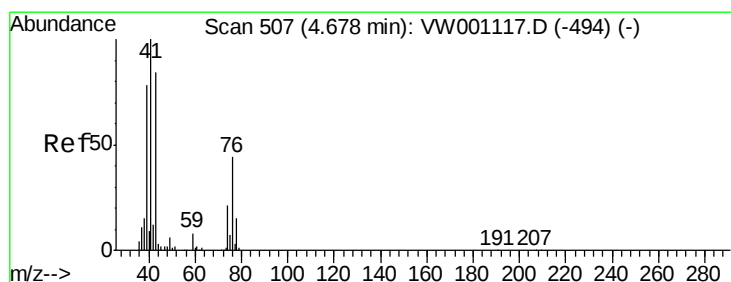
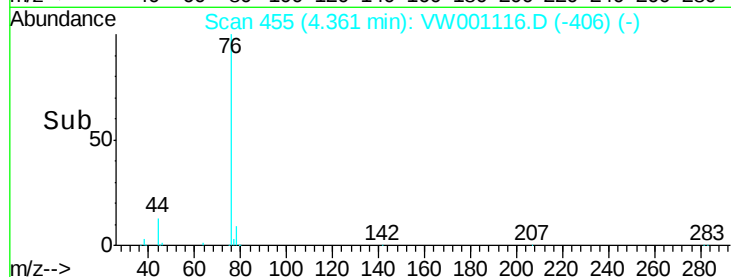
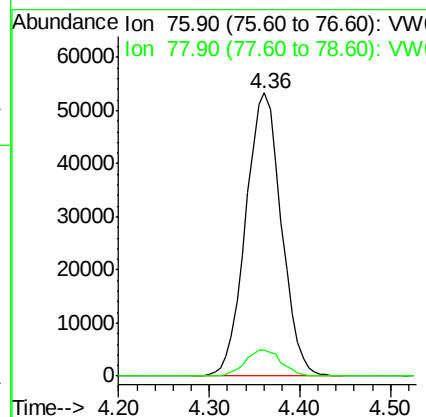
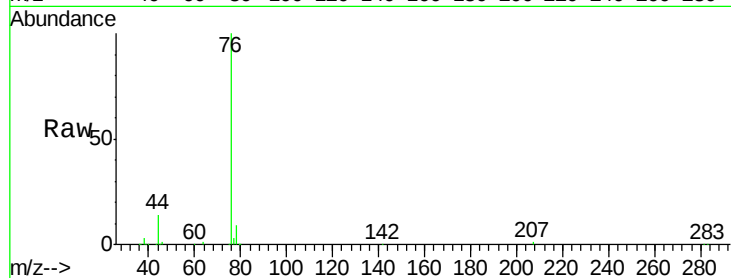
#17
Carbon Disulfide
Concen: 19.49 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

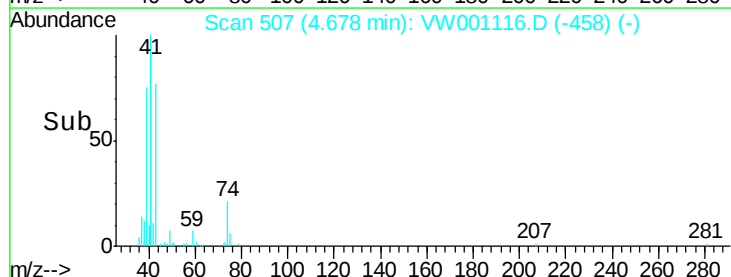
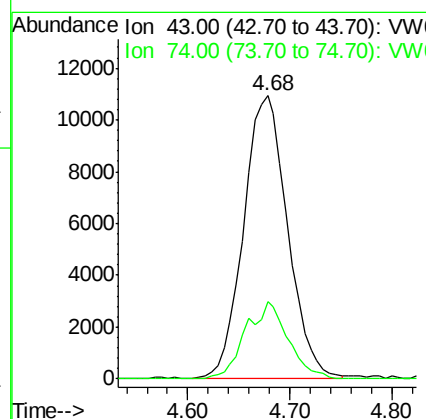
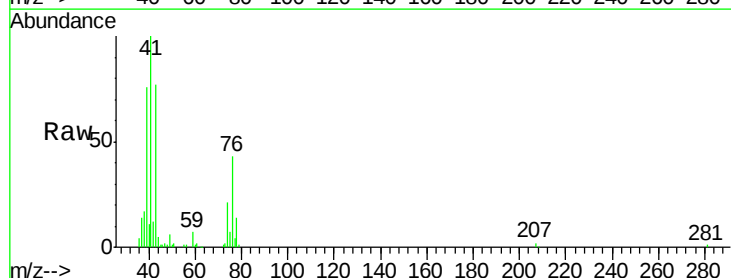
Manual Integrations
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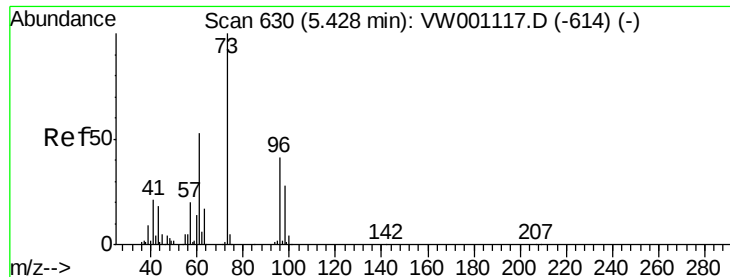
MMDadoda
1/30/2018 5:46:52 PM



#18
Methyl Acetate
Concen: 17.96 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.2	30.2





#19

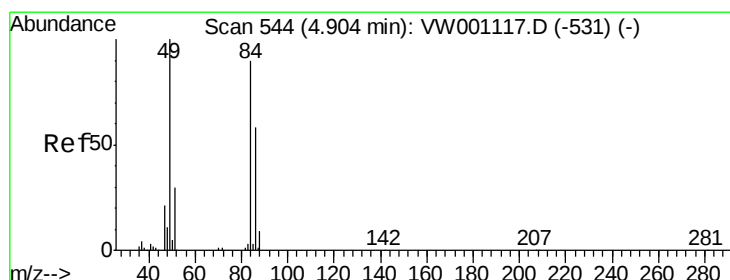
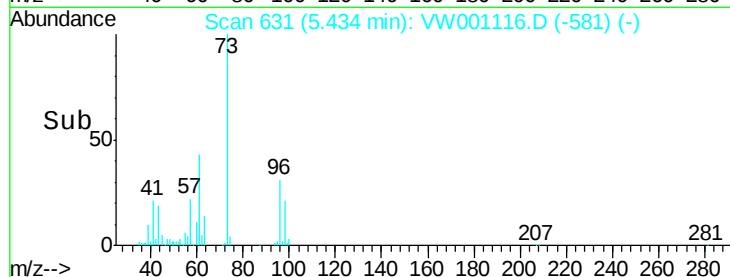
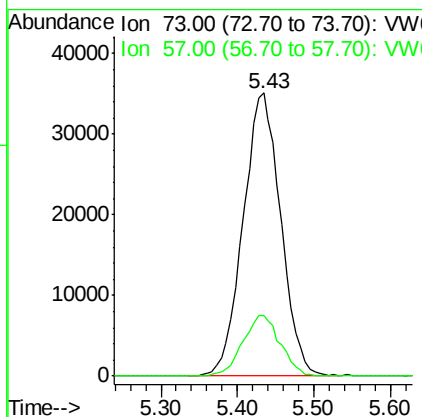
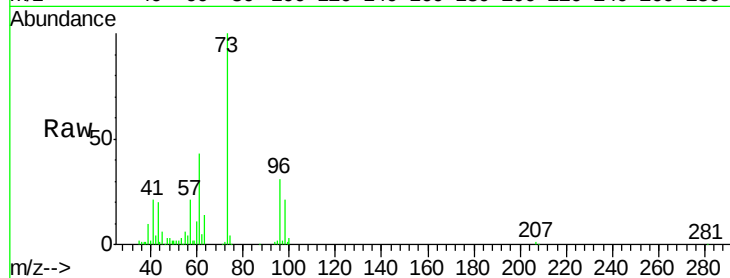
Methyl tert-butyl Ether
 Concen: 19.32 ug/l
 RT: 5.43 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.5	16.1	24.1

Manual Integrations
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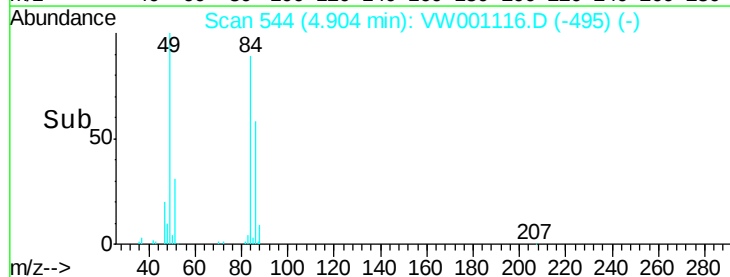
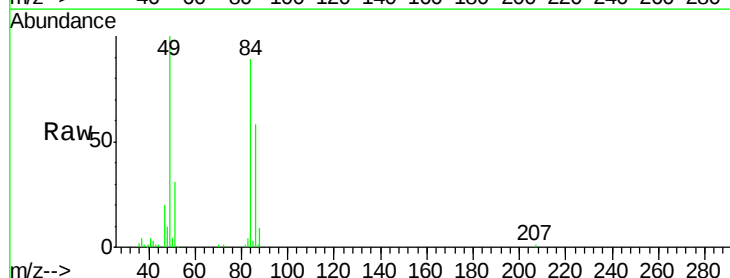
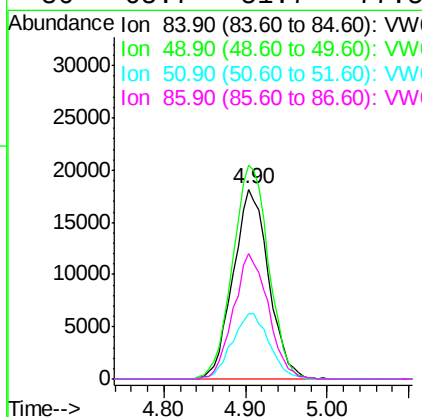
MMDadoda
 1/30/2018 5:46:52 PM

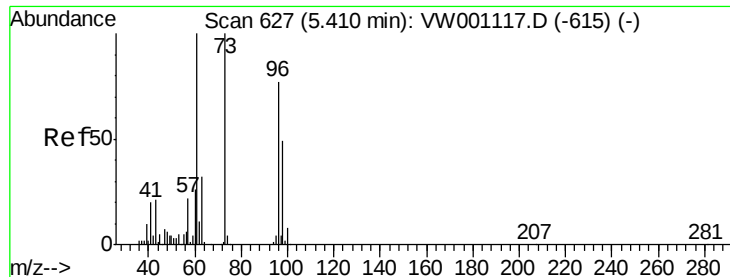


#20

Methylene Chloride
 Concen: 20.02 ug/l
 RT: 4.90 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	112.4	89.2	133.8
51	51	34.4	26.7	40.1
86	86	65.7	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 19.59 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

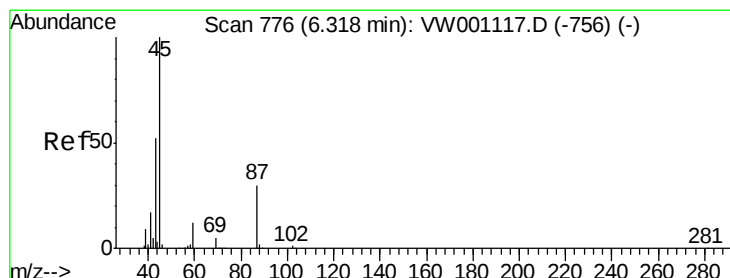
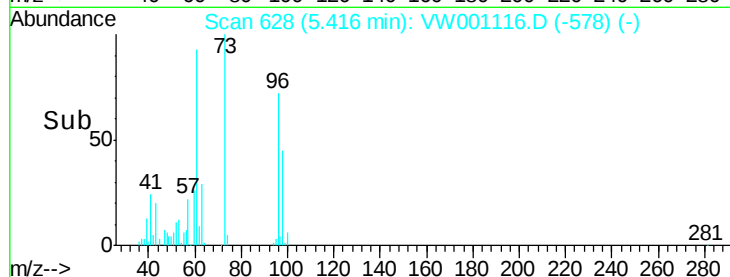
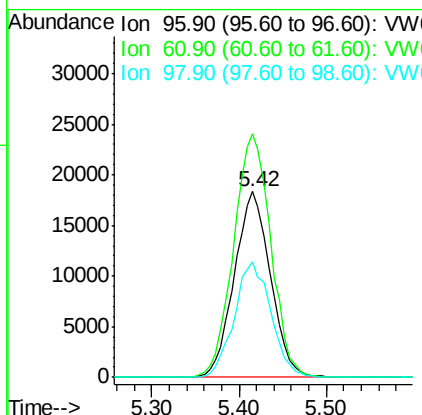
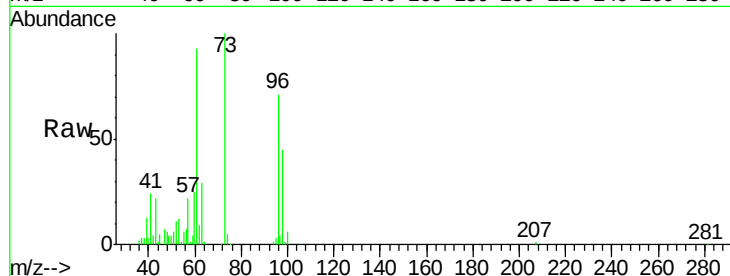
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	52511
Ion	Ratio	Lower	Upper
96	100		
61	130.9	104.6	156.8
98	62.5	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.37 ug/l

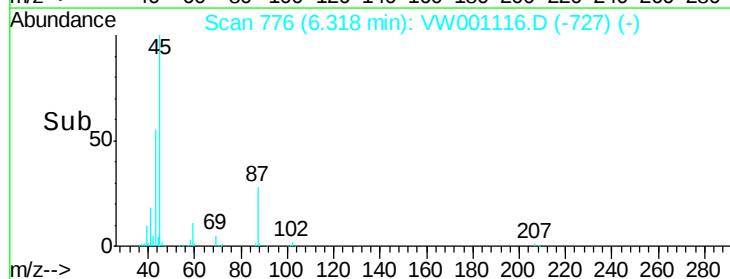
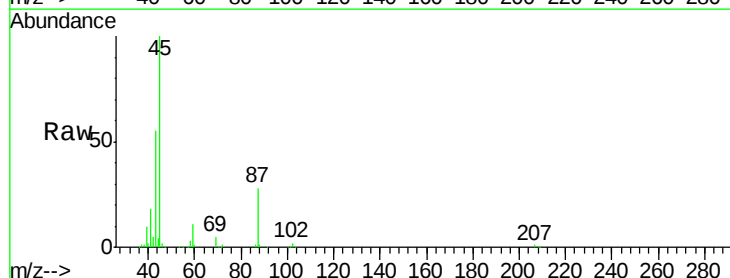
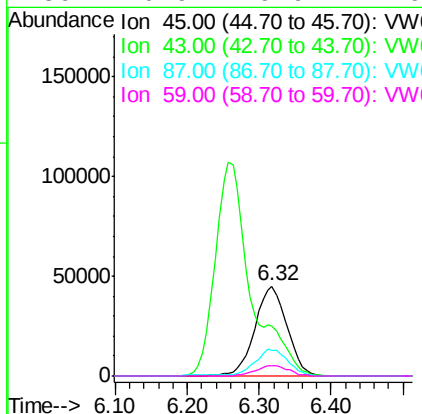
RT: 6.32 min Scan# 776

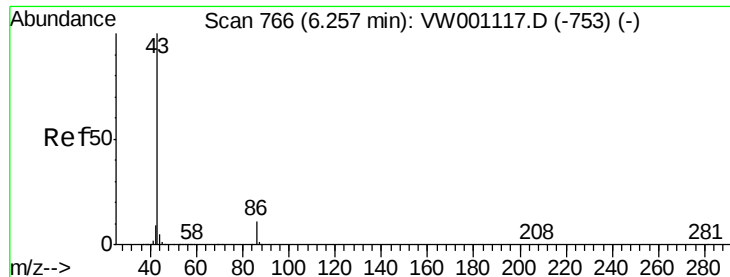
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	45	Resp:	139909
Ion	Ratio	Lower	Upper
45	100		
43	54.4	41.6	62.4
87	28.5	24.5	36.7
59	10.9	9.9	14.9





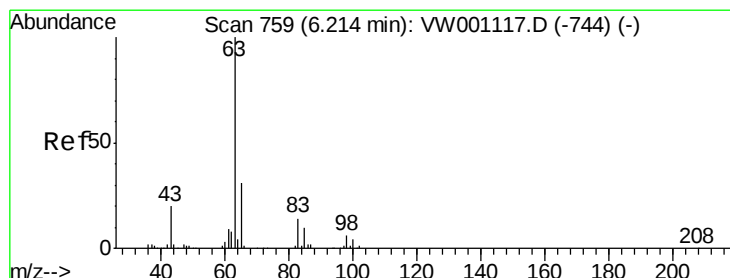
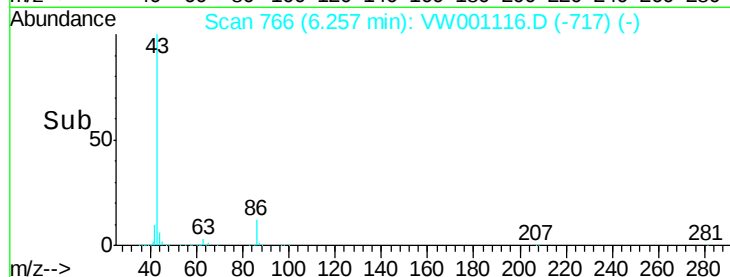
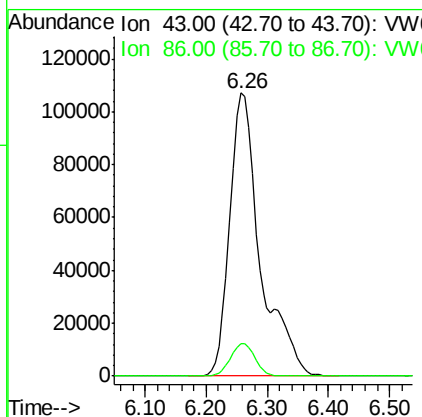
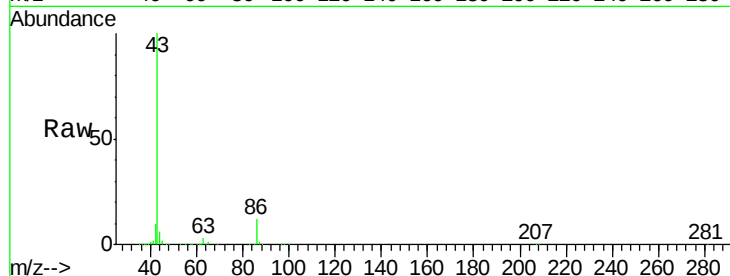
#23
 Vinyl Acetate
 Concen: 89.61 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.0	13.6

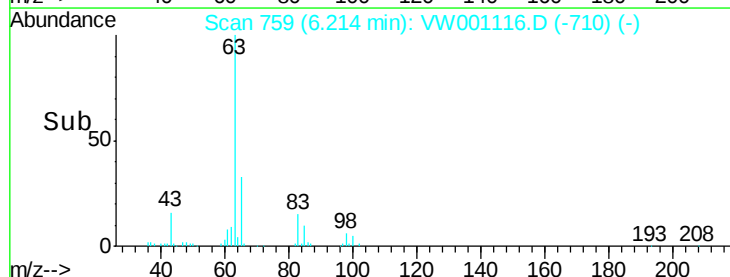
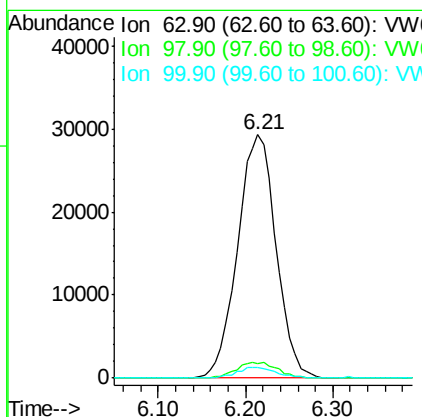
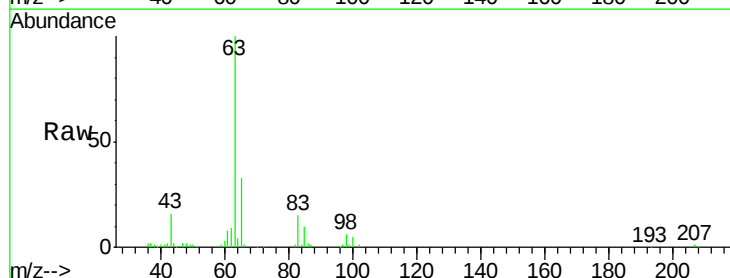
Manual Integrations
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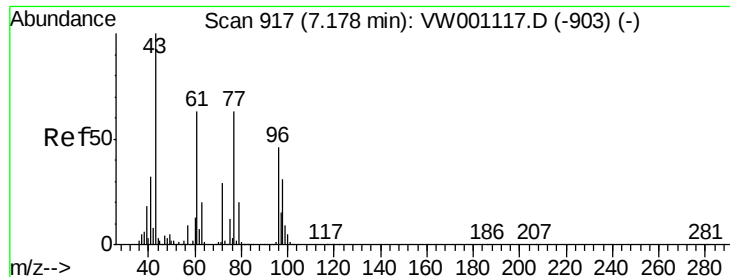
MMDadoda
 1/30/2018 5:46:52 PM



#24
 1,1-Dichloroethane
 Concen: 19.95 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	4.5	2.1	6.3





#25

2-Butanone

Concen: 89.75 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 90804

Ion Ratio Lower Upper

43 100

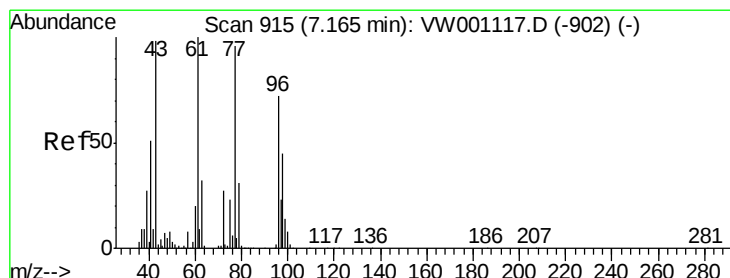
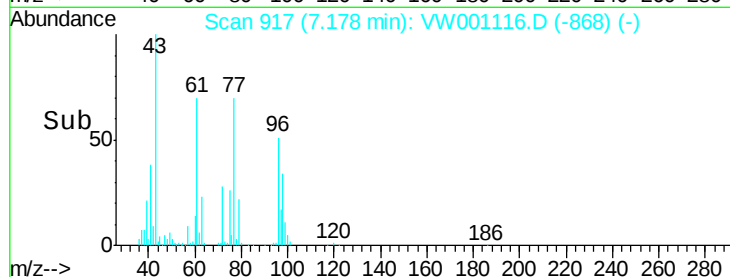
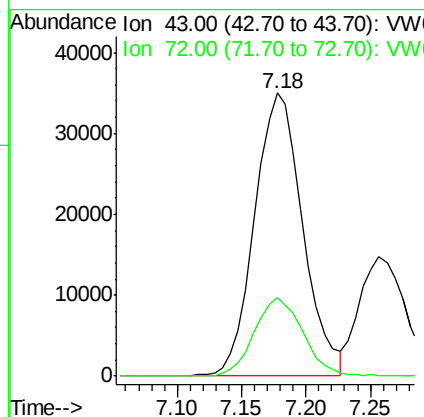
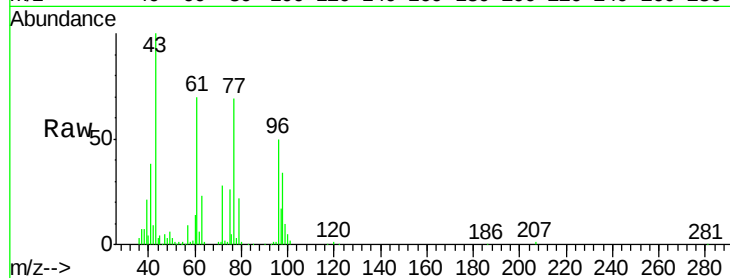
72 27.8 22.8 34.2

Manual Integrations

APPROVED

MMDadoda

1/30/2018 5:46:52 PM



#26

2,2-Dichloropropane

Concen: 19.80 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW001116.D

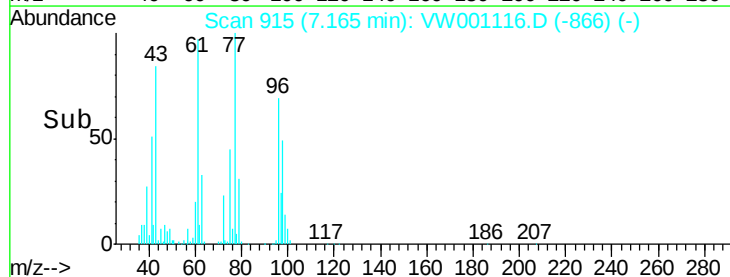
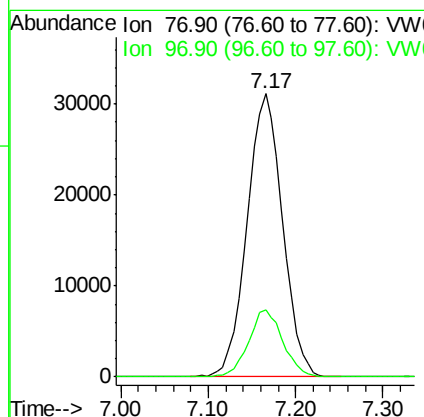
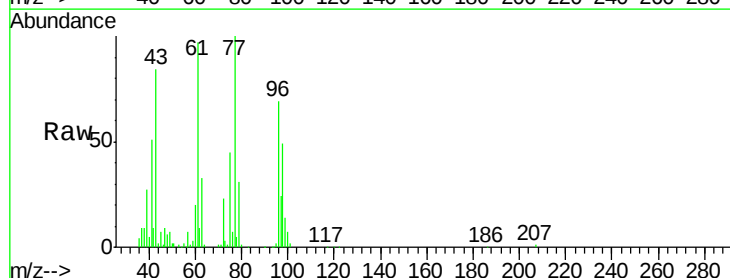
Acq: 29 Jan 2018 12:54

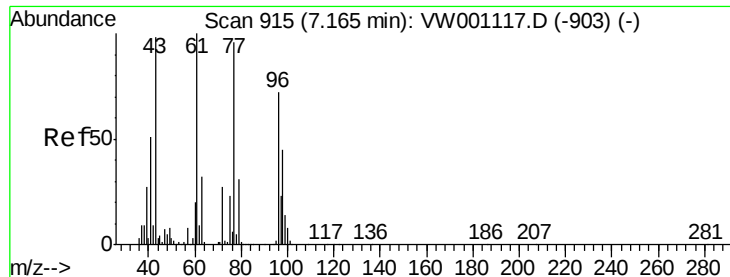
Tgt Ion: 77 Resp: 87785

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

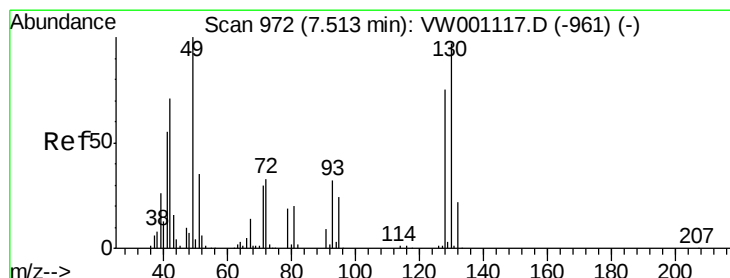
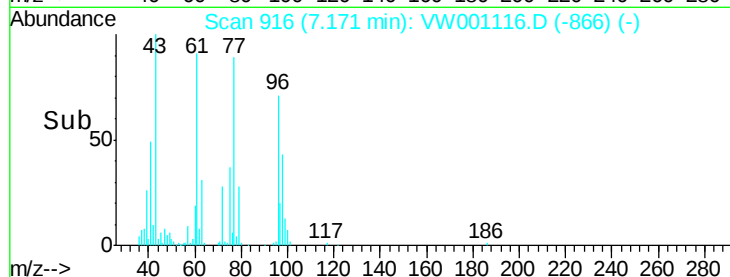
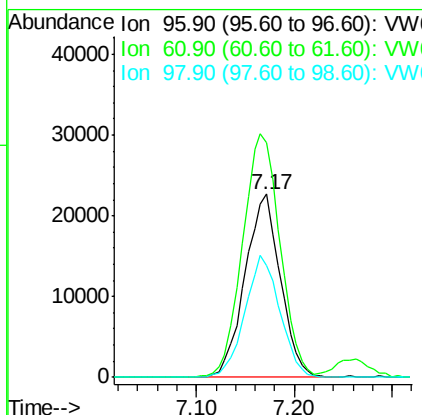
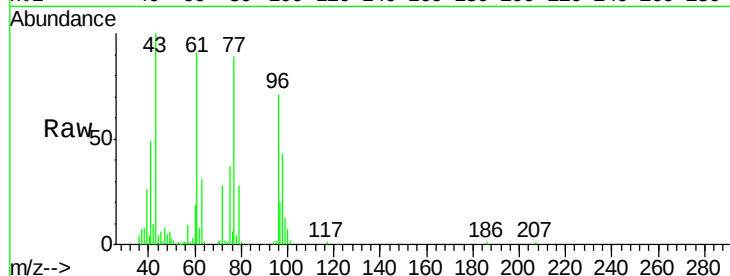
cis-1,2-Dichloroethene
Concen: 19.89 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	280.4
98	65.6	0.0	129.6

Manual Integrations
APPROVED

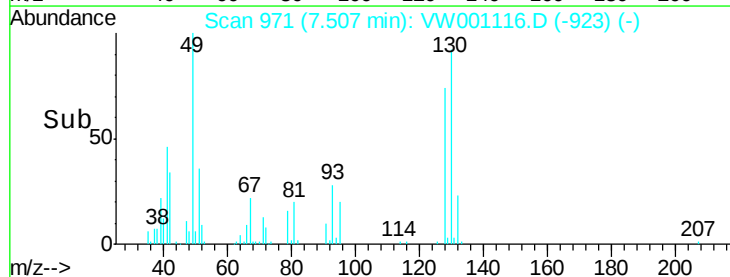
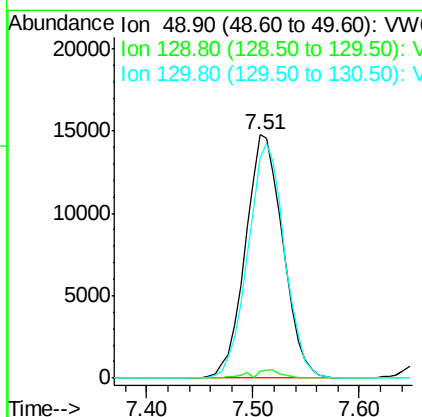
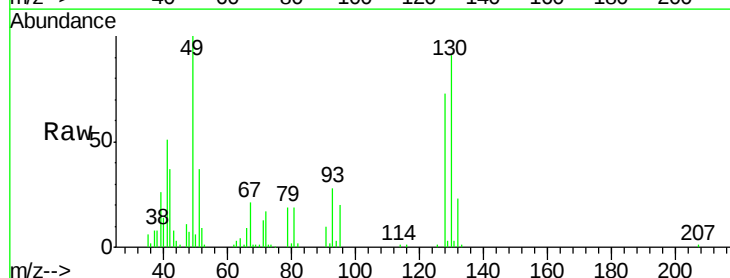
MMDadoda
1/30/2018 5:46:52 PM

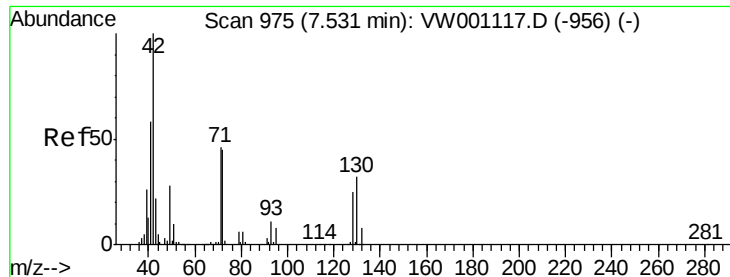


#28

Bromochloromethane
Concen: 20.09 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	2.6#
130	94.0	75.5	113.3





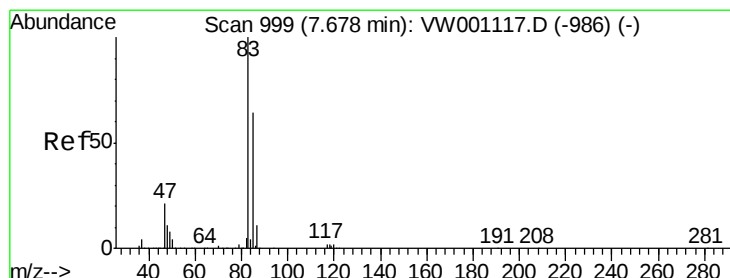
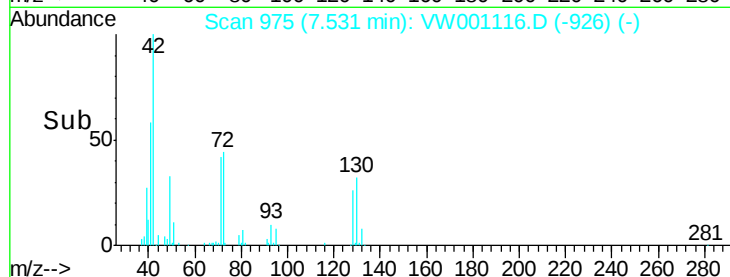
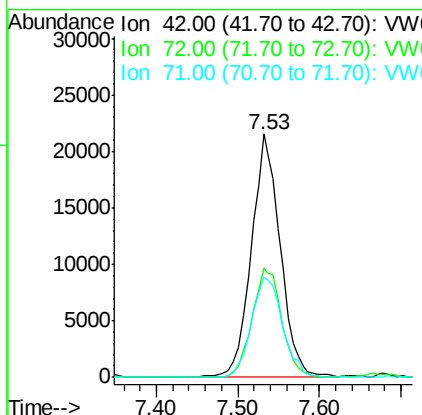
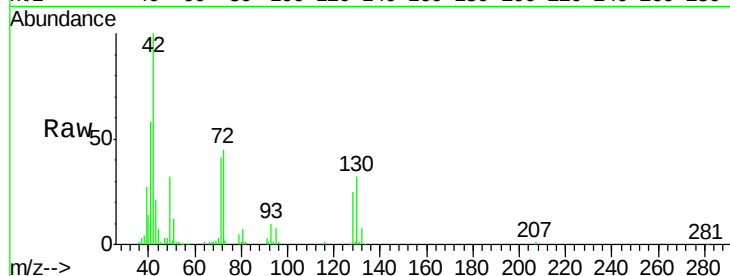
#29
Tetrahydrofuran
Concen: 92.37 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.8	55.2
71	44.2	35.1	52.7

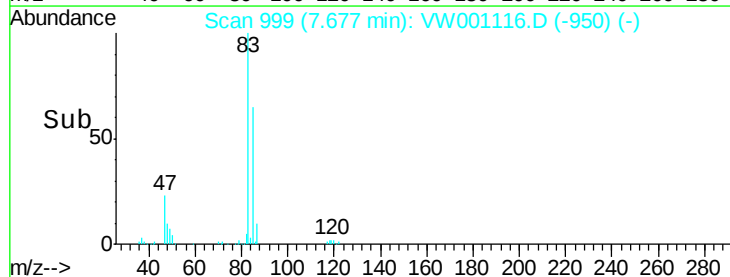
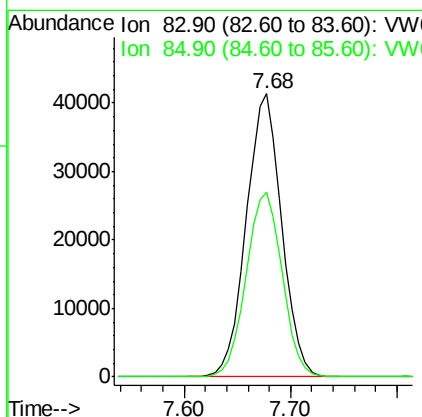
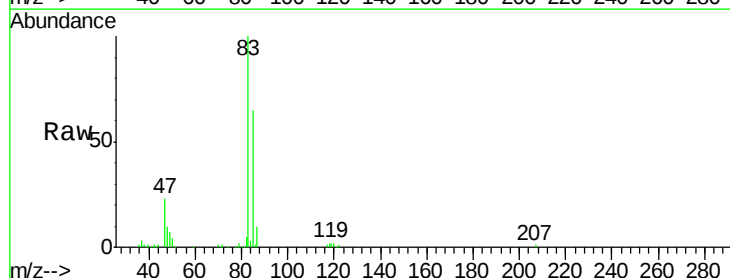
Manual Integrations
APPROVED

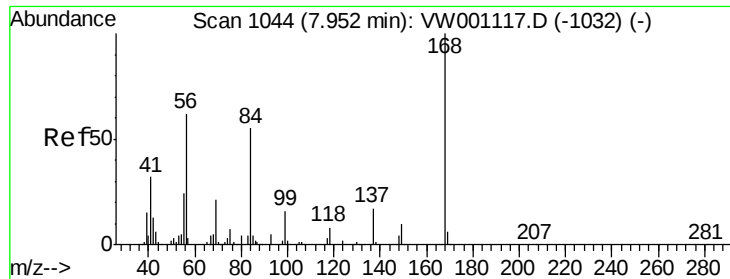
MMDadoda
1/30/2018 5:46:52 PM



#30
Chloroform
Concen: 19.84 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





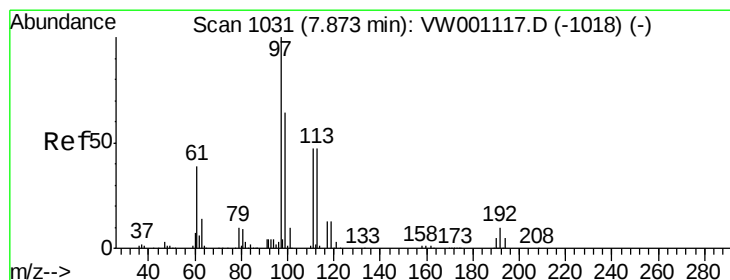
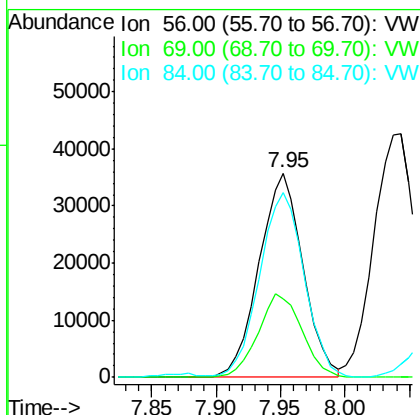
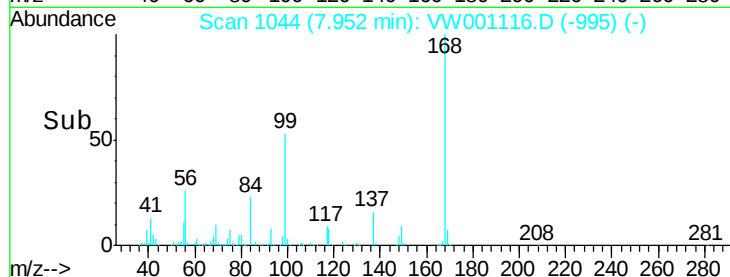
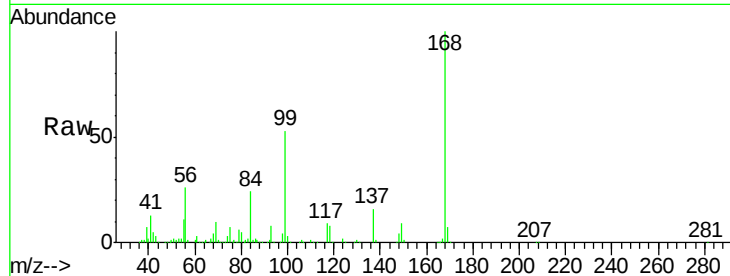
#31
Cyclohexane
Concen: 19.39 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	38.5	27.4	41.0	
84	88.6	71.1	106.7	

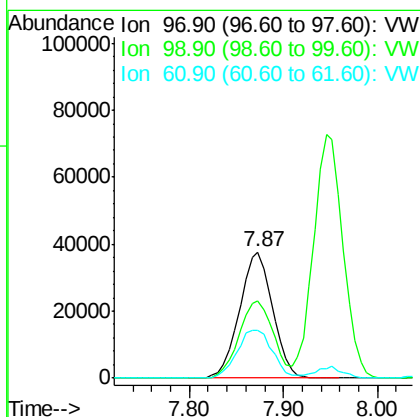
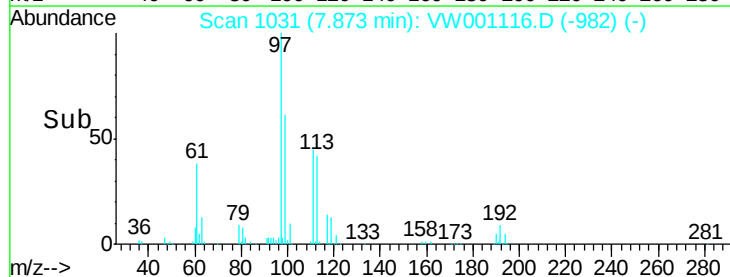
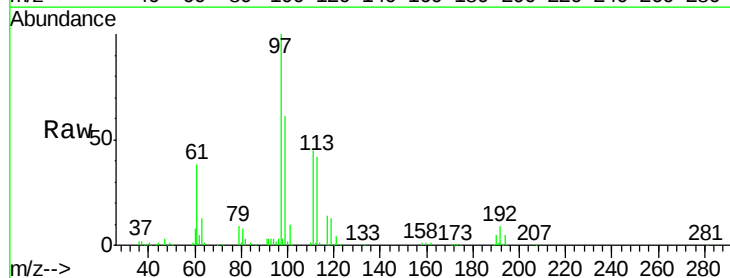
Manual Integrations
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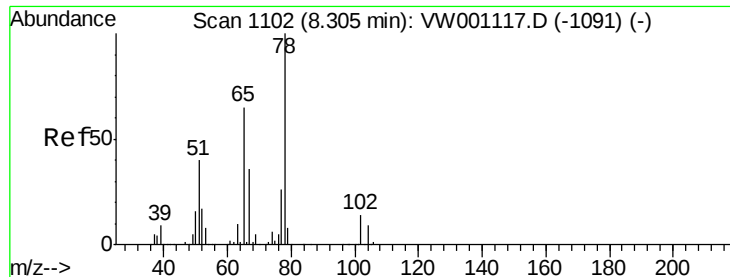
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1/30/2018 5:46:52 PM



#32
1,1,1-Trichloroethane
Concen: 19.94 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.6	51.4	77.2	
61	40.8	32.4	48.6	





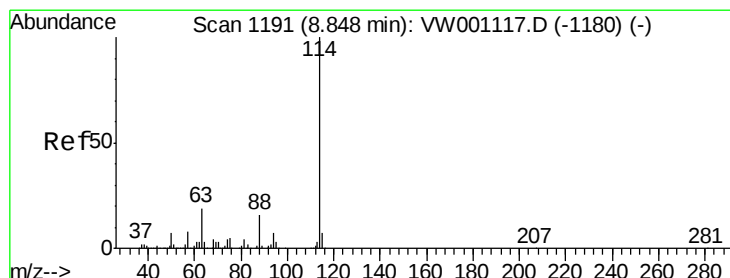
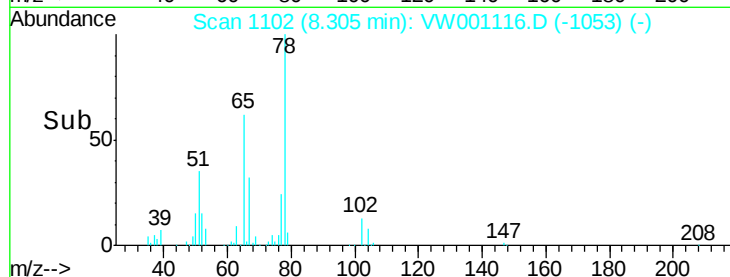
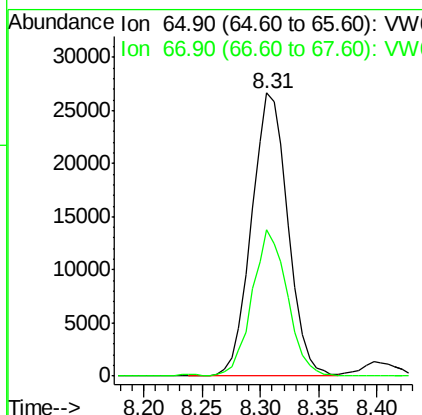
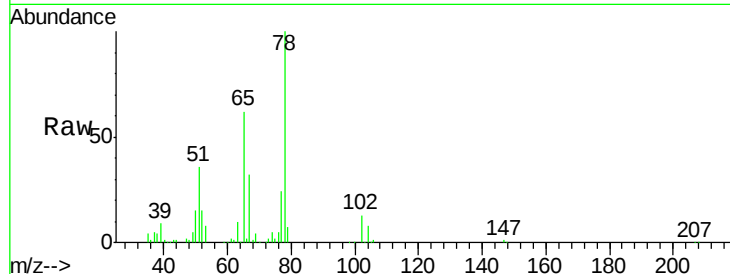
#33
 1,2-Dichloroethane-d4
 Concen: 19.78 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	57990		
67	50.1		0.0	104.2

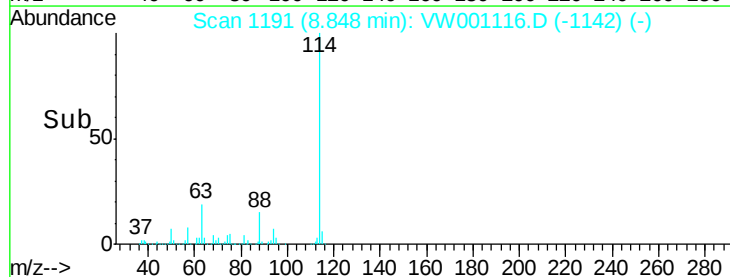
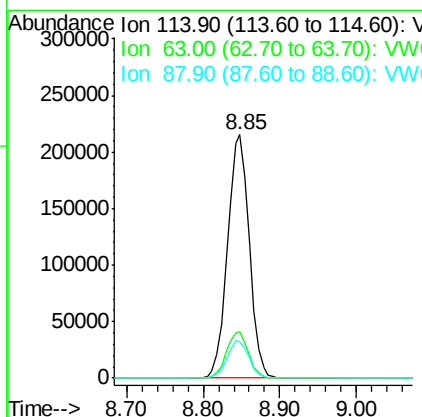
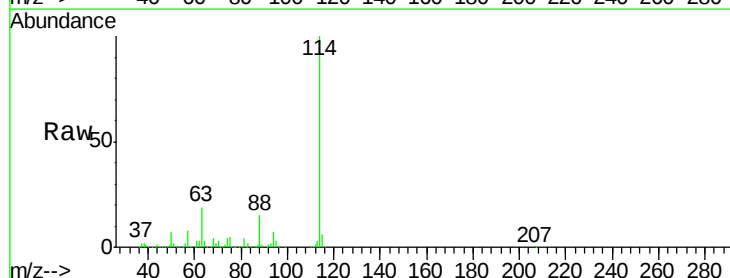
Manual Integrations
 APPROVED

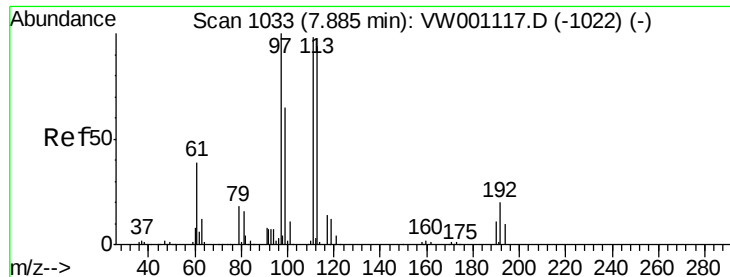
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419529		
63	18.9		0.0	38.2
88	14.7		0.0	31.0





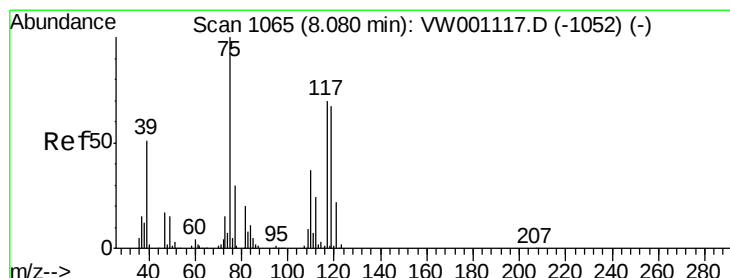
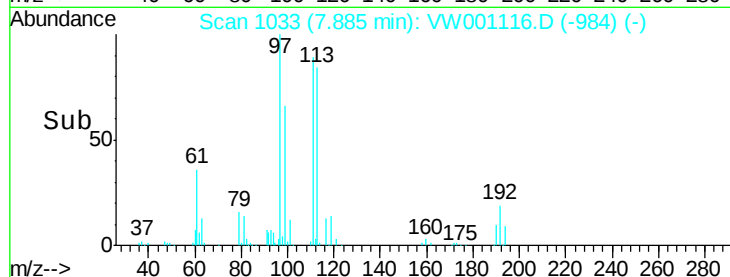
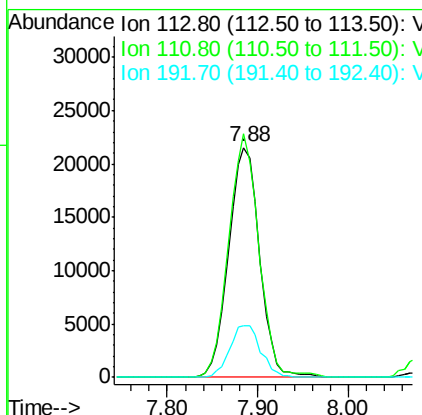
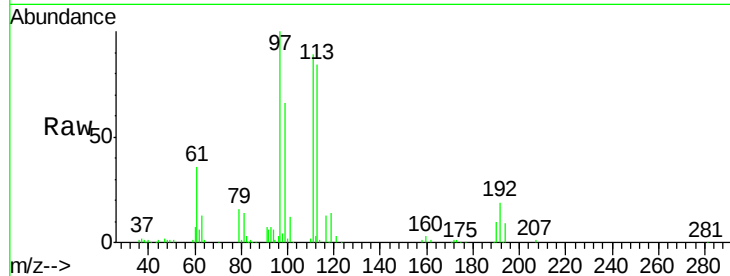
#35
 Dibromofluoromethane
 Concen: 18.99 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	22.4	17.8	26.6

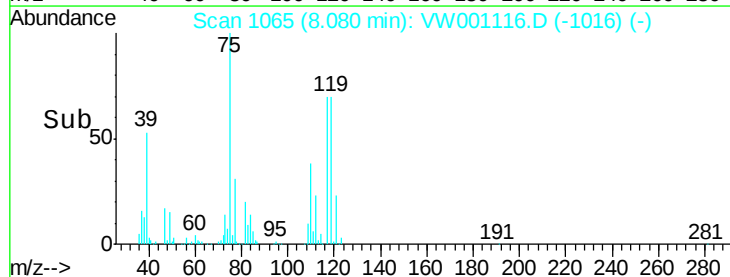
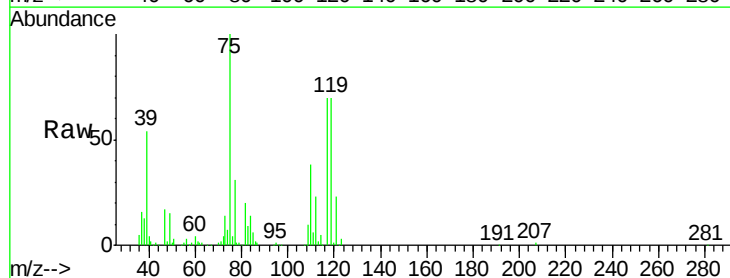
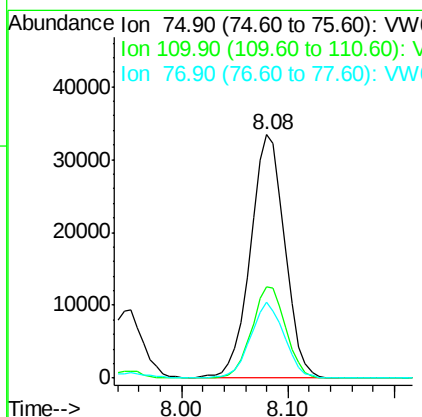
Manual Integrations
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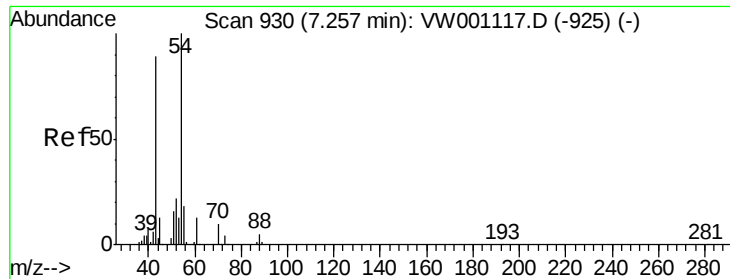
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#36
 1,1-Dichloropropene
 Concen: 19.94 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.7	56.1
77	30.9	24.6	37.0





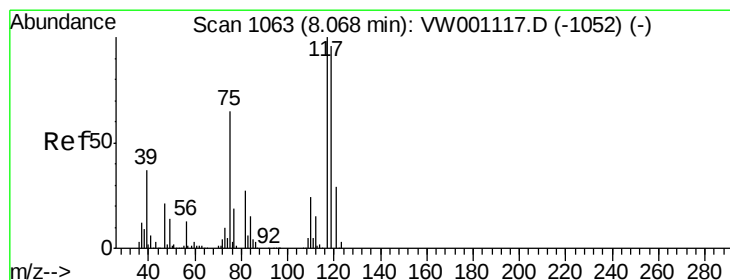
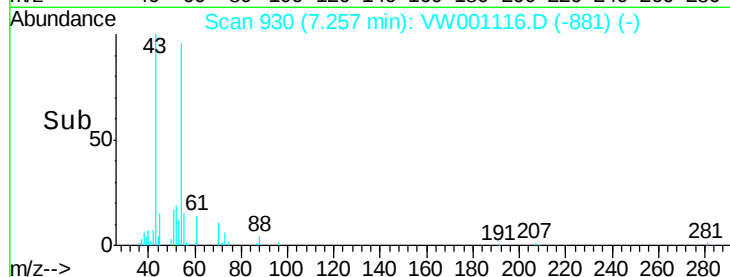
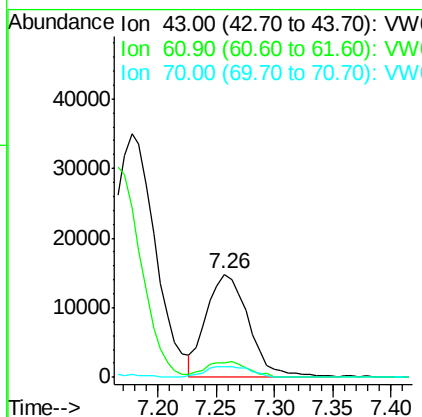
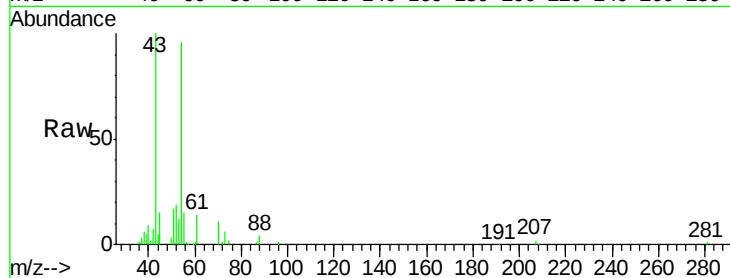
#37
Ethyl Acetate
Concen: 18.42 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.9	17.9
70	11.8	9.4	14.0

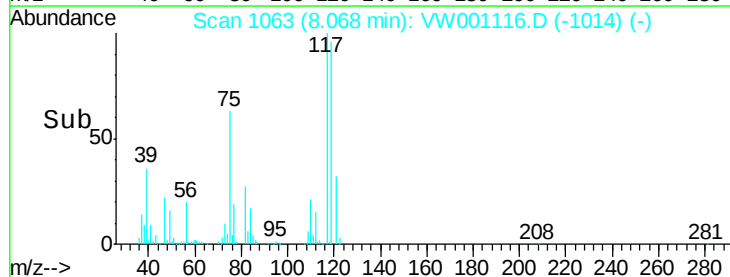
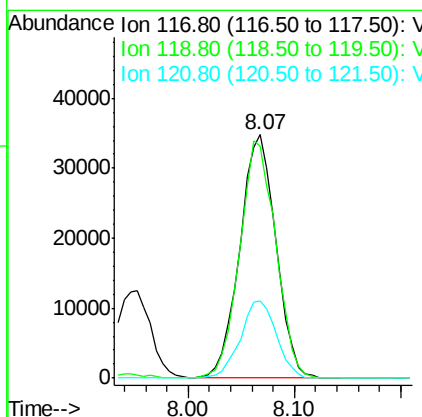
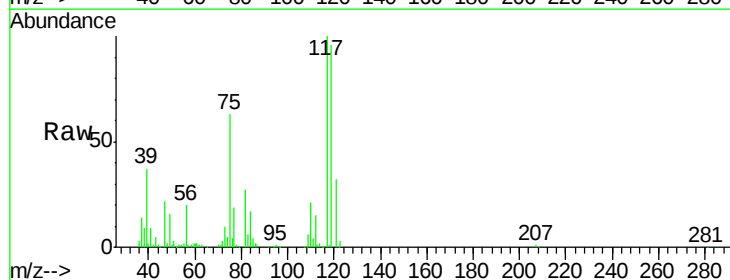
Manual Integrations
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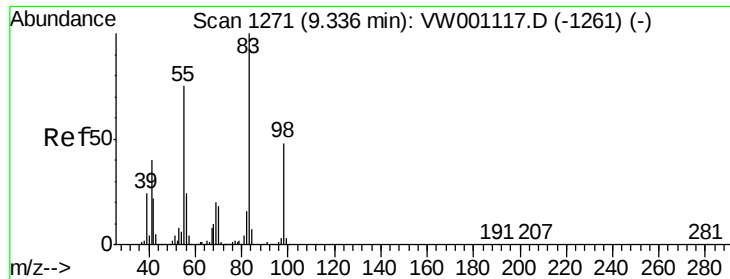
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.61 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.4
121	31.8	23.5	35.3





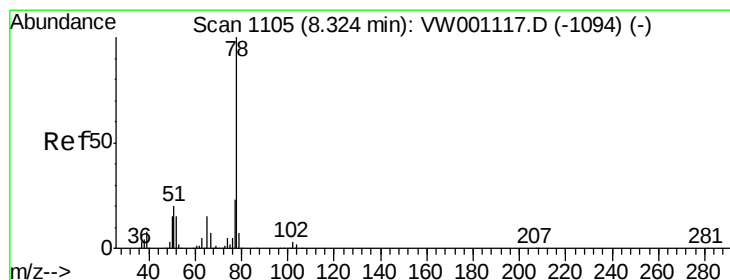
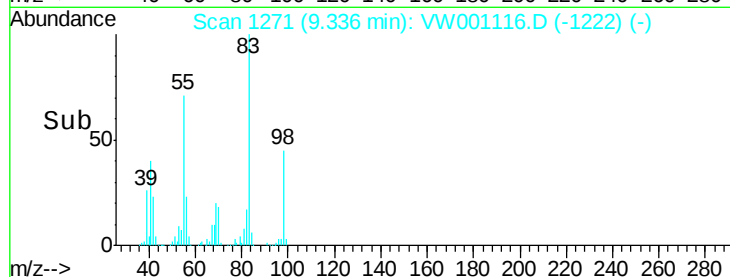
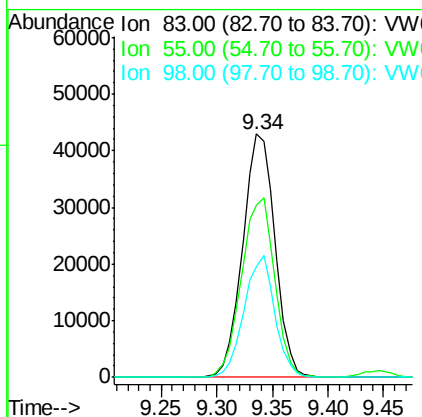
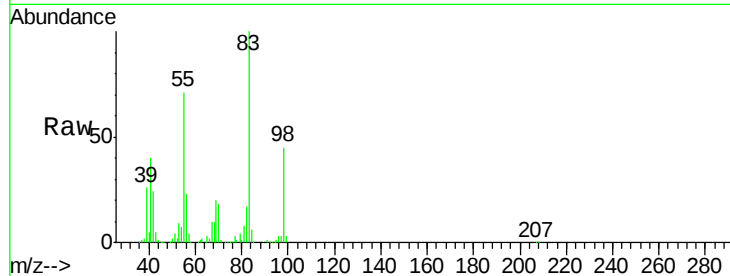
#39
Methvlcvclohexane
Concen: 19.42 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	59.7	89.5
98	45.3	38.0	57.0

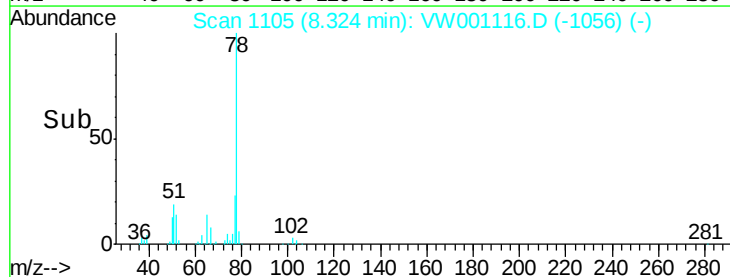
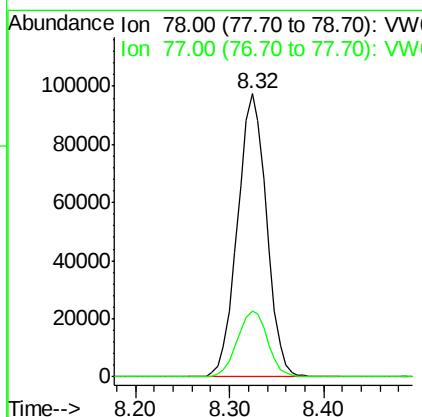
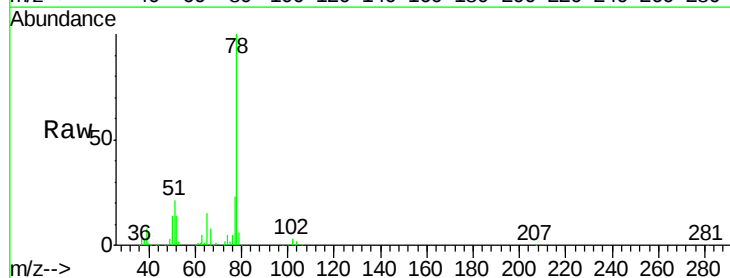
Manual Integrations
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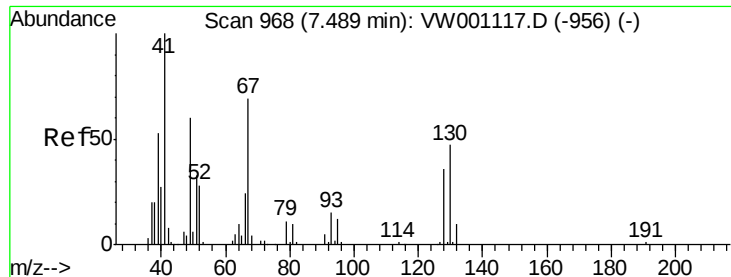
MMDadoda
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#40
Benzene
Concen: 20.03 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0





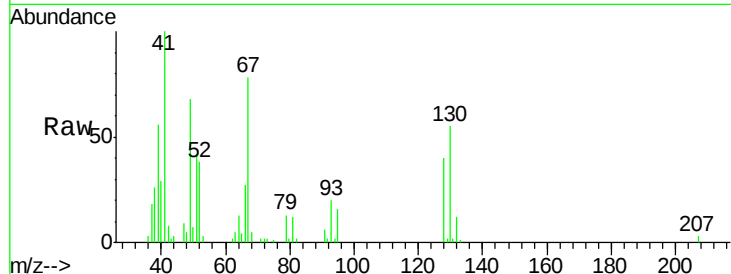
#41
Methacrylonitrile
Concen: 19.07 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	48.8	73.2
67	77.2	59.6	89.4
52	33.0	24.6	37.0

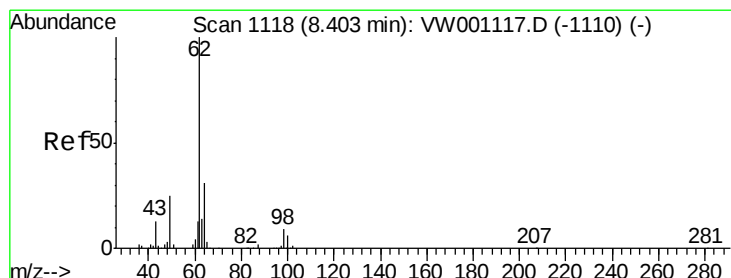
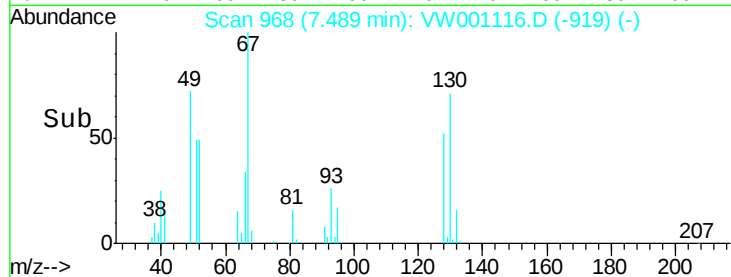
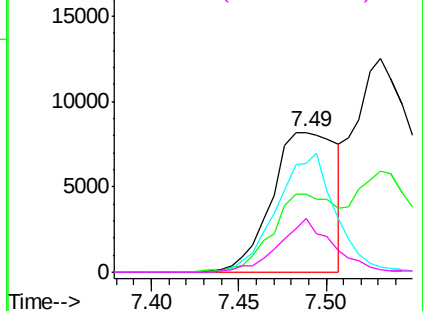
Manual Integrations
APPROVED

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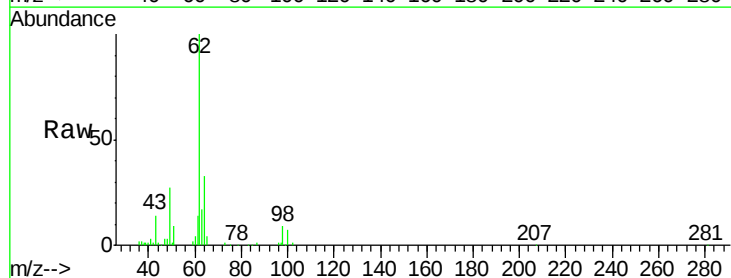
Abundance

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



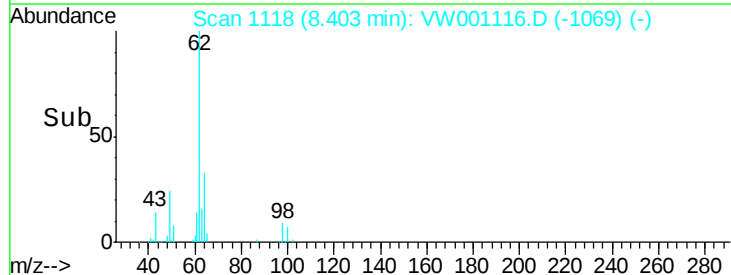
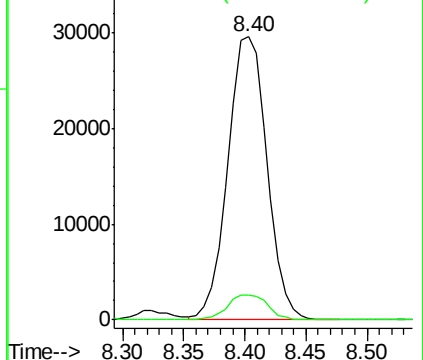
#42
1,2-Dichloroethane
Concen: 19.90 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

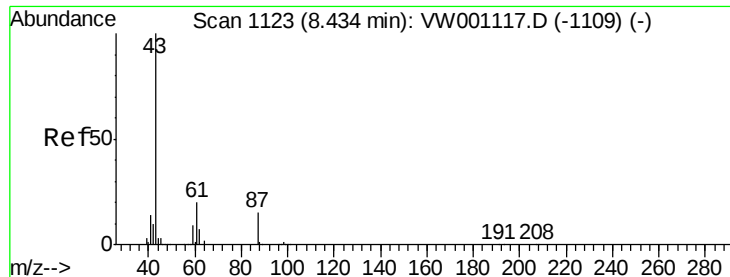
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



Abundance

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





#43

Isopropyl Acetate

Concen: 19.12 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

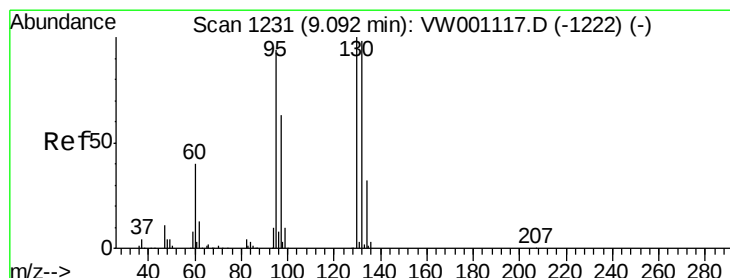
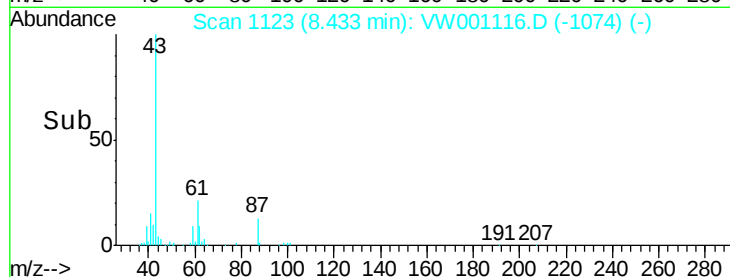
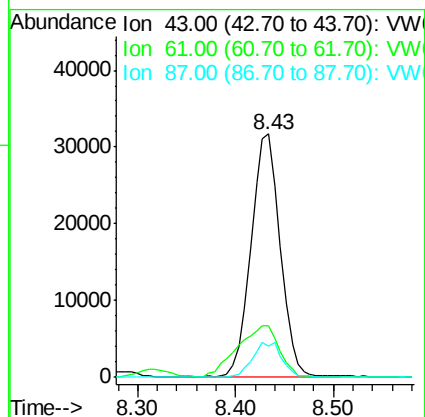
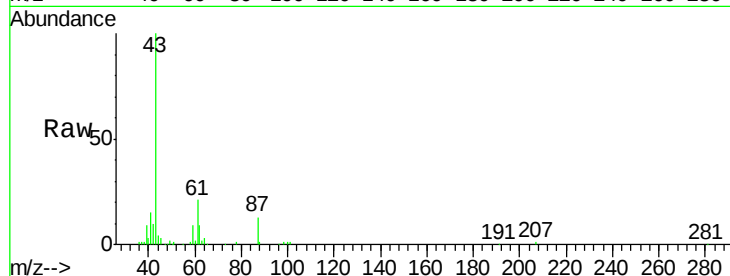
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	65878
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.9	35.9
87	14.7	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.94 ug/l

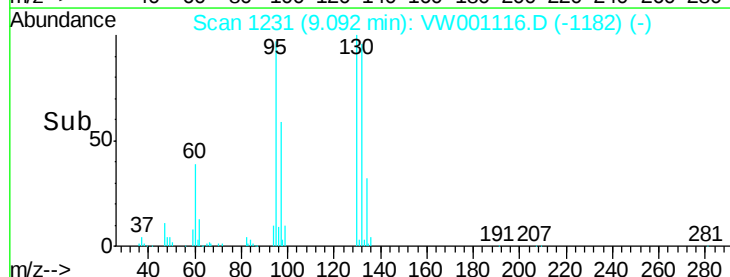
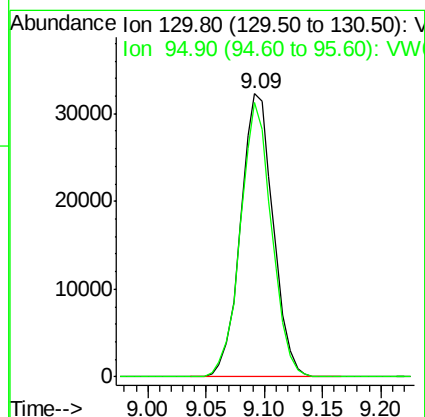
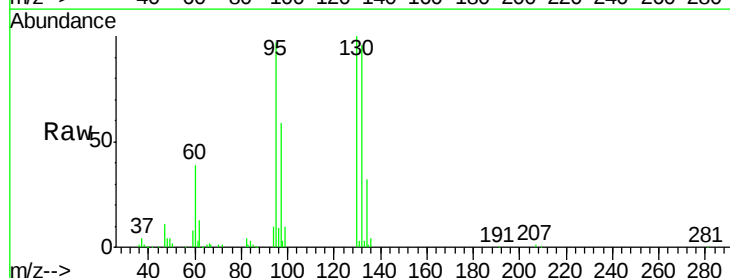
RT: 9.09 min Scan# 1231

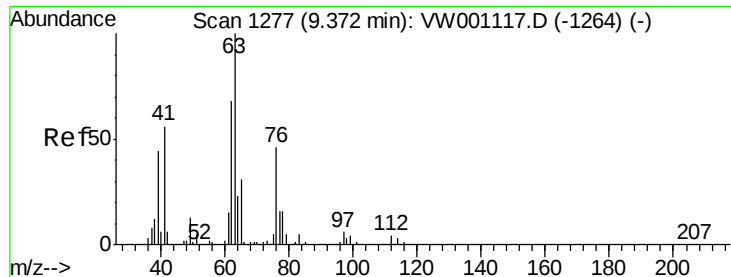
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	130	Resp:	62778
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	189.0





#45

1,2-Dichloropropane

Concen: 20.01 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 50537

Ion Ratio Lower Upper

63 100

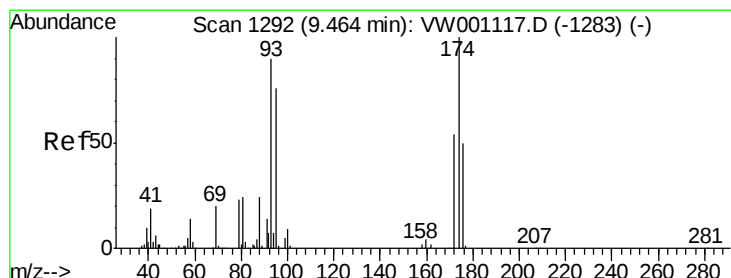
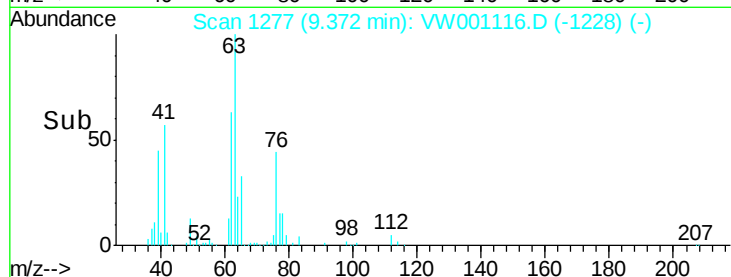
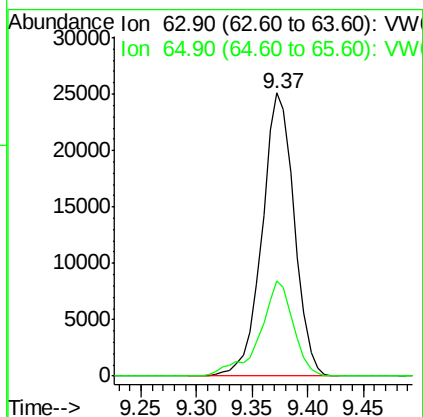
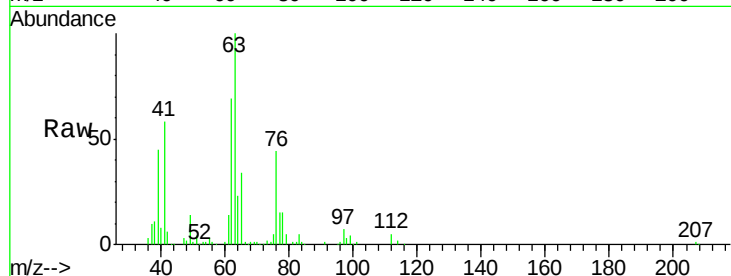
65 33.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 19.80 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

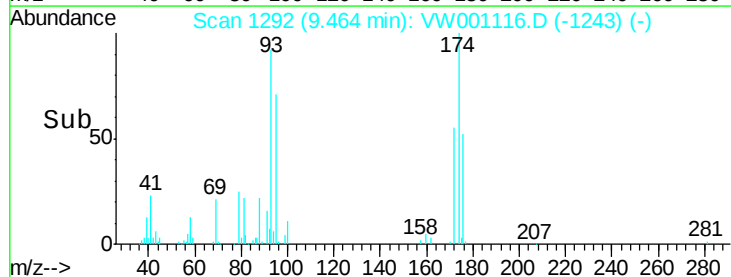
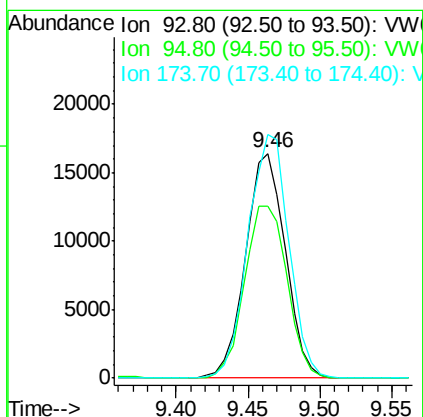
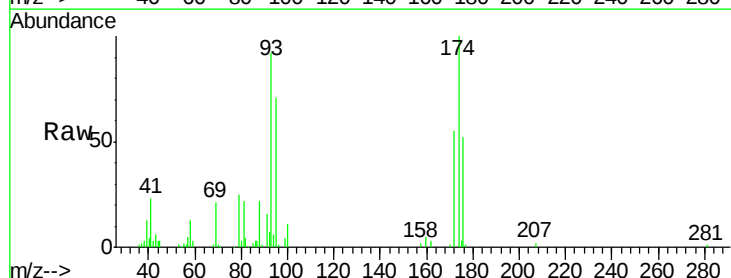
Tgt Ion: 93 Resp: 31269

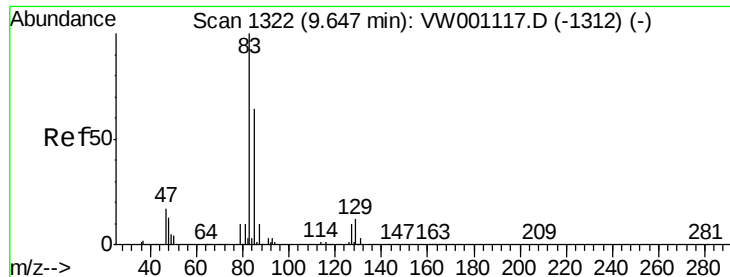
Ion Ratio Lower Upper

93 100

95 82.0 66.5 99.7

174 111.4 89.5 134.3





#47

Bromodichloromethane

Concen: 19.79 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

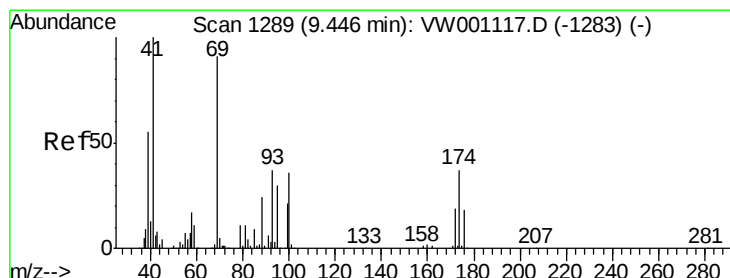
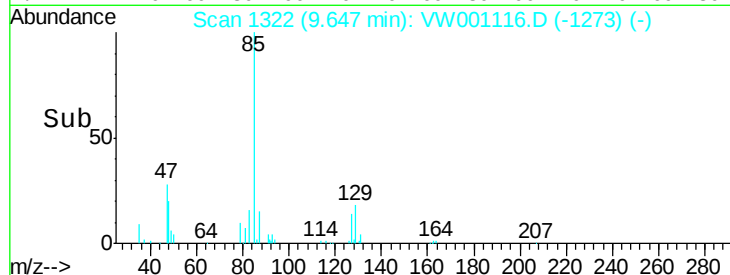
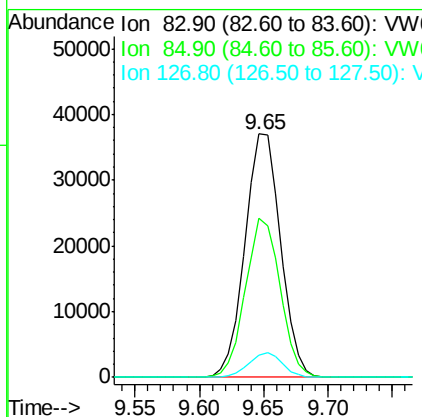
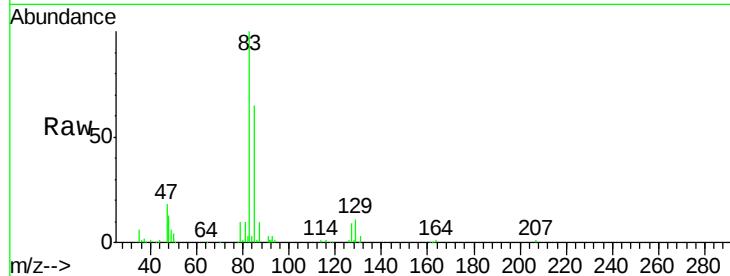
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70712
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	9.2	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.68 ug/l

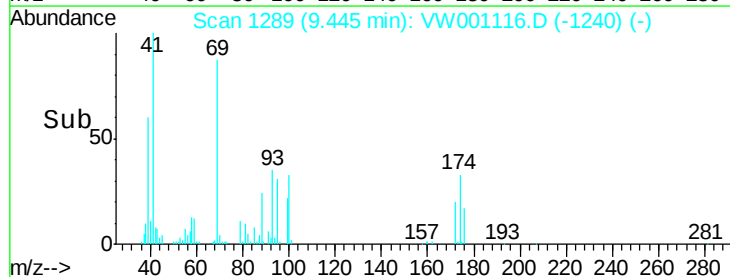
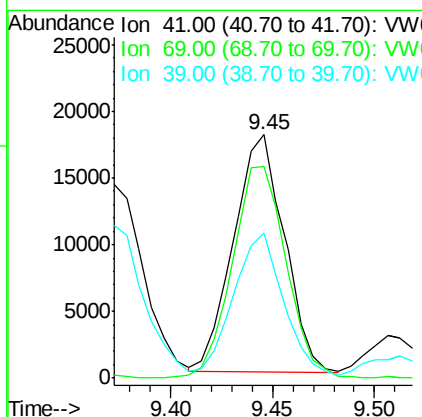
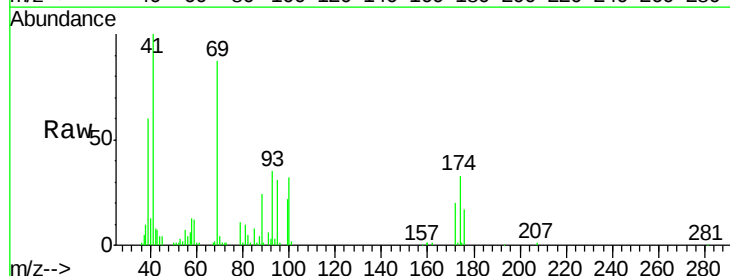
RT: 9.45 min Scan# 1289

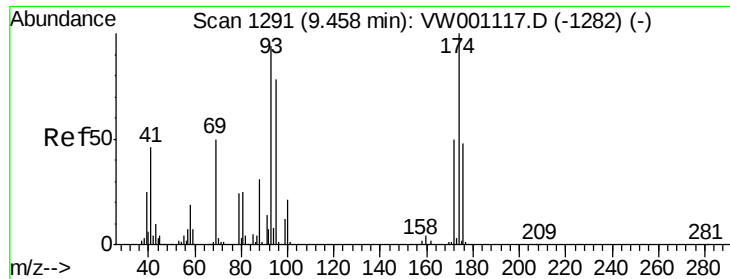
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	41	Resp:	30761
Ion	Ratio	Lower	Upper
41	100		
69	94.7	74.9	112.3
39	61.2	47.6	71.4





#49

1,4-Dioxane

Concen: 393.58 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

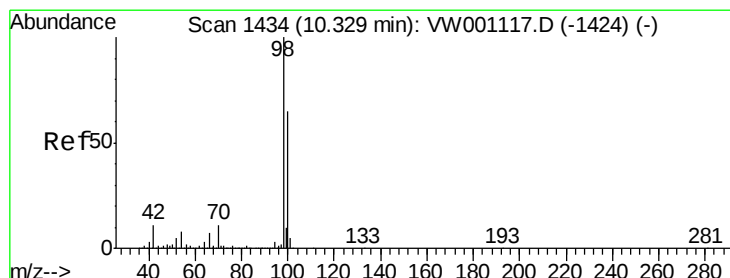
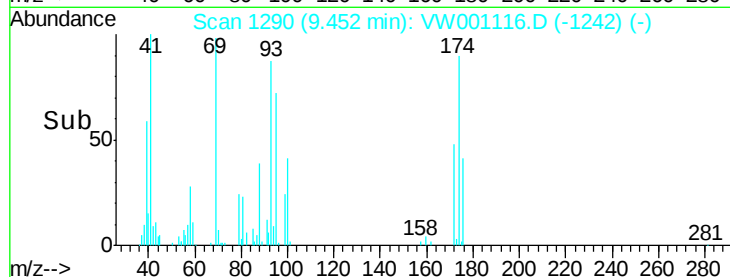
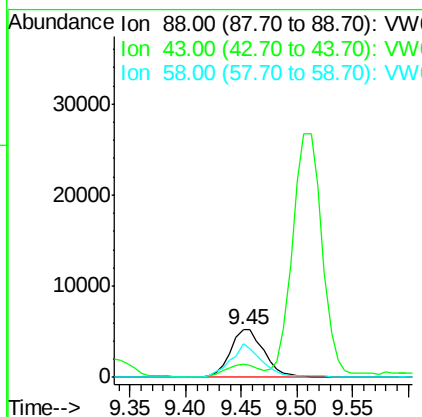
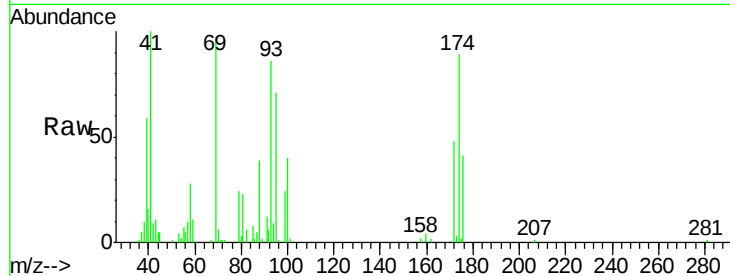
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	11075
Ion	Ratio	Lower	Upper
88	100		
43	25.3	23.0	34.6
58	64.4	53.9	80.9

Manual Integrations
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#50

Toluene-d8

Concen: 19.97 ug/l

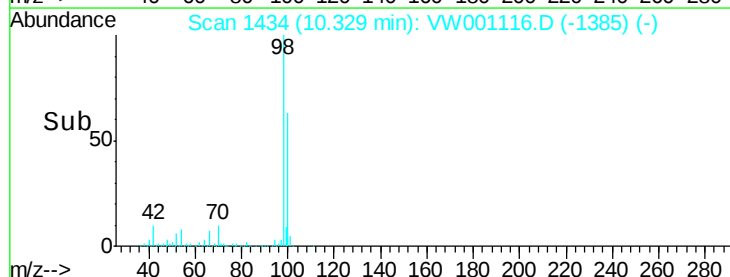
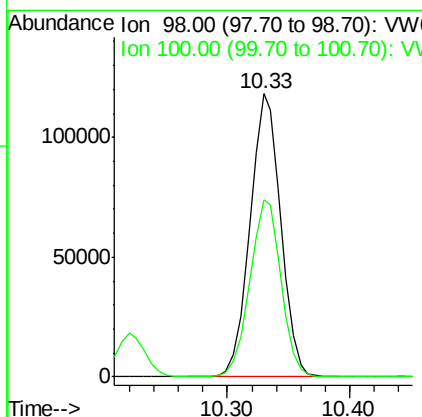
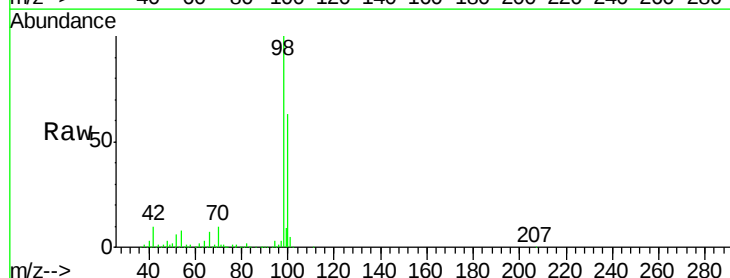
RT: 10.33 min Scan# 1434

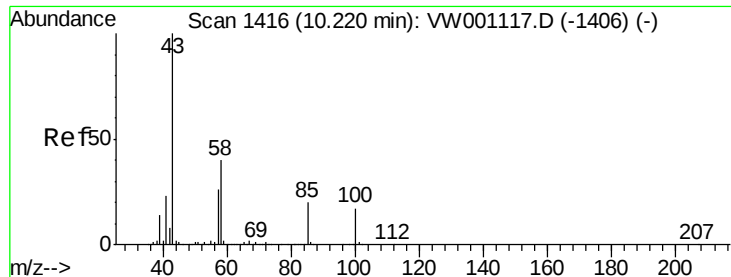
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	98	Resp:	206267
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.3	76.9





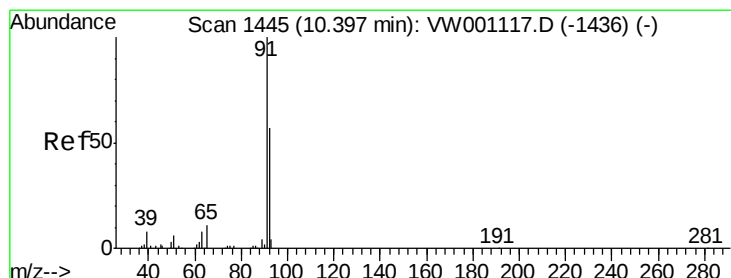
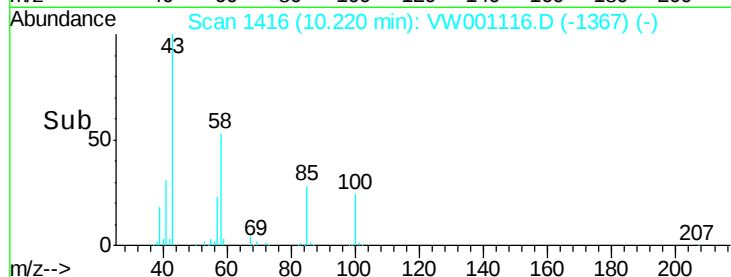
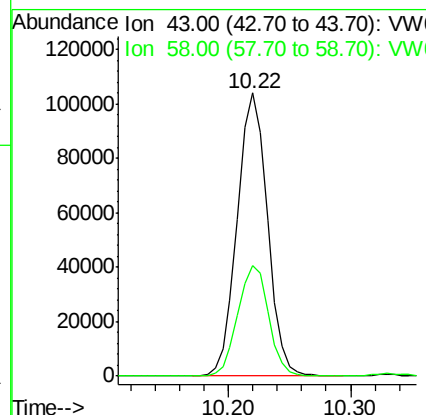
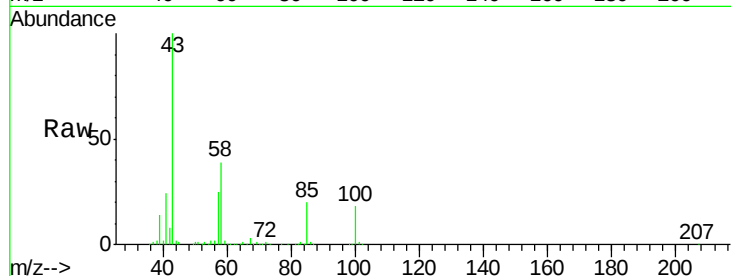
#51
4-Methyl-2-Pentanone
Concen: 94.45 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	177787
Ion Ratio	Lower	Upper	
43	100		
58	39.7	32.1	48.1

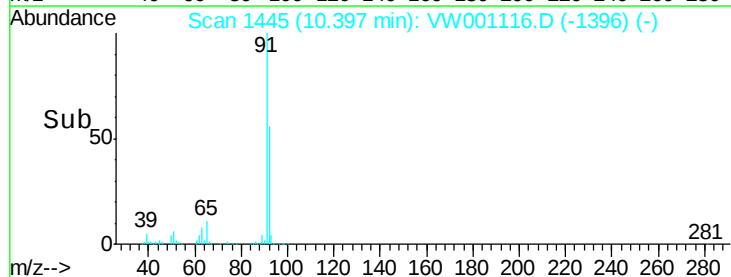
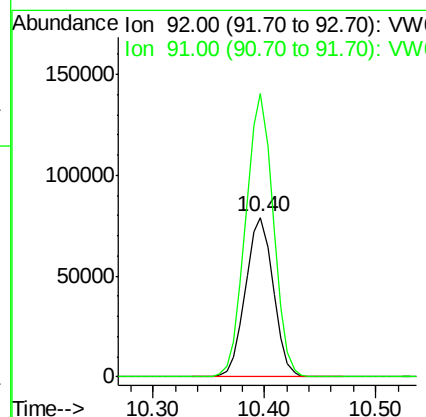
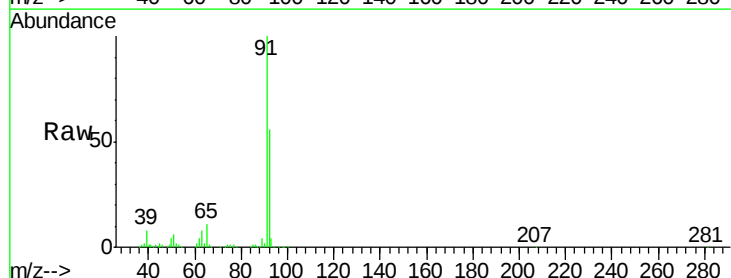
Manual Integrations
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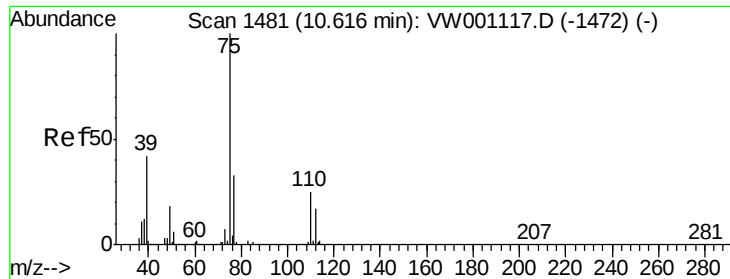
MMDadoda
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#52
Toluene
Concen: 20.33 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	92	Resp	136896
Ion Ratio	Lower	Upper	
92	100		
91	177.2	140.6	211.0





#53

t-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 70207

Ion Ratio Lower Upper

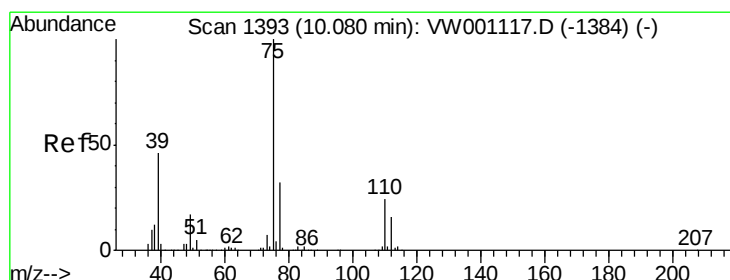
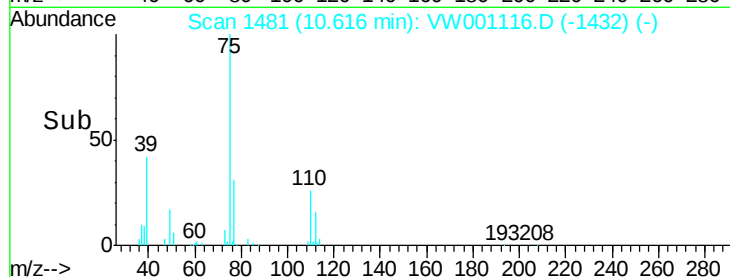
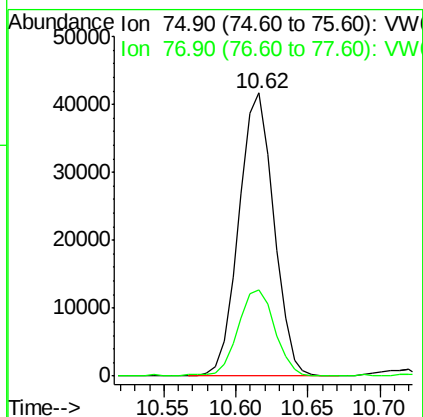
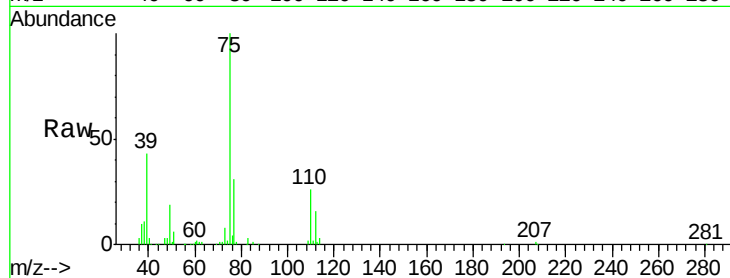
75 100

77 30.5 26.0 39.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.59 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

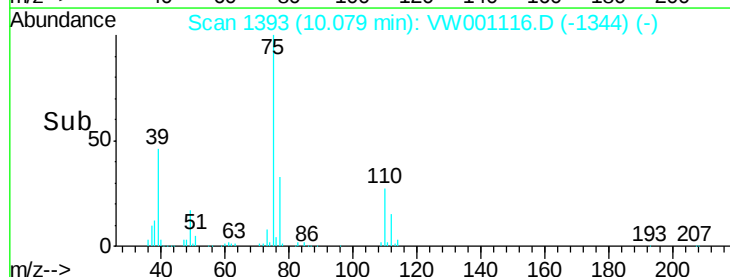
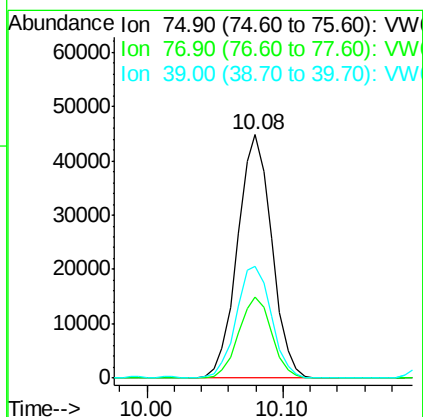
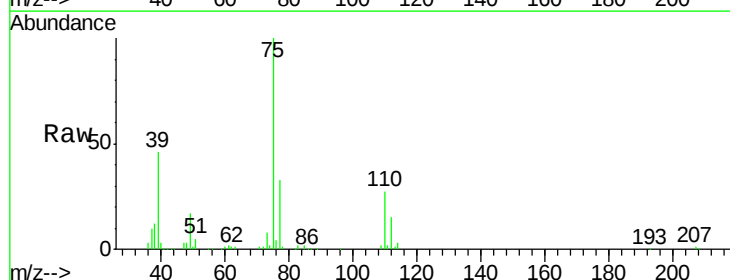
Tgt Ion: 75 Resp: 78842

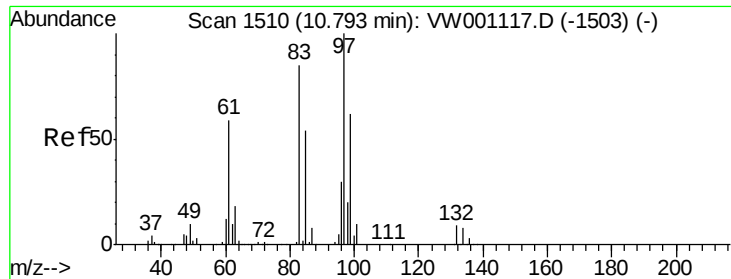
Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3

39 45.8 37.0 55.4





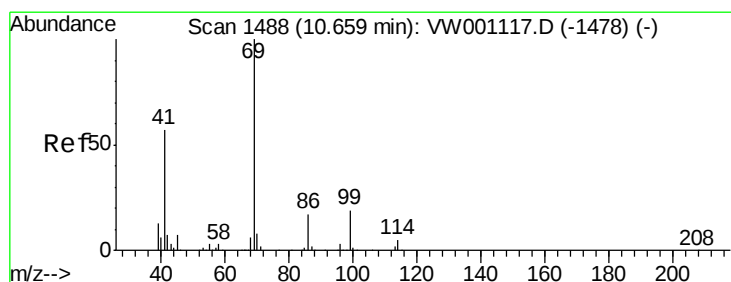
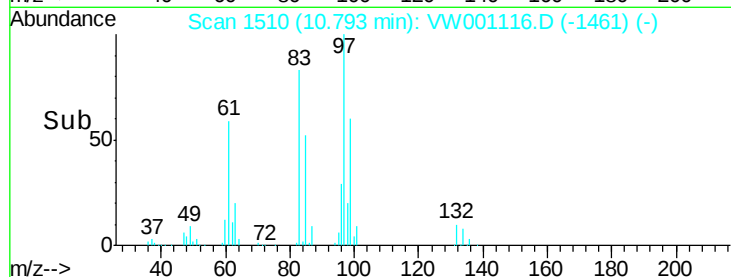
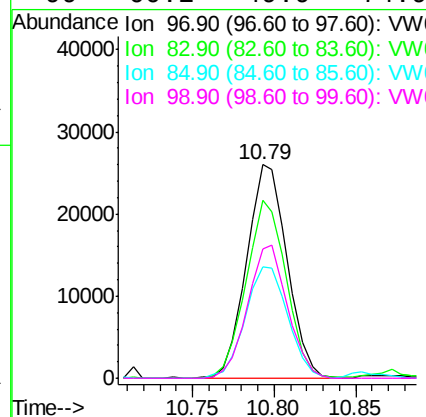
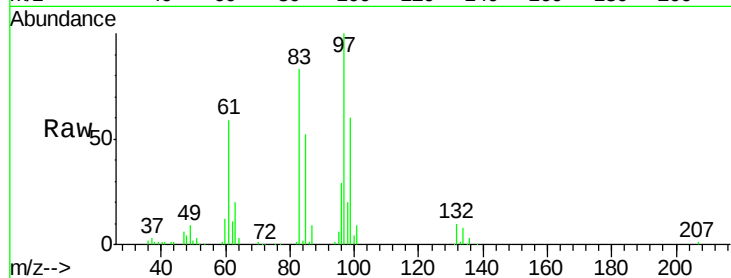
#55
 1,1,2-Trichloroethane
 Concen: 19.95 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	52.1	43.0	64.6
99	60.2	49.9	74.9

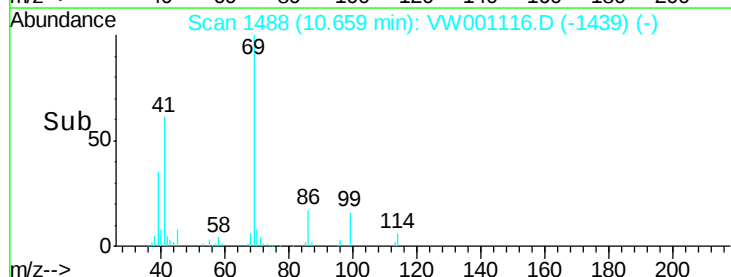
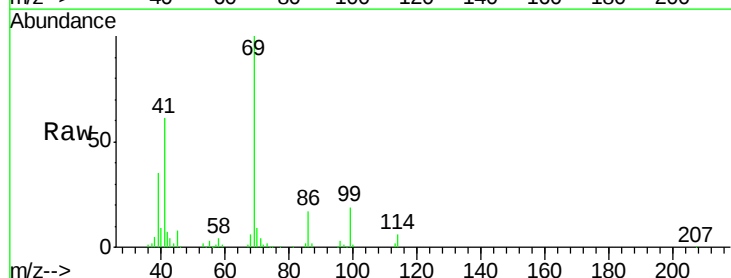
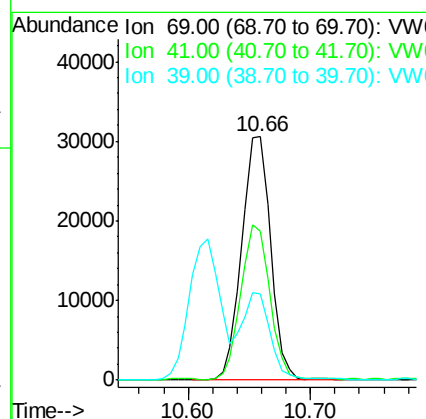
Manual Integrations
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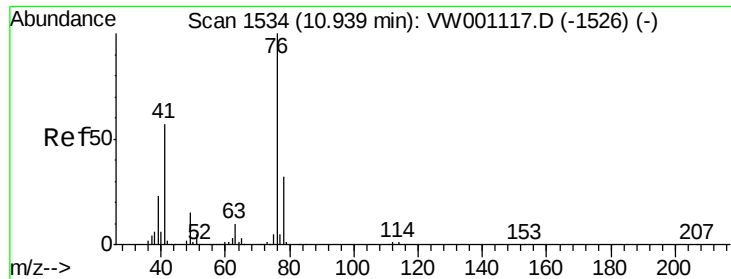
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#56
 Ethyl methacrylate
 Concen: 19.07 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	50.6	75.8
39	35.8	27.5	41.3





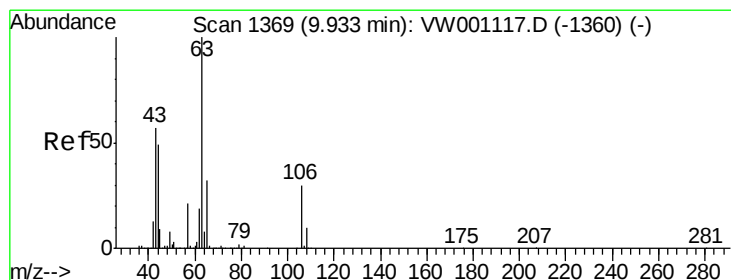
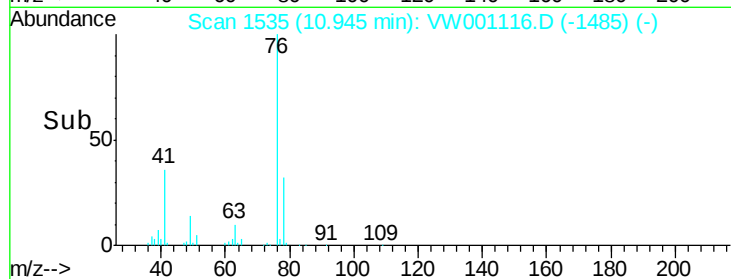
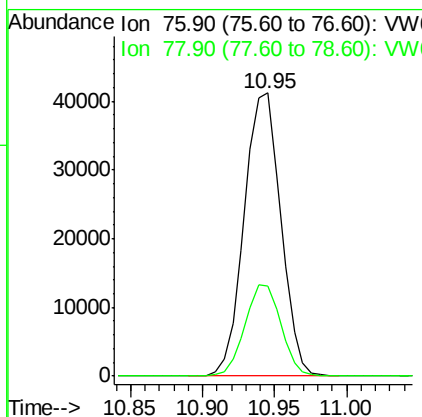
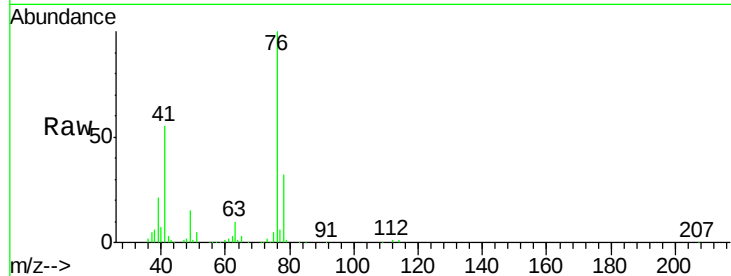
#57
 1,3-Dichloropropane
 Concen: 19.80 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

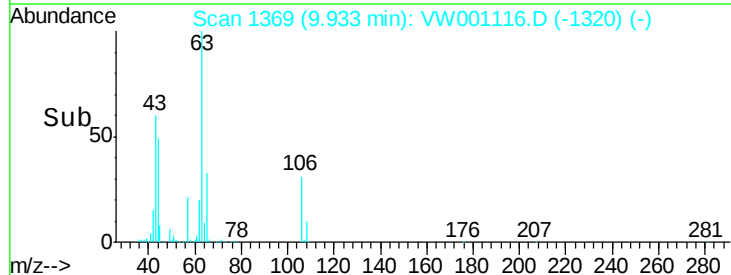
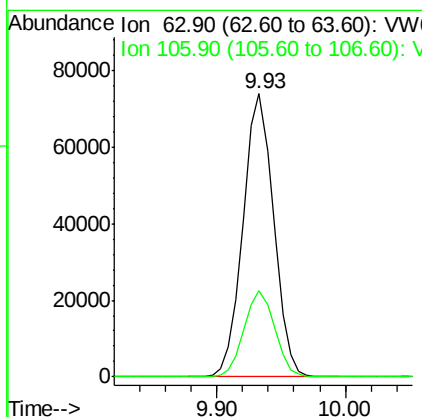
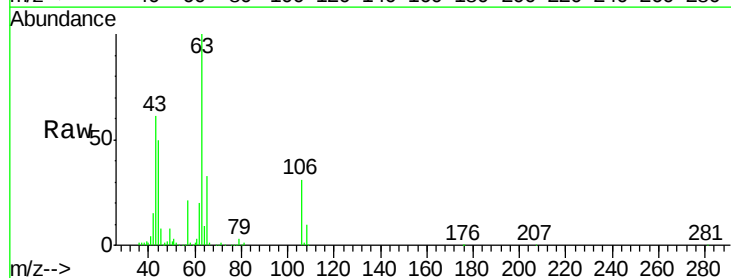
Manual Integrations
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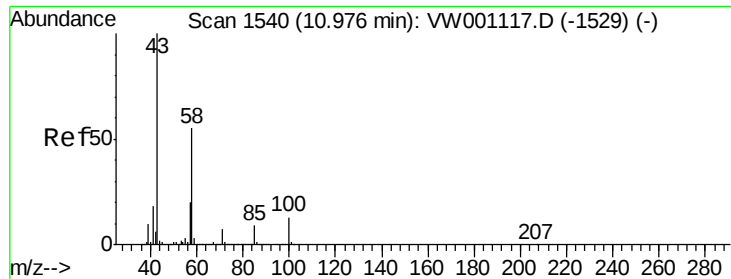
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 1/30/2018 5:46:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.04 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.2	36.4





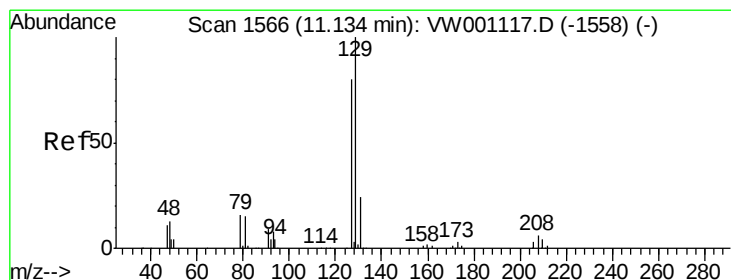
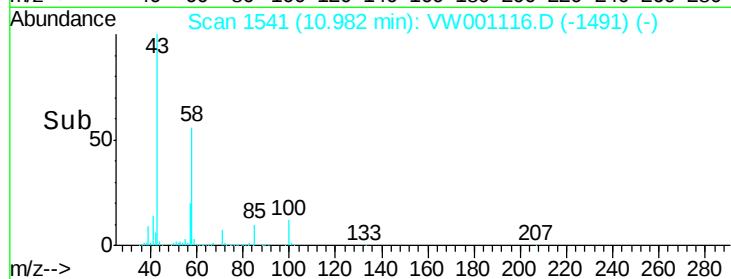
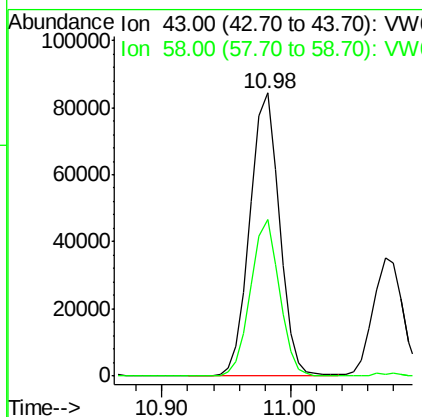
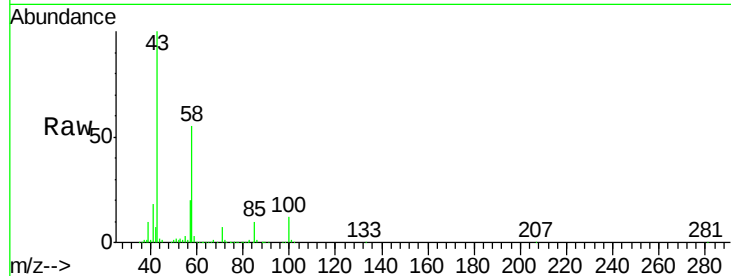
#59
2-Hexanone
Concen: 93.86 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 133662
Ion Ratio Lower Upper
43 100
58 53.8 27.7 83.0

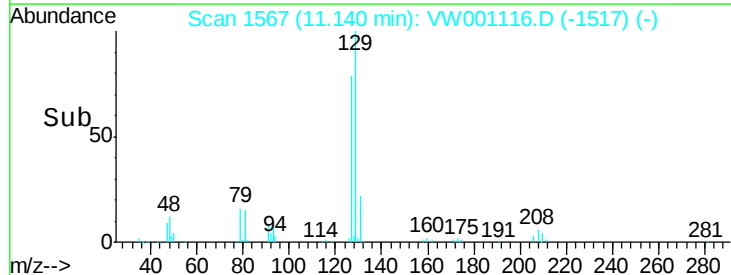
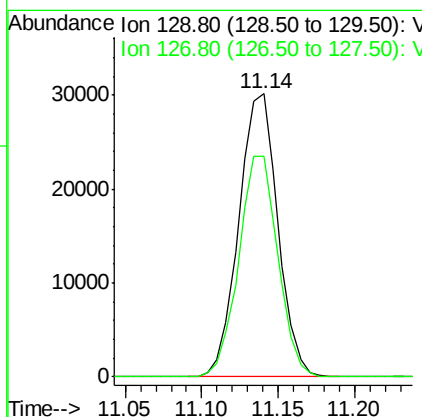
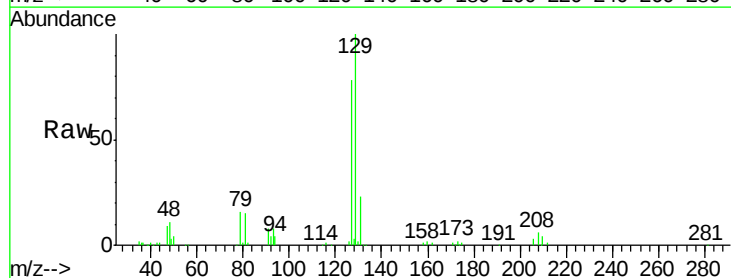
Manual Integrations
APPROVED

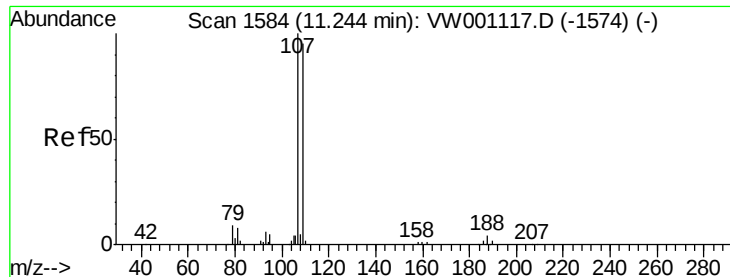
MMDadoda
1/30/2018 5:46:52 PM



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion: 129 Resp: 53353
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





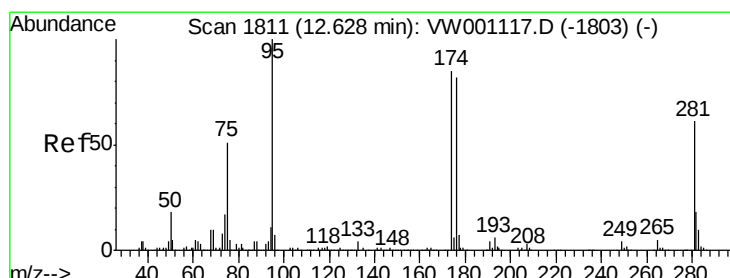
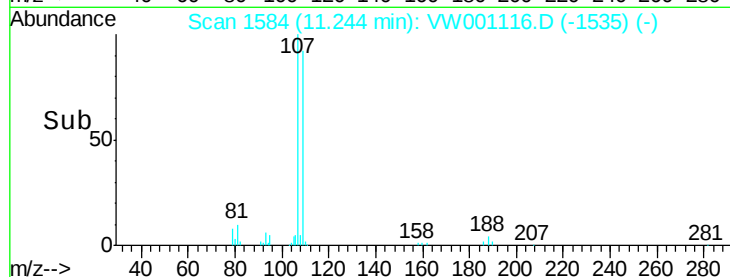
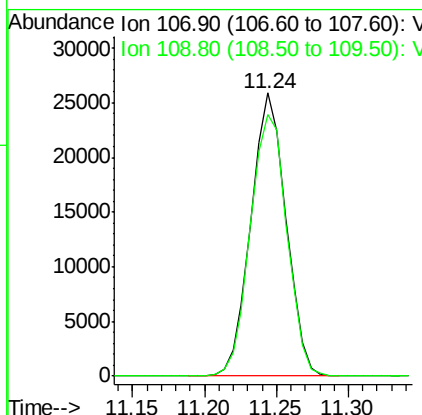
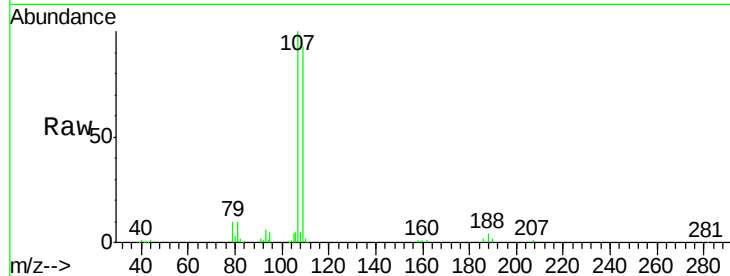
#61
 1,2-Dibromoethane
 Concen: 19.18 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 43551
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.8 113.8

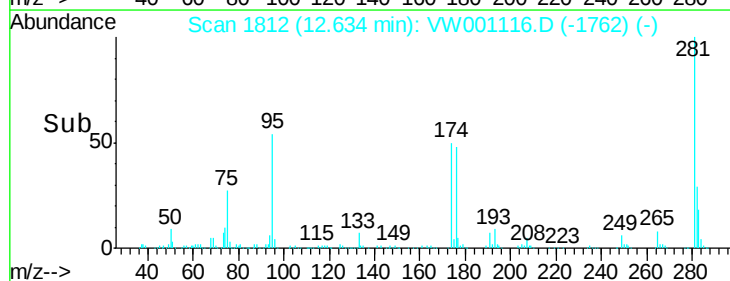
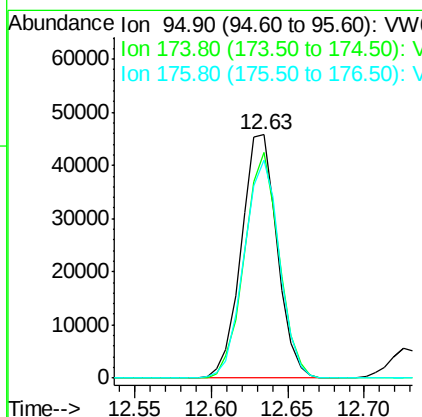
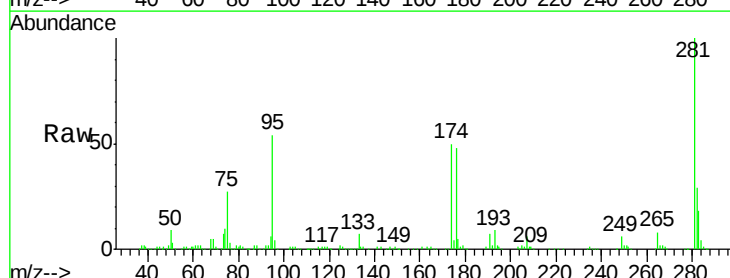
Manual Integrations
 APPROVED

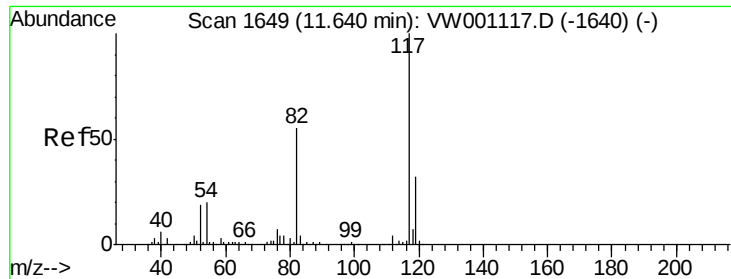
MMDadoda
 1/30/2018 5:46:52 PM



#62
 4-Bromofluorobenzene
 Concen: 19.55 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion: 95 Resp: 74393
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 179.6
 176 89.1 0.0 174.4





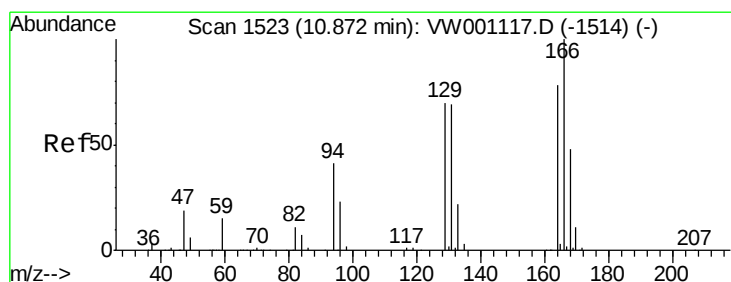
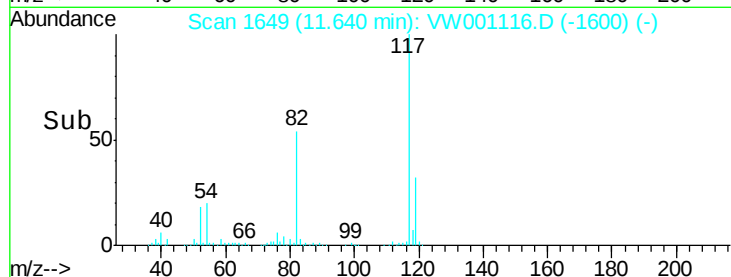
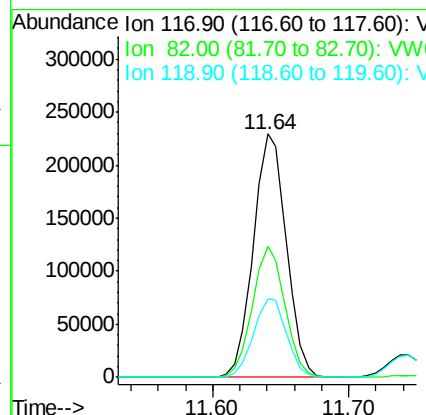
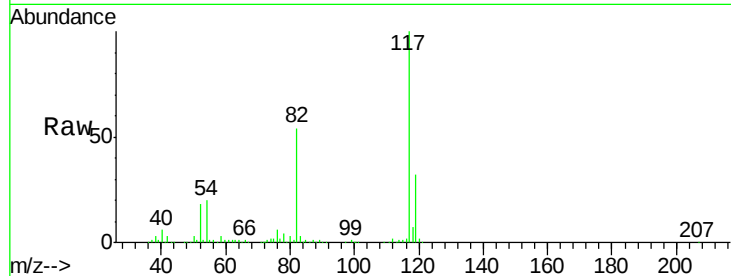
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	390226		
82	53.8		43.8	65.8
119	32.5		25.8	38.8

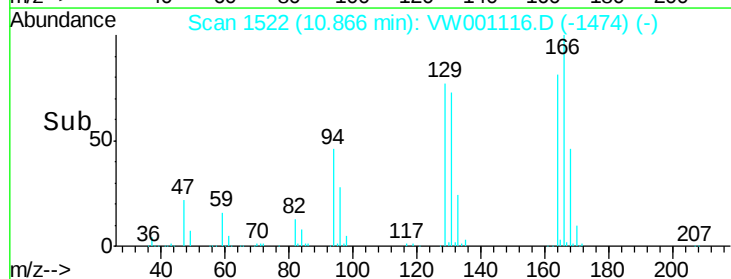
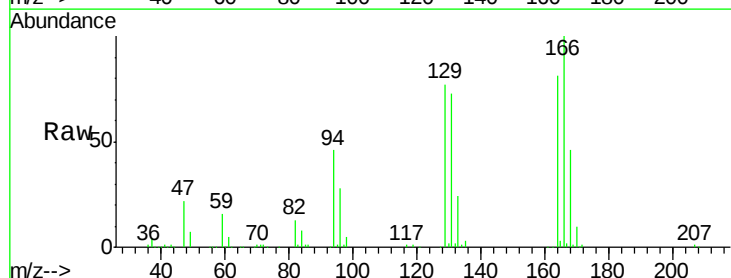
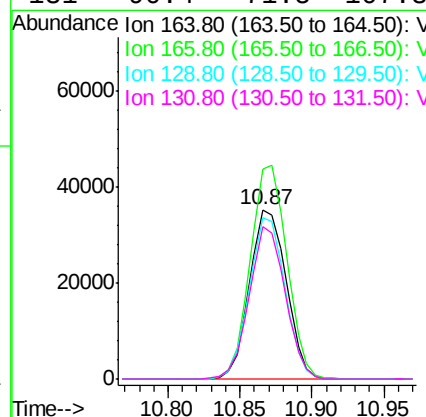
Manual Integrations
APPROVED

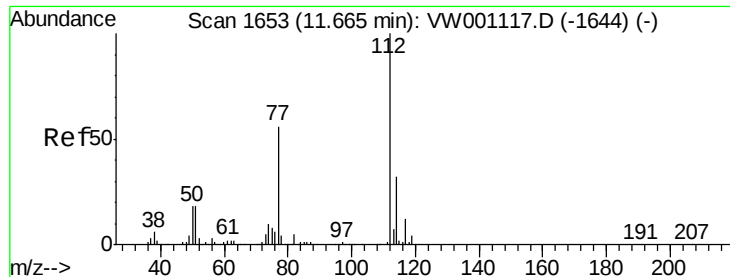
MMDadoda
1/30/2018 5:46:52 PM



#64
Tetrachloroethene
Concen: 19.74 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61937		
166	124.0		103.1	154.7
129	95.6		72.3	108.5
131	90.4		71.5	107.3





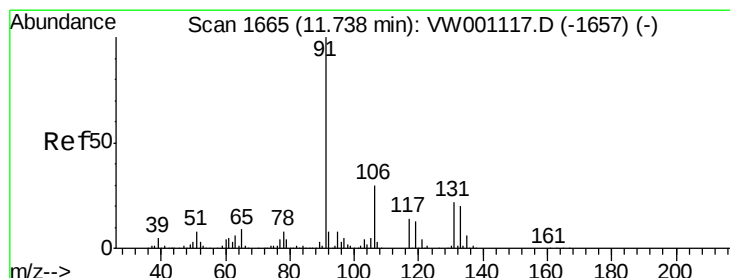
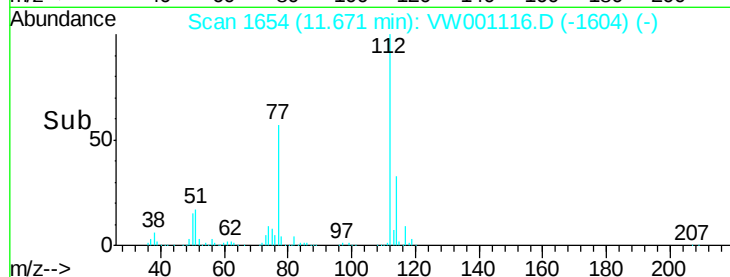
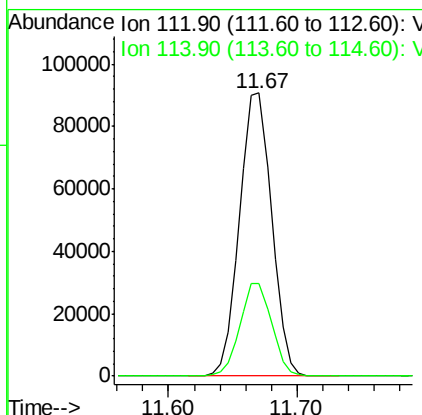
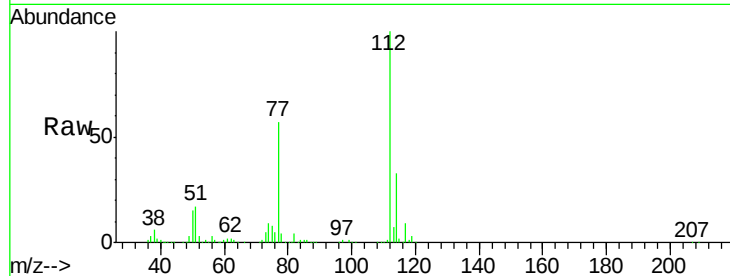
#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.5	38.3

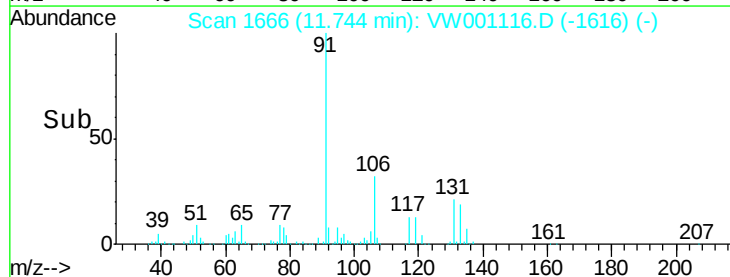
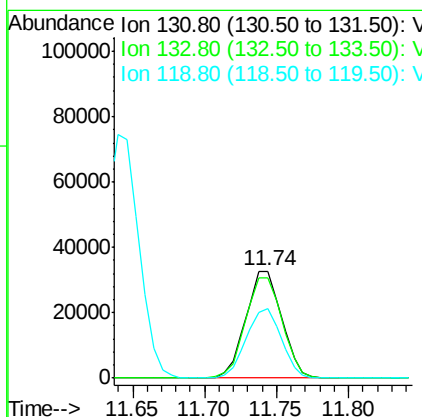
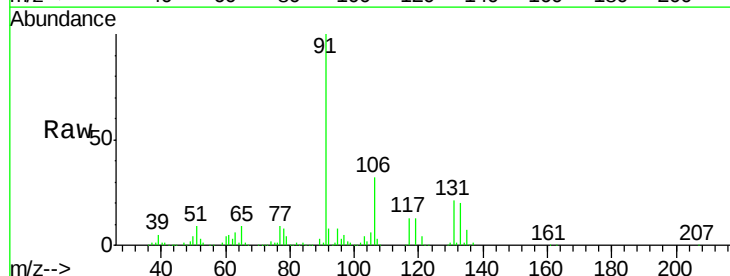
Manual Integrations
APPROVED

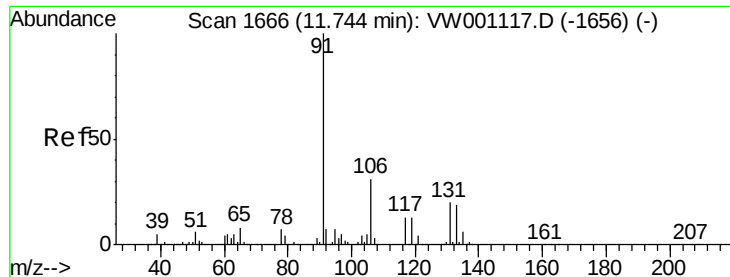
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.67 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	141.8
119	63.5	31.5	94.5





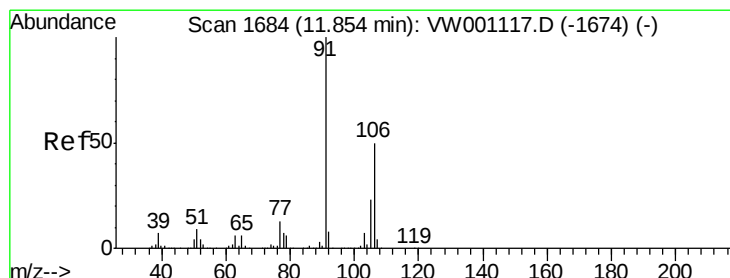
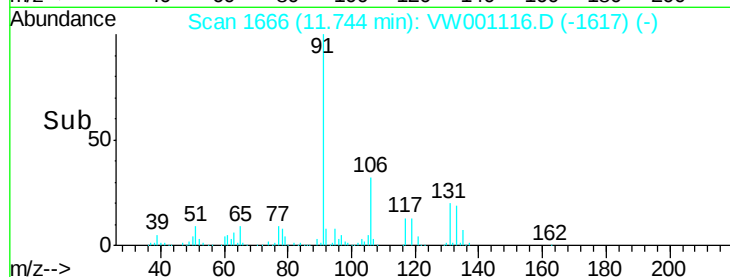
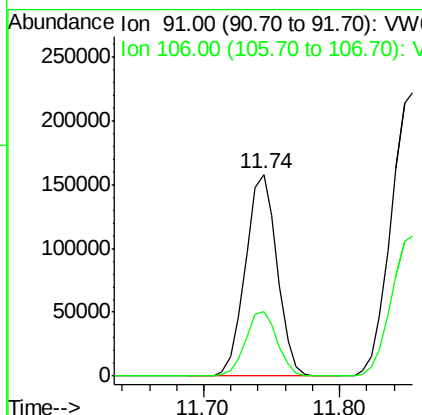
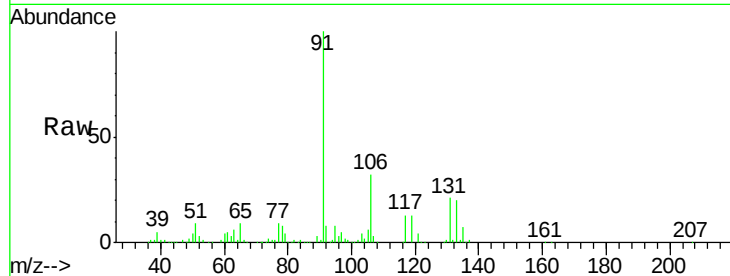
#67
Ethyl Benzene
Concen: 19.63 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.6	36.8

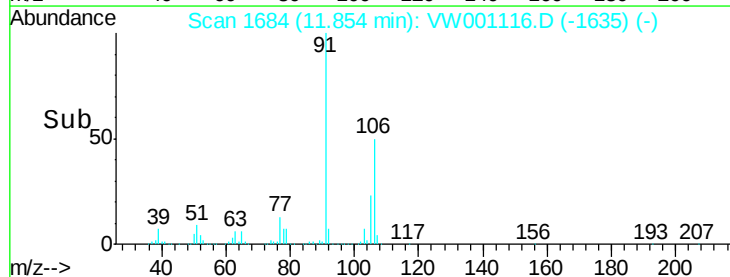
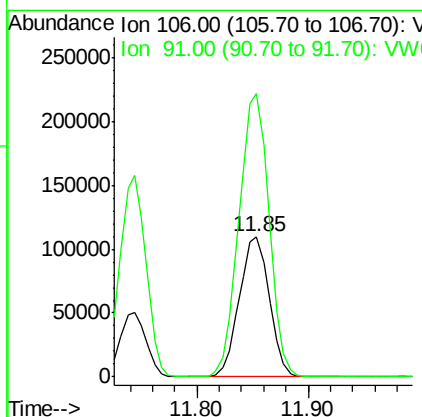
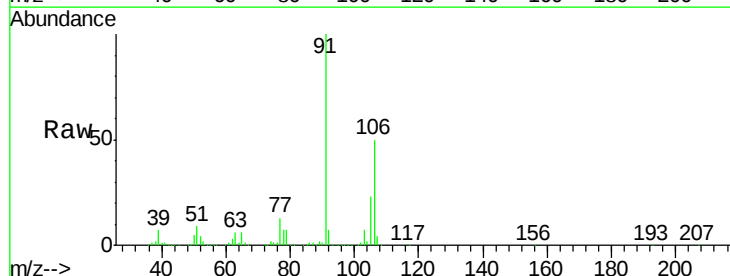
Manual Integrations
APPROVED

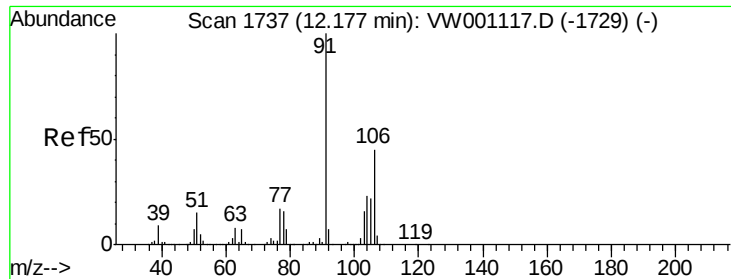
MMDadoda
1/30/2018 5:46:52 PM



#68
m/p-Xylenes
Concen: 40.24 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	163.1	244.7





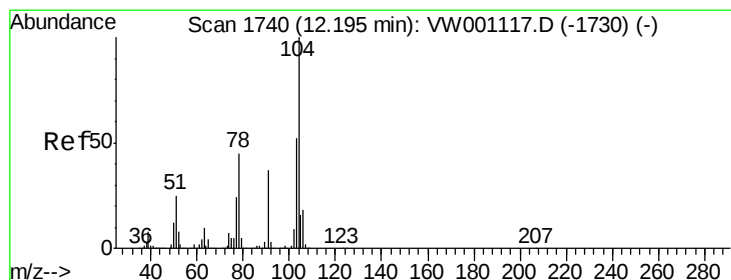
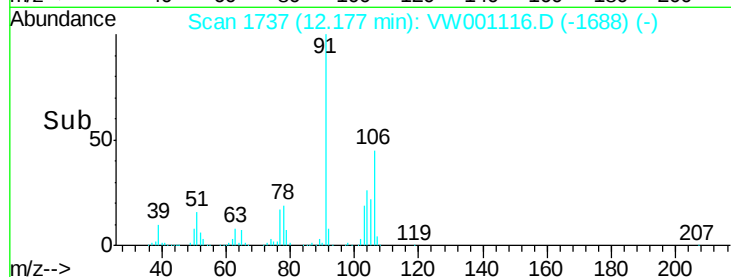
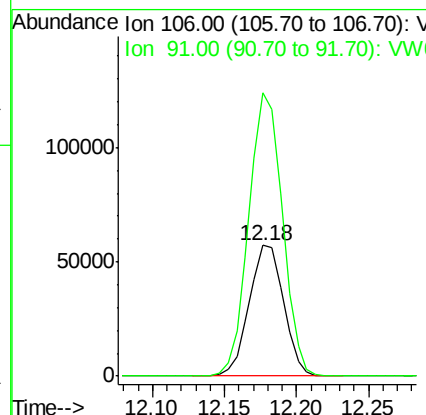
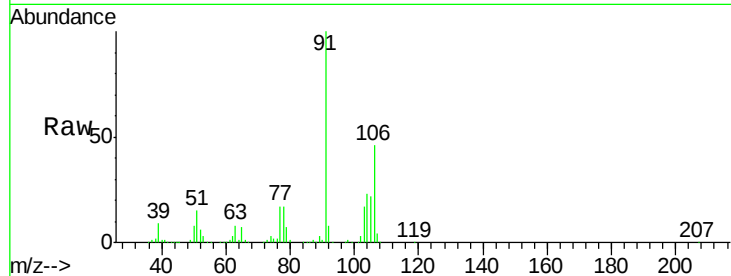
#69
o-Xylene
Concen: 20.08 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.1	107.6	322.8

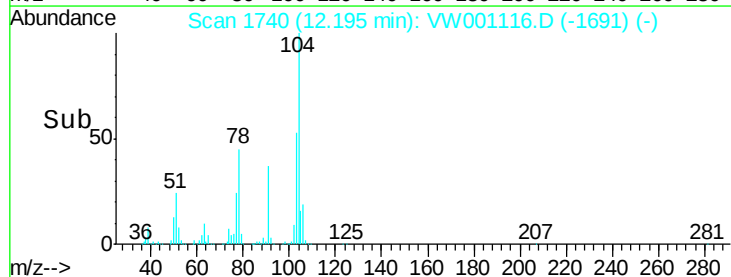
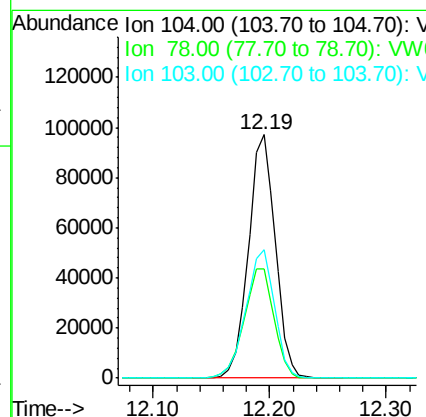
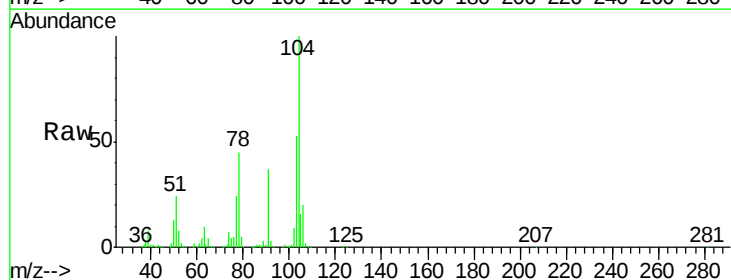
Manual Integrations
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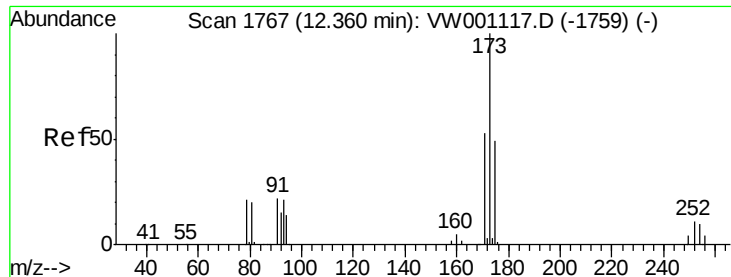
MMDadoda
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#70
Styrene
Concen: 20.23 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.9	59.9
103	56.5	44.7	67.1





#71

Bromoform

Concen: 19.24 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 35729

Ion Ratio Lower Upper

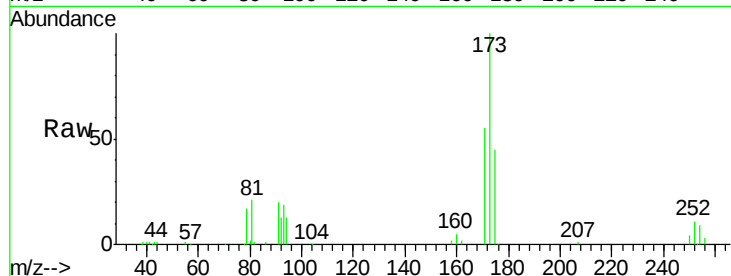
173 100

175 47.7 24.9 74.6

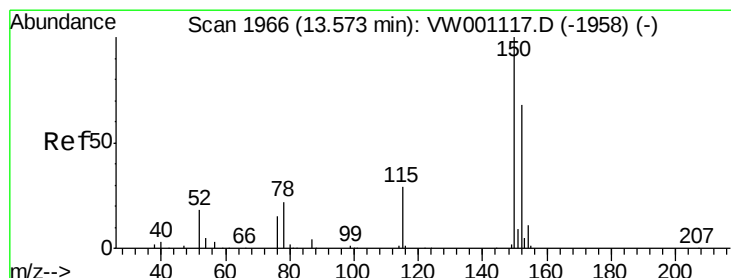
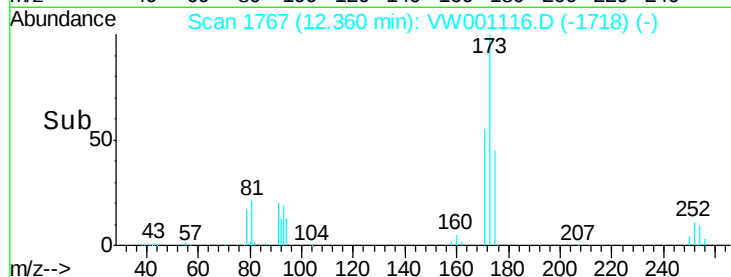
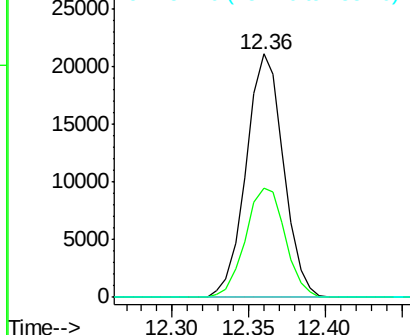
254 0.0 0.1 0.1#

Manual Integrations
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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. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

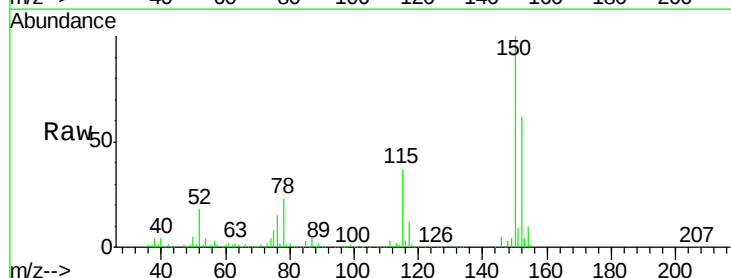
Tgt Ion:152 Resp: 211953

Ion Ratio Lower Upper

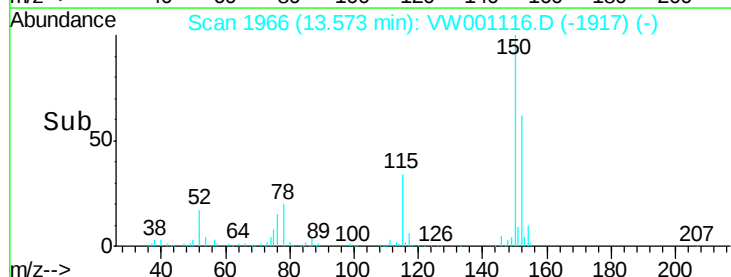
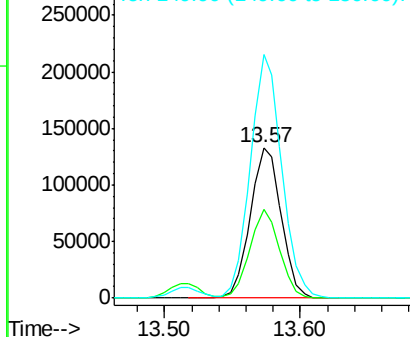
152 100

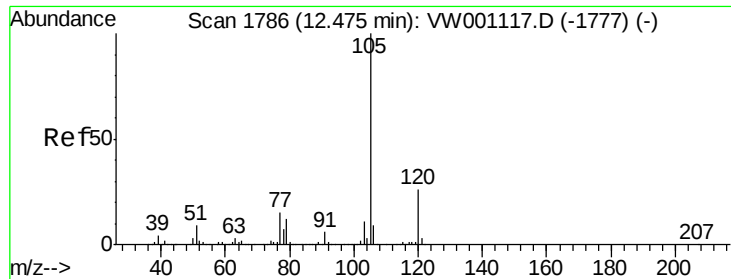
115 57.2 28.4 85.3

150 164.9 0.0 342.4



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





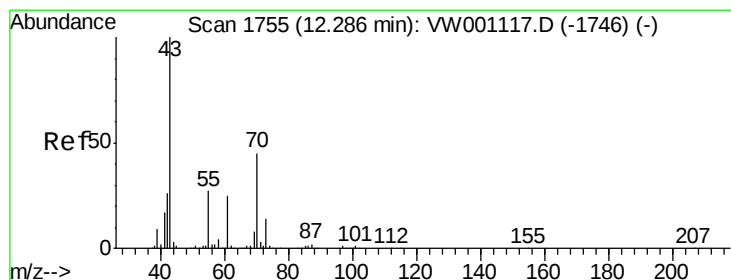
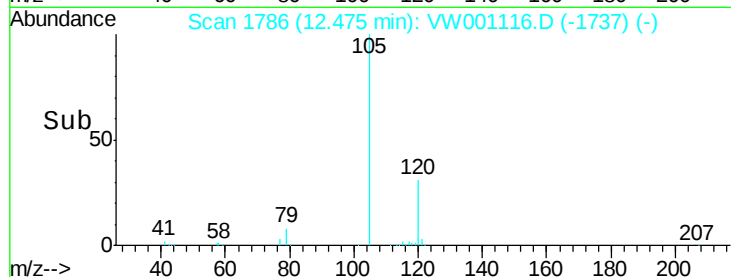
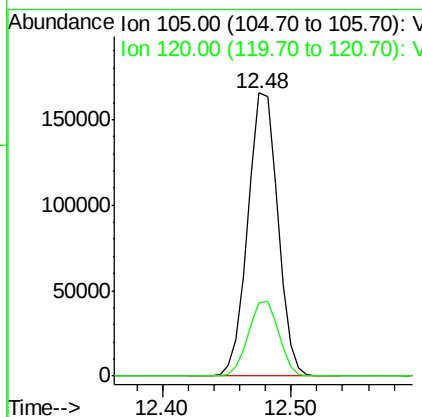
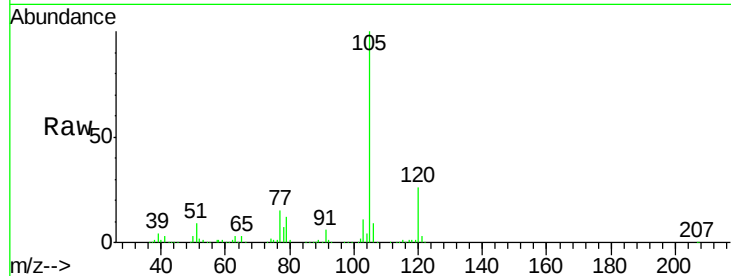
#73
Isopropylbenzene
Concen: 19.91 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

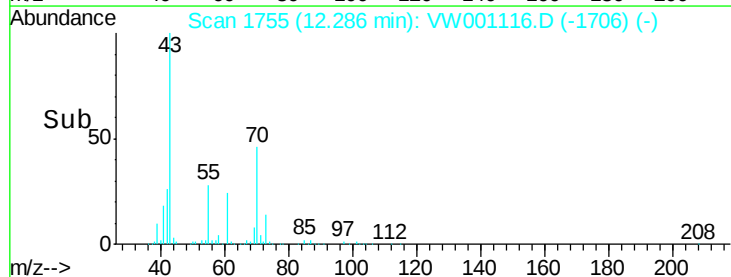
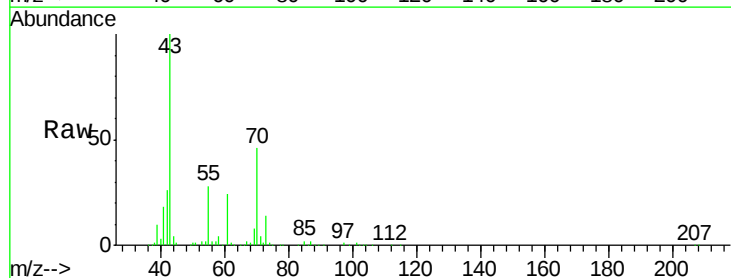
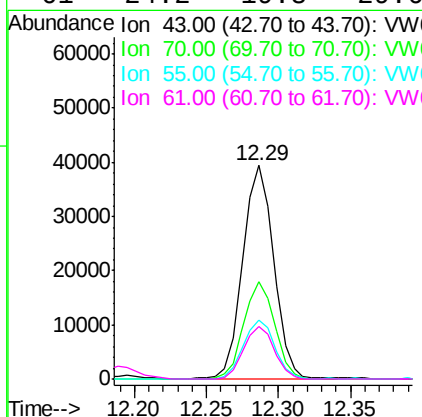
Manual Integrations
APPROVED

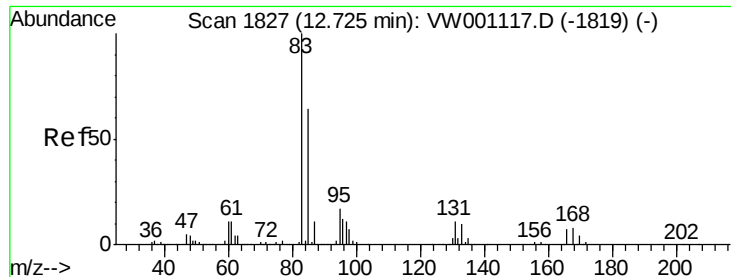
MMDadoda
1/30/2018 5:46:52 PM



#74
N-ethyl acetate
Concen: 19.37 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	36.0	54.0
55	28.0	21.7	32.5
61	24.2	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.40 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

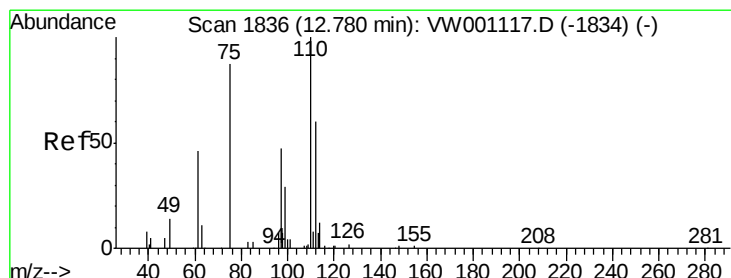
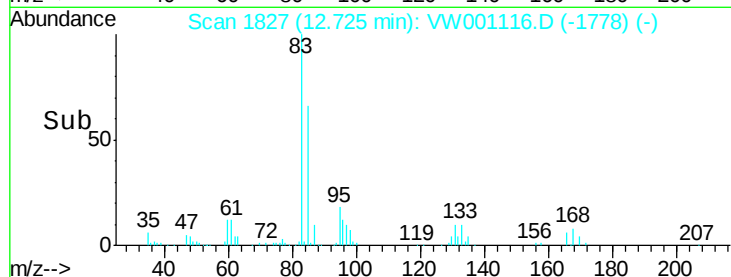
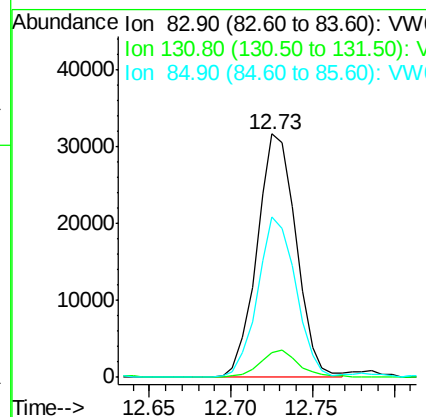
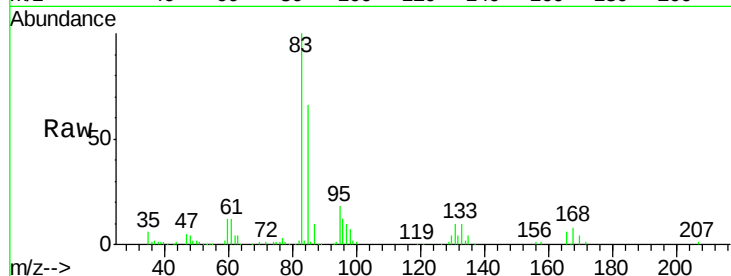
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	52674
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.8	17.4
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.25 ug/l m

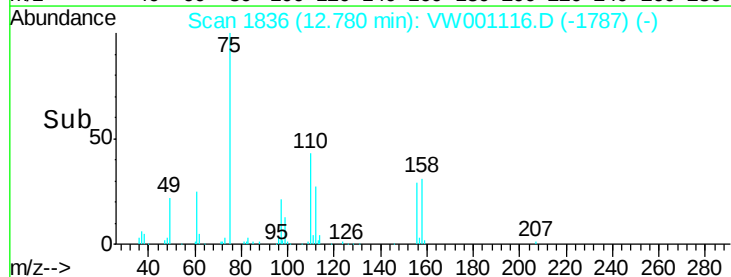
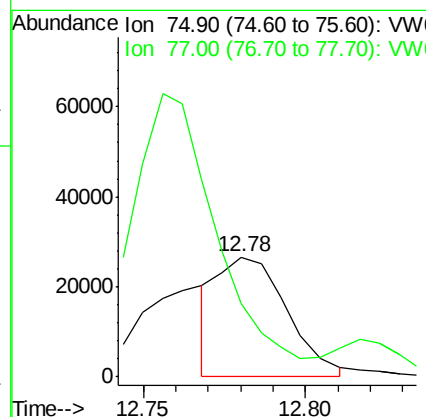
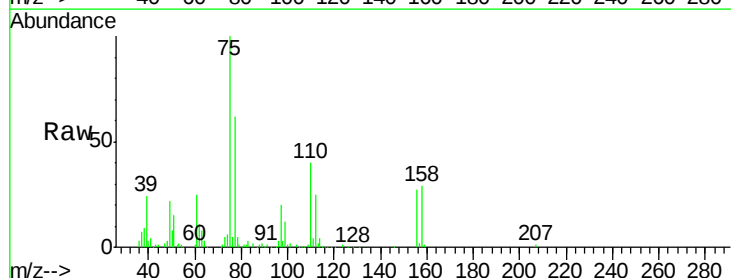
RT: 12.78 min Scan# 1836

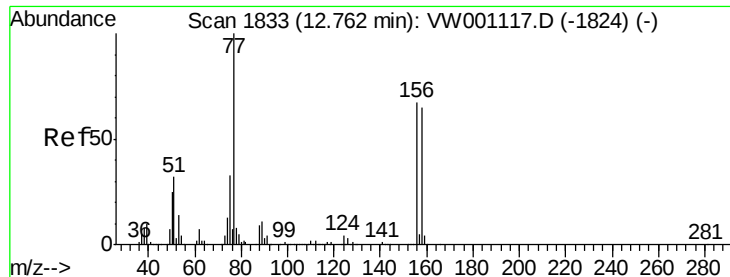
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	75	Resp:	39378
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.69 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

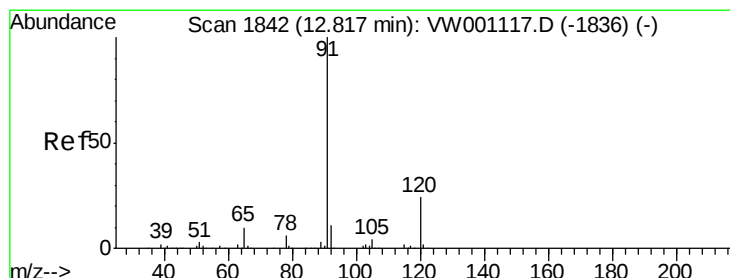
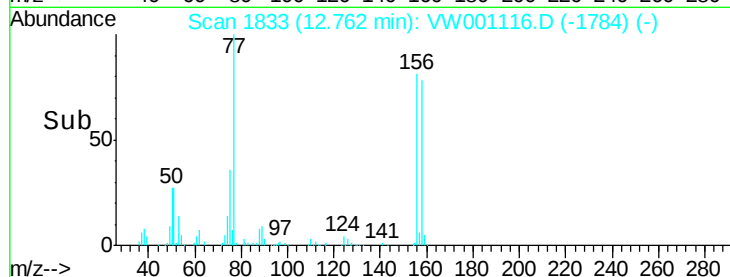
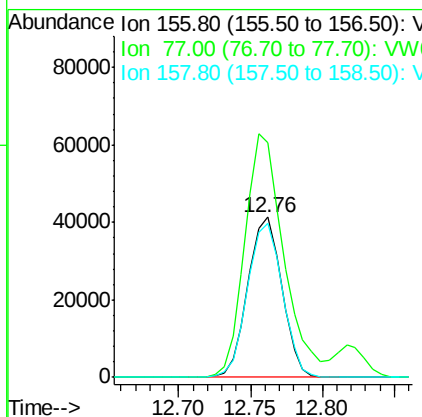
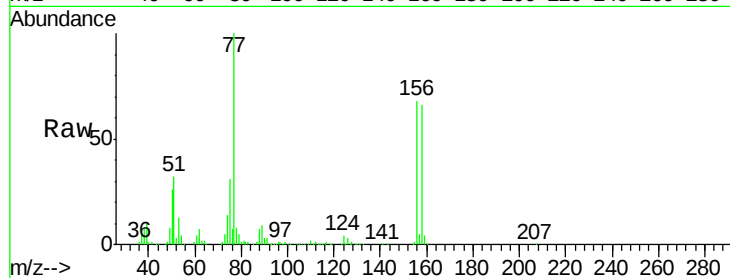
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	67852
Ion	Ratio	Lower	Upper
156	100		
77	172.9	85.3	255.8
158	98.6	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 20.07 ug/l

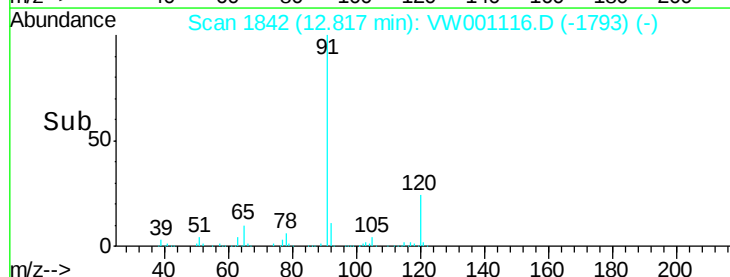
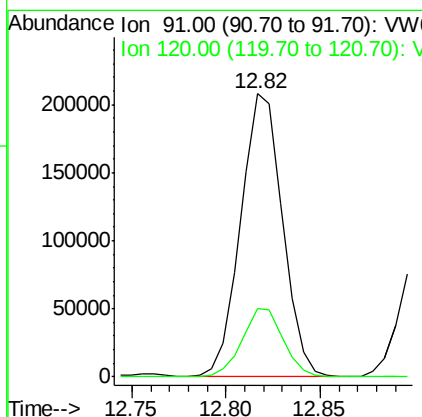
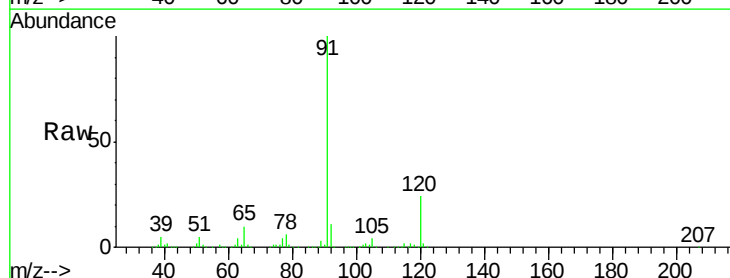
RT: 12.82 min Scan# 1842

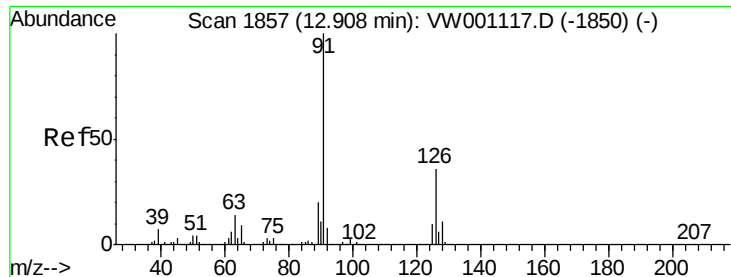
Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	91	Resp:	319066
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.7





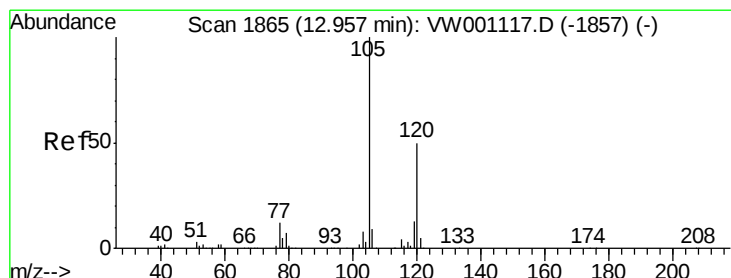
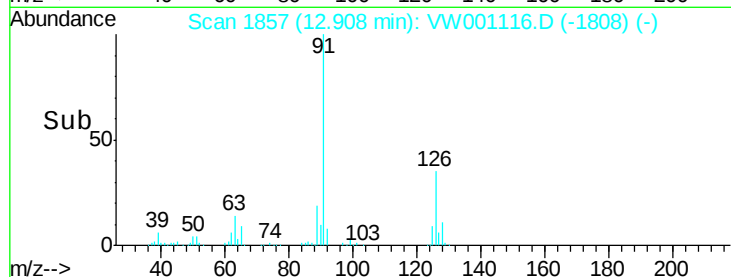
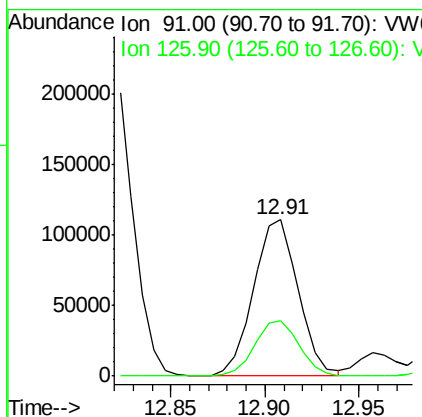
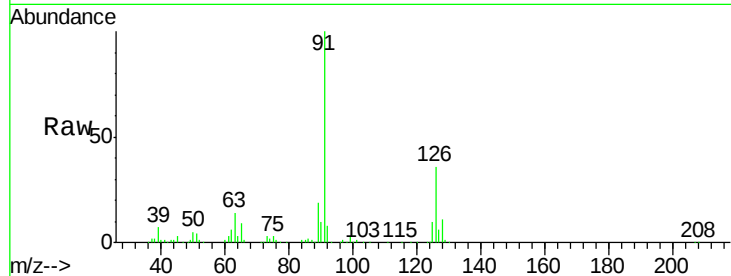
#79
2-Chlorotoluene
Concen: 20.03 ug/l
RT: 12.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 182171
Ion Ratio Lower Upper
91 100
126 35.3 17.5 52.6

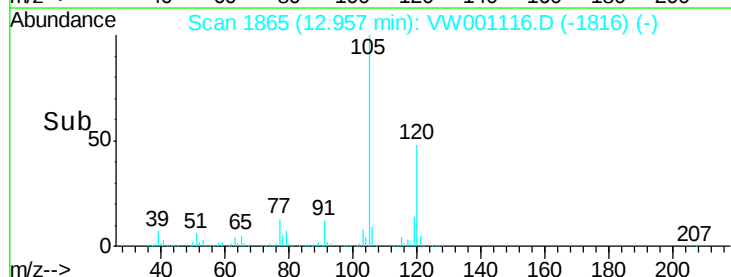
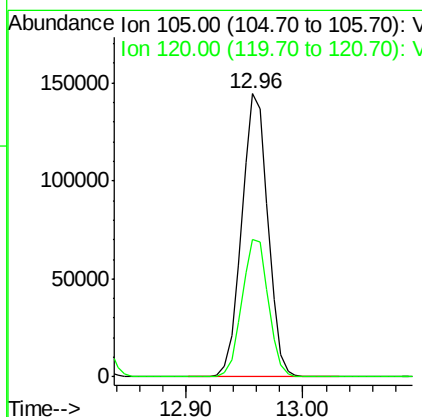
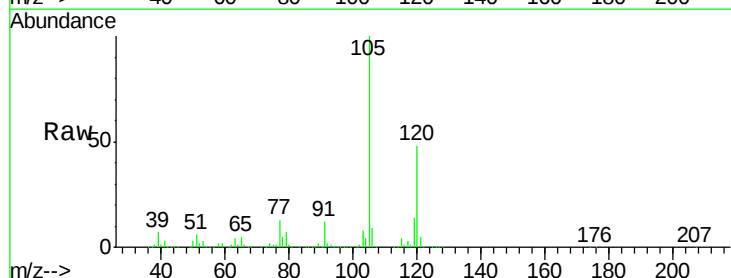
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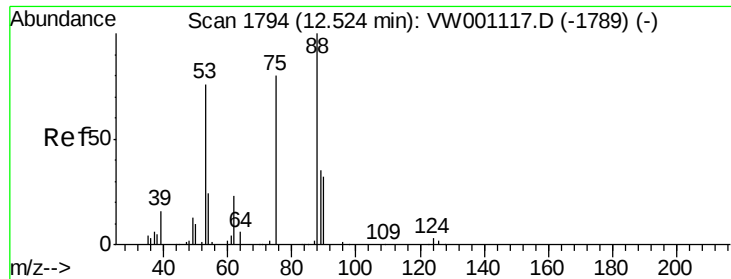
MM Dadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.95 ug/l
RT: 12.96 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion: 105 Resp: 226509
Ion Ratio Lower Upper
105 100
120 49.1 24.9 74.7





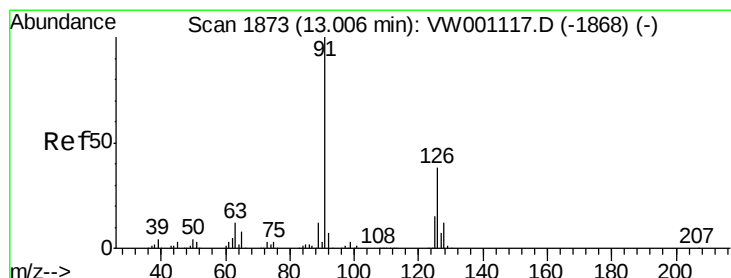
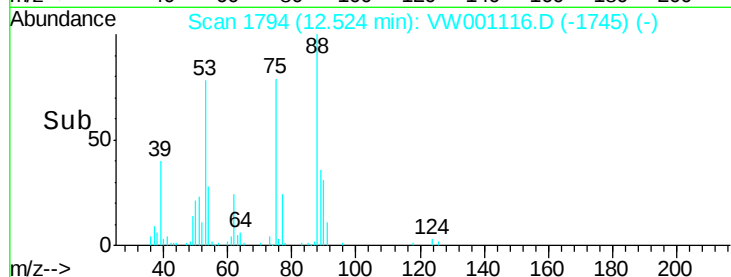
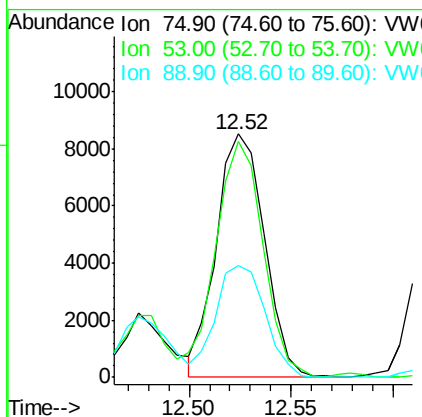
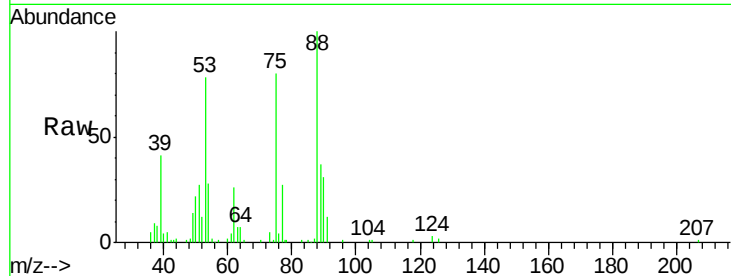
#81
trans-1,4-Dichloro-2-butene
Concen: 17.08 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	75.0	112.6
89	47.6	38.2	57.4

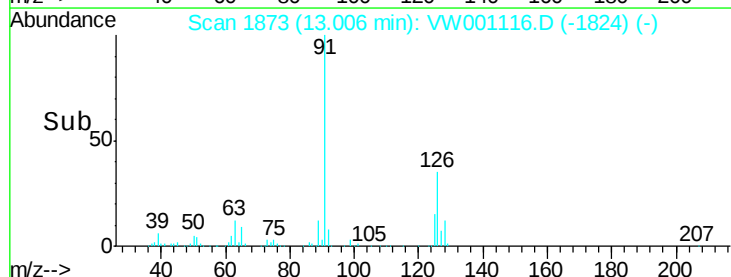
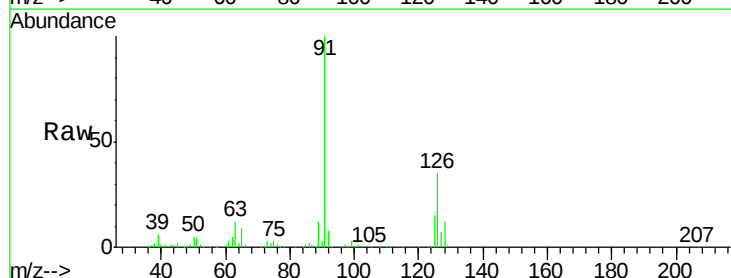
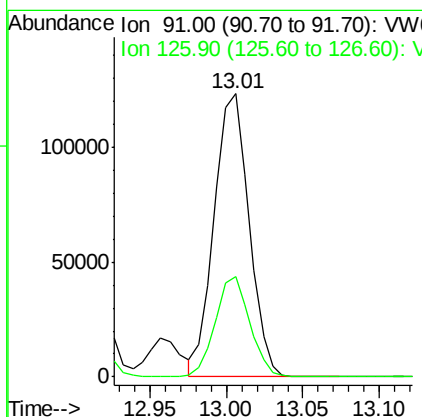
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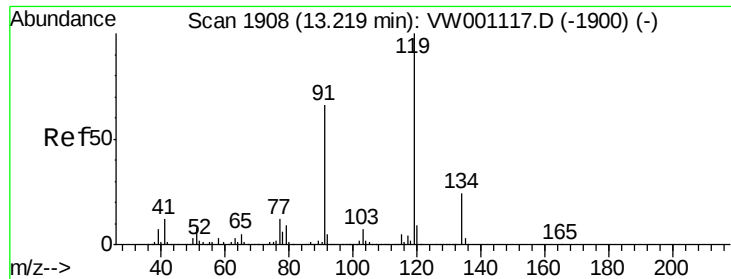
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.22 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.8	53.4





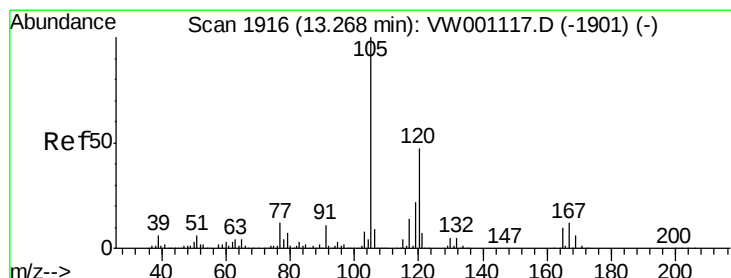
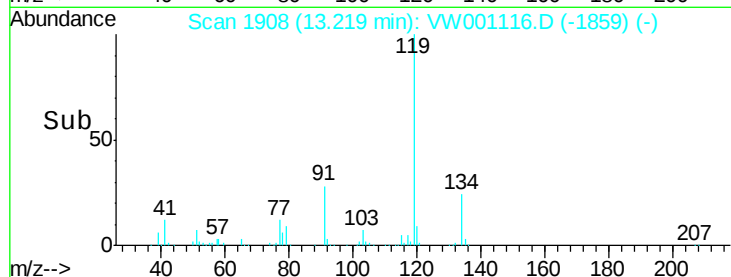
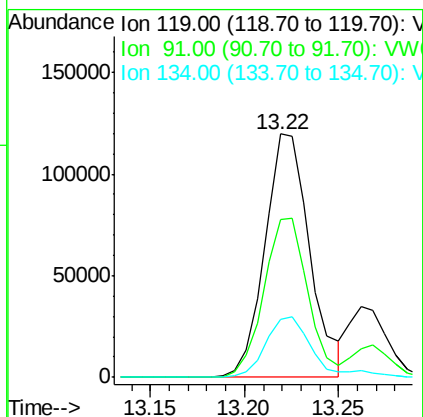
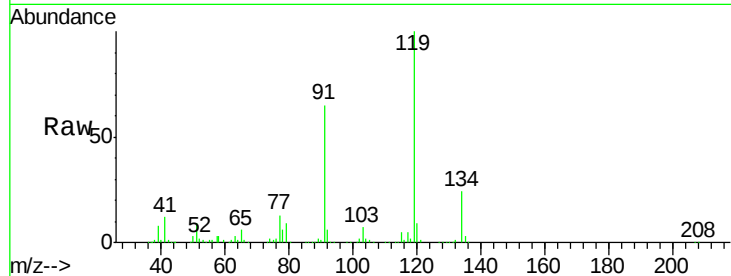
#83
tert-Butylbenzene
Concen: 19.70 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.9	95.5
134	26.3	12.7	38.0

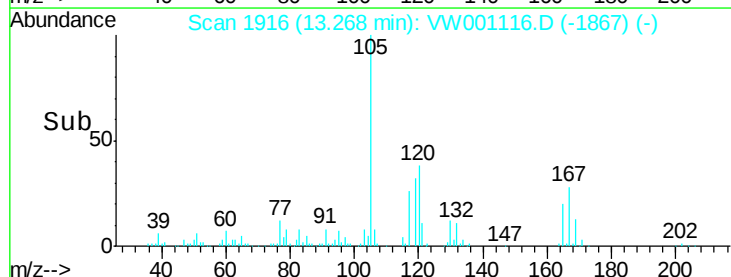
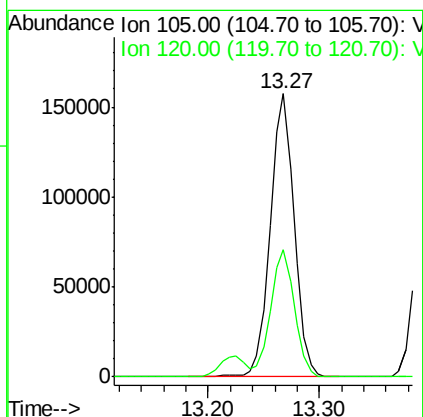
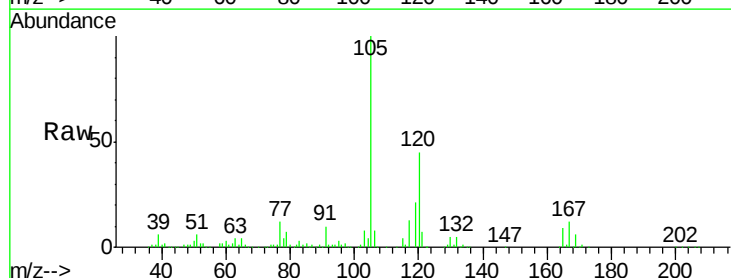
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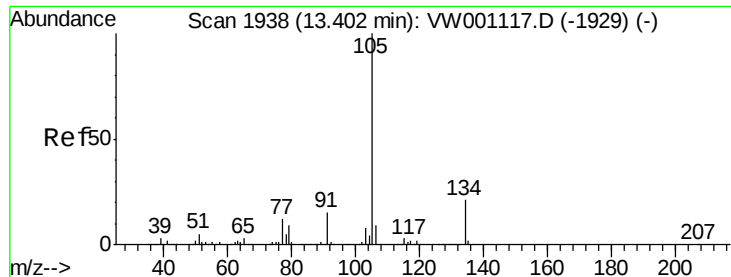
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#84
1,2,4-Trimethylbenzene
Concen: 20.38 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.8





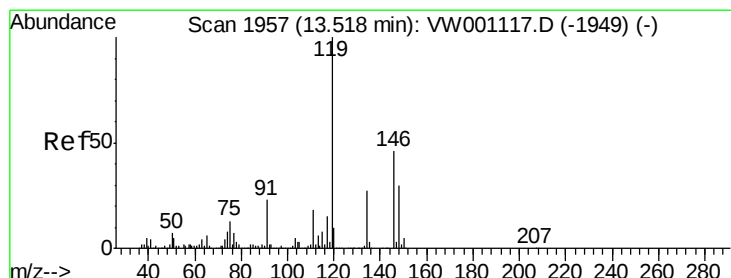
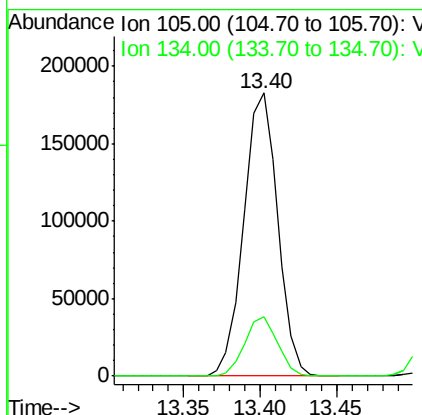
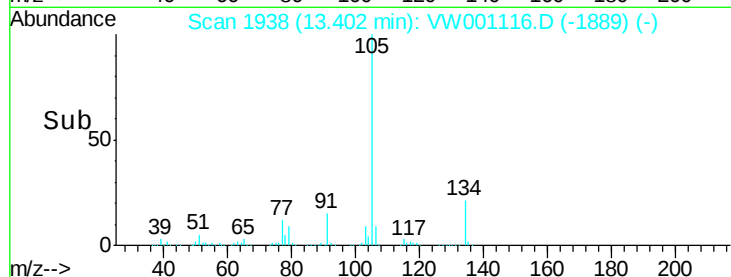
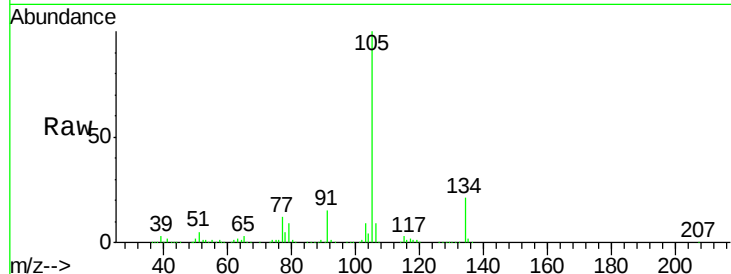
#85
 sec-Butylbenzene
 Concen: 19.85 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

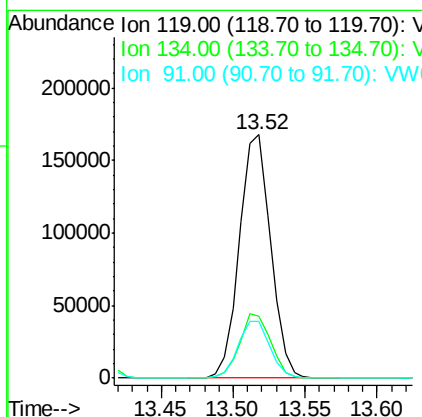
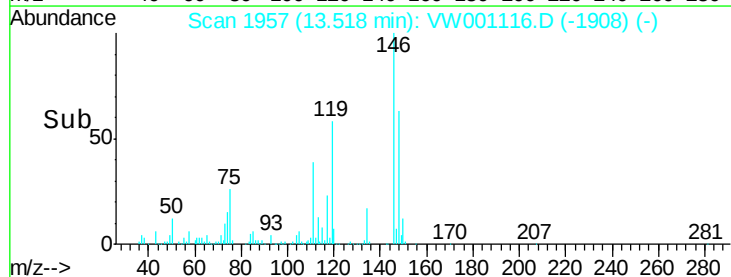
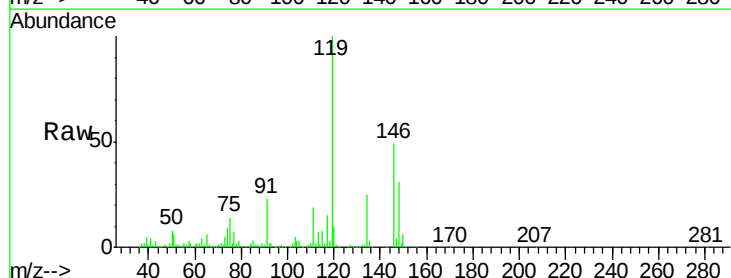
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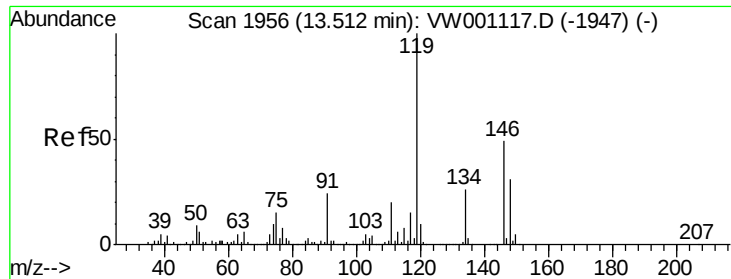
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#86
 p-Isopropyltoluene
 Concen: 20.00 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	23.6	11.8	35.4





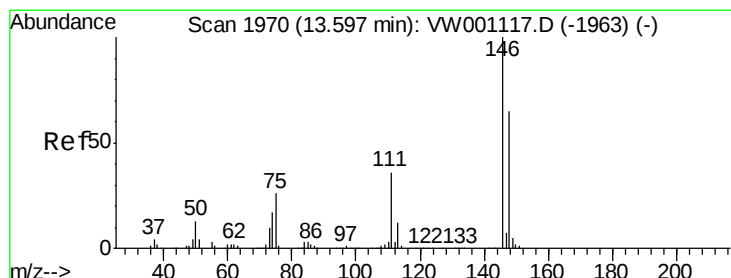
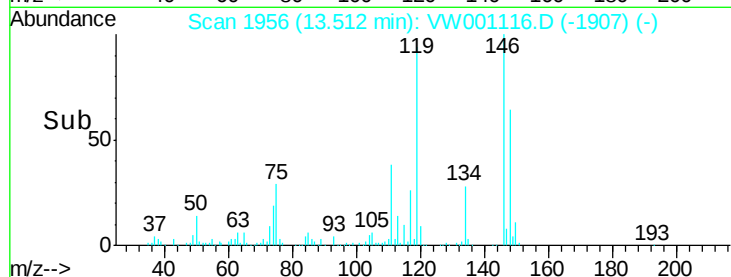
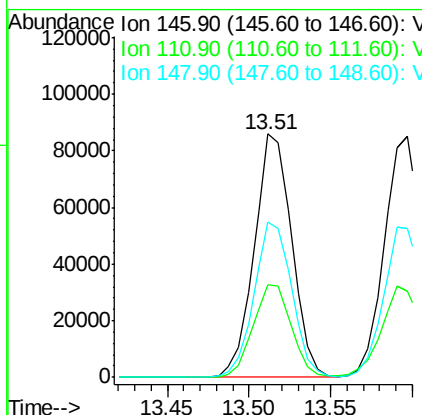
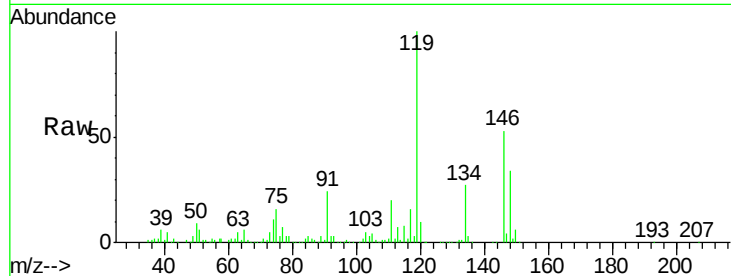
#87
 1,3-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.0	31.9	95.5

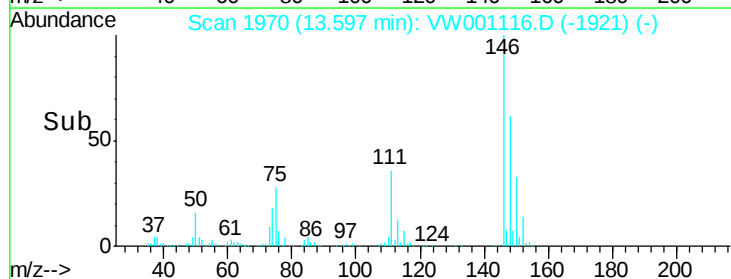
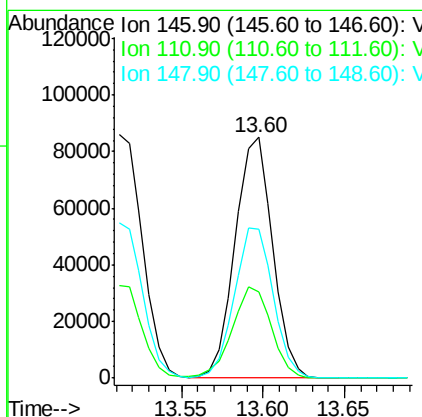
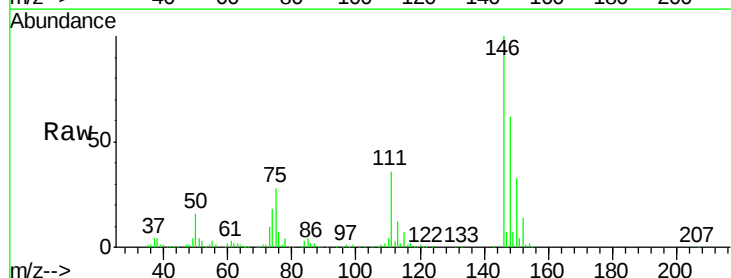
Manual Integrations
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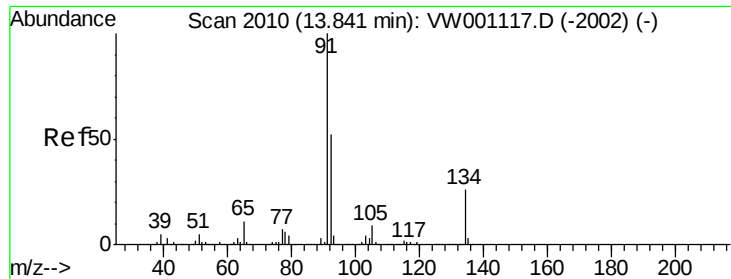
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#88
 1,4-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.1
148	64.5	32.5	97.5





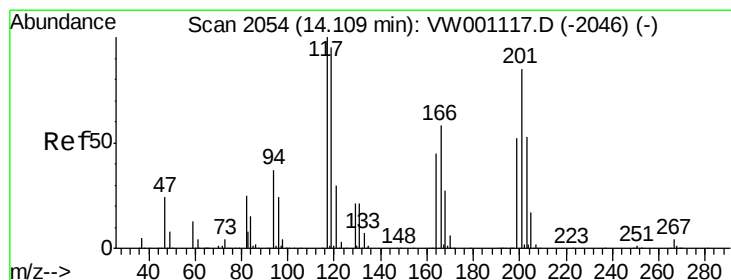
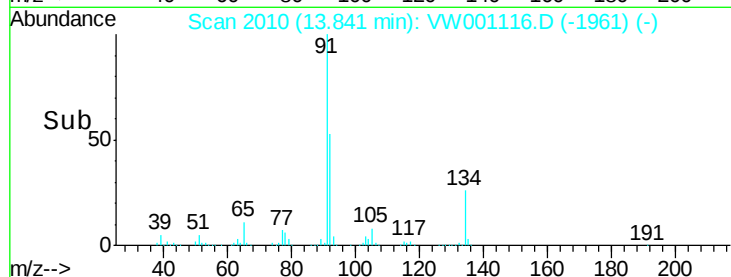
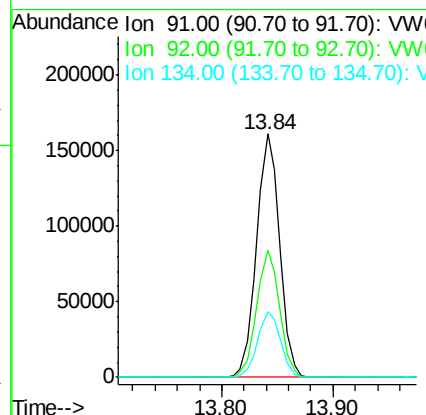
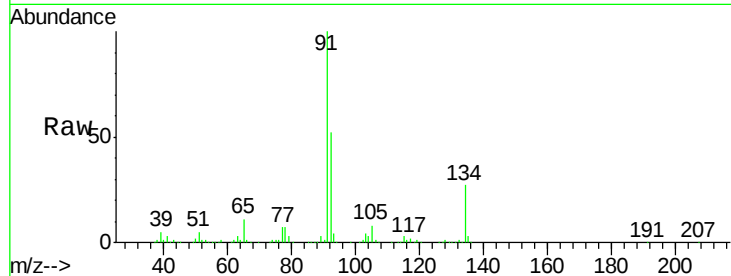
#89
n-Butylbenzene
Concen: 19.79 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	27.0	13.6	40.8

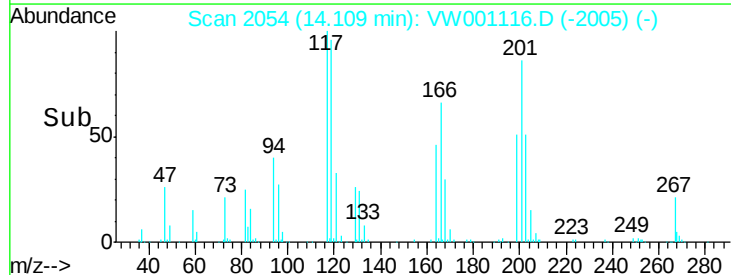
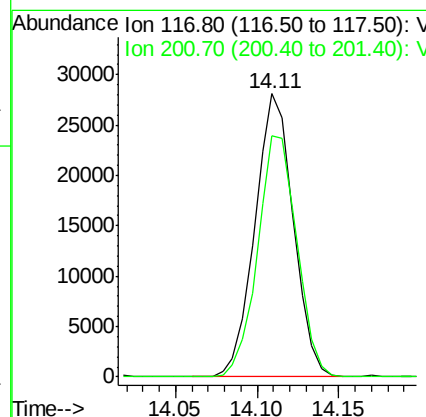
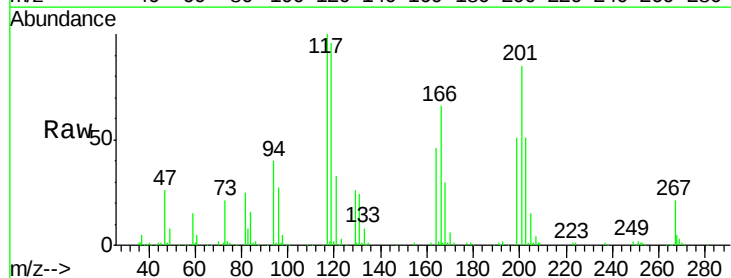
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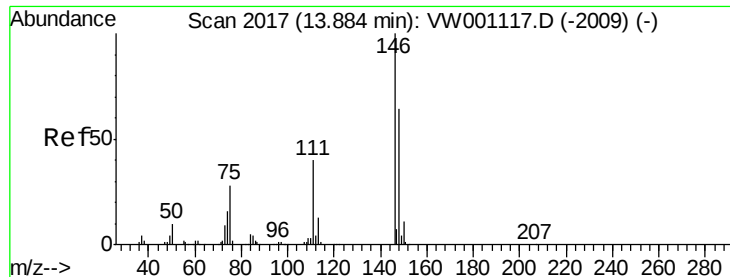
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#90
Hexachloroethane
Concen: 19.58 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW001116.D
Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.3	129.8





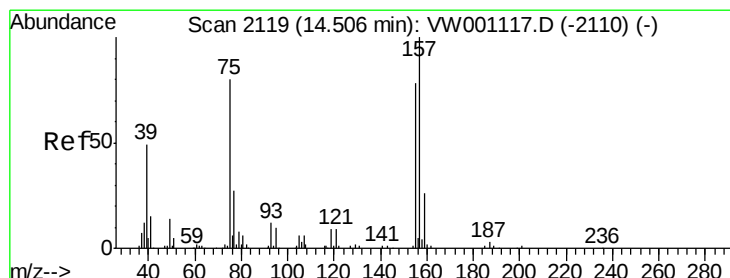
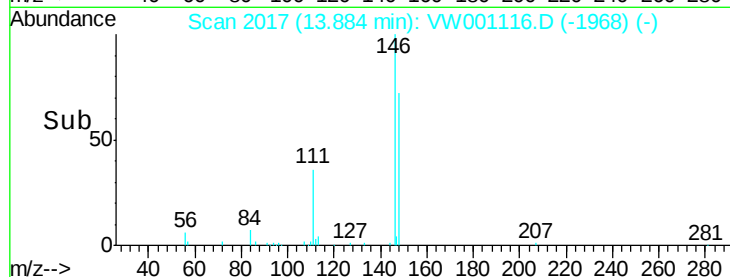
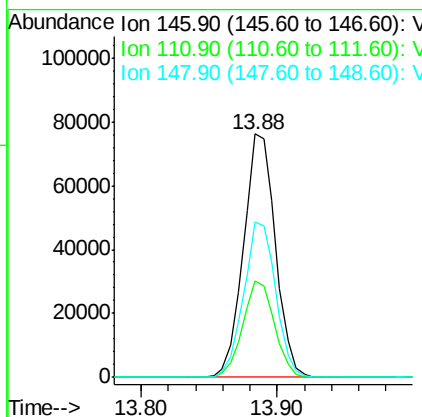
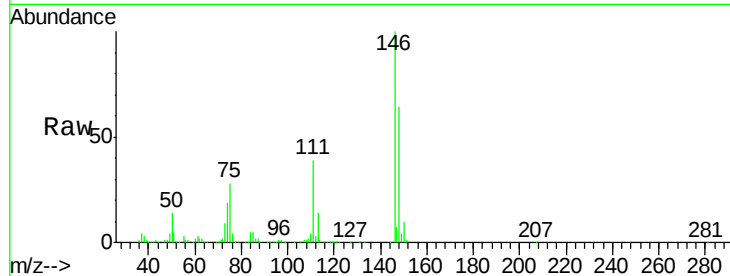
#91
 1,2-Dichlorobenzene
 Concen: 20.06 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.4	61.2
148	64.1	32.2	96.6

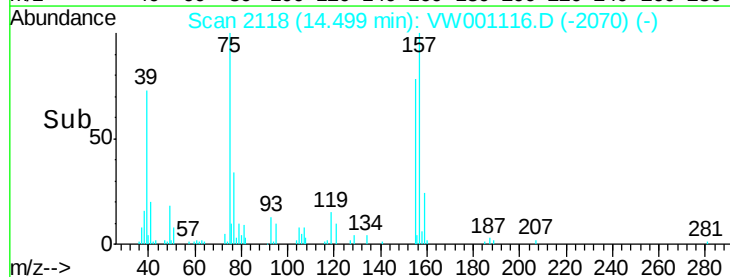
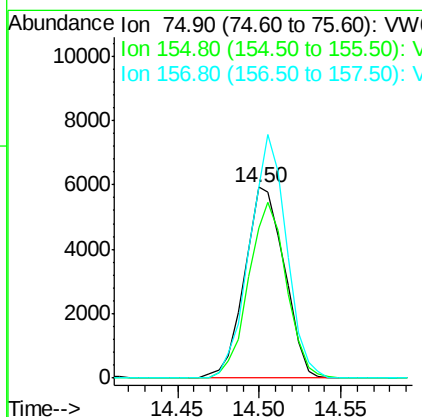
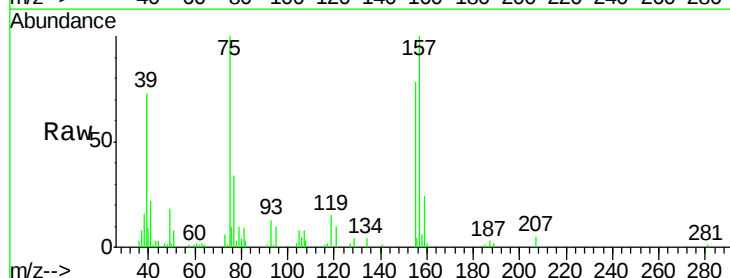
Manual Integrations
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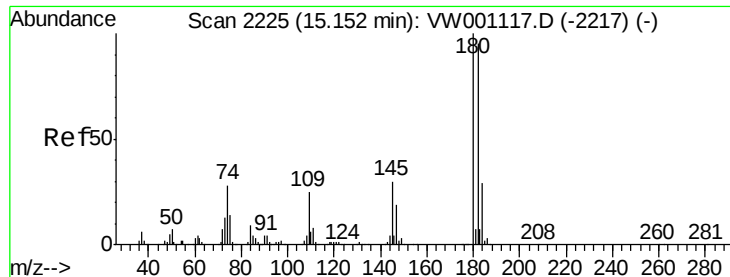
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.37 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	46.3	138.9
157	117.7	60.0	180.0





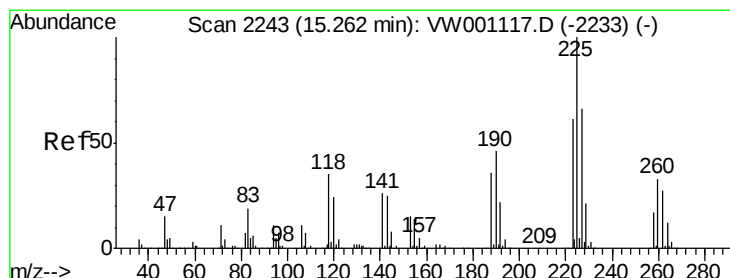
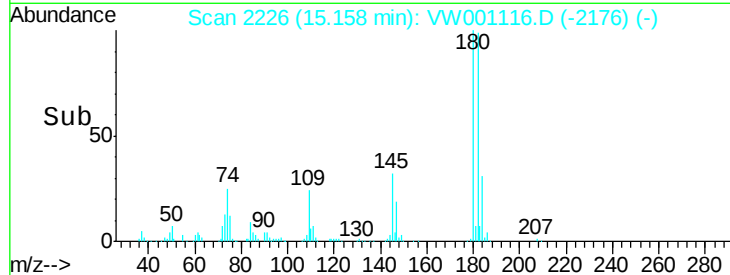
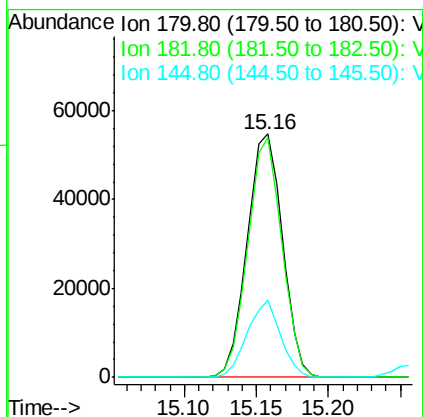
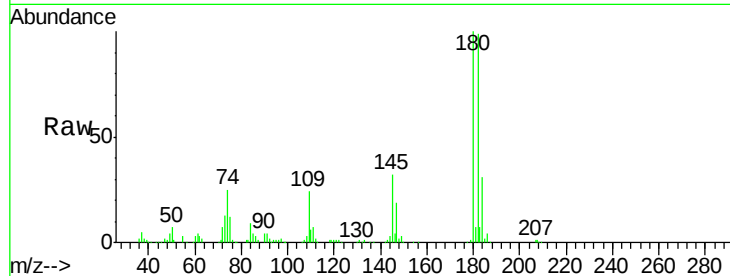
#93
 1,2,4-Trichlorobenzene
 Concen: 20.24 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92757		
182	94.9	47.6	142.9	
145	29.8	15.0	45.1	

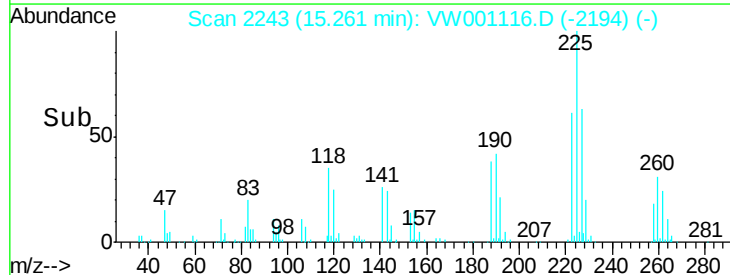
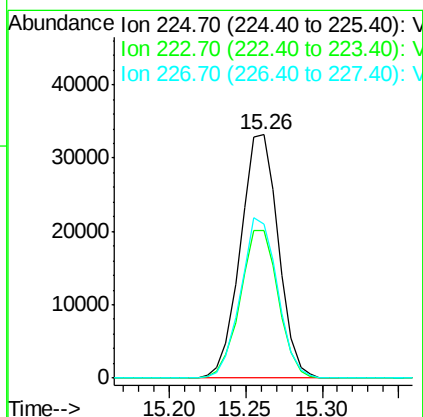
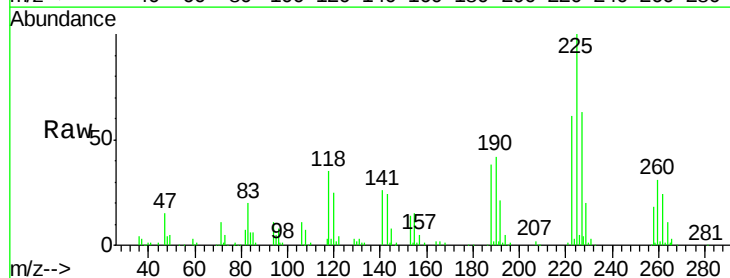
Manual Integrations
 APPROVED

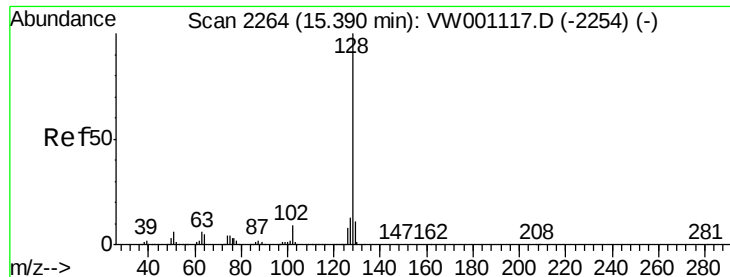
MMDadoda
 1/30/2018 5:46:52 PM



#94
 Hexachlorobutadiene
 Concen: 20.15 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: VW001116.D
 Acq: 29 Jan 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57100		
223	60.7	31.1	93.3	
227	64.1	32.6	97.8	





#95

Naphthalene

Concen: 19.49 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Instrument :

MSVOA_W

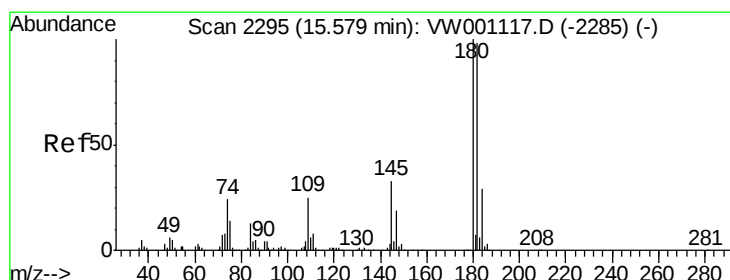
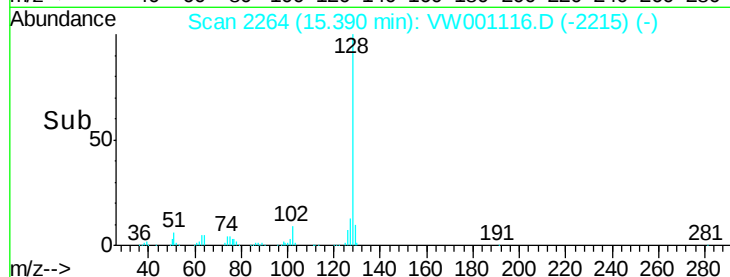
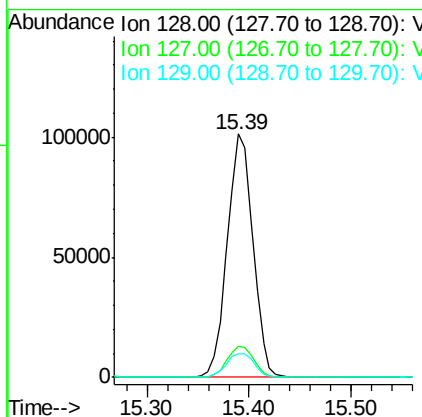
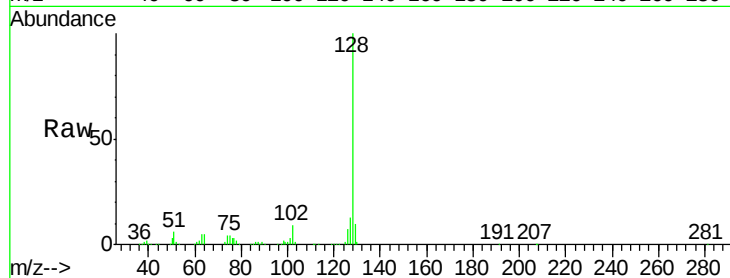
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	176245
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.7	16.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 20.28 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VW001116.D

Acq: 29 Jan 2018 12:54

Tgt Ion:	180	Resp:	85731
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.7	146.1
145	32.0	16.0	47.9

