

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001146.D
 Acq On : 30 Jan 2018 03:00
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2018 5:46:59 PM

Quant Time: Jan 30 15:14:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	389225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	210249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134127	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	7.88	113	120307	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	10.33	98	494904	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.63	95	177231	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	116958	45.05	ug/l	99
3) Chloromethane	2.21	50	97966	43.20	ug/l	98
4) Vinyl Chloride	2.36	62	99529	44.08	ug/l	99
5) Bromomethane	2.74	94	76604	57.74	ug/l	98
6) Chloroethane	2.90	64	56474	44.08	ug/l	100
7) Trichlorofluoromethane	3.25	101	193225	46.05	ug/l	99
8) Diethyl Ether	3.67	74	49130	45.00	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	130679	46.82	ug/l	98
10) Methyl Iodide	4.26	142	101362	34.39	ug/l	99
11) Tert butyl alcohol	5.19	59	64563	269.79	ug/l	99
12) 1,1-Dichloroethene	4.02	96	114134	46.81	ug/l	96
13) Acrolein	3.89	56	78653	204.64	ug/l	100
14) Allyl chloride	4.66	41	161256	44.27	ug/l	99
15) Acrylonitrile	5.37	53	187375	252.79	ug/l	99
16) Acetone	4.13	43	190304	243.00	ug/l	99
17) Carbon Disulfide	4.36	76	346724	45.79	ug/l	98
18) Methyl Acetate	4.68	43	90335	49.29	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	301401	47.76	ug/l	99
20) Methylene Chloride	4.91	84	126604	48.83	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	126773	46.55	ug/l	99
22) Diisopropyl ether	6.31	45	333478	47.78	ug/l	99
23) Vinyl Acetate	6.26	43	897074	214.54	ug/l	100
24) 1,1-Dichloroethane	6.21	63	212402	46.64	ug/l	97
25) 2-Butanone	7.18	43	249174	242.40	ug/l	98
26) 2,2-Dichloropropane	7.17	77	186910	41.49	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	135926	46.80	ug/l	99
28) Bromochloromethane	7.51	49	88796	47.97	ug/l	99
29) Tetrahydrofuran	7.54	42	152913	260.48	ug/l	99
30) Chloroform	7.67	83	230995	46.81	ug/l	98
31) Cyclohexane	7.95	56	193984	43.89	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	217746	46.63	ug/l	100
36) 1,1-Dichloropropene	8.08	75	179030	47.59	ug/l	99
37) Ethyl Acetate	7.26	43	99675	50.11	ug/l	99
38) Carbon Tetrachloride	8.07	117	199366	47.45	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	212414	47.82	ug/l	99
40) Benzene	8.32	78	501973	48.19	ug/l	99
41) Methacrylonitrile	7.49	41	51223	46.43	ug/l	92
42) 1,2-Dichloroethane	8.40	62	158898	48.51	ug/l	100
43) Isopropyl Acetate	8.43	43	168491	49.24	ug/l	99
44) Trichloroethene	9.09	130	149238	47.72	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122635	48.89	ug/l	97
46) Dibromomethane	9.46	93	76327	48.66	ug/l	99
47) Bromodichloromethane	9.65	83	171927	48.44	ug/l	99
48) Methyl methacrylate	9.45	41	84060	51.40	ug/l	98
49) 1,4-Dioxane	9.45	88	30732	1099.49	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	490567	262.38	ug/l	100
52) Toluene	10.40	92	326876	48.87	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	166443	46.48	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	185706	46.45	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	108156	48.37	ug/l	97
56) Ethyl methacrylate	10.65	69	133660	50.99	ug/l	99
57) 1,3-Dichloropropane	10.94	76	177001	48.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	442575	253.62	ug/l	100
59) 2-Hexanone	10.98	43	367988	260.16	ug/l	100
60) Dibromochloromethane	11.13	129	133114	48.85	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109290	48.47	ug/l	99
64) Tetrachloroethene	10.87	164	167859	53.63	ug/l	97
65) Chlorobenzene	11.66	112	371373	47.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136068	47.47	ug/l	99
67) Ethyl Benzene	11.74	91	634445	48.41	ug/l	97
68) m/p-Xylenes	11.85	106	496693	97.28	ug/l	99
69) o-Xylene	12.18	106	231591	49.19	ug/l	99
70) Styrene	12.19	104	386083	49.89	ug/l	100
71) Bromoform	12.36	173	91601	49.46	ug/l #	99
73) Isopropylbenzene	12.48	105	650959	49.43	ug/l	100
74) N-amyl acetate	12.29	43	151340	50.32	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	133247	49.47	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	180440	84.68	ug/l #	100
77) Bromobenzene	12.76	156	164882	48.23	ug/l	100
78) n-propylbenzene	12.82	91	765158	48.53	ug/l	100
79) 2-Chlorotoluene	12.91	91	437306	48.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	553755	49.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	34841	42.99	ug/l	98
82) 4-Chlorotoluene	13.01	91	459372	47.75	ug/l	99
83) tert-Butylbenzene	13.23	119	484952	48.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	565682	49.36	ug/l	99
85) sec-Butylbenzene	13.40	105	682922	48.52	ug/l	100
86) p-Isopropyltoluene	13.51	119	617192	49.31	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	321025	47.56	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	317318	46.78	ug/l	99
89) n-Butylbenzene	13.84	91	556673	47.74	ug/l	100
90) Hexachloroethane	14.11	117	110258	47.24	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	293700	47.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27207	50.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	206602	45.44	ug/l	100
94) Hexachlorobutadiene	15.26	225	133416	47.45	ug/l	99
95) Naphthalene	15.39	128	431827	48.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	187468	44.71	ug/l	99

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

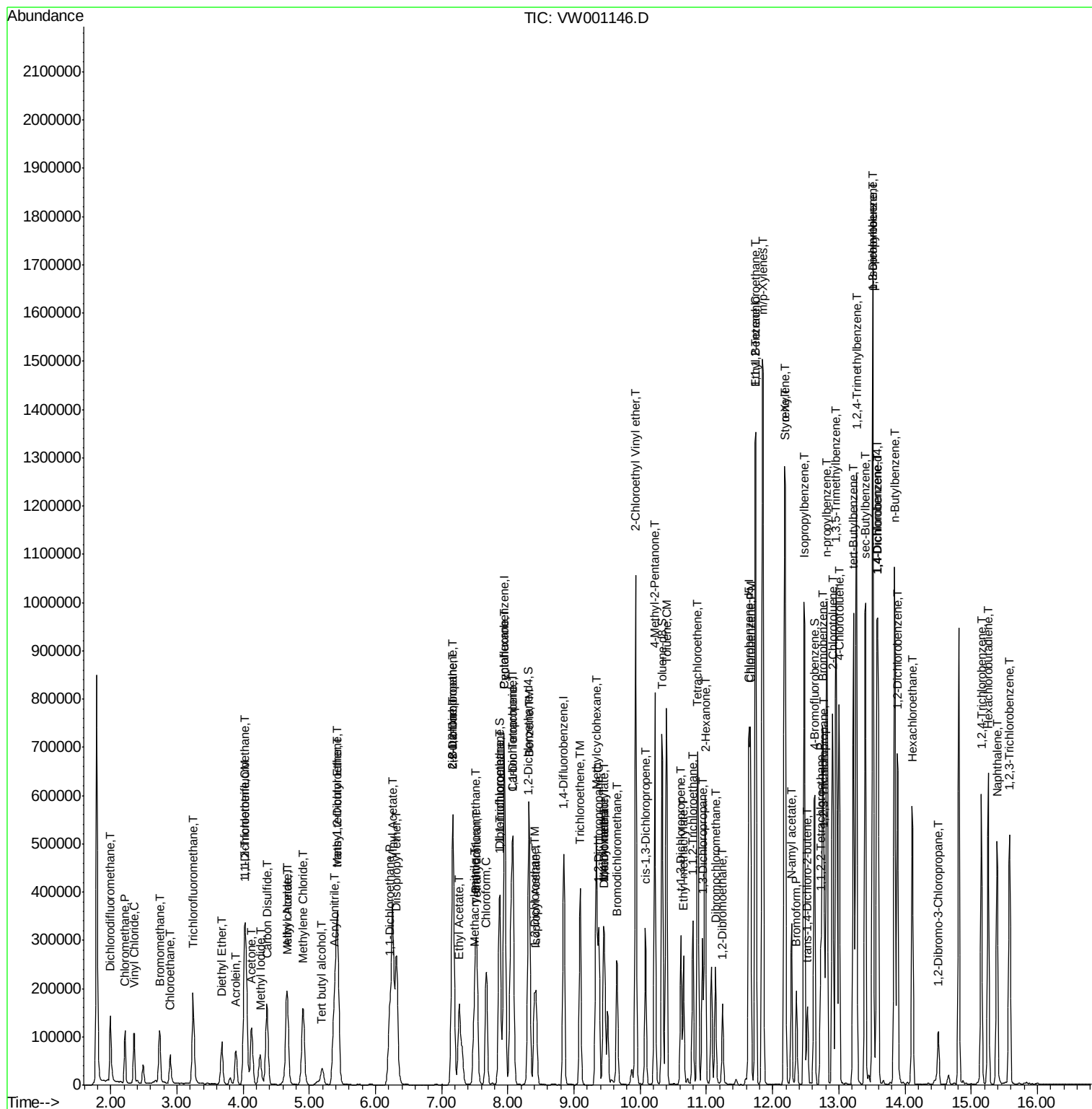
Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
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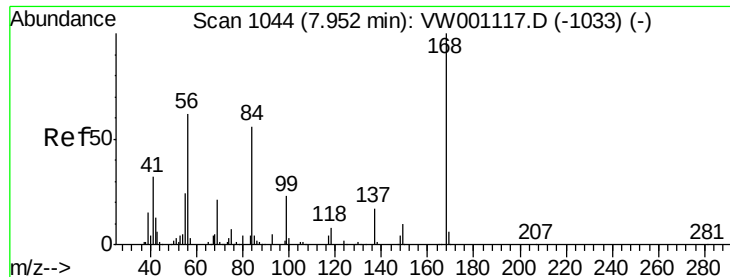
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 306368

Ion Ratio Lower Upper

168 100

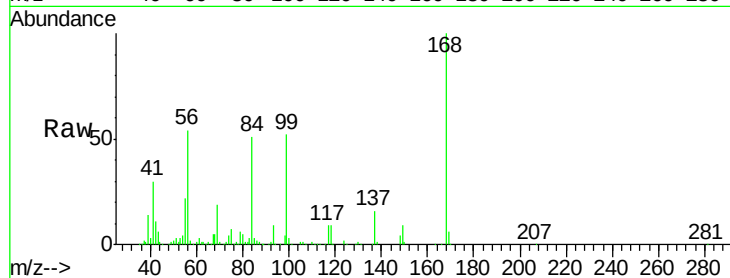
99 51.8 42.4 63.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

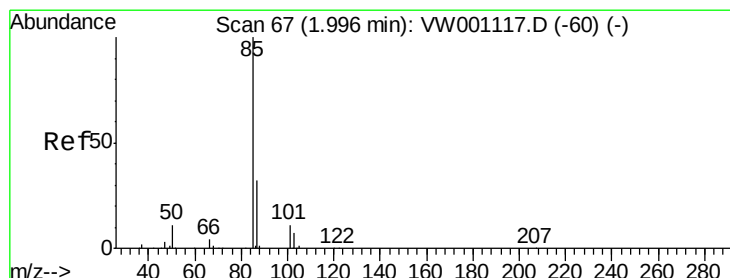
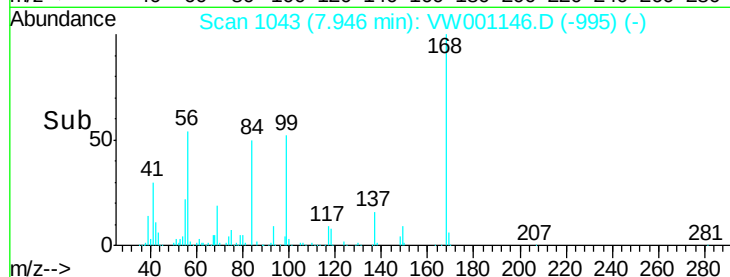
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.05 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VW001146.D

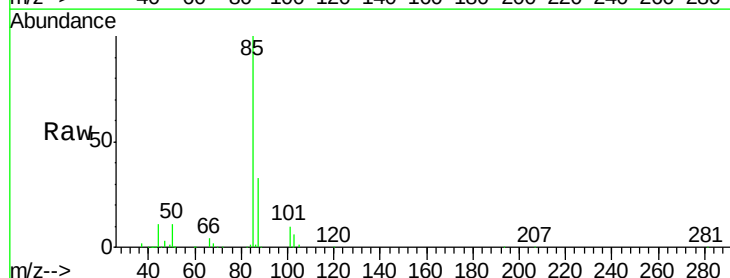
Acq: 30 Jan 2018 03:00

Tgt Ion: 85 Resp: 116958

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

40000

20000

0

1.90

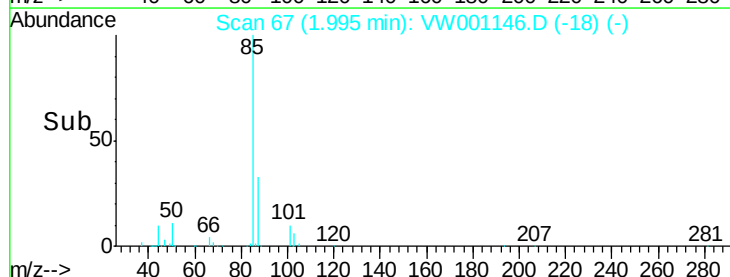
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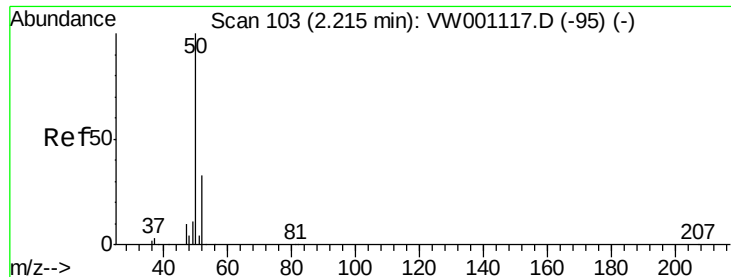
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 43.20 ug/l

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97966

Ion Ratio Lower Upper

50 100

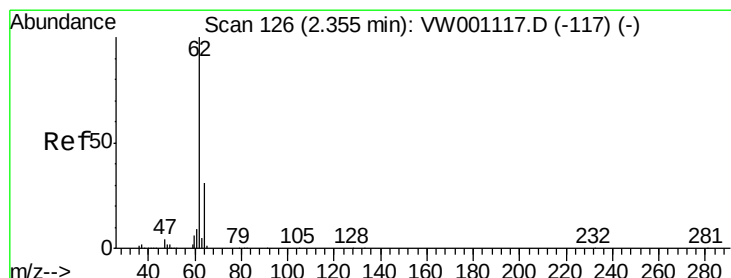
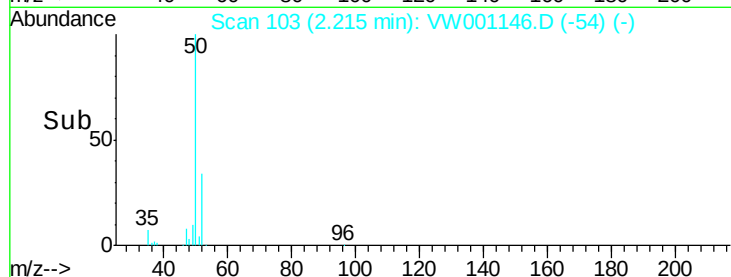
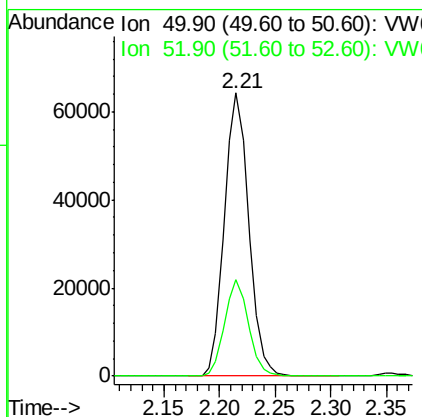
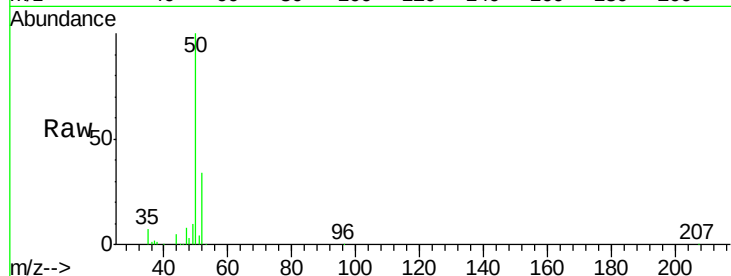
52 34.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.08 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW001146.D

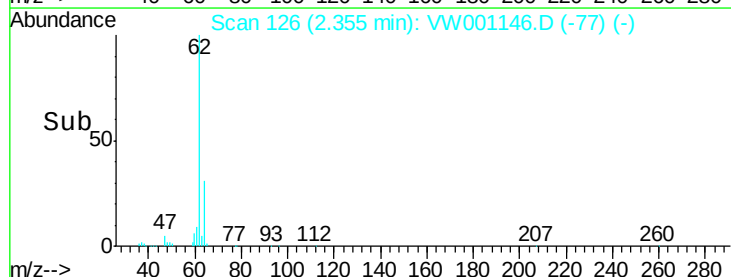
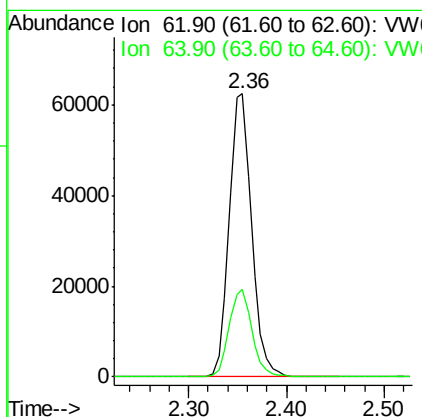
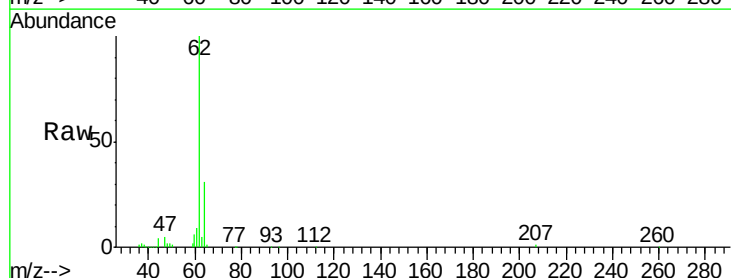
Acq: 30 Jan 2018 03:00

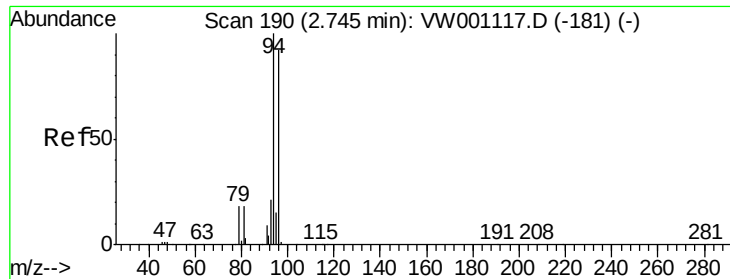
Tgt Ion: 62 Resp: 99529

Ion Ratio Lower Upper

62 100

64 31.1 25.2 37.8





#5

Bromomethane

Concen: 57.74 ug/l

RT: 2.74 min Scan# 189

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76604

Ion Ratio Lower Upper

94 100

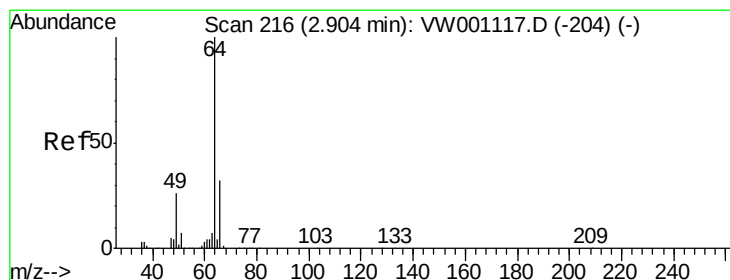
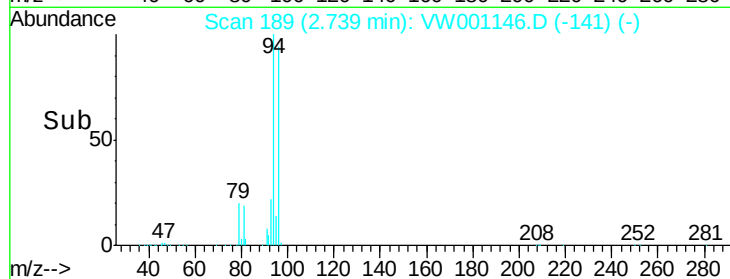
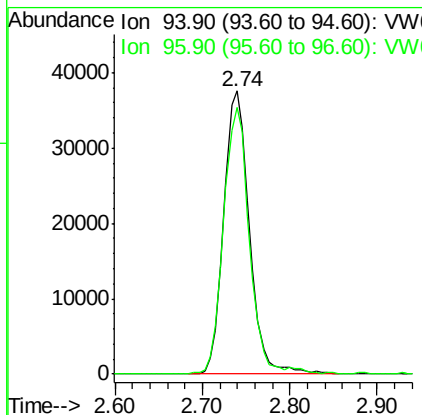
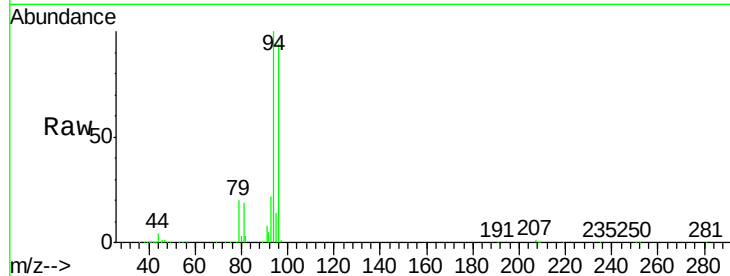
96 93.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 44.08 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW001146.D

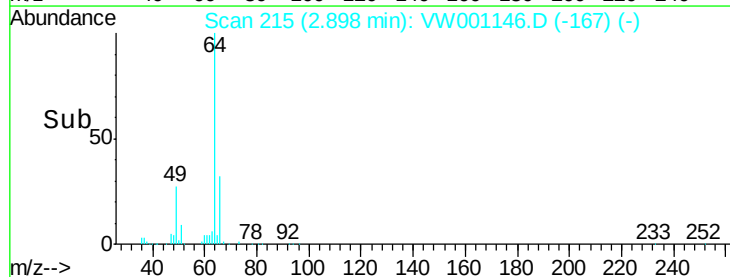
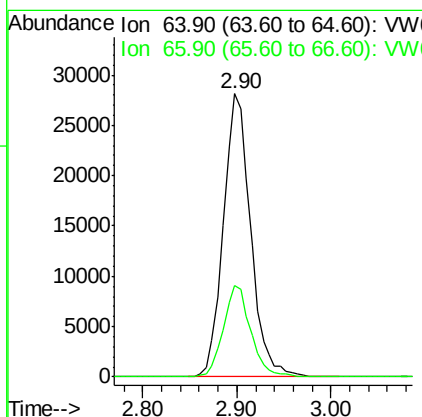
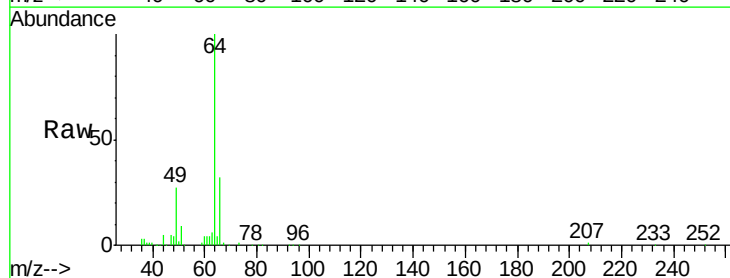
Acq: 30 Jan 2018 03:00

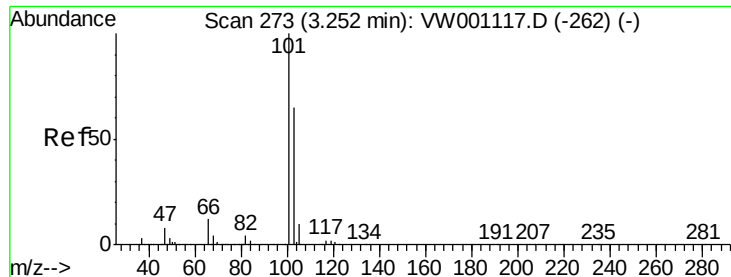
Tgt Ion: 64 Resp: 56474

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

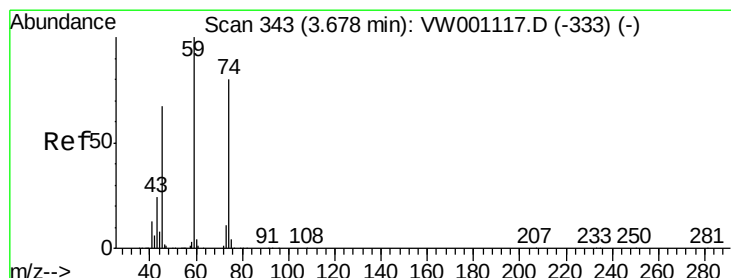
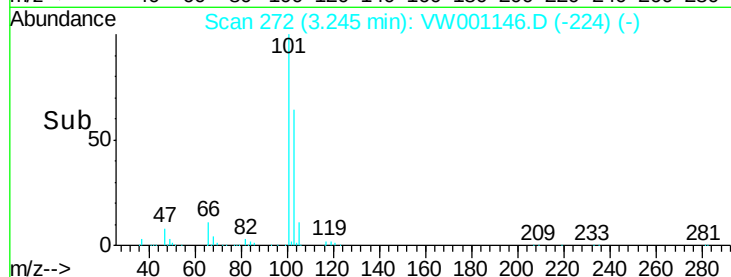
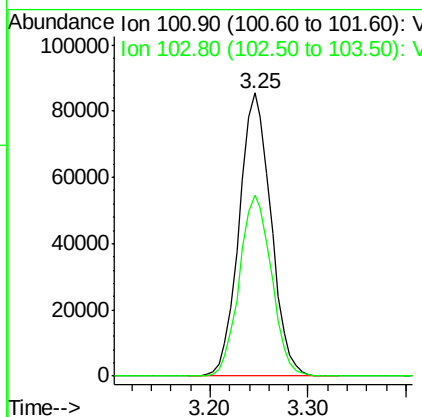
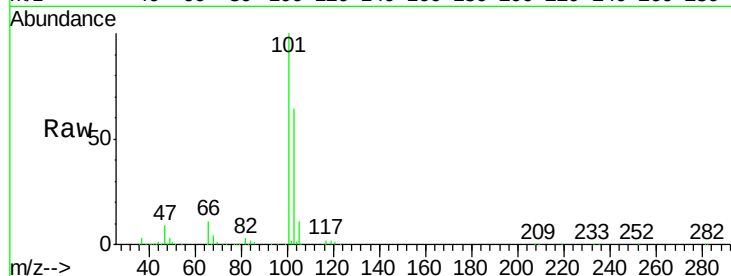
Trichlorofluoromethane
Concen: 46.05 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.9	77.9

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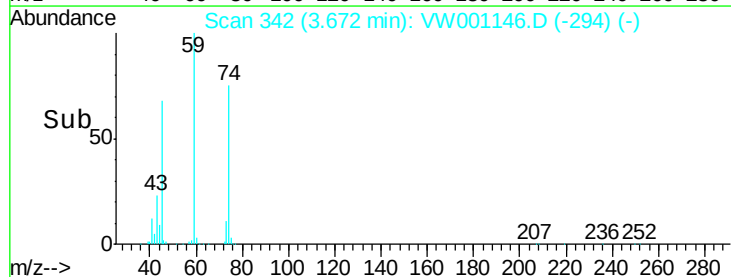
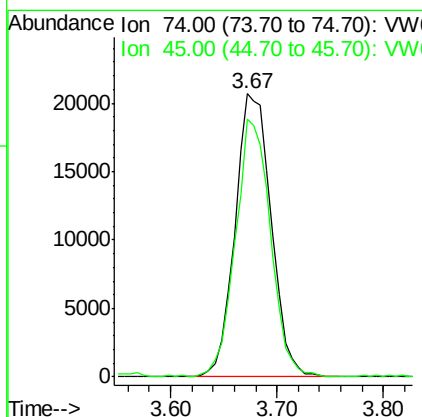
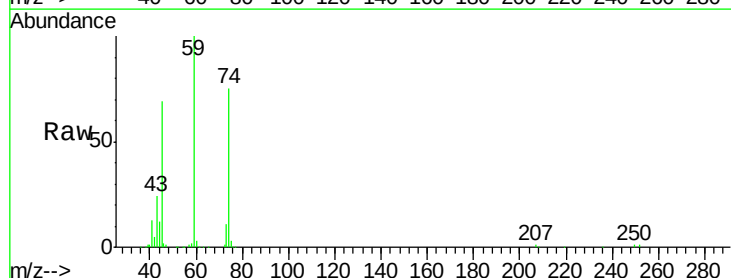
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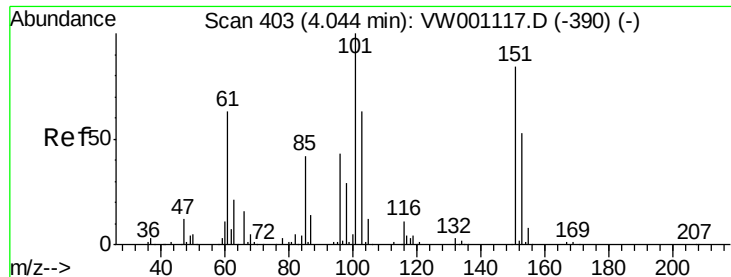


#8

Diethyl Ether
Concen: 45.00 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.2	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.82 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW001146.D

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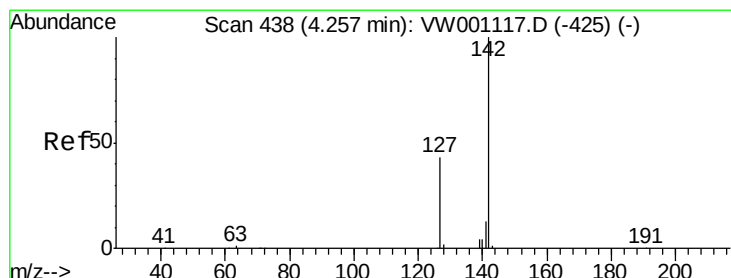
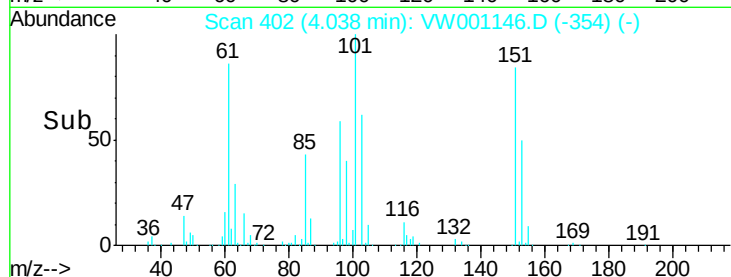
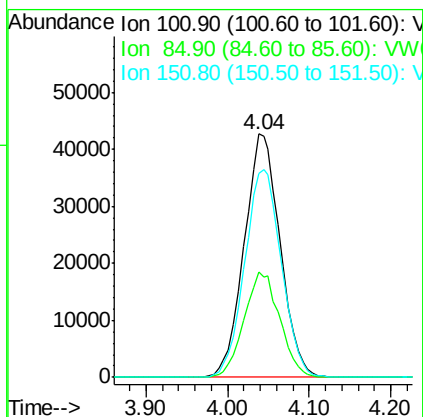
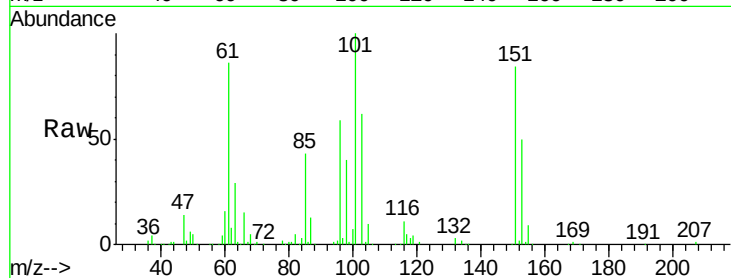
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	130679
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.9	52.3
151	87.4	68.6	103.0

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#10

Methyl Iodide

Concen: 34.39 ug/l

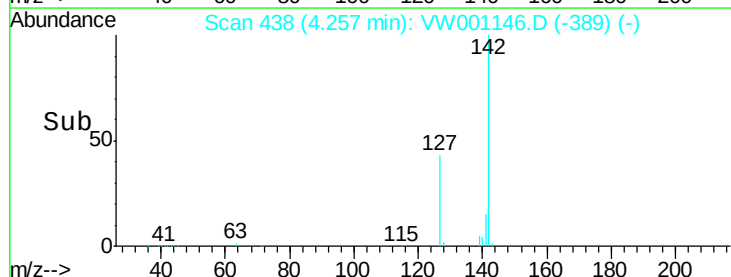
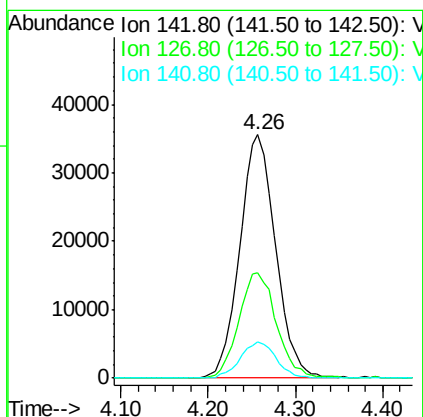
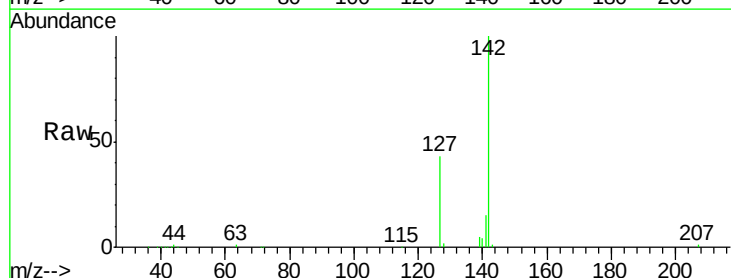
RT: 4.26 min Scan# 438

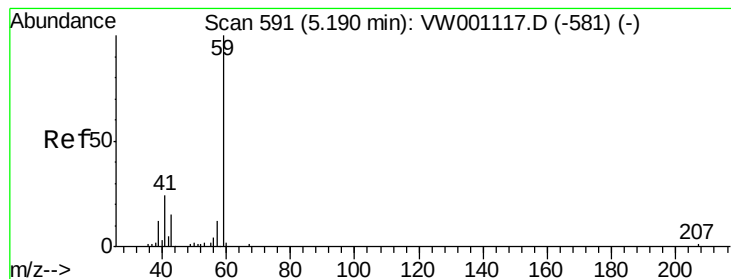
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	142	Resp:	101362
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.4	53.2
141	14.8	11.6	17.4





#11

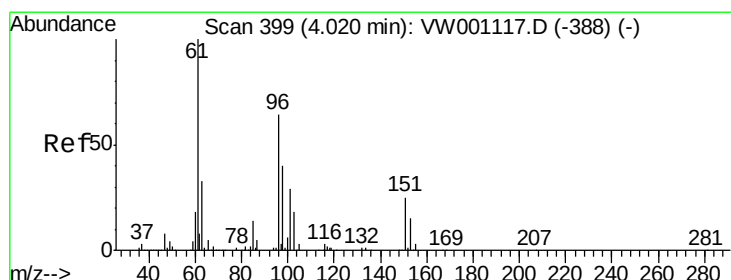
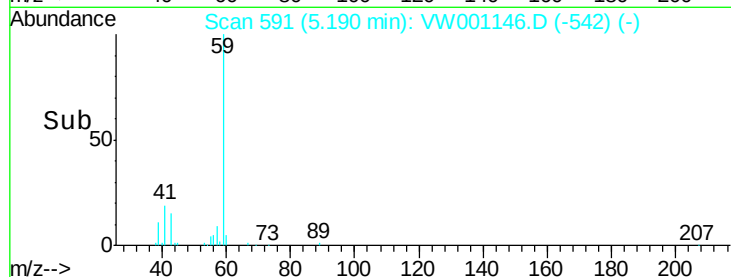
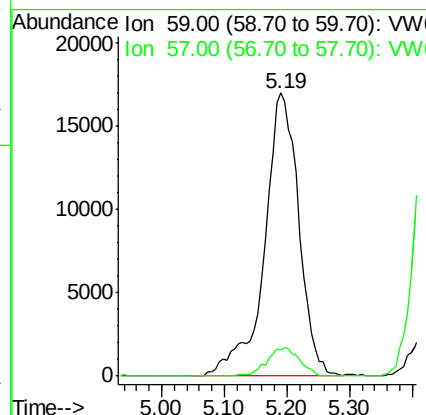
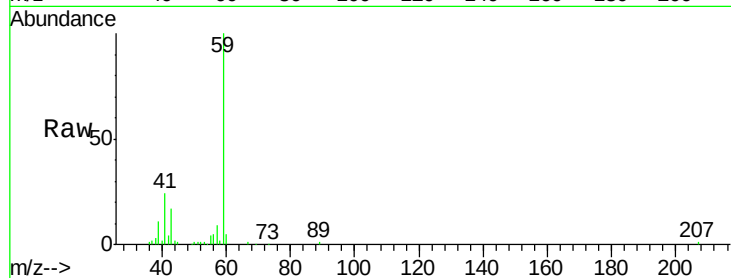
Tert butyl alcohol
Concen: 269.79 ug/l
RT: 5.19 min Scan# 591
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	Lower	Upper
59	100			
57	9.6	7.8	11.8	

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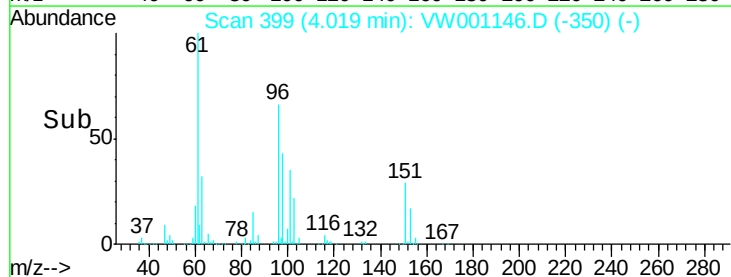
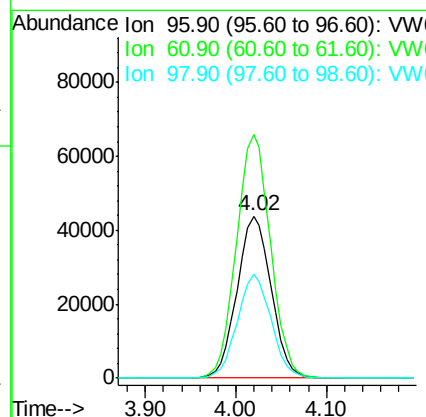
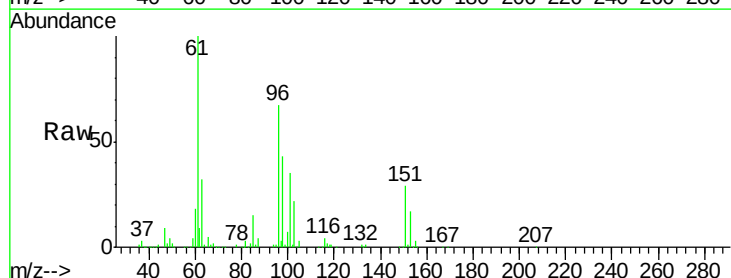
MMDadoda
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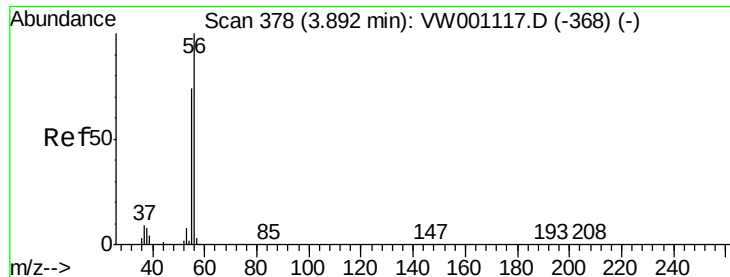


#12

1,1-Dichloroethene
Concen: 46.81 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	96	Resp	Lower	Upper
96	100			
61	150.1	125.2	187.8	
98	64.2	50.3	75.5	





#13

Acrolein

Concen: 204.64 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78653

Ion Ratio Lower Upper

56 100

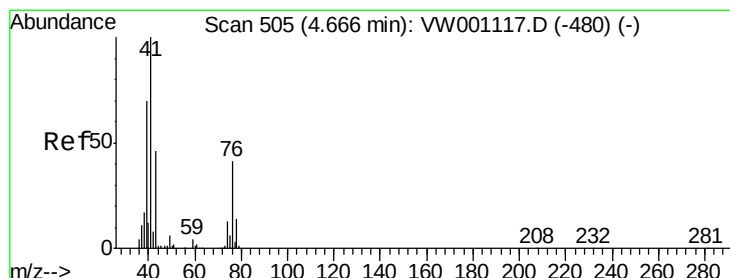
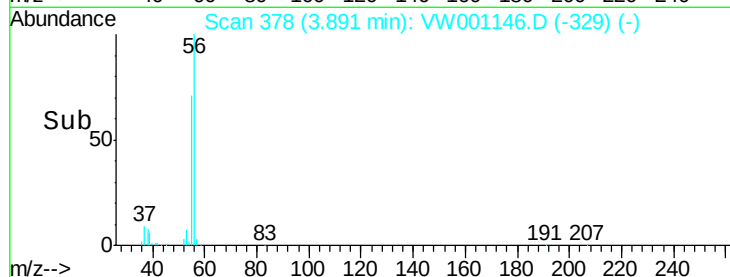
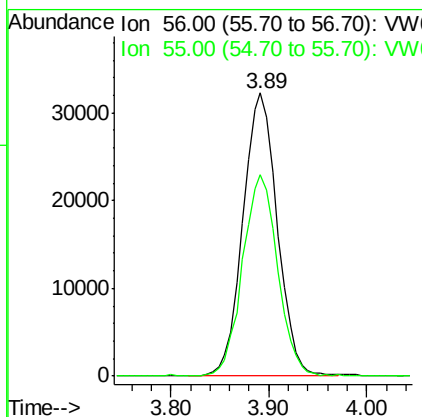
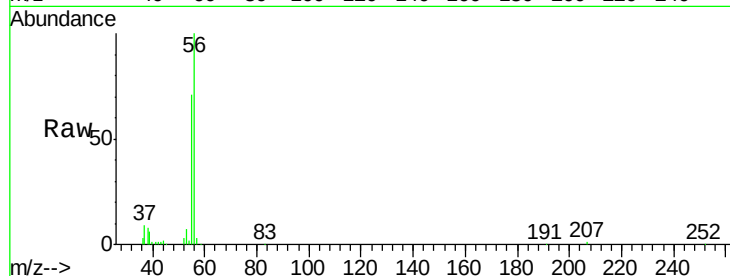
55 72.4 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 44.27 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

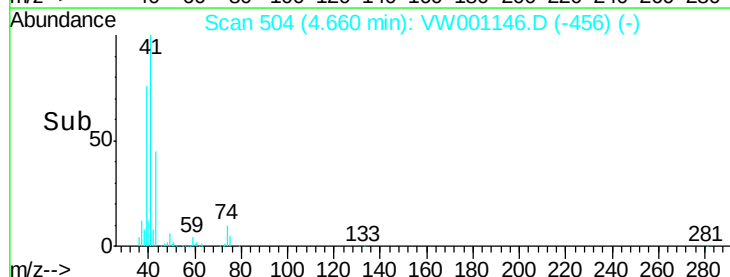
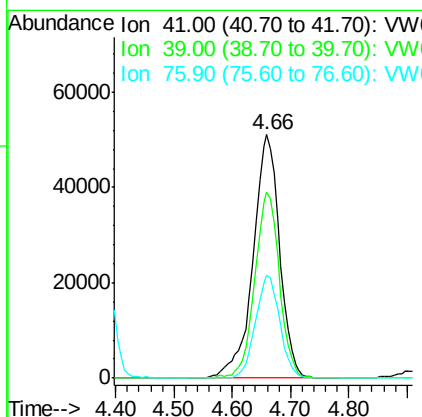
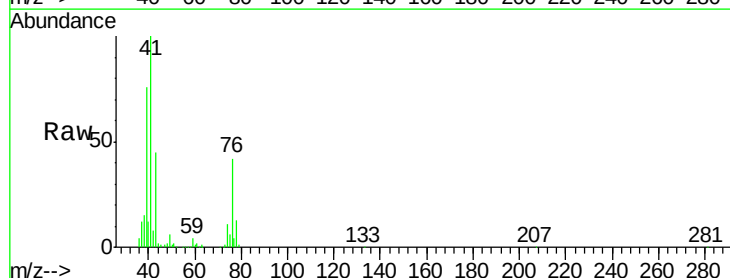
Tgt Ion: 41 Resp: 161256

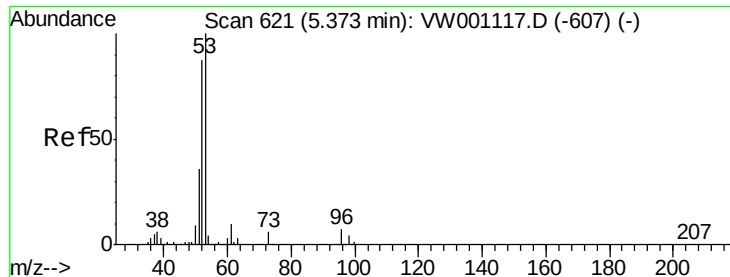
Ion Ratio Lower Upper

41 100

39 71.1 55.9 83.9

76 38.5 31.0 46.6





#15

Acrylonitrile

Concen: 252.79 ug/l

RT: 5.37 min Scan# 621

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

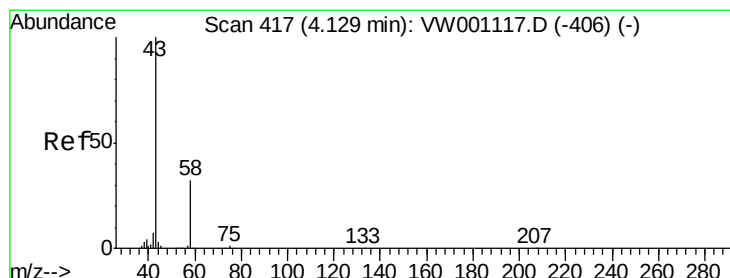
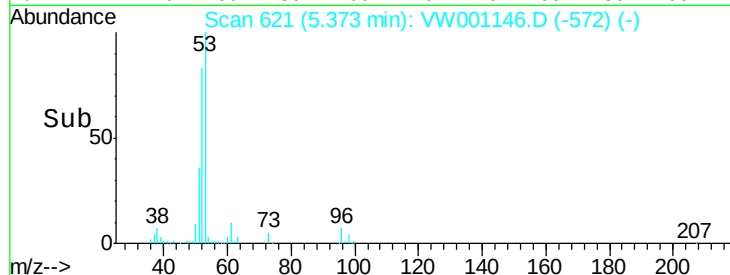
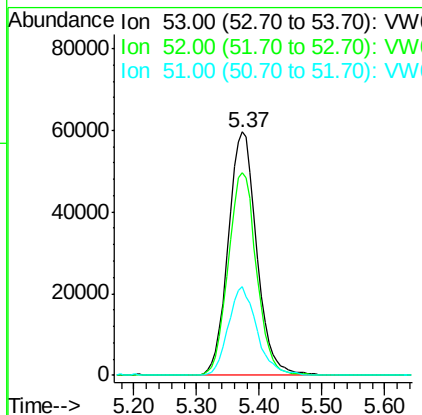
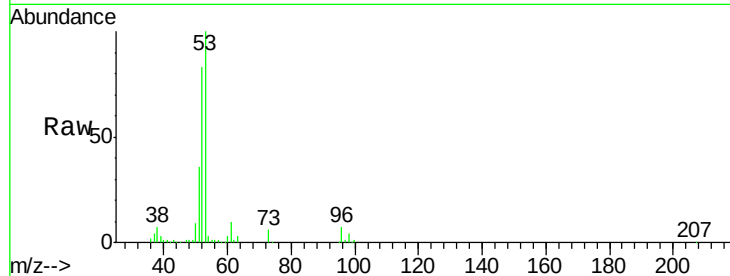
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	187375
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.9	100.3
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 243.00 ug/l

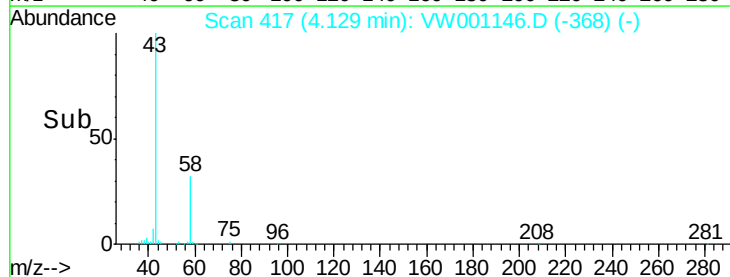
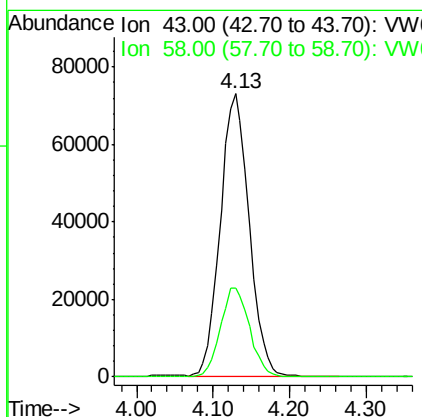
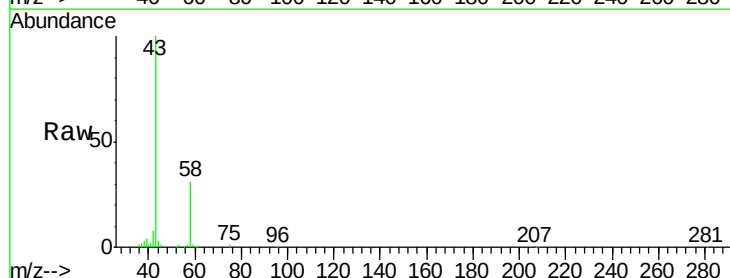
RT: 4.13 min Scan# 417

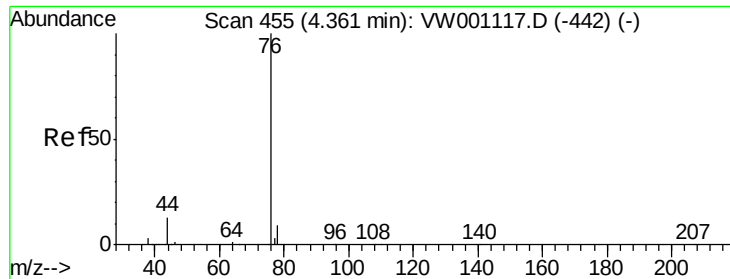
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	43	Resp:	190304
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.7	38.5





#17

Carbon Disulfide

Concen: 45.79 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 346724

Ion Ratio Lower Upper

76 100

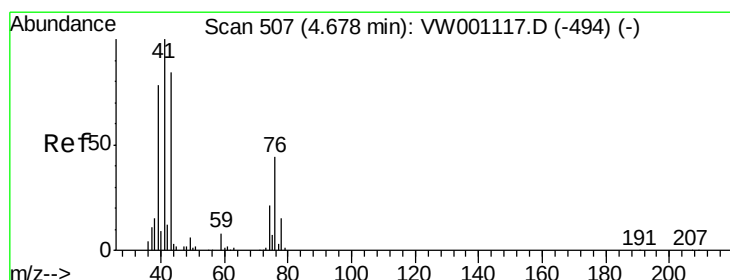
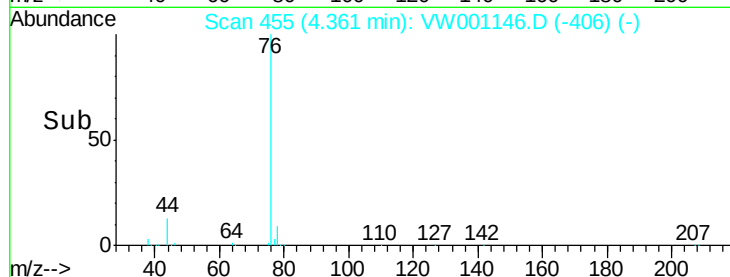
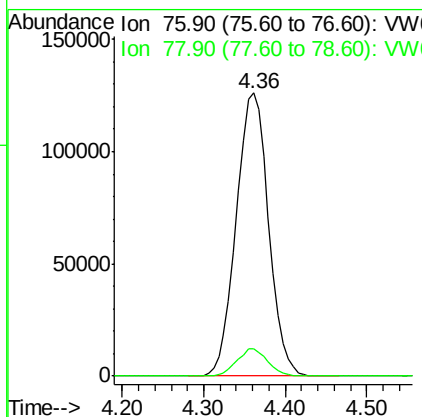
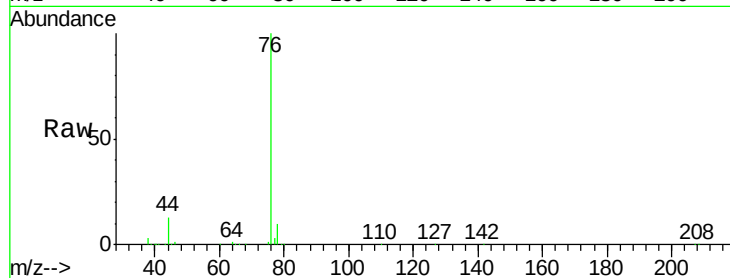
78 9.6 7.1 10.7

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#18

Methyl Acetate

Concen: 49.29 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW001146.D

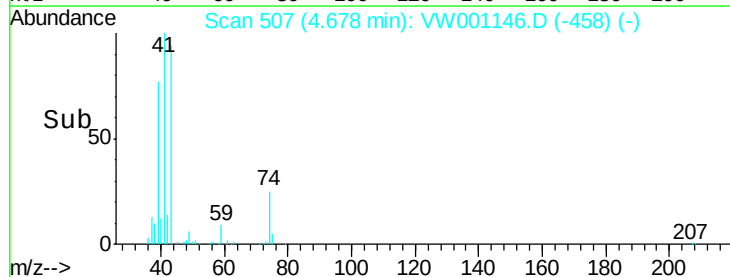
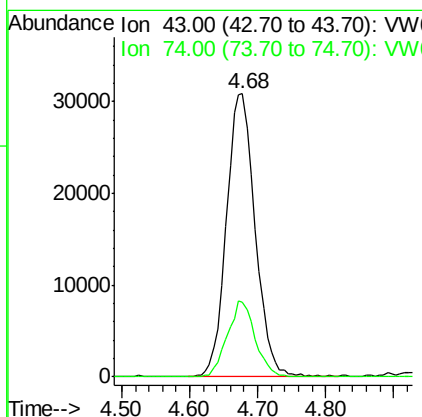
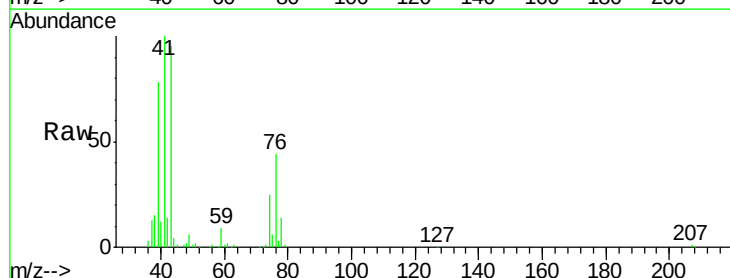
Acq: 30 Jan 2018 03:00

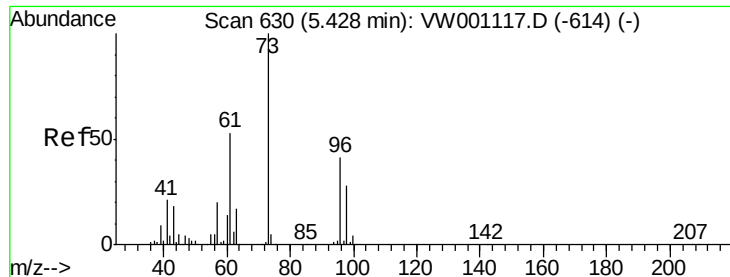
Tgt Ion: 43 Resp: 90335

Ion Ratio Lower Upper

43 100

74 25.8 20.2 30.2





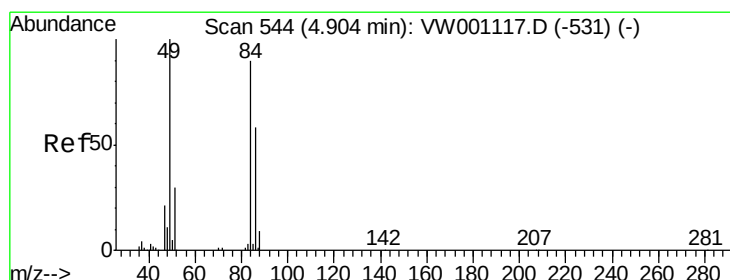
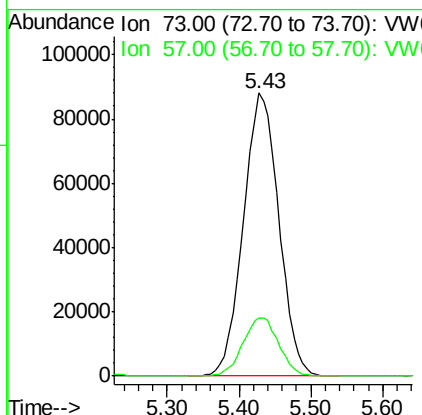
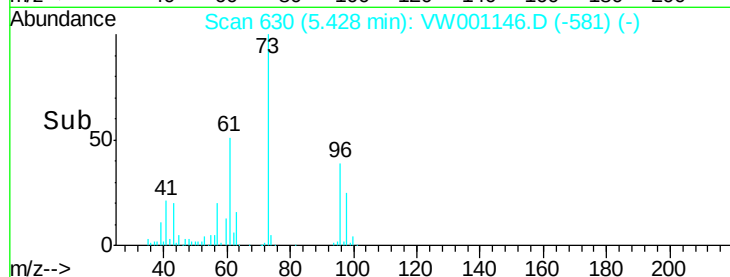
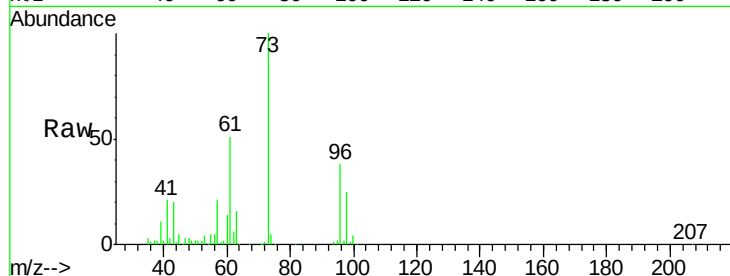
#19
Methyl tert-butyl Ether
Concen: 47.76 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 301401
Ion Ratio Lower Upper
73 100
57 20.5 16.1 24.1

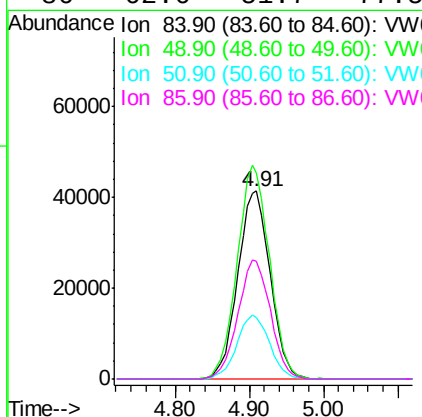
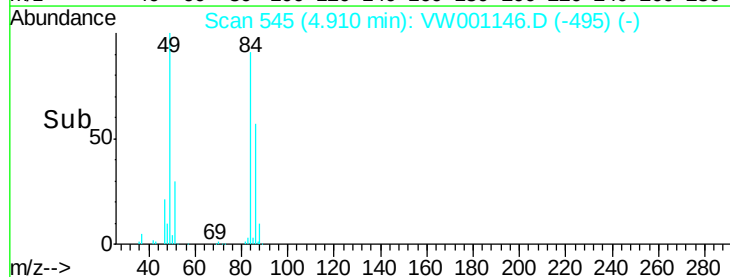
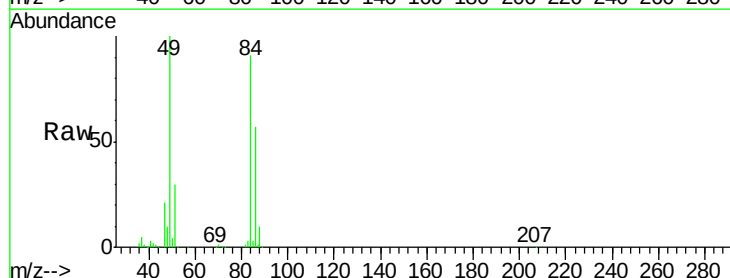
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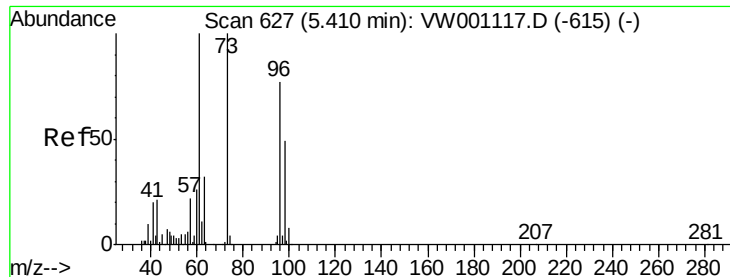
MMDadoda
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#20
Methylene Chloride
Concen: 48.83 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion: 84 Resp: 126604
Ion Ratio Lower Upper
84 100
49 109.9 89.2 133.8
51 32.8 26.7 40.1
86 62.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.55 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

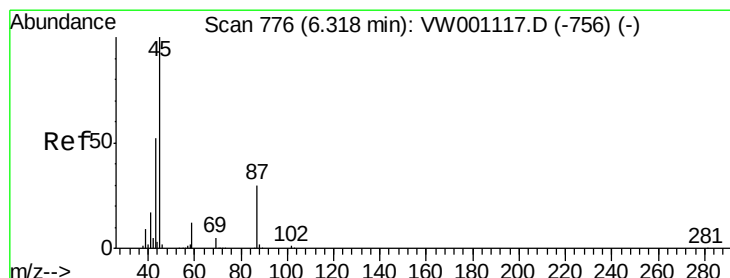
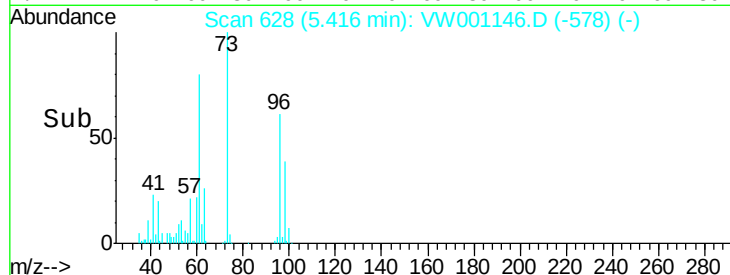
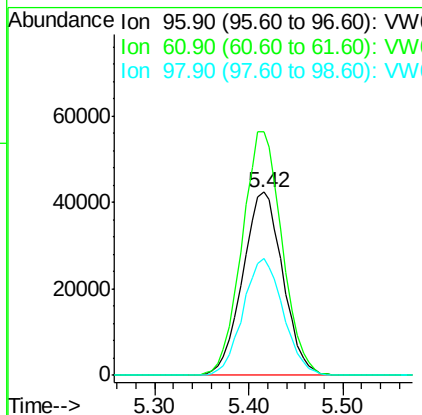
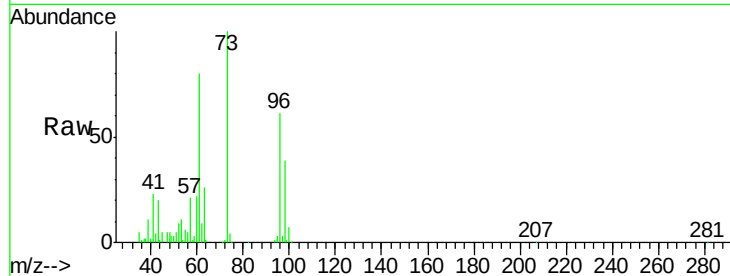
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	126773
Ion	Ratio	Lower	Upper
96	100		
61	132.8	104.6	156.8
98	64.2	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.78 ug/l

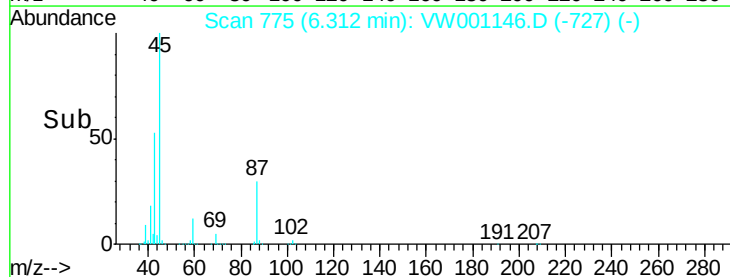
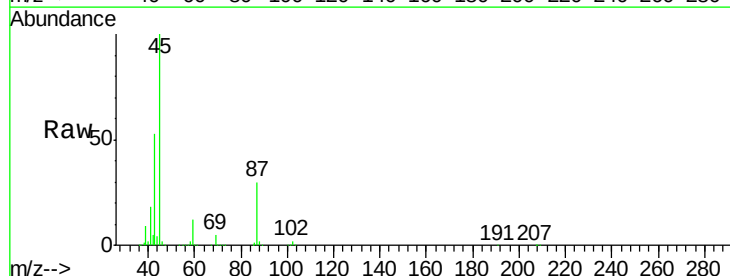
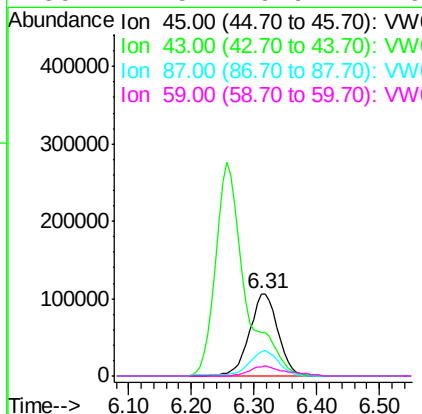
RT: 6.31 min Scan# 775

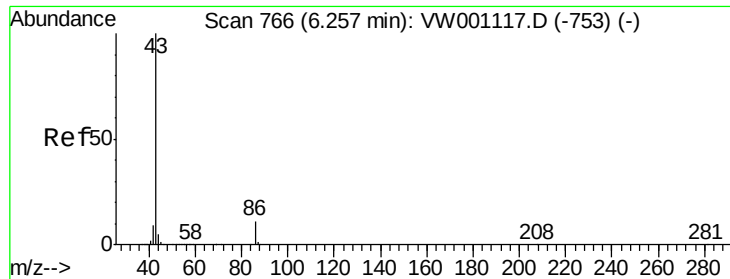
Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	45	Resp:	333478
Ion	Ratio	Lower	Upper
45	100		
43	52.7	41.6	62.4
87	29.7	24.5	36.7
59	11.5	9.9	14.9





#23

Vinyl Acetate

Concen: 214.54 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 897074

Ion Ratio Lower Upper

43 100

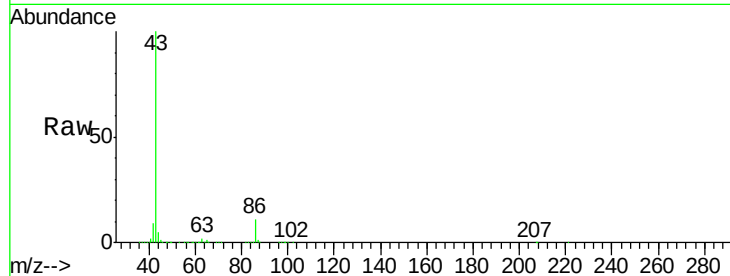
86 11.1 9.0 13.6

Manual Integrations

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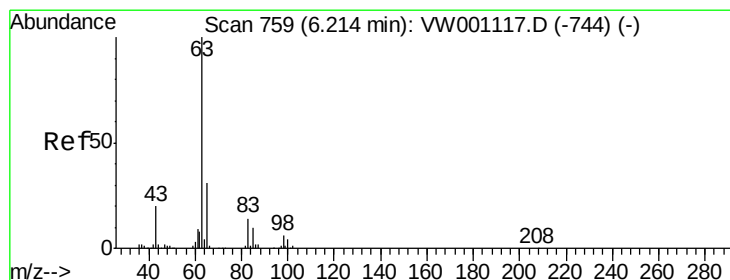
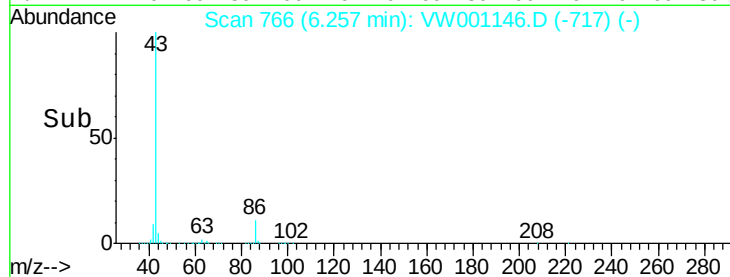
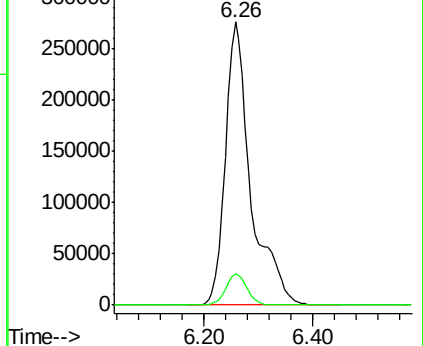
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 46.64 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

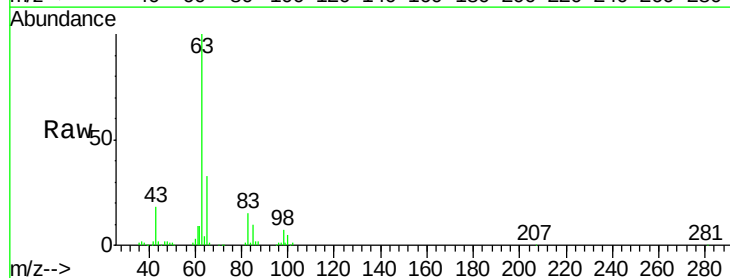
Tgt Ion: 63 Resp: 212402

Ion Ratio Lower Upper

63 100

98 7.4 3.0 9.2

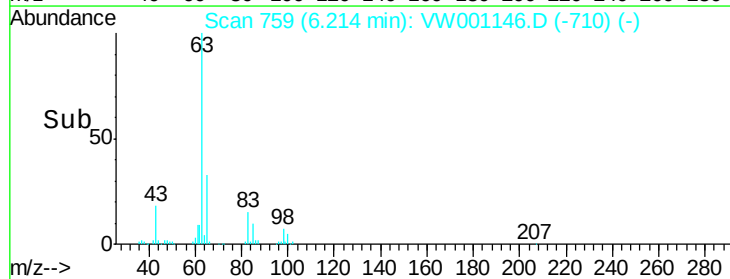
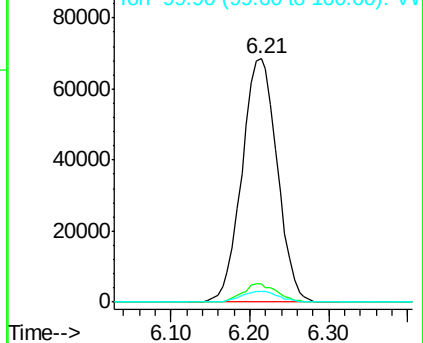
100 4.5 2.1 6.3

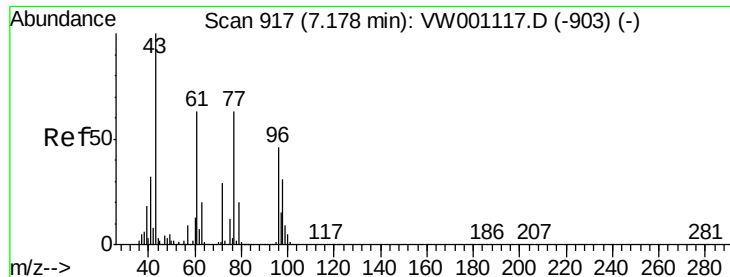


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 242.40 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 249174

Ion Ratio Lower Upper

43 100

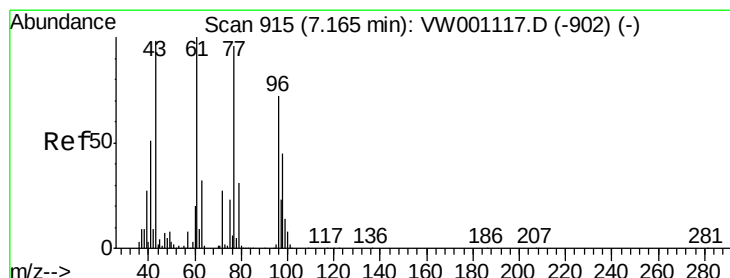
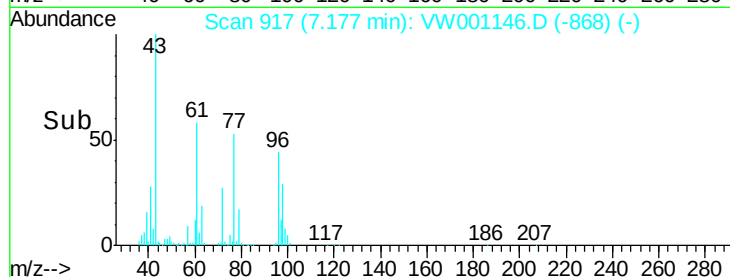
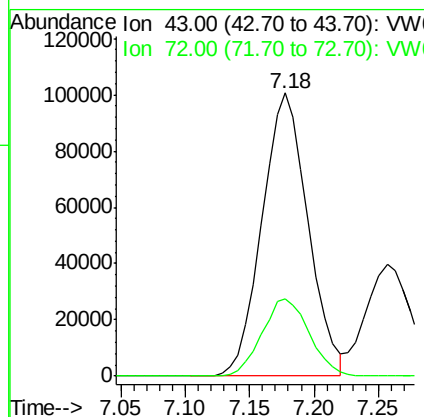
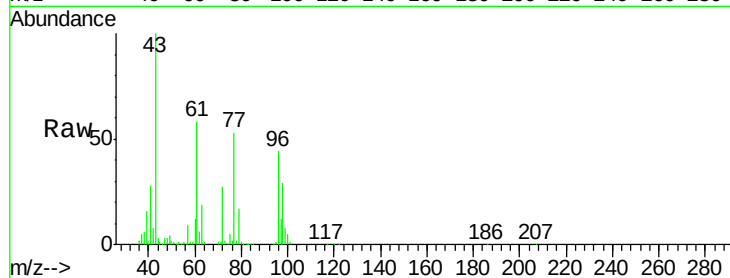
72 27.4 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.49 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW001146.D

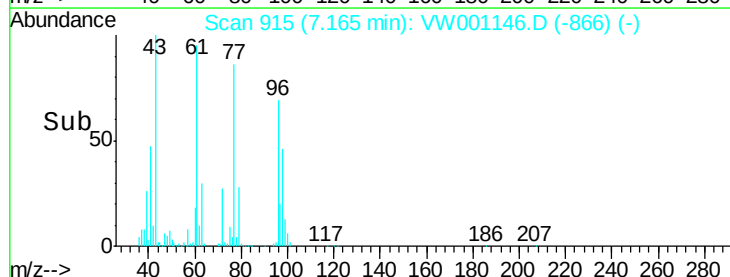
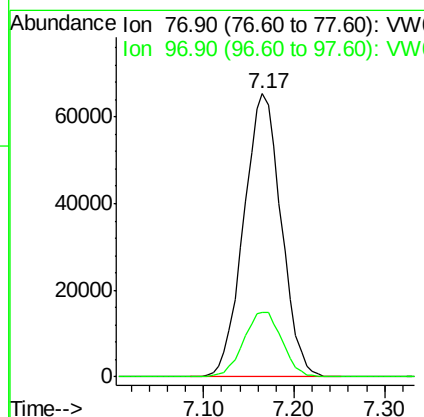
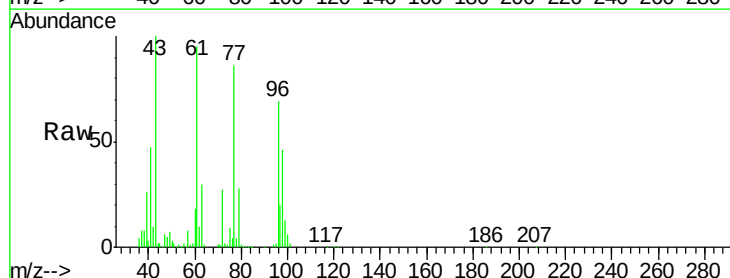
Acq: 30 Jan 2018 03:00

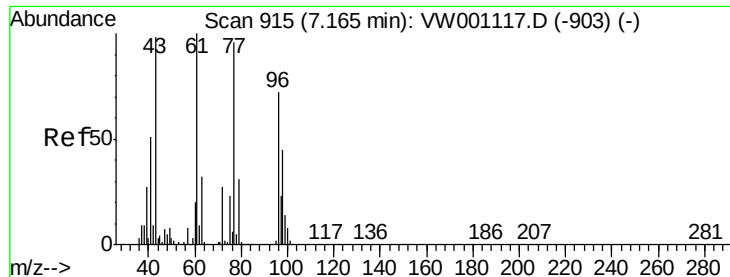
Tgt Ion: 77 Resp: 186910

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

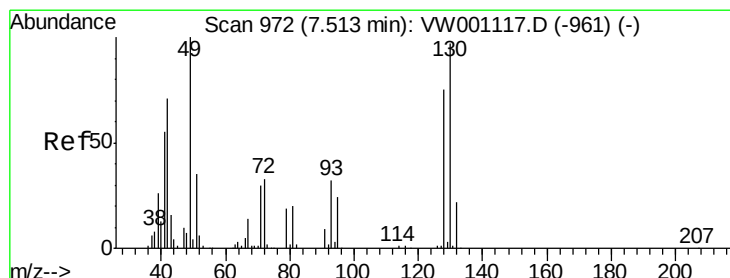
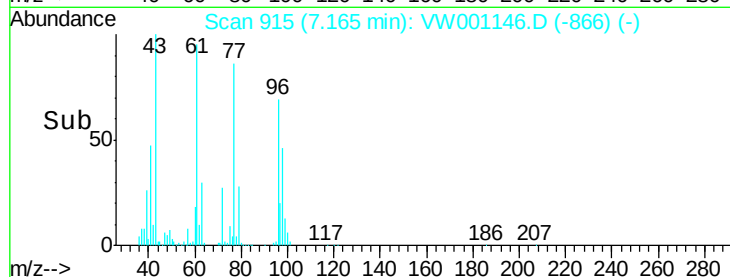
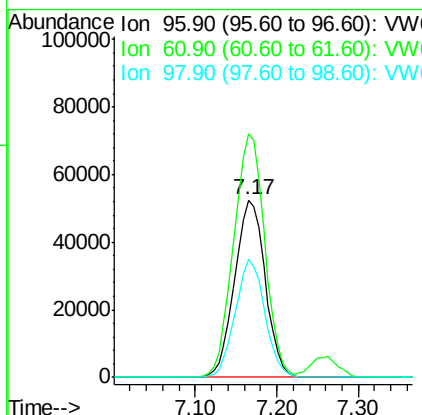
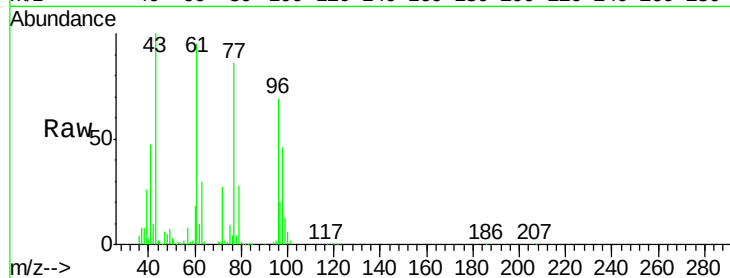
cis-1,2-Dichloroethene
Concen: 46.80 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135926		
61	139.3		0.0	280.4
98	64.3		0.0	129.6

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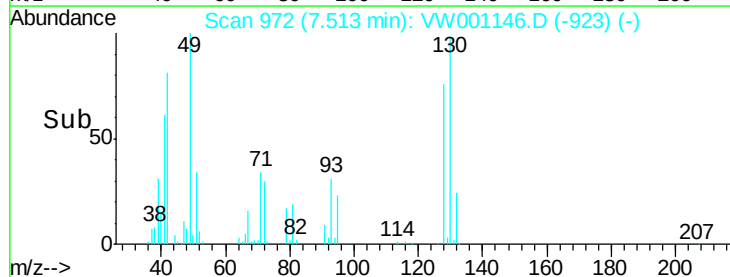
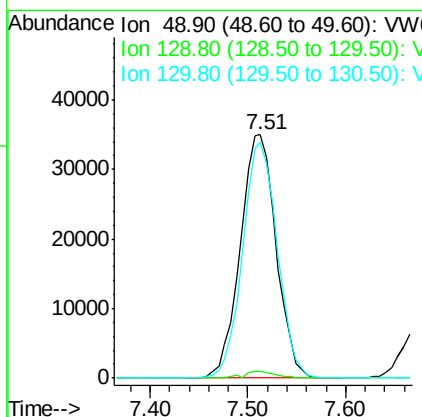
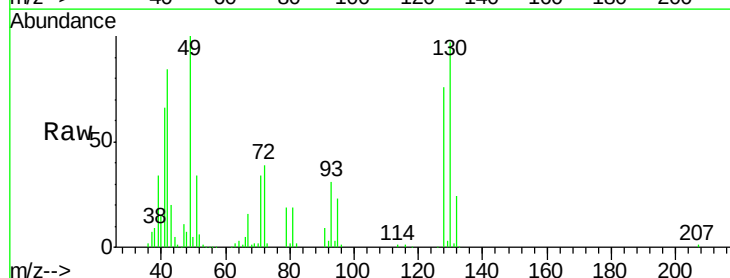
MMDadoda
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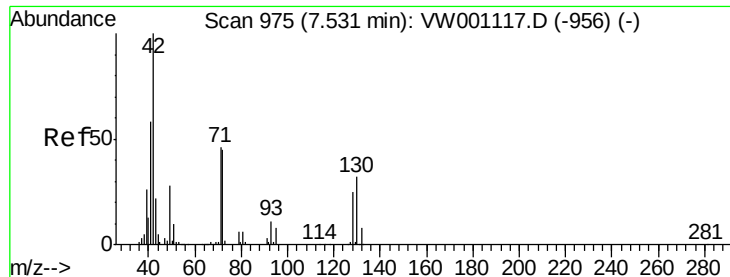


#28

Bromochloromethane
Concen: 47.97 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88796		
129	2.5		0.0	2.6
130	93.5		75.5	113.3





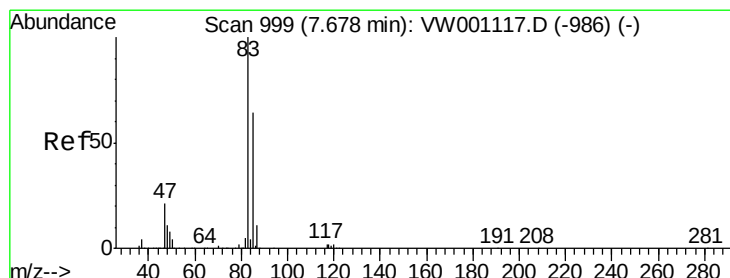
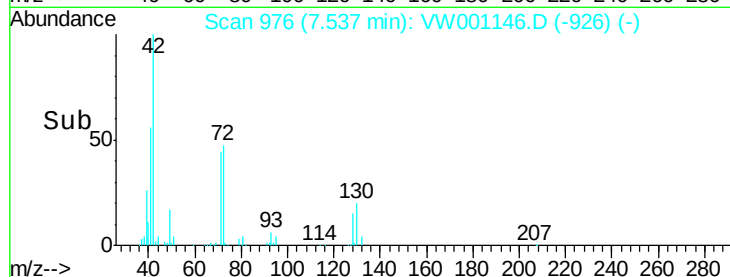
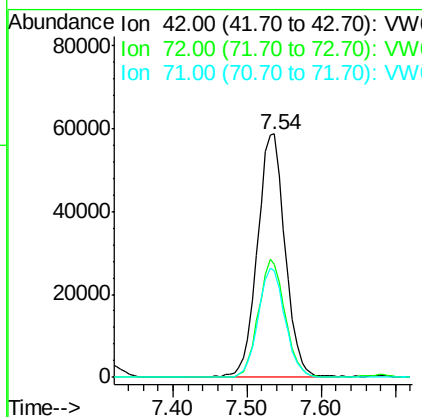
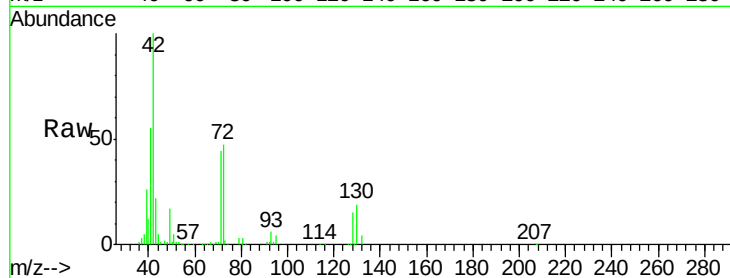
#29
Tetrahydrofuran
Concen: 260.48 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.8	55.2
71	43.3	35.1	52.7

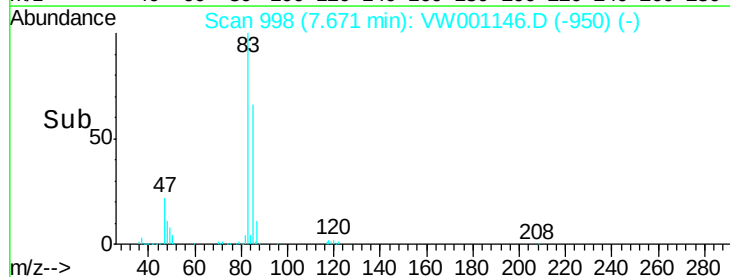
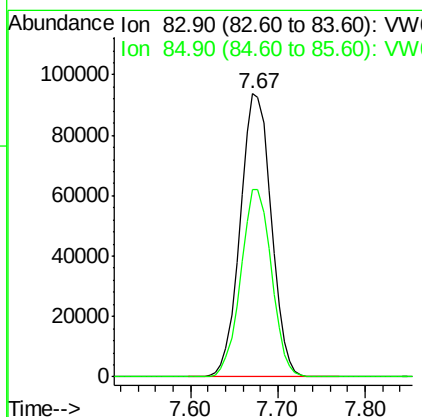
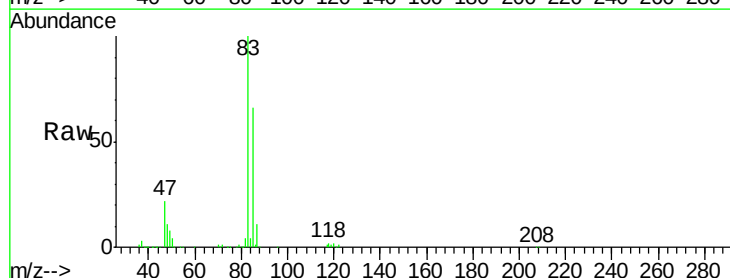
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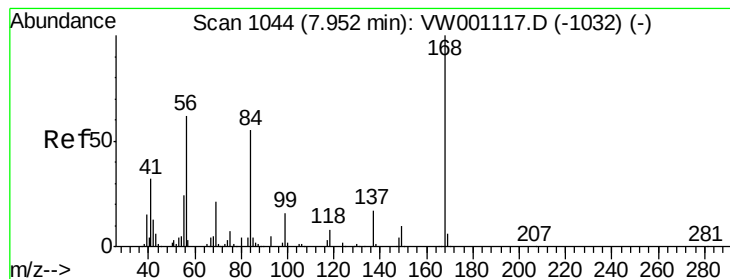
MMDadoda
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#30
Chloroform
Concen: 46.81 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2





#31

Cyclohexane

Concen: 43.89 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

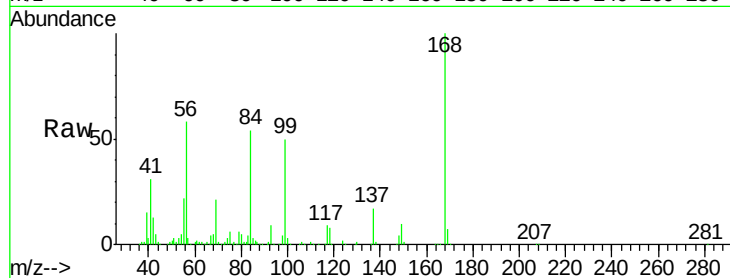
ClientSampleId :

VSTDCCC050EC

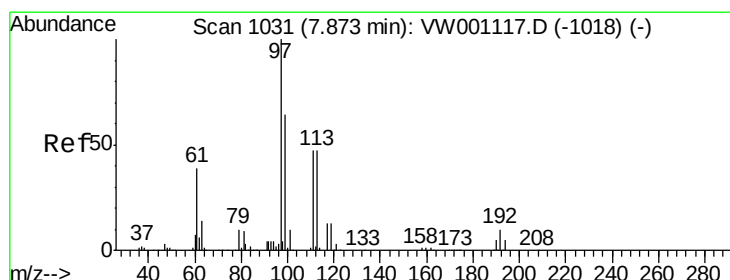
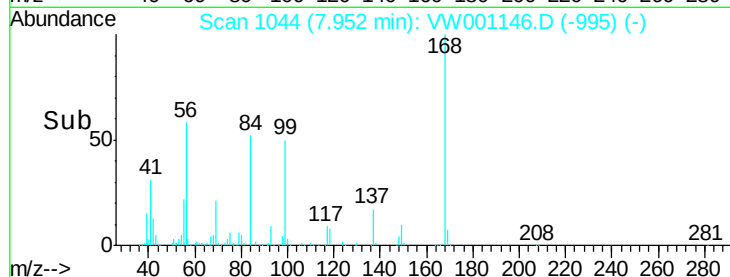
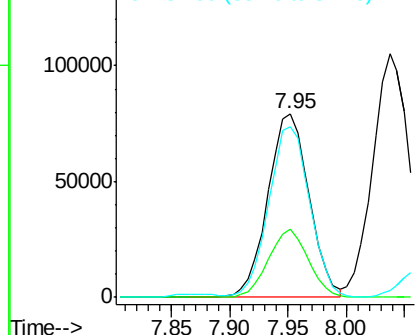
Tot Ion:	56	Resp:	193984
Ion	Ratio	Lower	Upper
56	100		
69	37.2	27.4	41.0
84	90.8	71.1	106.7

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



#32

1,1,1-Trichloroethane

Concen: 46.63 ug/l

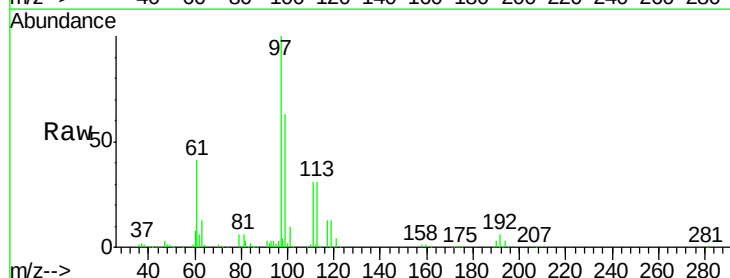
RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

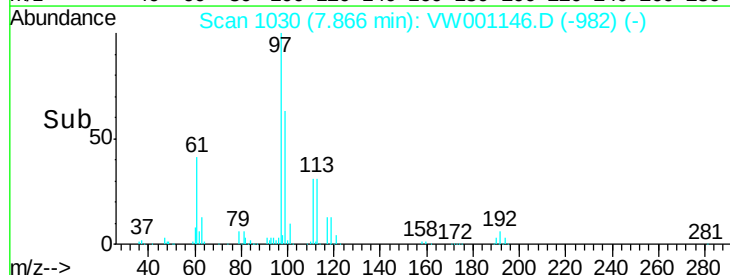
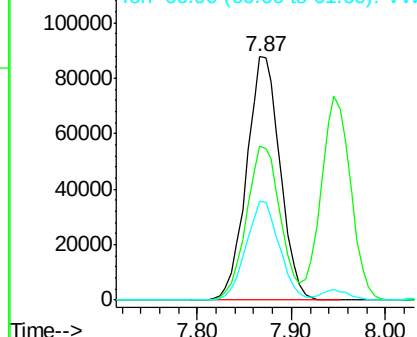
Lab File: VW001146.D

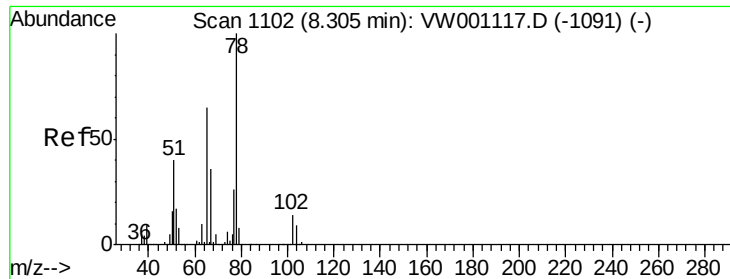
Acq: 30 Jan 2018 03:00

Tgt Ion:	97	Resp:	217746
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	40.6	32.4	48.6



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





#33

1,2-Dichloroethane-d4

Concen: 45.03 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 134127

Ion Ratio Lower Upper

65 100

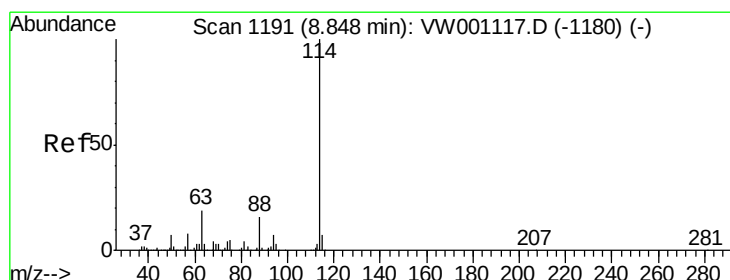
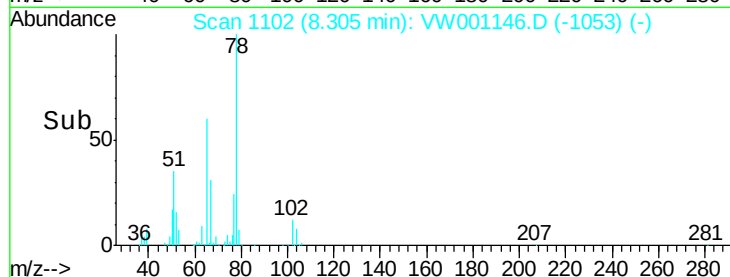
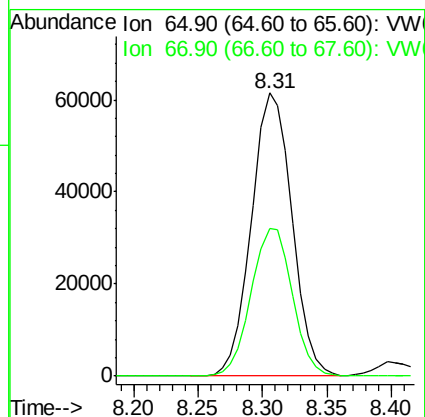
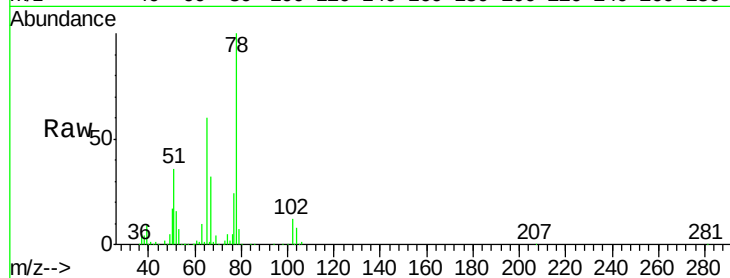
67 52.9 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

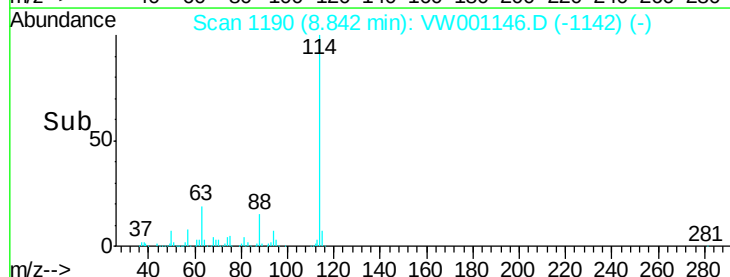
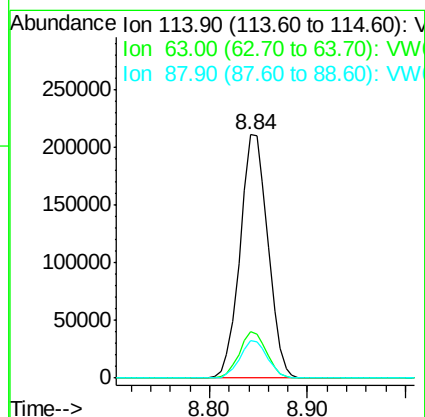
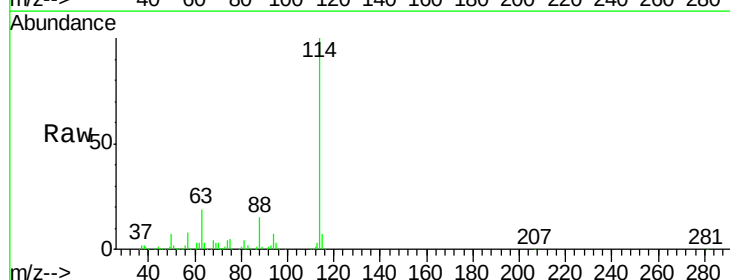
Tgt Ion: 114 Resp: 416726

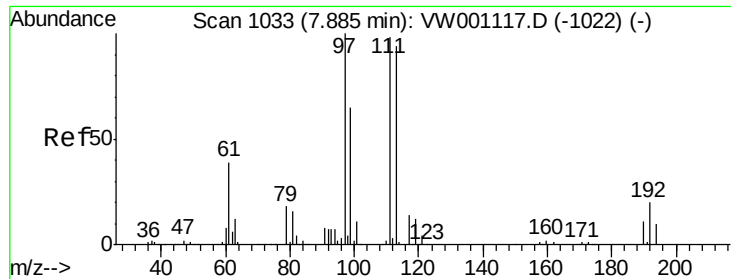
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.2

88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 45.13 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

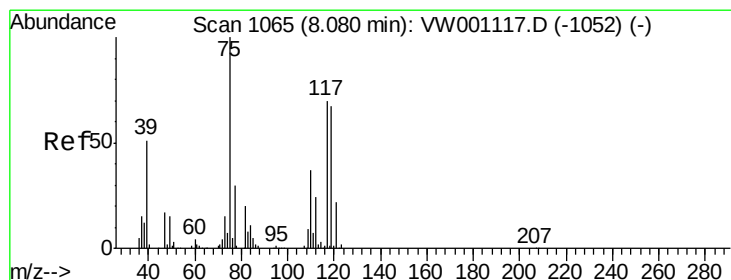
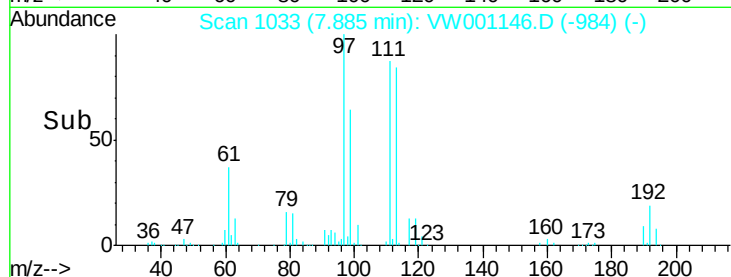
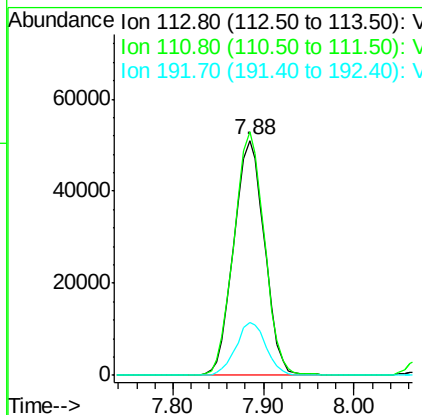
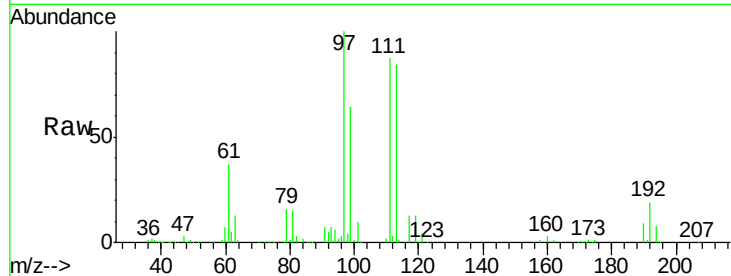
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	120307
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.1	124.7
192	22.1	17.8	26.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.59 ug/l

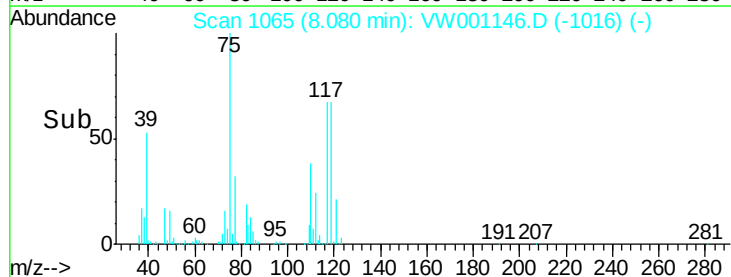
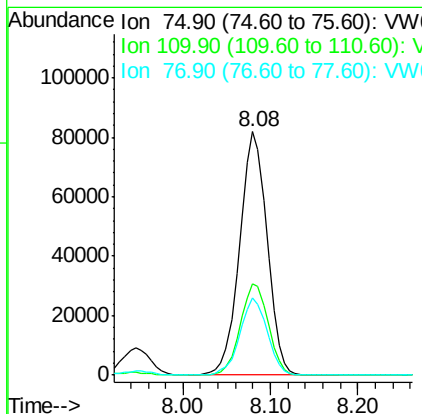
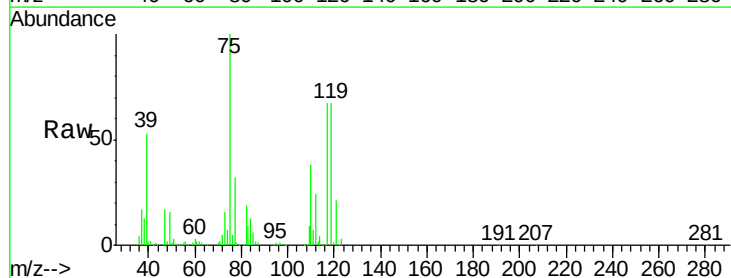
RT: 8.08 min Scan# 1065

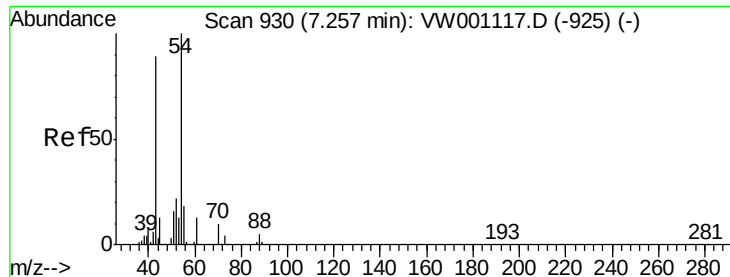
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	75	Resp:	179030
Ion Ratio	Lower	Upper	
75	100		
110	38.1	18.7	56.1
77	31.7	24.6	37.0





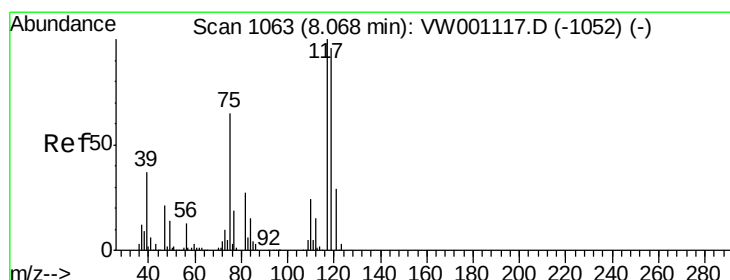
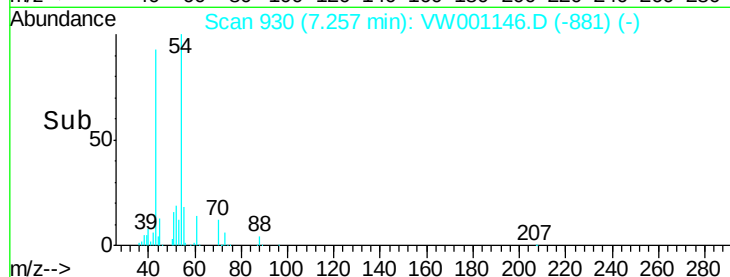
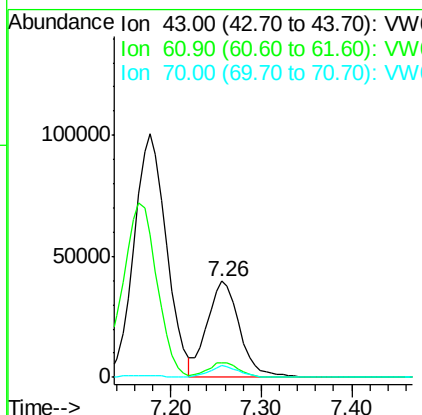
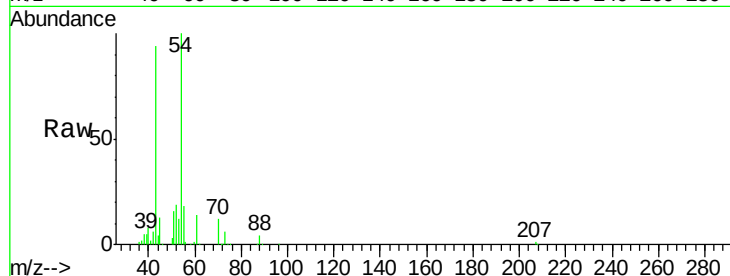
#37
Ethyl Acetate
Concen: 50.11 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.2	9.4	14.0

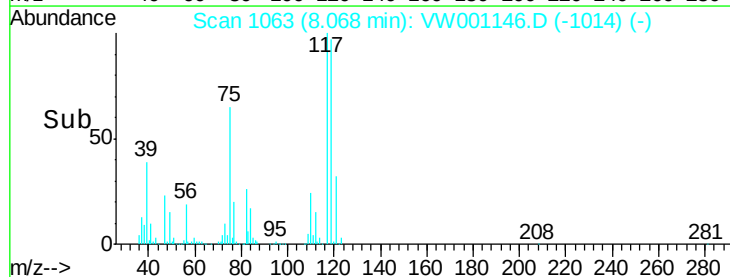
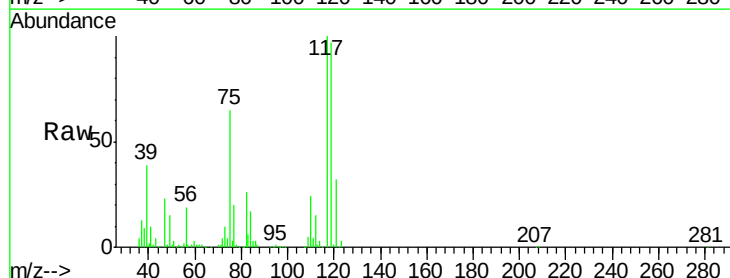
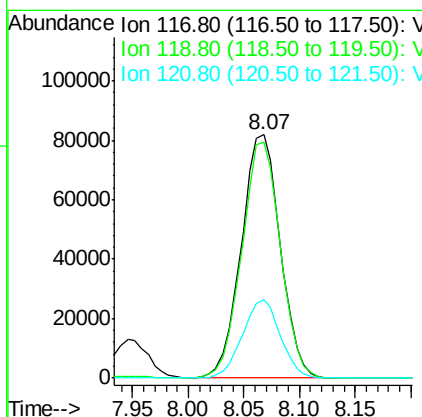
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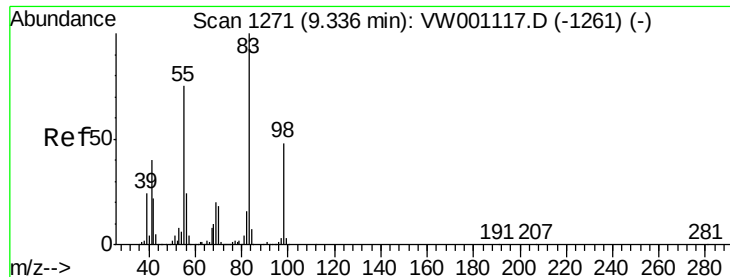
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.45 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.4
121	32.1	23.5	35.3





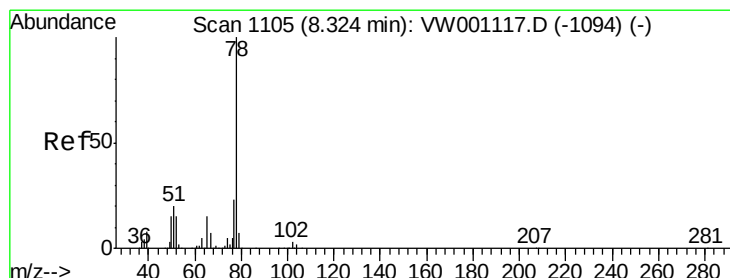
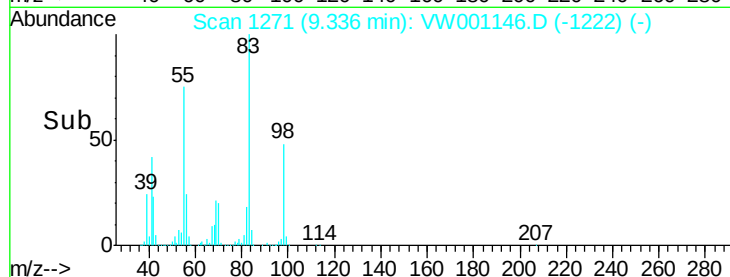
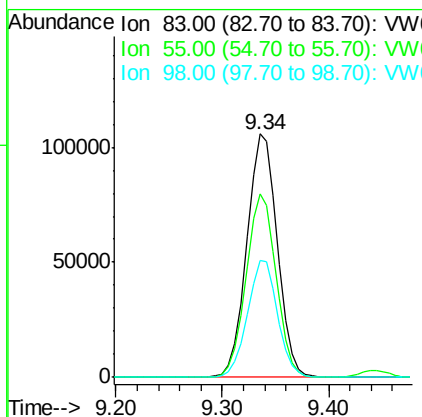
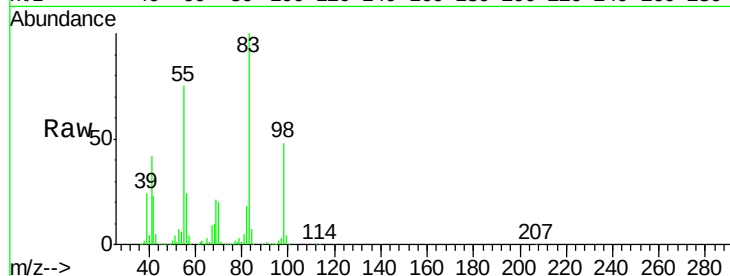
#39
Methylvlcyclohexane
Concen: 47.82 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.7	89.5
98	47.8	38.0	57.0

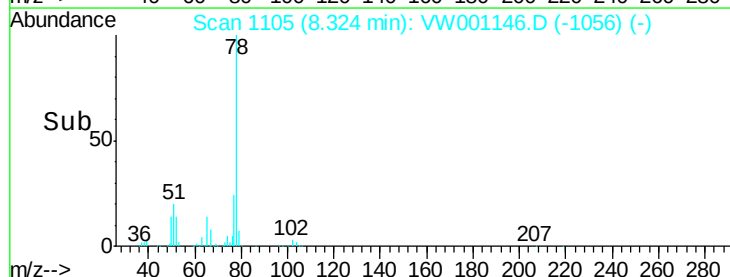
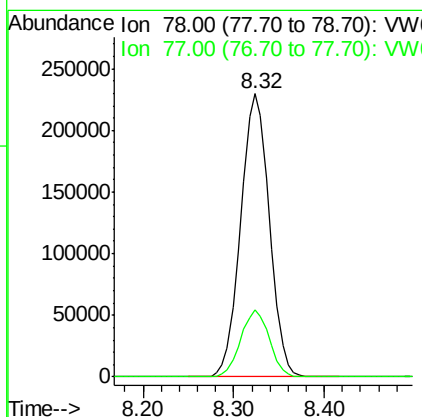
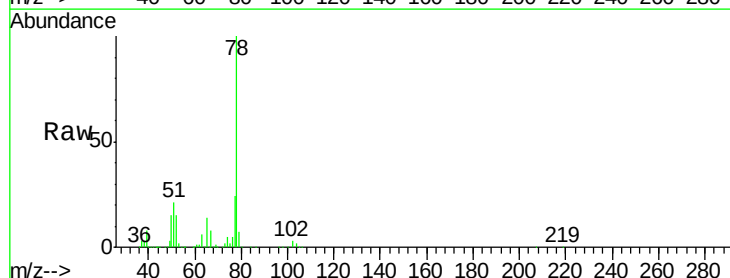
Manual Integrations
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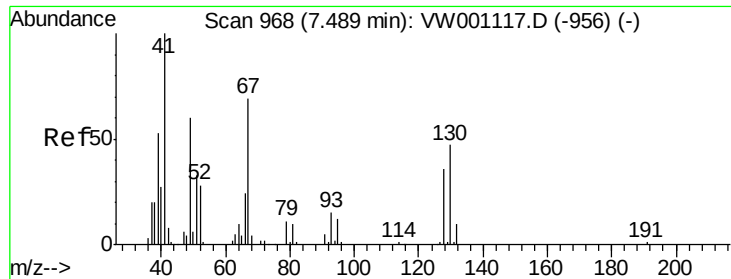
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#40
Benzene
Concen: 48.19 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





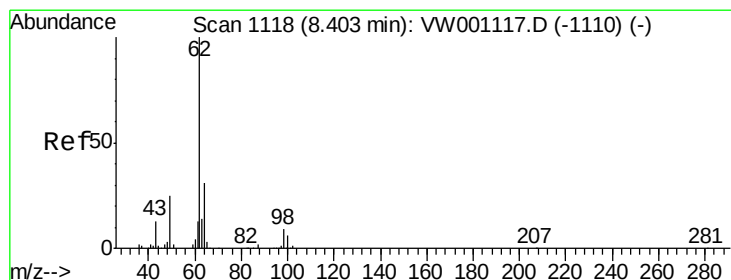
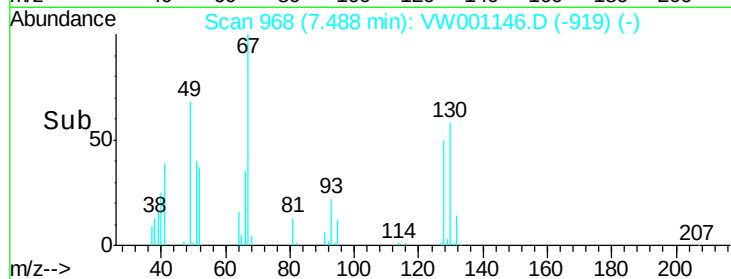
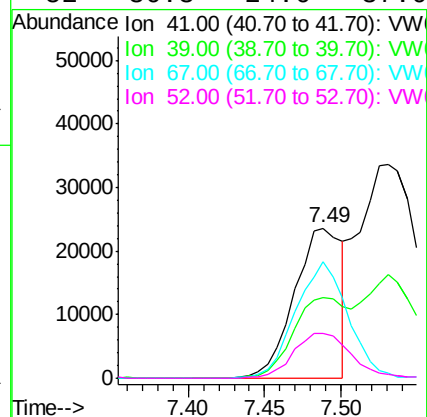
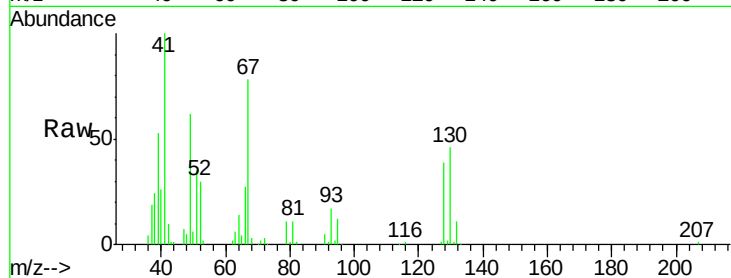
#41
Methacrylonitrile
Concen: 46.43 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	51223
Ion	Ratio	Lower	Upper
41	100		
39	63.0	48.8	73.2
67	85.1	59.6	89.4
52	36.3	24.6	37.0

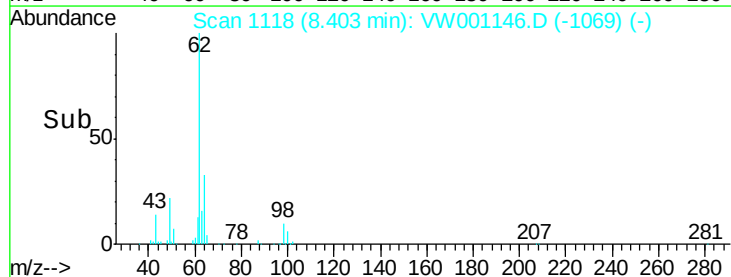
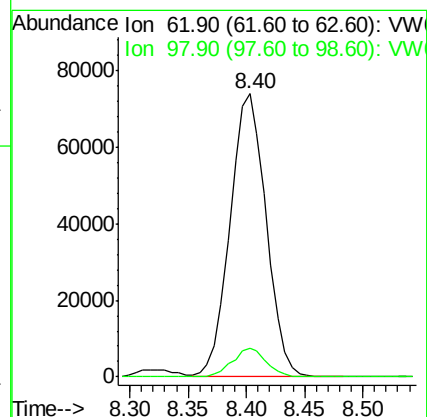
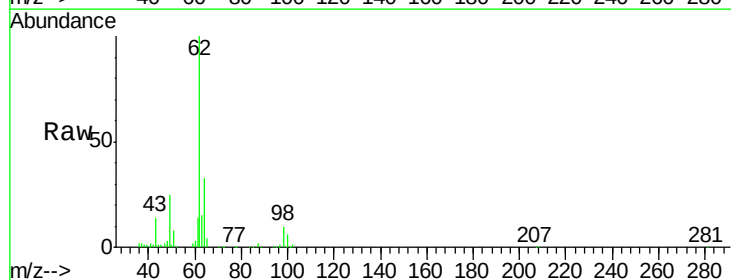
Manual Integrations
APPROVED

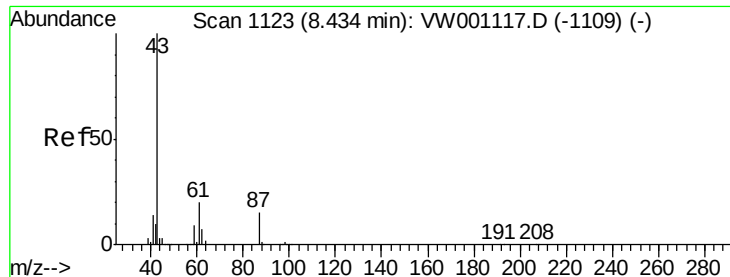
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.51 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	62	Resp	158898
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 49.24 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

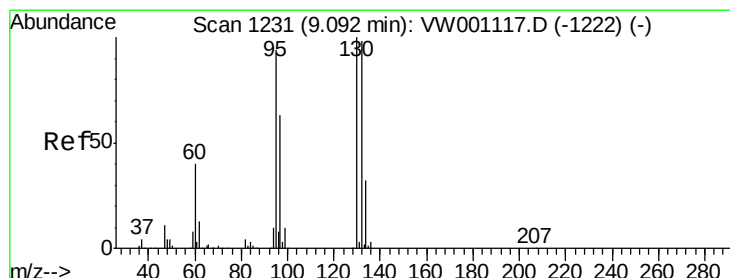
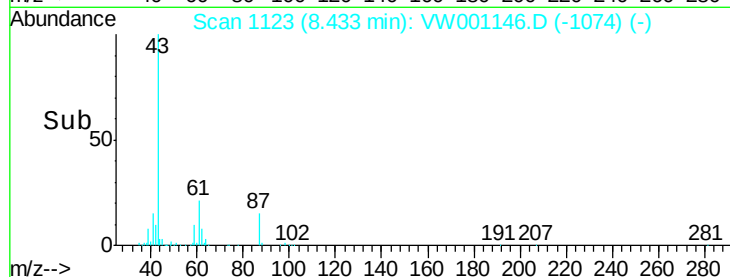
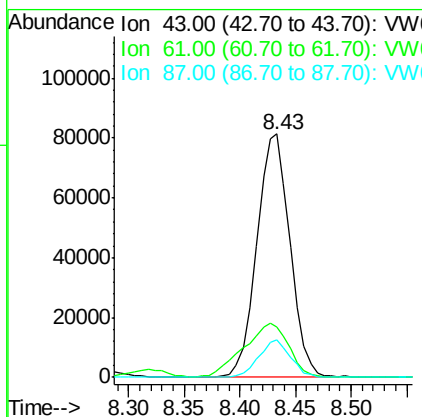
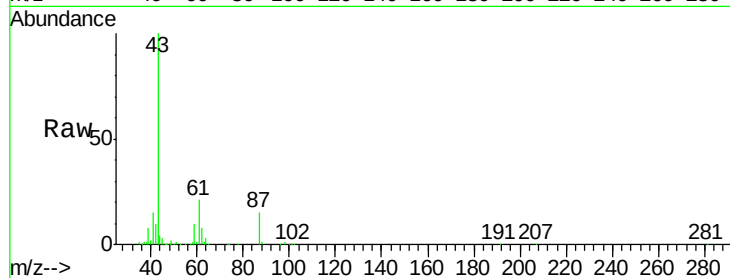
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	168491
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.9	35.9
87	14.6	12.0	18.0

Manual Integrations
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MM Dadoda
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#44

Trichloroethene

Concen: 47.72 ug/l

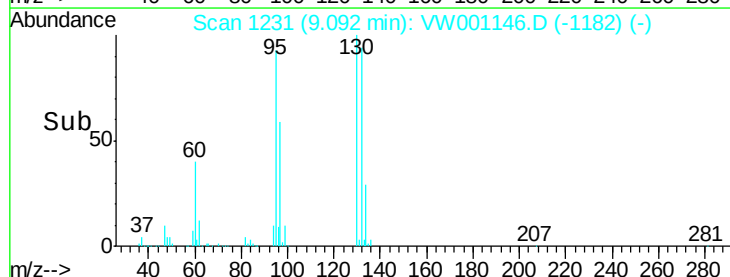
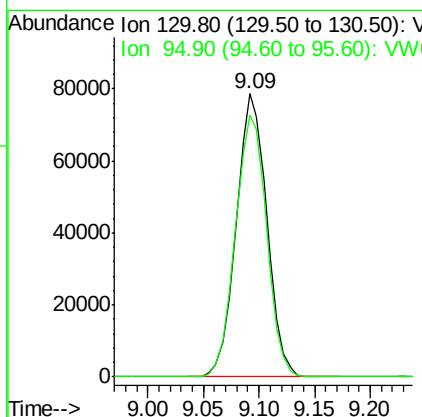
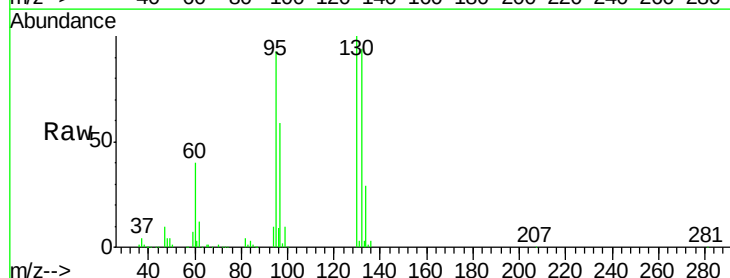
RT: 9.09 min Scan# 1231

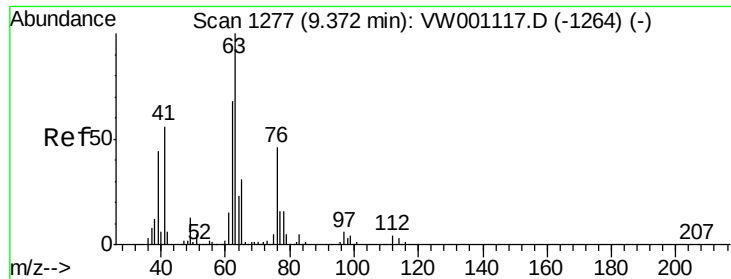
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	130	Resp:	149238
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	189.0





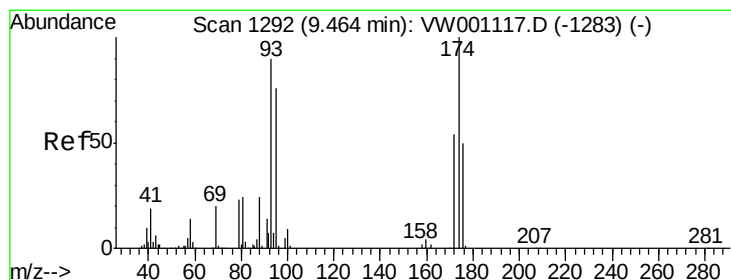
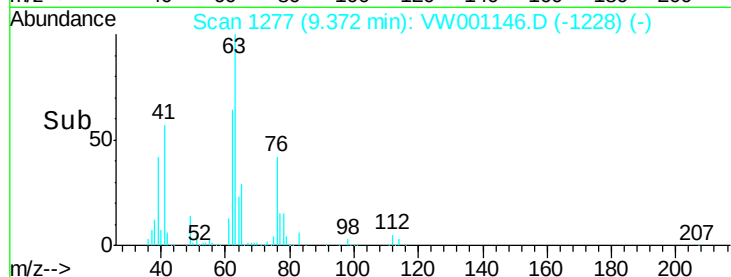
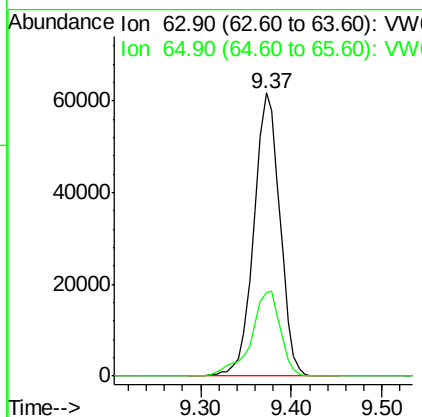
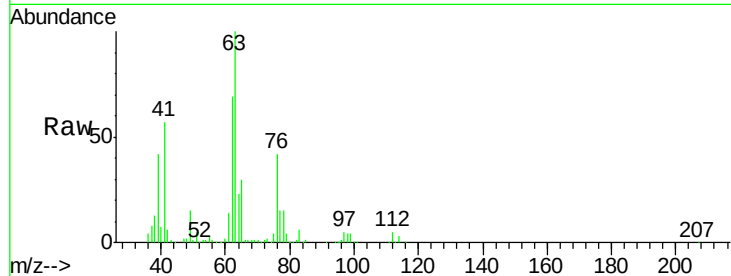
#45
 1,2-Dichloropropane
 Concen: 48.89 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.0	37.4

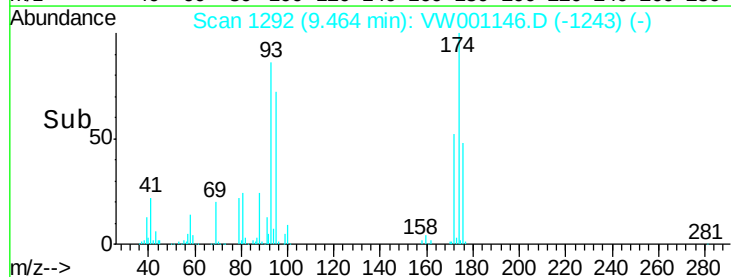
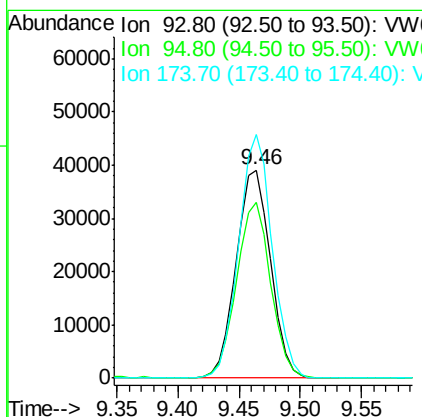
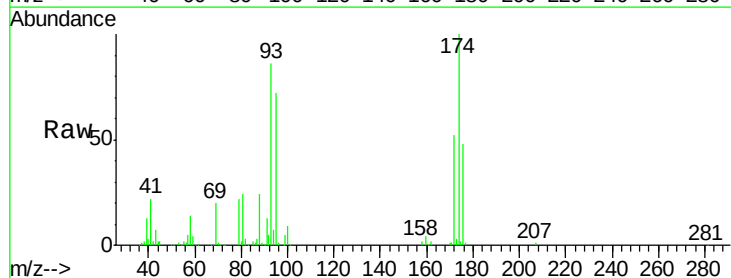
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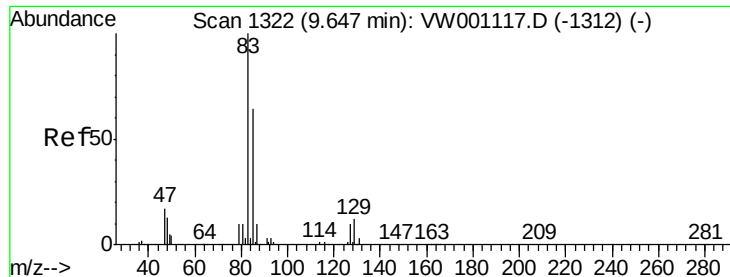
MMDadoda
 1/30/2018 5:46:59 PM



#46
 Dibromomethane
 Concen: 48.66 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.5	99.7
174	114.0	89.5	134.3





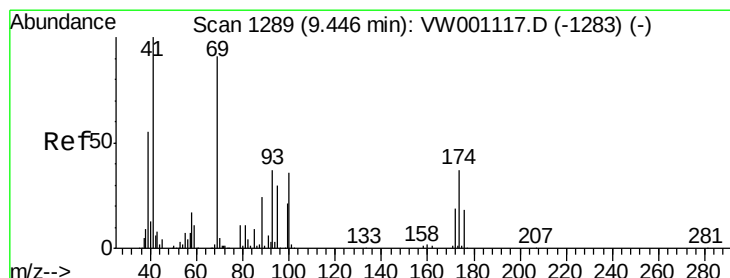
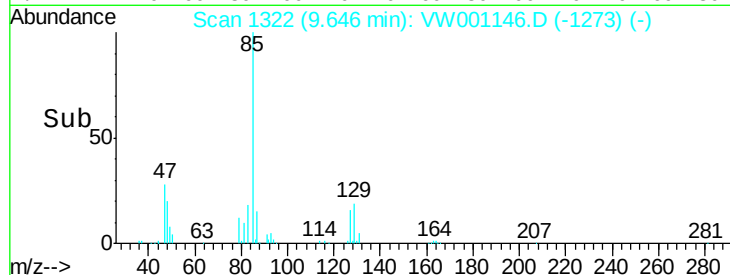
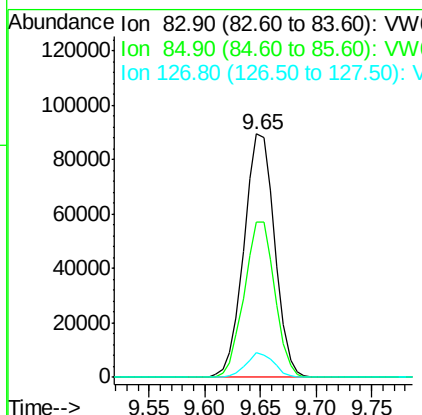
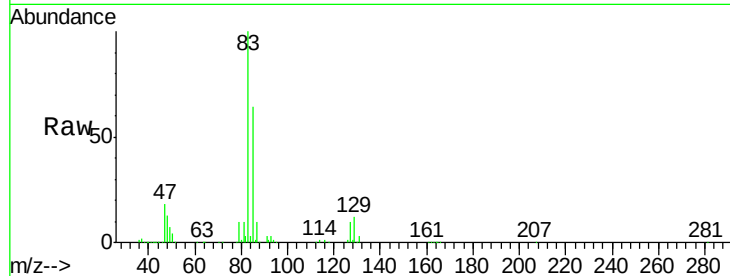
#47
Bromodichloromethane
Concen: 48.44 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3
127	10.3	7.6	11.4

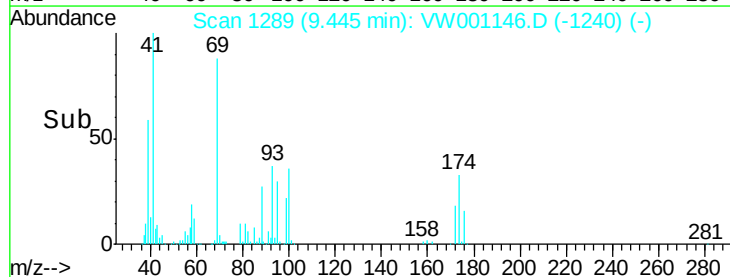
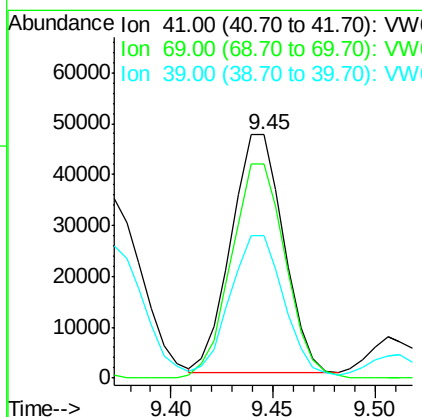
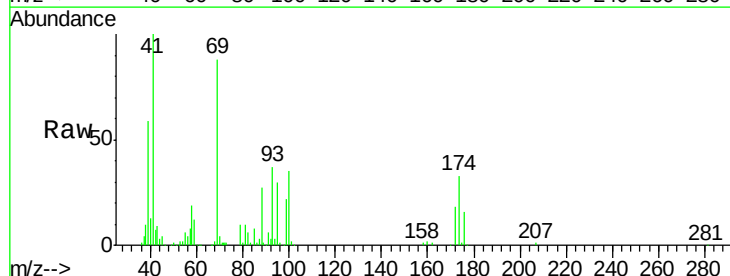
Manual Integrations
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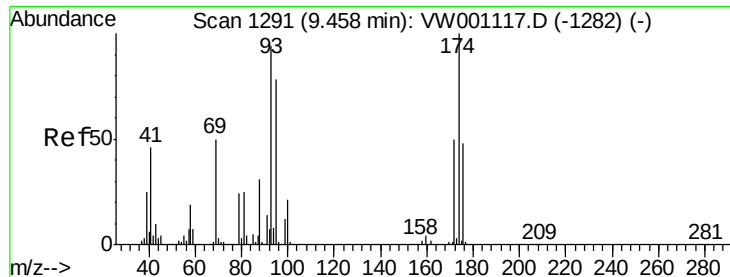
MMDadoda
1/30/2018 5:46:59 PM



#48
Methyl methacrylate
Concen: 51.40 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.9	74.9	112.3
39	61.6	47.6	71.4





#49

1,4-Dioxane

Concen: 1099.49 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

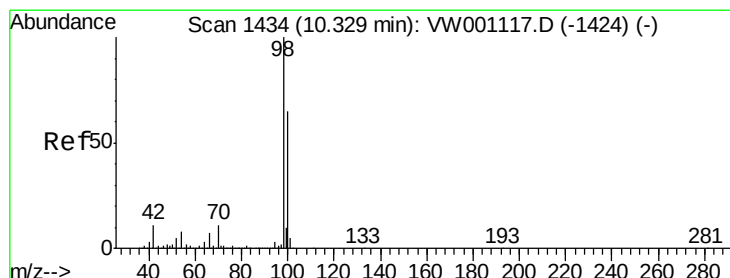
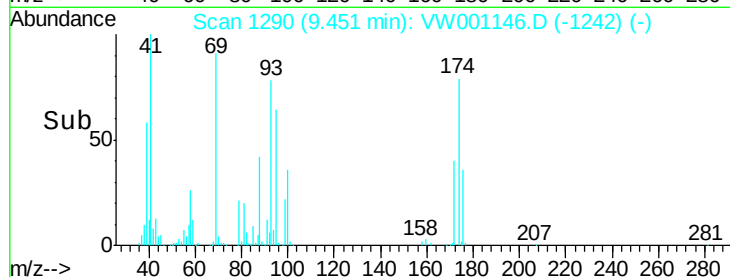
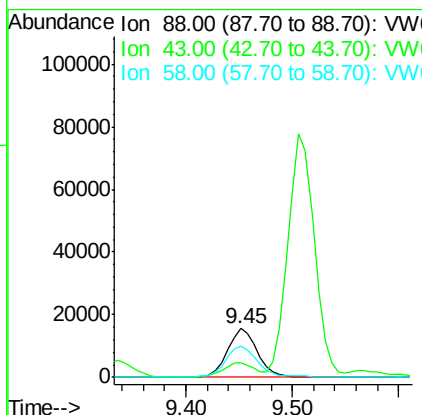
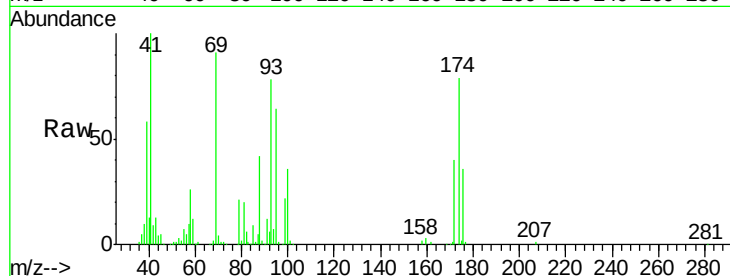
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	30732
Ion Ratio	Lower	Upper	
88	100		
43	31.9	23.0	34.6
58	66.5	53.9	80.9

Manual Integrations
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#50

Toluene-d8

Concen: 48.24 ug/l

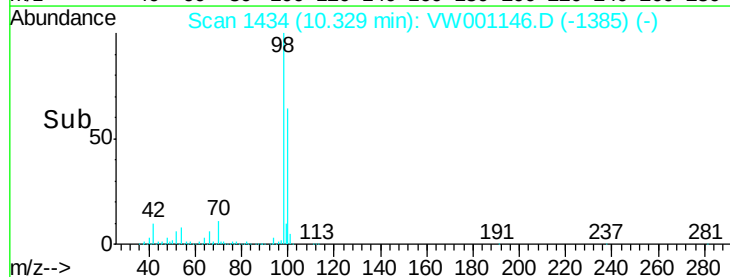
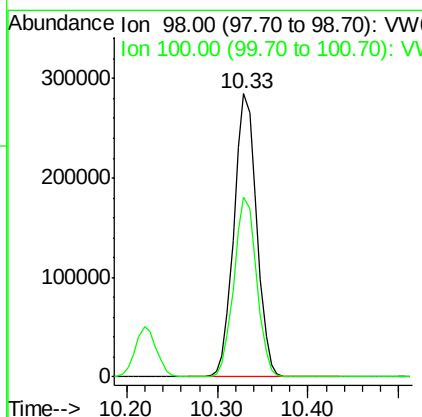
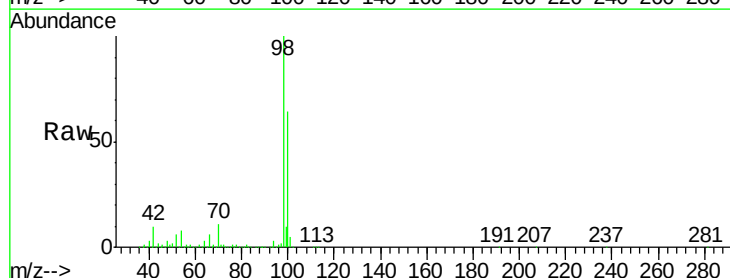
RT: 10.33 min Scan# 1434

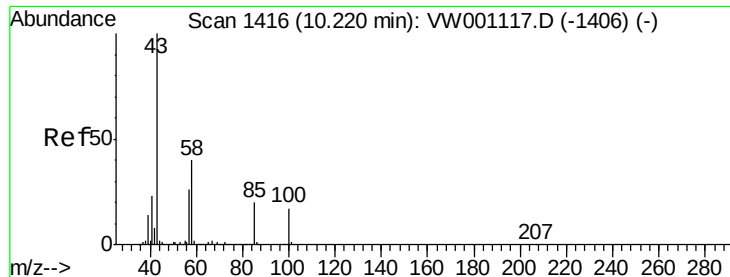
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	98	Resp:	494904
Ion Ratio	Lower	Upper	
98	100		
100	63.5	51.3	76.9





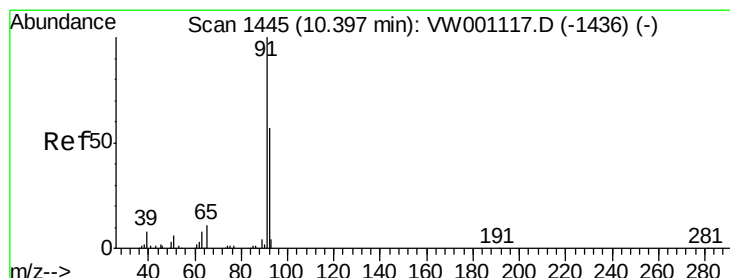
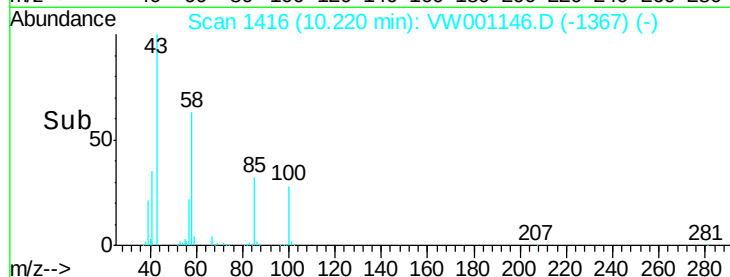
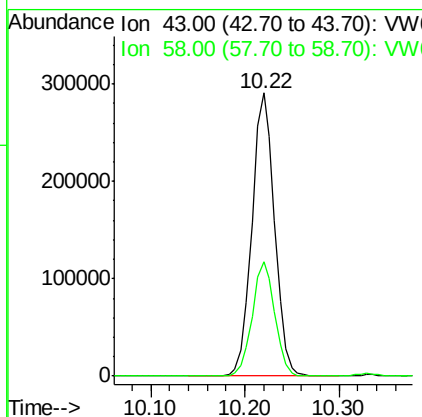
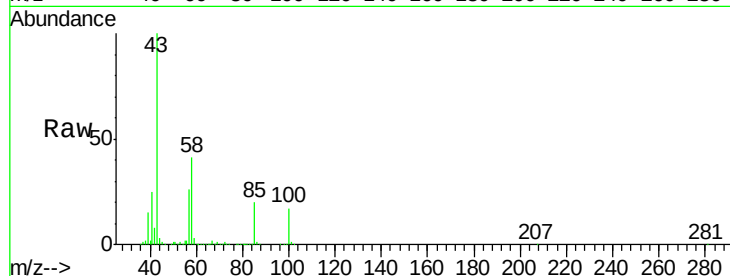
#51
 4-Methyl-2-Pentanone
 Concen: 262.38 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	490567
Ion Ratio	100	Lower	Upper
58	40.3	32.1	48.1

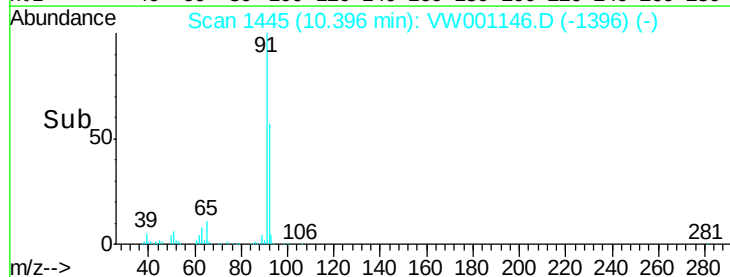
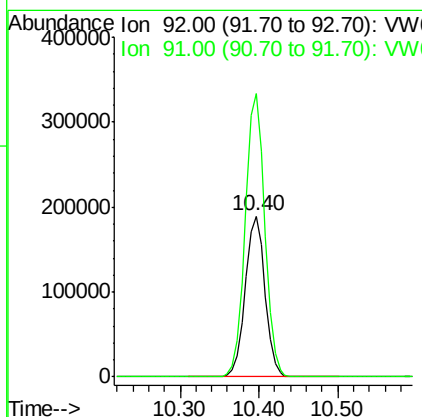
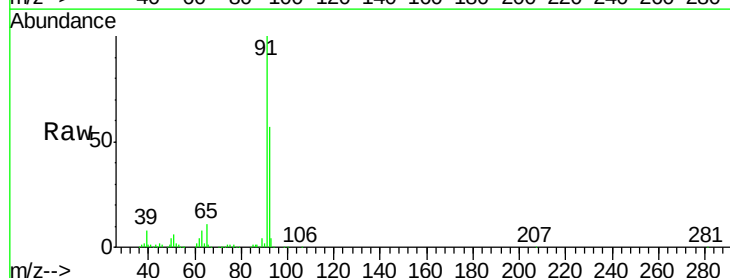
Manual Integrations
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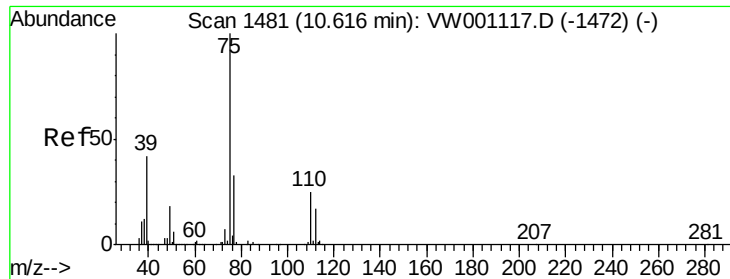
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#52
 Toluene
 Concen: 48.87 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	92	Resp	326876
Ion Ratio	100	Lower	Upper
91	175.4	140.6	211.0





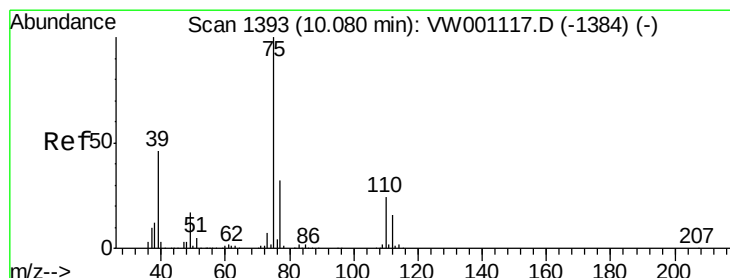
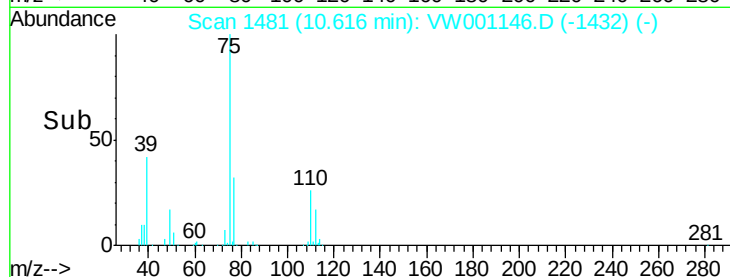
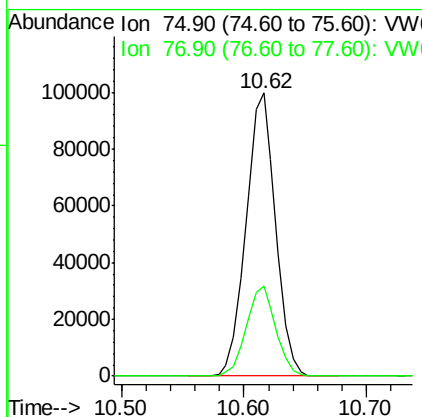
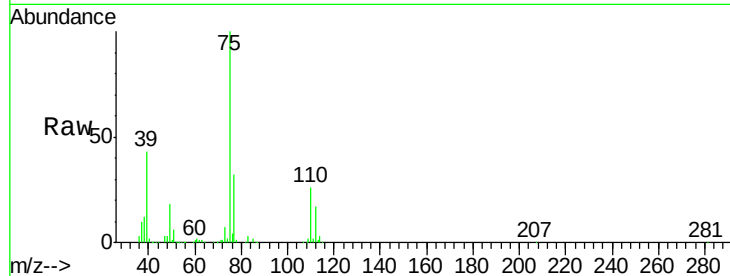
#53
 t-1,3-Dichloropropene
 Concen: 46.48 ug/l
 RT: 10.62 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 166443
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.0 39.0

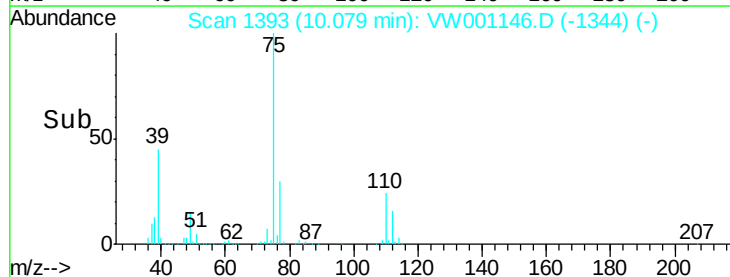
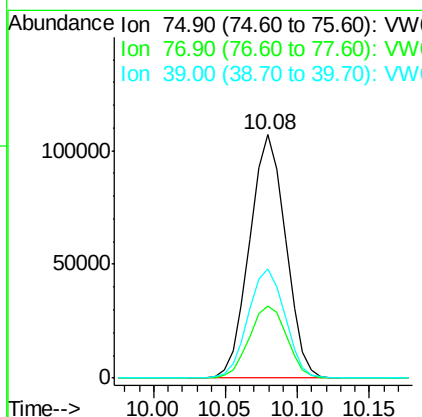
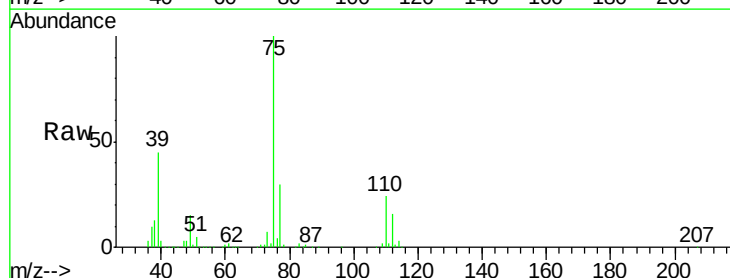
Manual Integrations
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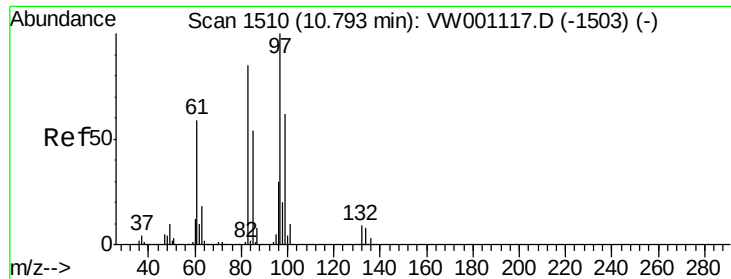
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#54
 cis-1,3-Dichloropropene
 Concen: 46.45 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion: 75 Resp: 185706
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.5 38.3
 39 44.8 37.0 55.4





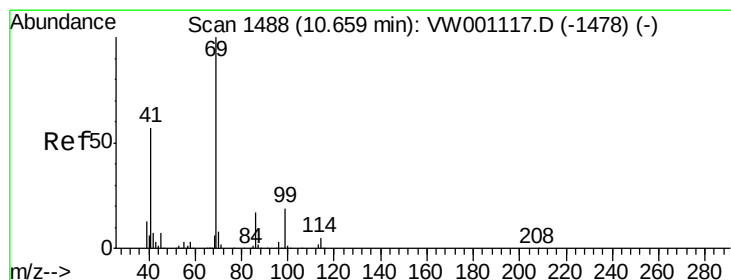
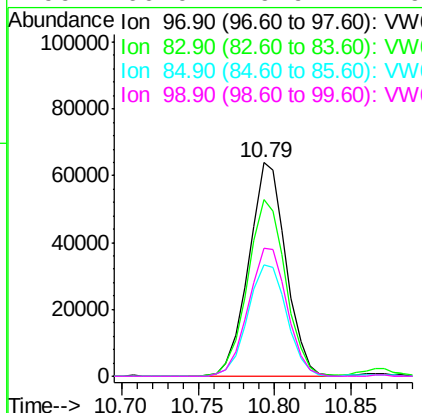
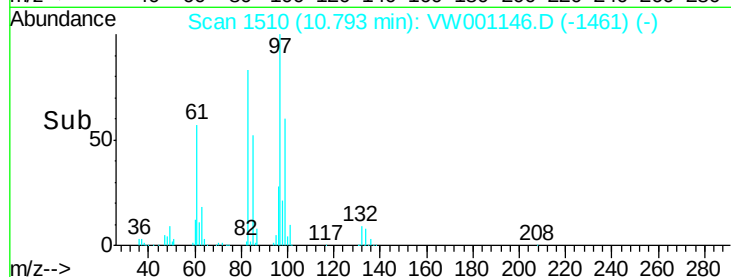
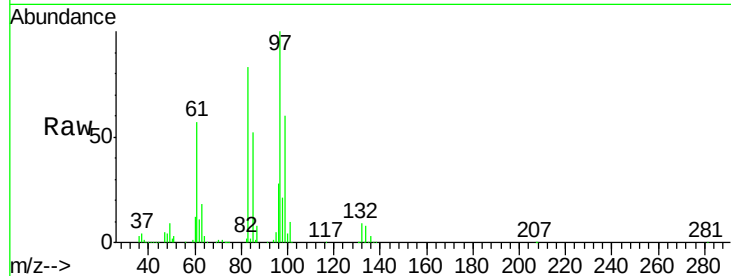
#55
 1,1,2-Trichloroethane
 Concen: 48.37 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108156		
83	82.7	67.7	101.5		
85	52.0	43.0	64.6		
99	60.0	49.9	74.9		

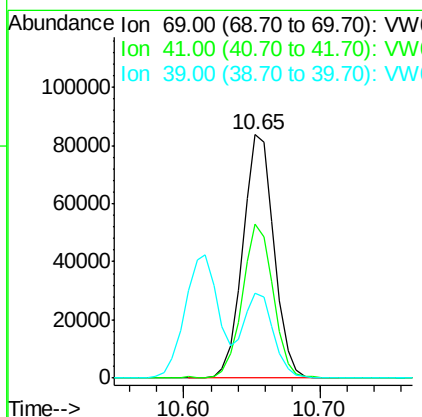
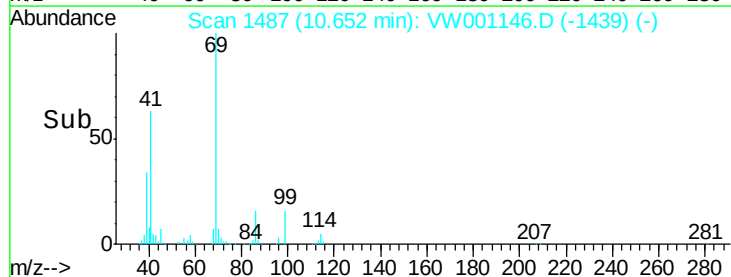
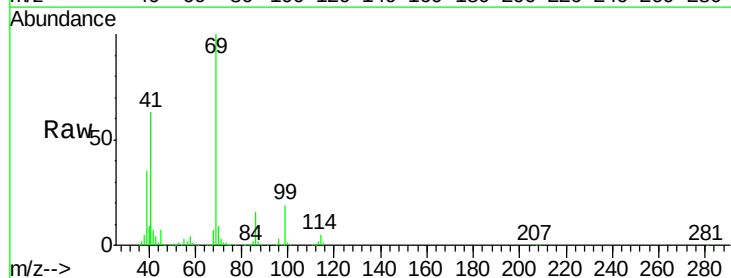
Manual Integrations
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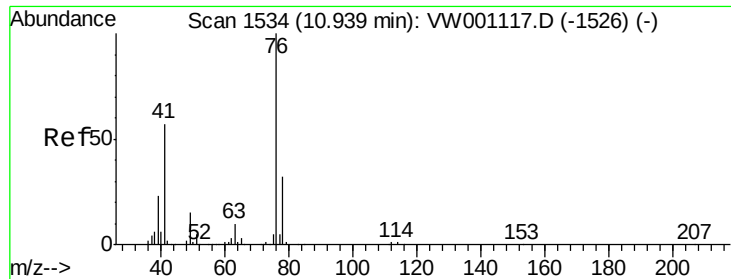
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 1/30/2018 5:46:59 PM



#56
 Ethyl methacrylate
 Concen: 50.99 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133660		
41	61.9	50.6	75.8		
39	34.0	27.5	41.3		





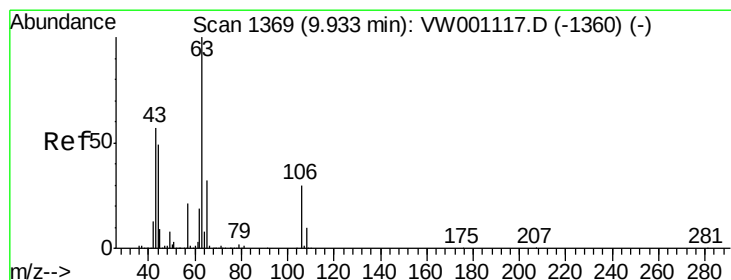
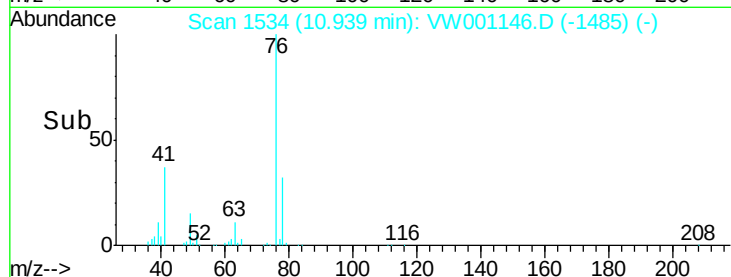
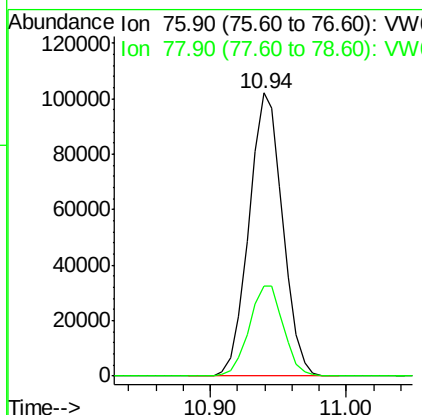
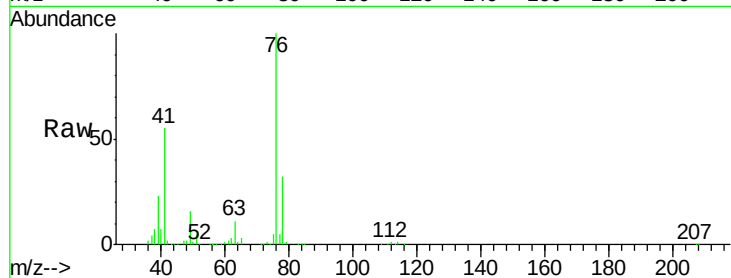
#57
 1,3-Dichloropropane
 Concen: 48.69 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 177001
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

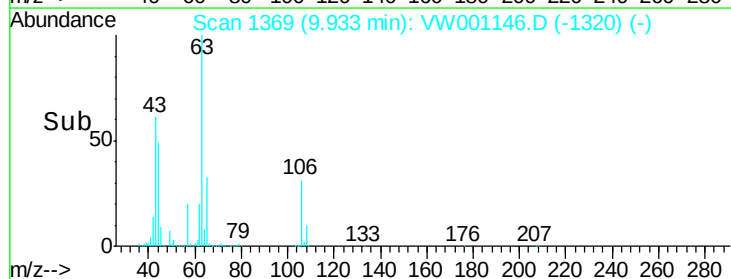
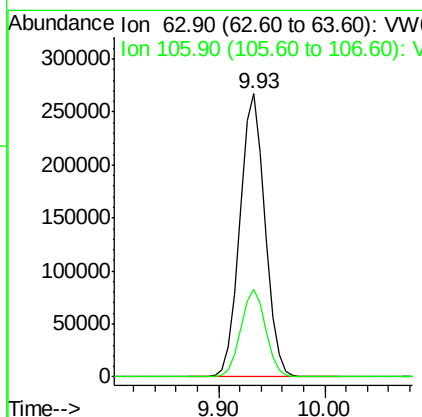
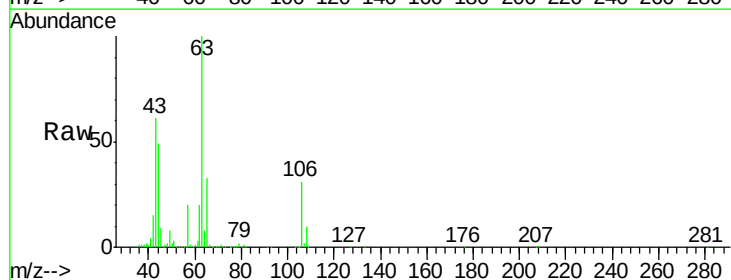
Manual Integrations
 APPROVED

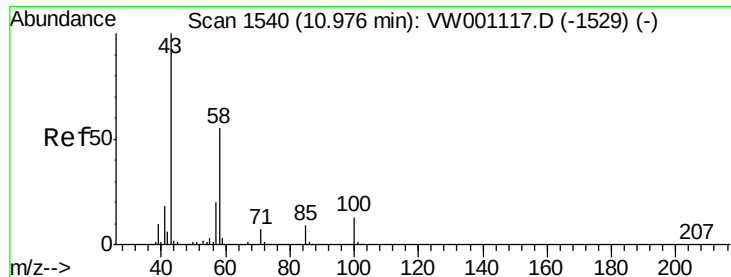
MMDadoda
 1/30/2018 5:46:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.62 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion: 63 Resp: 442575
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.2 36.4





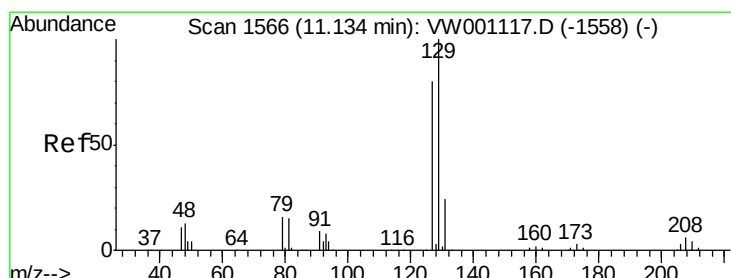
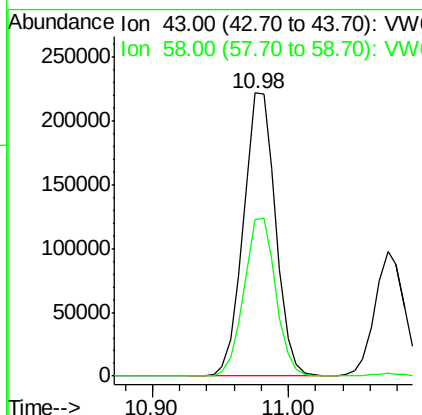
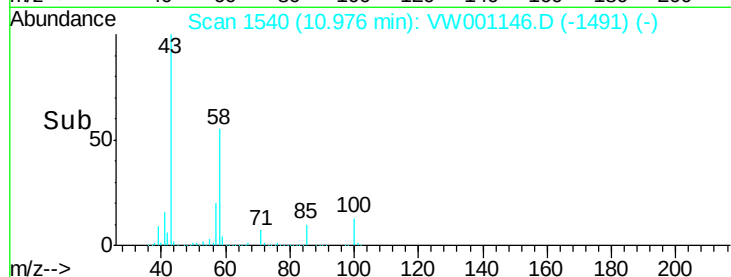
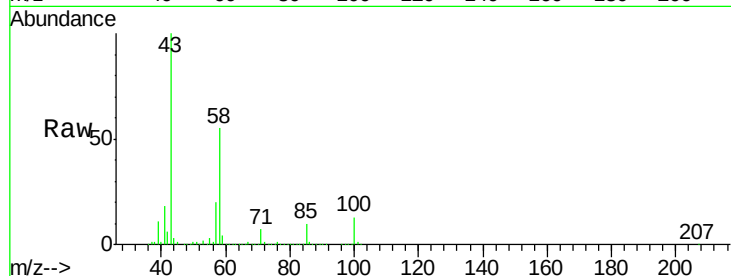
#59
2-Hexanone
Concen: 260.16 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 367988
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0

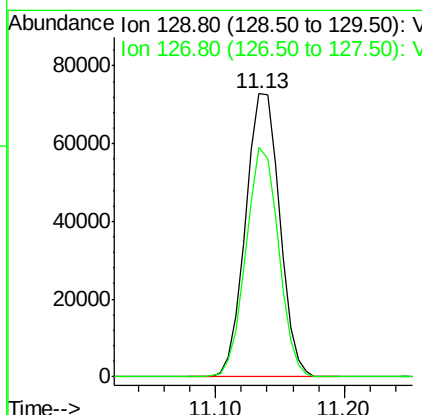
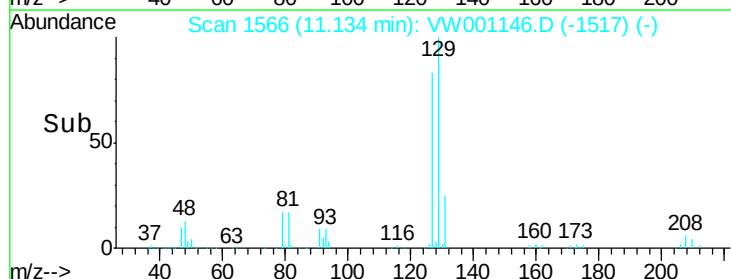
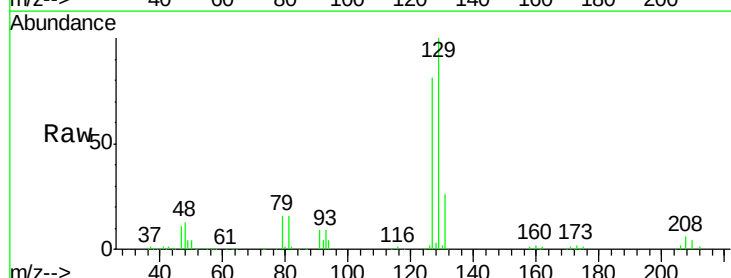
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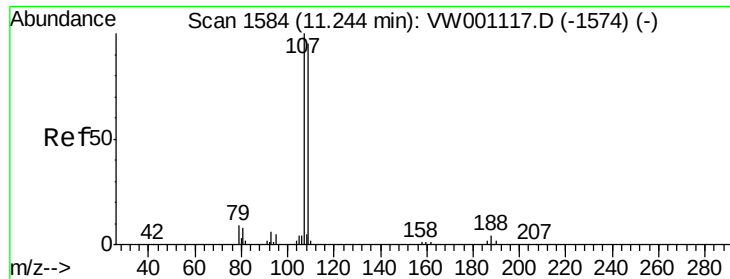
MMDadoda
1/30/2018 5:46:59 PM



#60
Dibromochloromethane
Concen: 48.85 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion: 129 Resp: 133114
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.47 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 109290

Ion Ratio Lower Upper

107 100

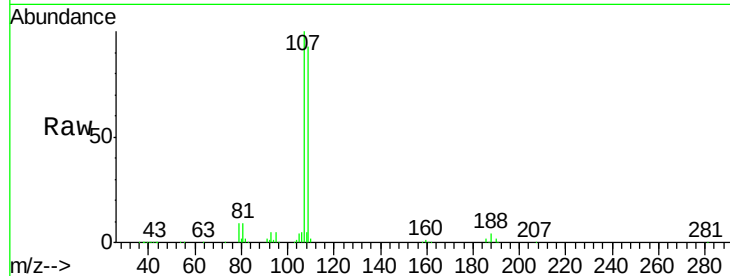
109 93.6 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

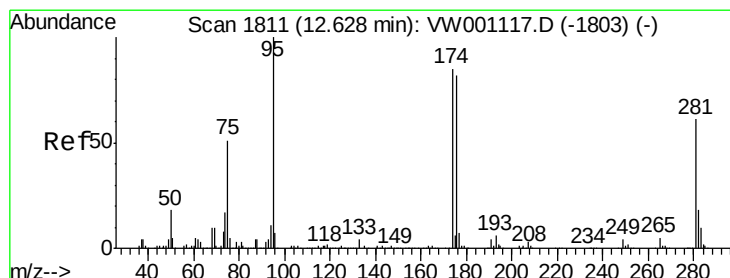
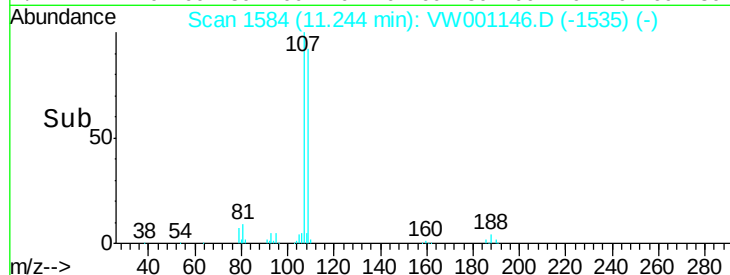
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.88 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

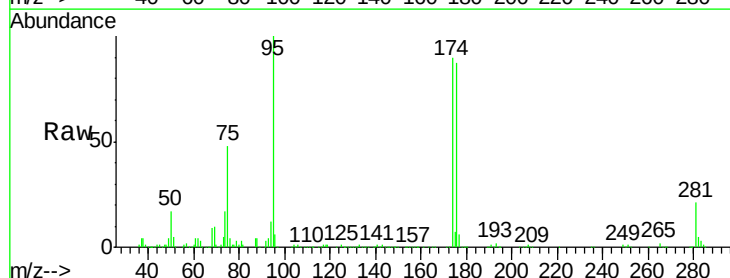
Tgt Ion: 95 Resp: 177231

Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.6

176 86.5 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

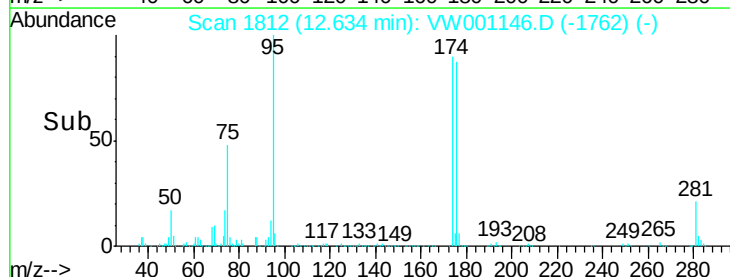
150000

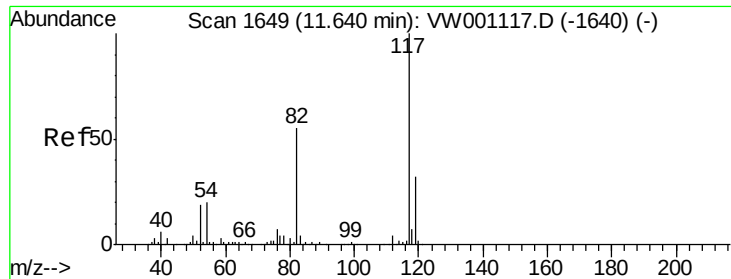
100000

50000

0

Time-->





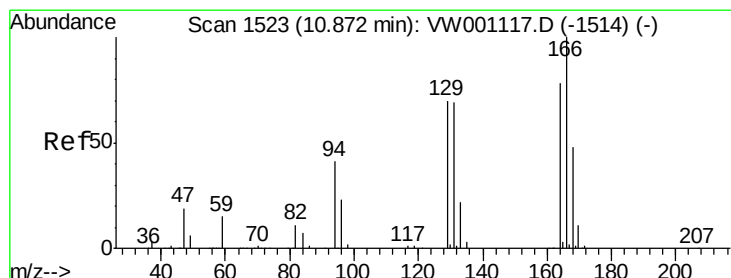
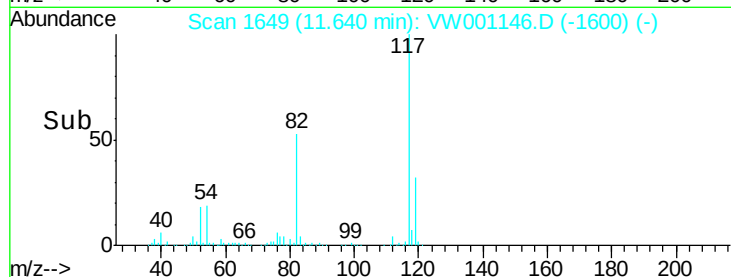
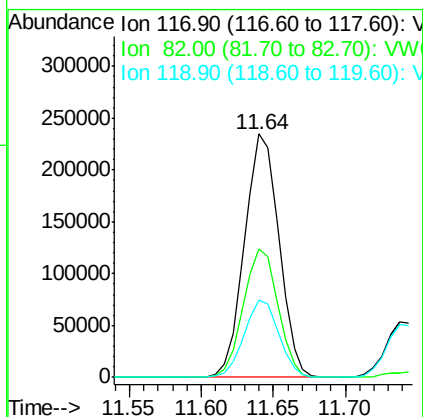
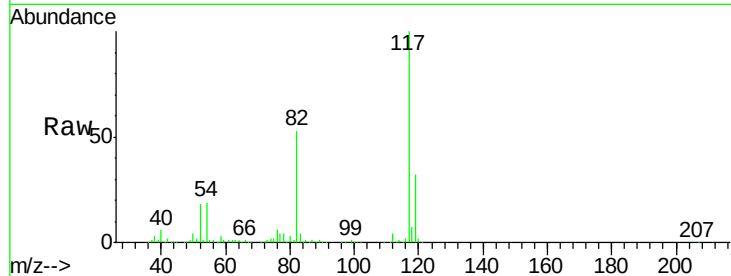
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.8	65.8
119	31.5	25.8	38.8

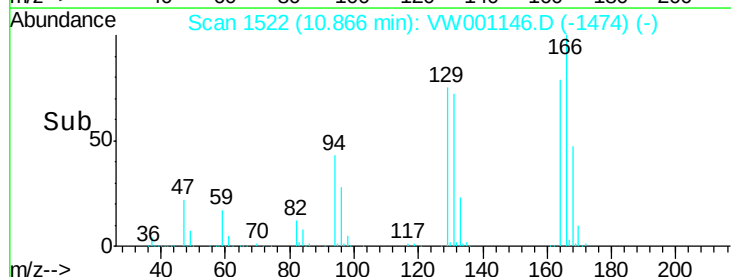
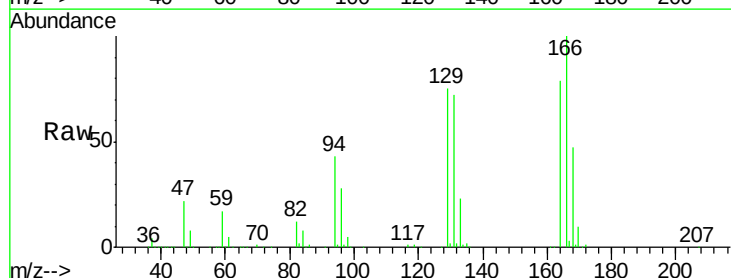
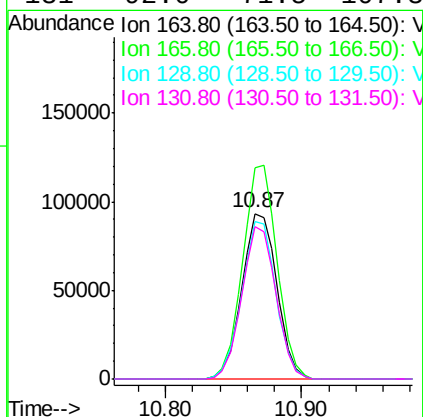
Manual Integrations
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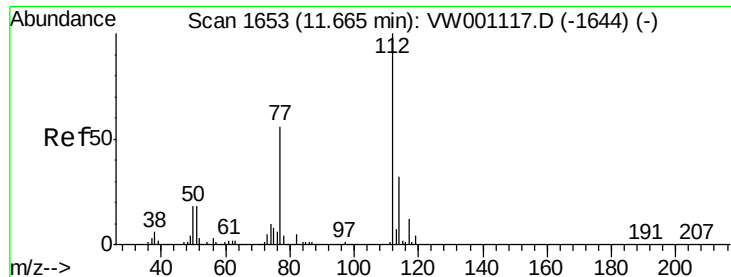
MMDadoda
1/30/2018 5:46:59 PM



#64
Tetrachloroethene
Concen: 53.63 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.1	154.7
129	95.3	72.3	108.5
131	92.0	71.5	107.3





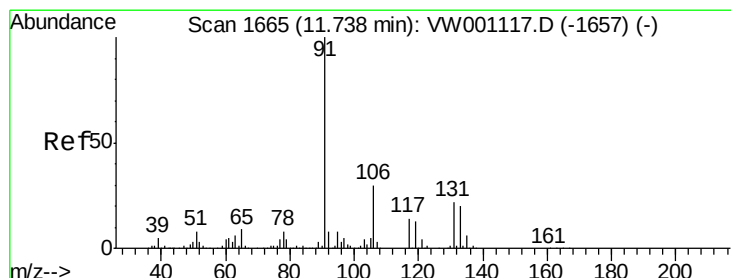
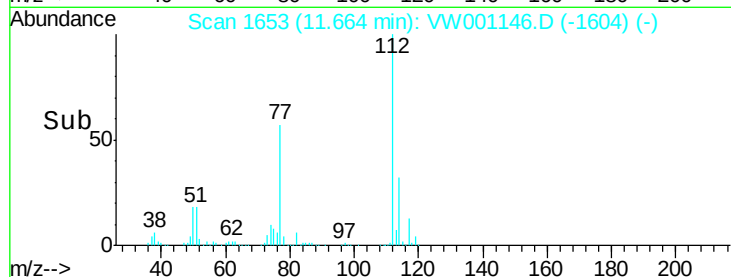
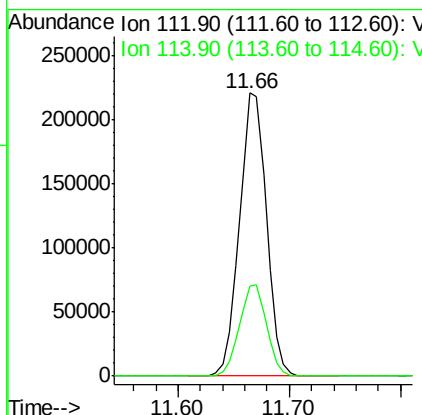
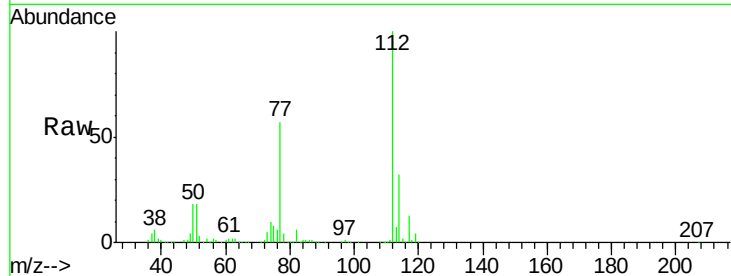
#65
Chlorobenzene
Concen: 47.31 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.5	38.3

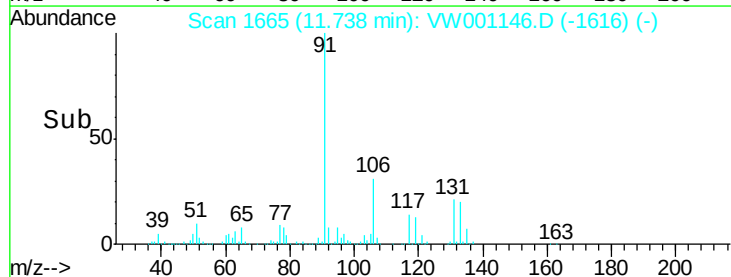
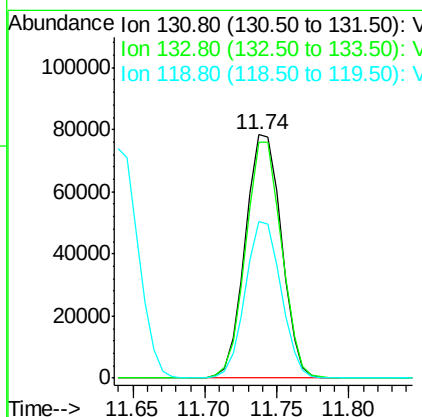
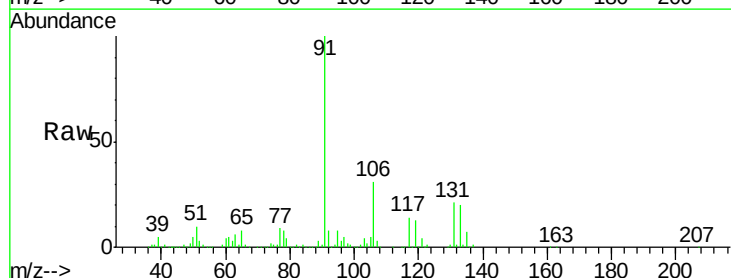
Manual Integrations
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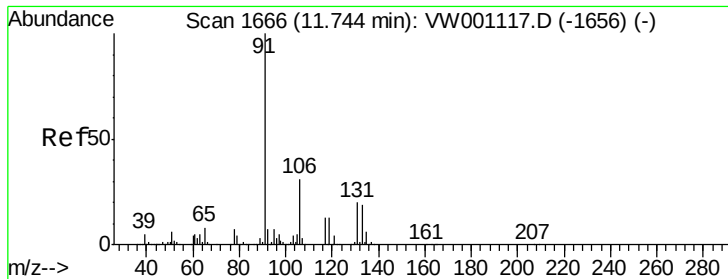
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.47 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.3	141.8
119	63.6	31.5	94.5





#67

Ethyl Benzene

Concen: 48.41 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 634445

Ion Ratio Lower Upper

91 100

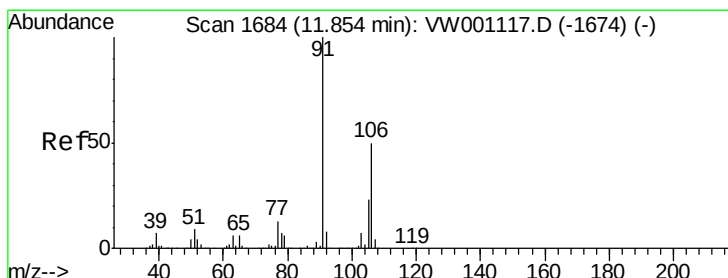
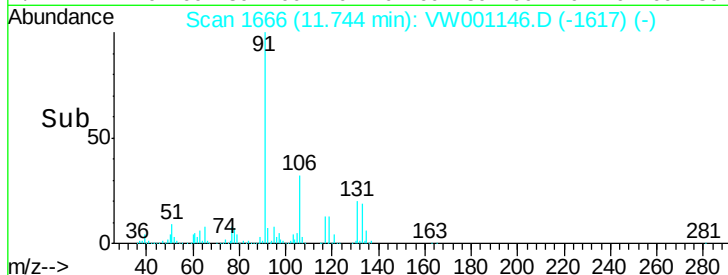
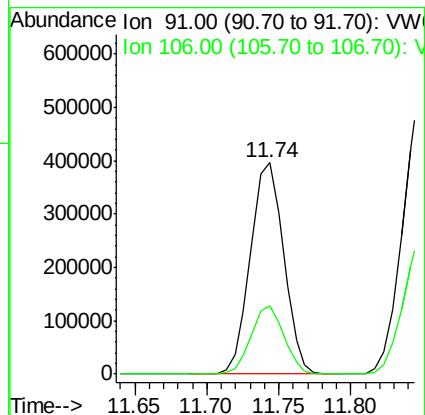
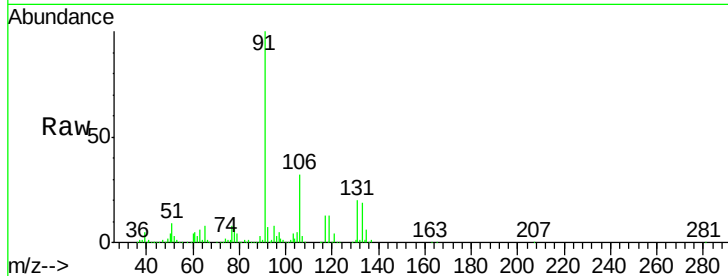
106 32.4 24.6 36.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.28 ug/l

RT: 11.85 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW001146.D

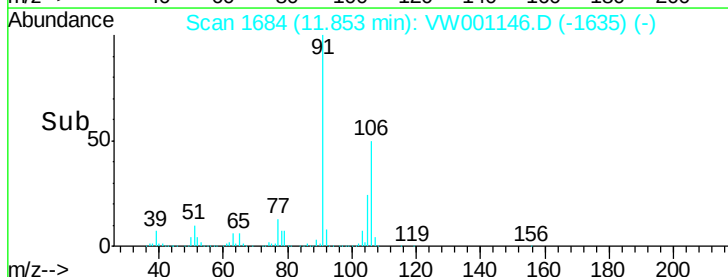
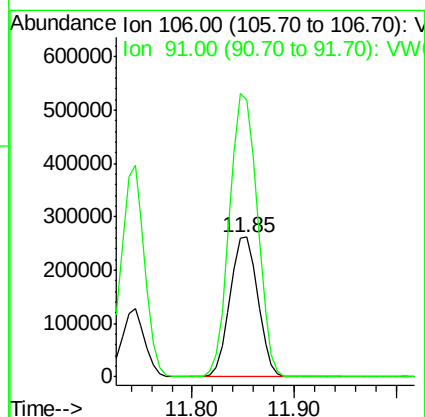
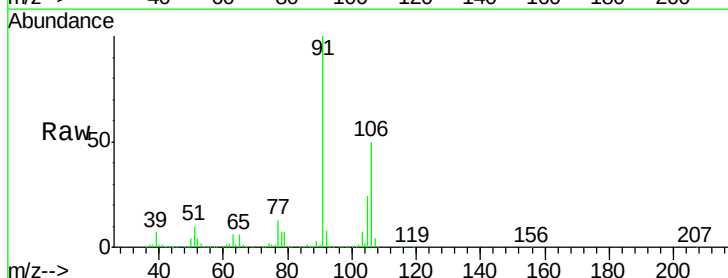
Acq: 30 Jan 2018 03:00

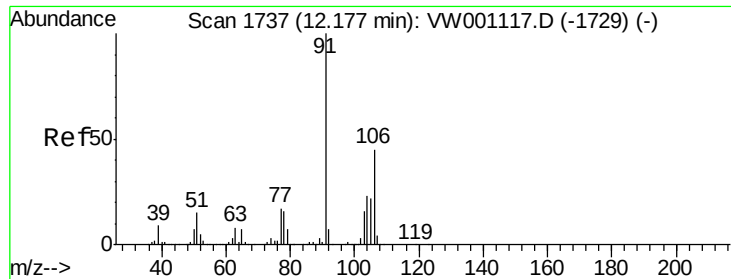
Tgt Ion: 106 Resp: 496693

Ion Ratio Lower Upper

106 100

91 202.4 163.1 244.7





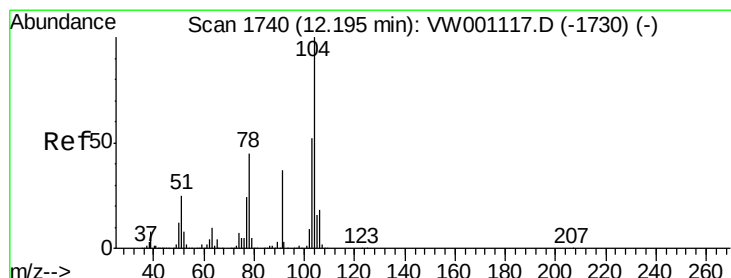
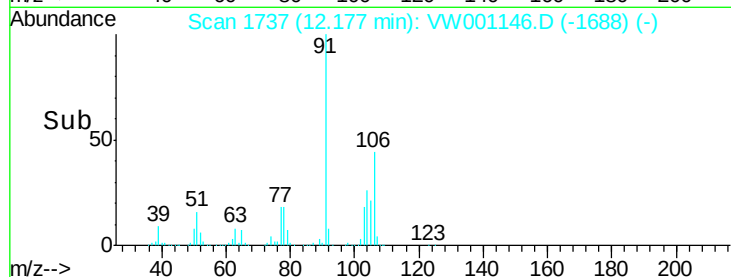
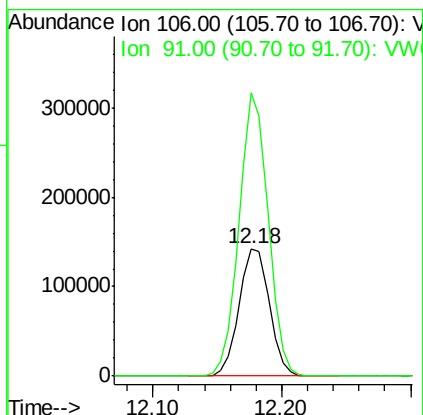
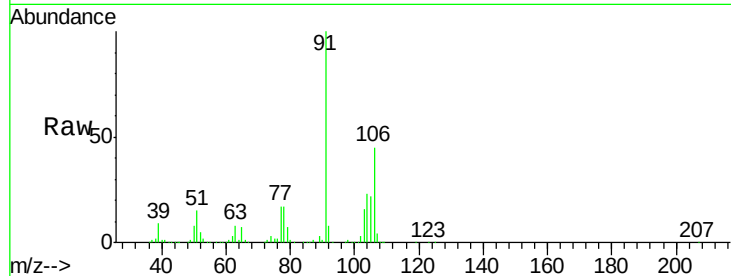
#69
o-Xylene
Concen: 49.19 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.5	107.6	322.8

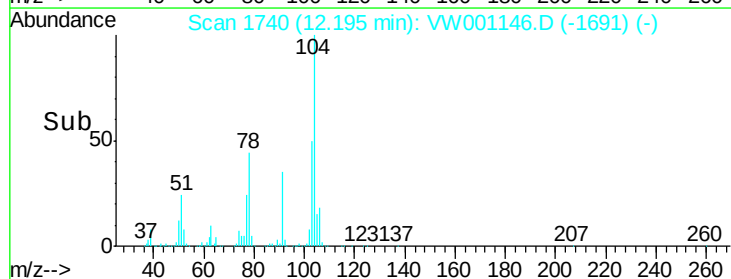
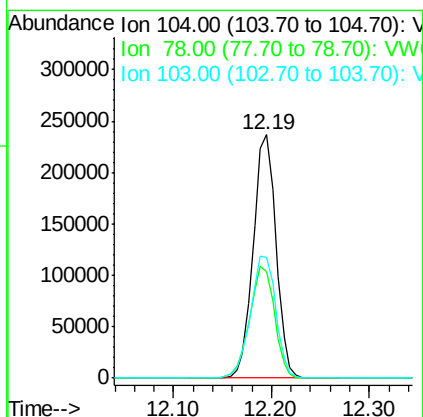
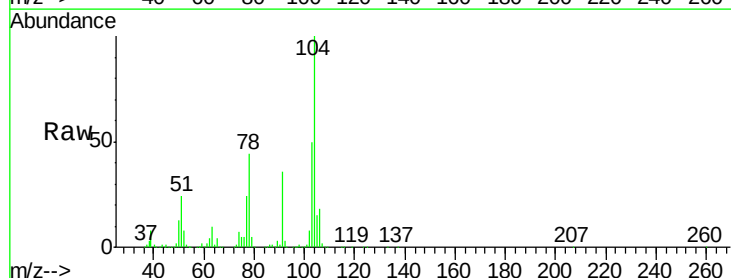
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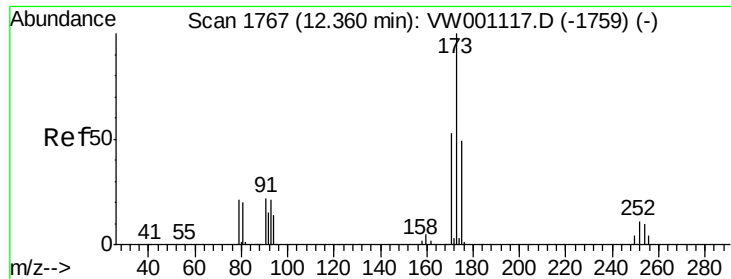
MMDadoda
1/30/2018 5:46:59 PM



#70
Styrene
Concen: 49.89 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.9	59.9
103	55.7	44.7	67.1





#71

Bromoform

Concen: 49.46 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 91601

Ion Ratio Lower Upper

173 100

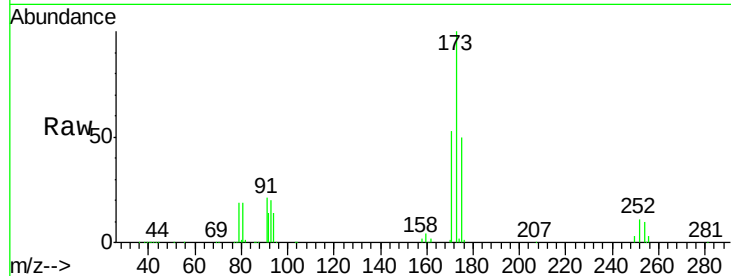
175 49.0 24.9 74.6

254 0.0 0.1 0.1#

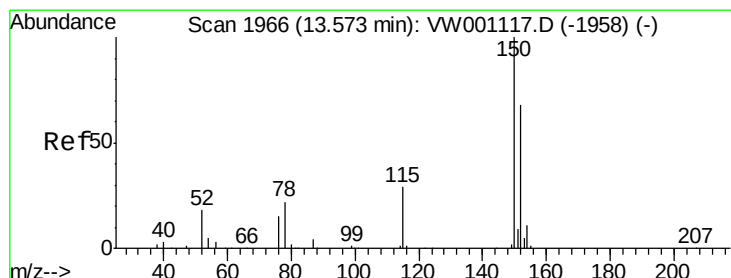
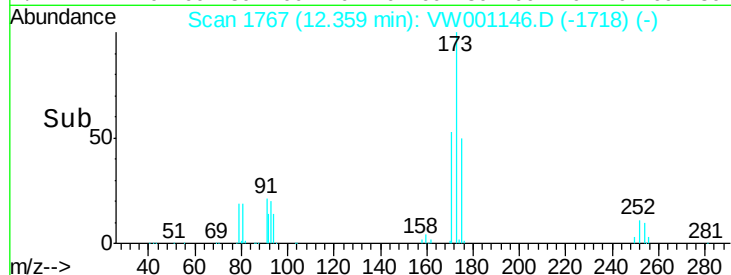
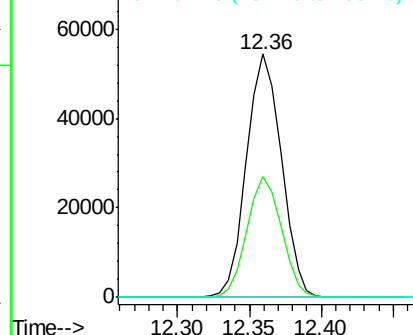
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

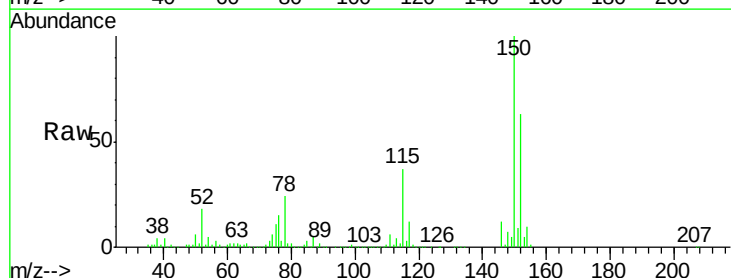
Tgt Ion:152 Resp: 210249

Ion Ratio Lower Upper

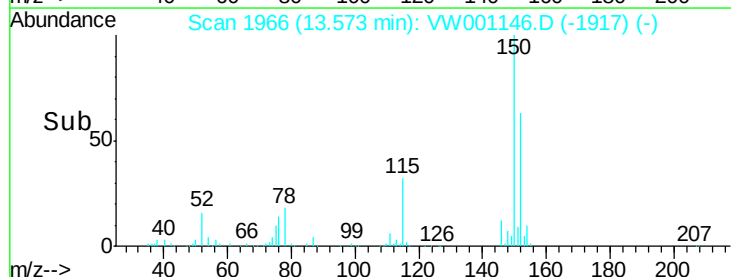
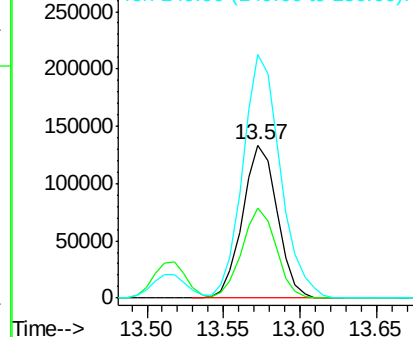
152 100

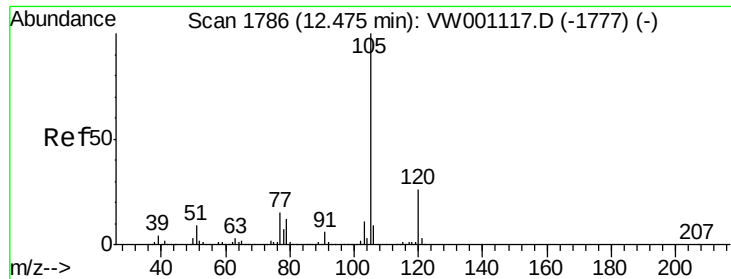
115 58.1 28.4 85.3

150 172.7 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: 49.43 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 650959

Ion Ratio Lower Upper

105 100

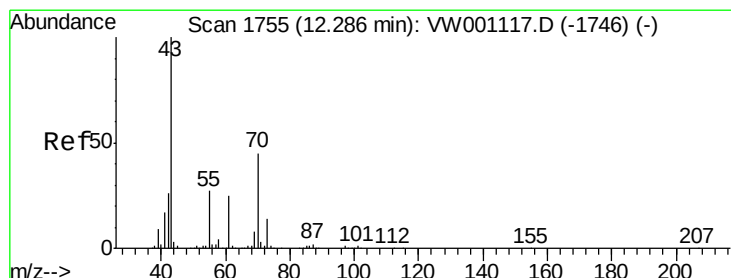
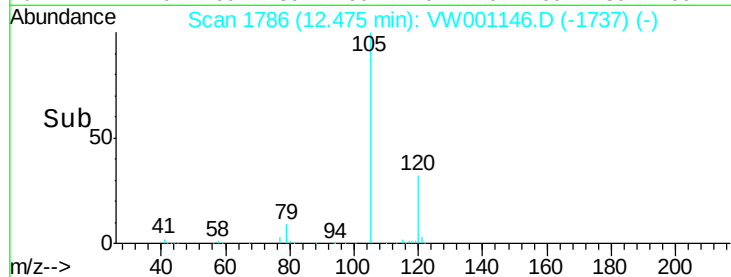
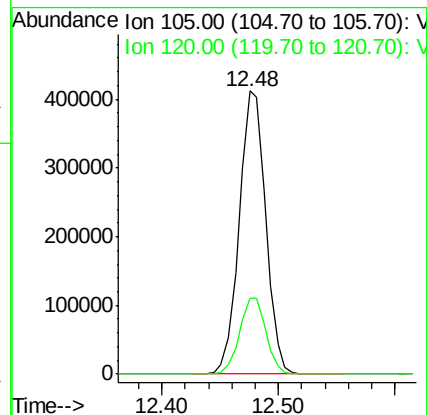
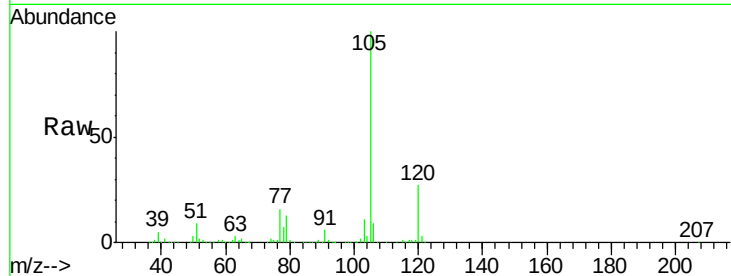
120 26.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.32 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion: 43 Resp: 151340

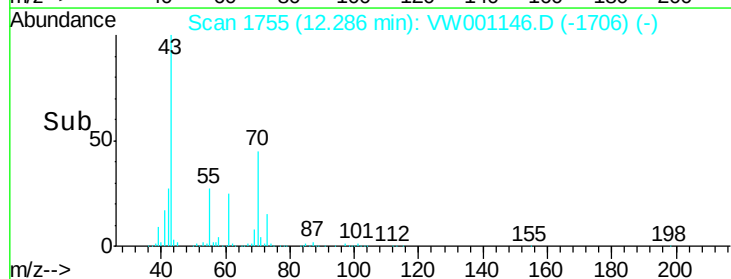
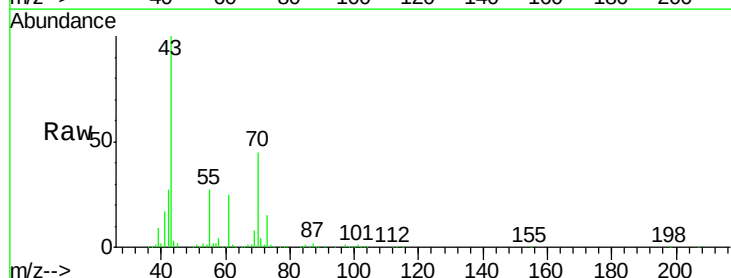
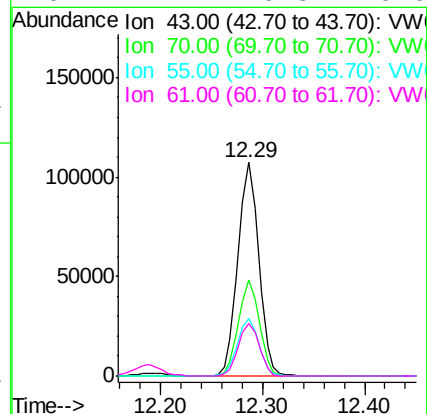
Ion Ratio Lower Upper

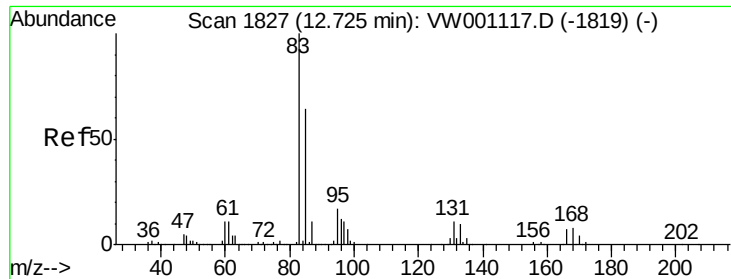
43 100

70 44.9 36.0 54.0

55 27.5 21.7 32.5

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.47 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

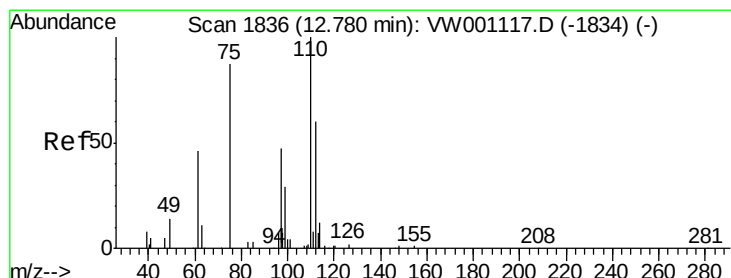
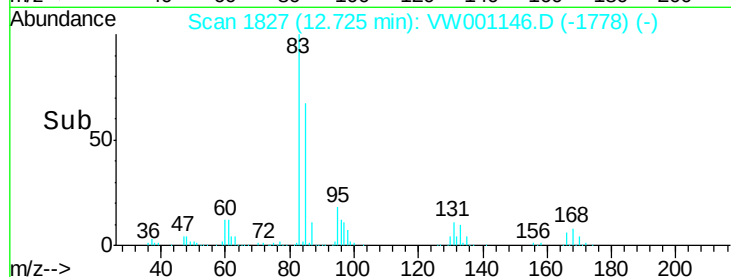
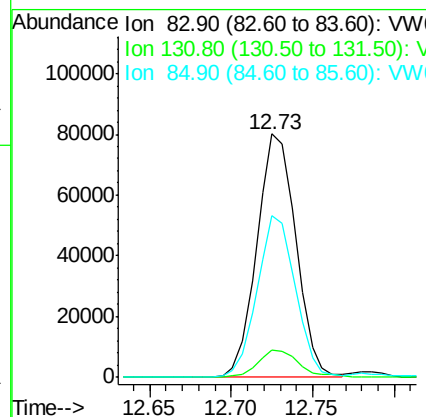
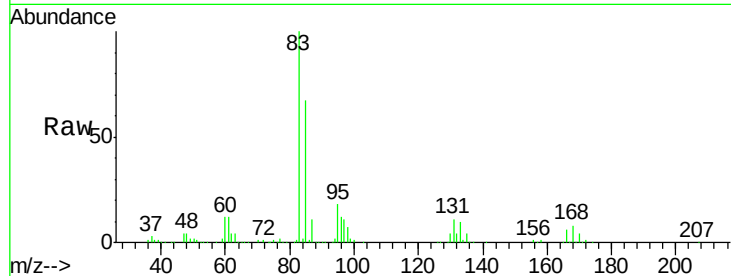
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133247
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.4
85	65.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 84.68 ug/l

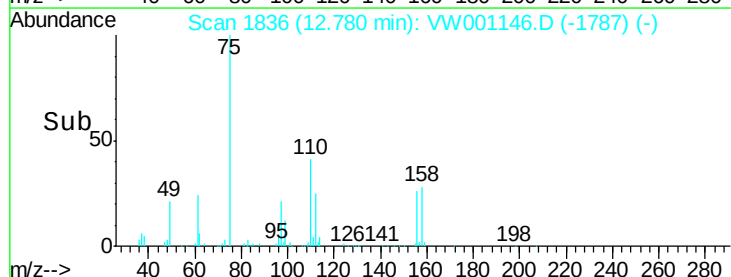
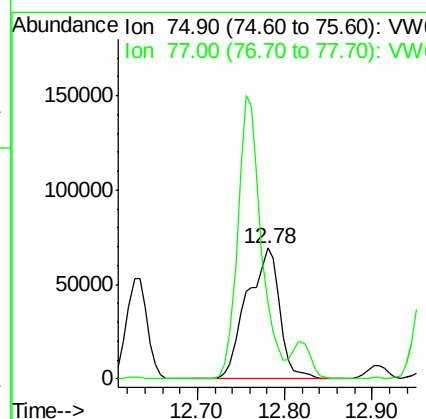
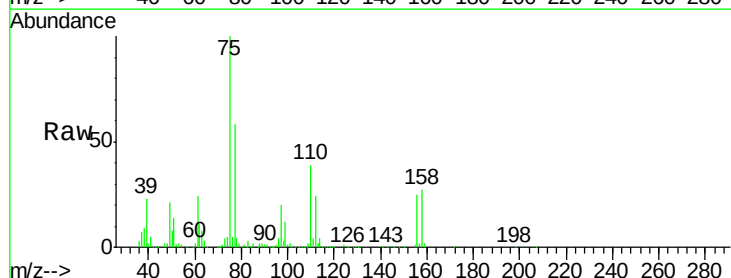
RT: 12.78 min Scan# 1836

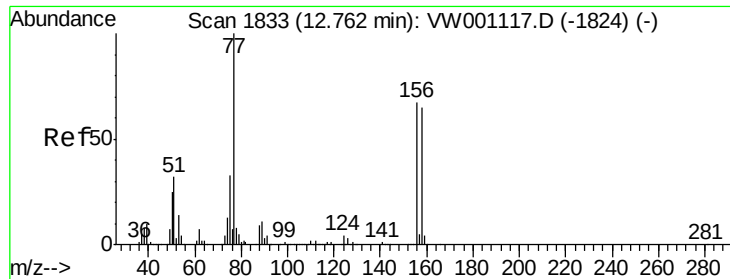
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	75	Resp:	180440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.23 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

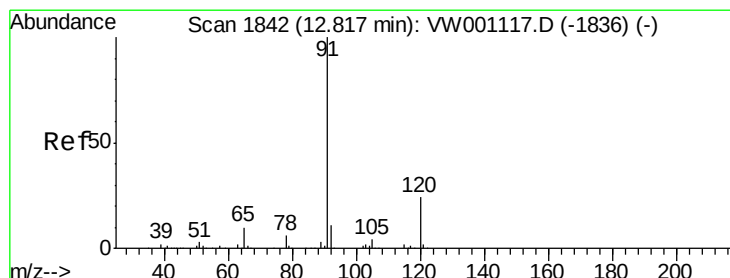
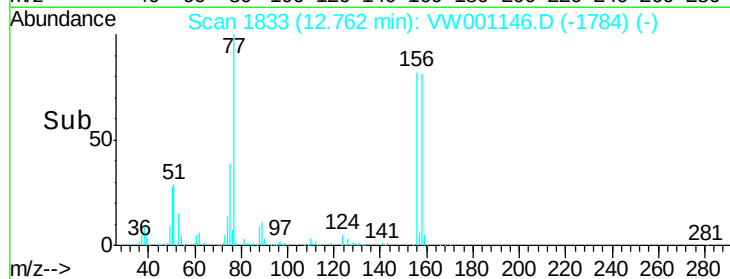
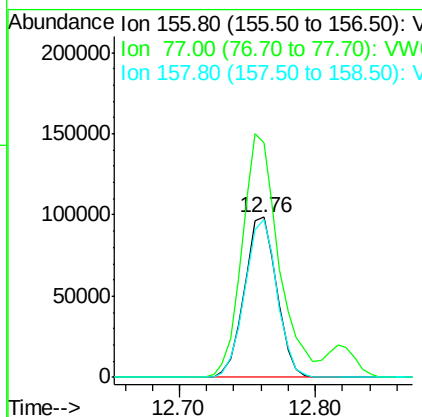
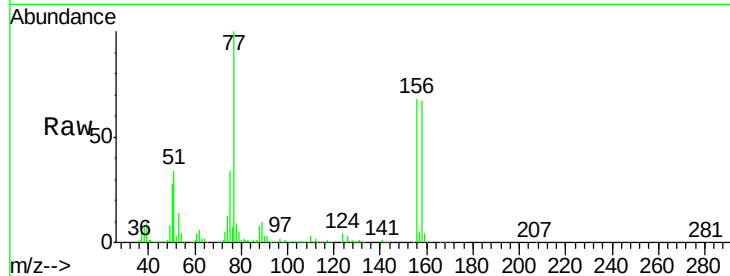
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	164882
Ion Ratio	Lower	Upper	
156	100		
77	170.2	85.3	255.8
158	97.8	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 48.53 ug/l

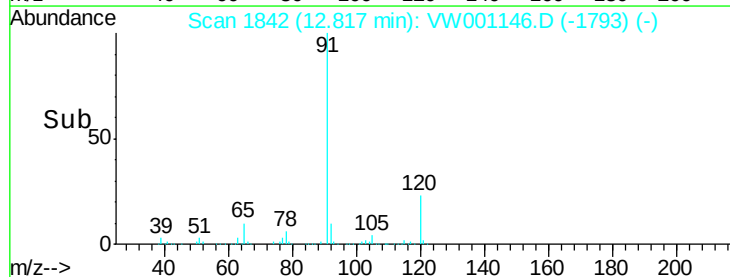
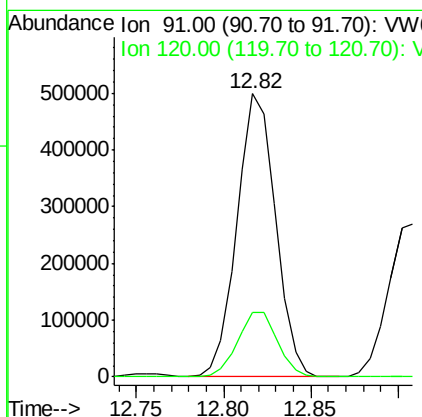
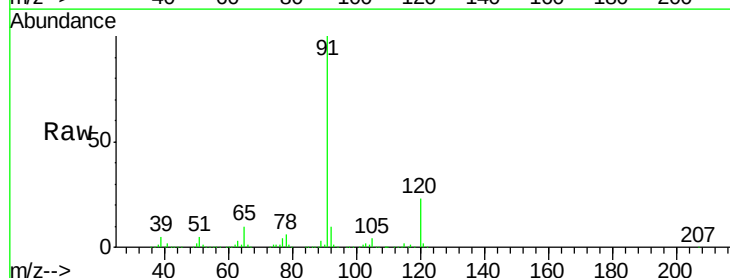
RT: 12.82 min Scan# 1842

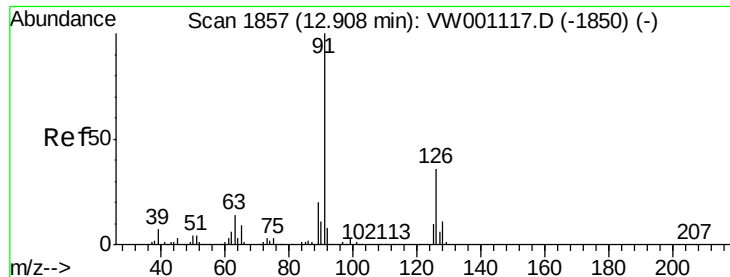
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	91	Resp:	765158
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.7





#79

2-Chlorotoluene

Concen: 48.46 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 437306

Ion Ratio Lower Upper

91 100

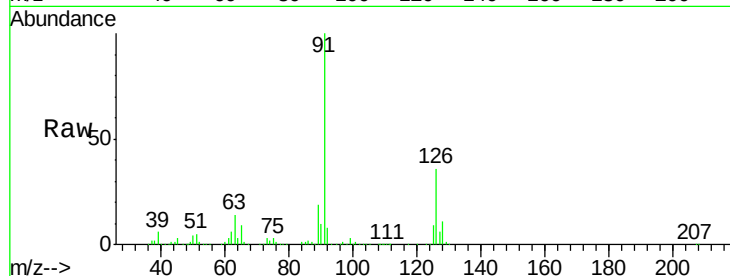
126 35.4 17.5 52.6

Manual Integrations

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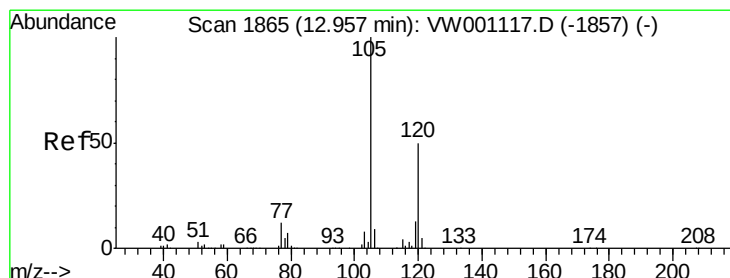
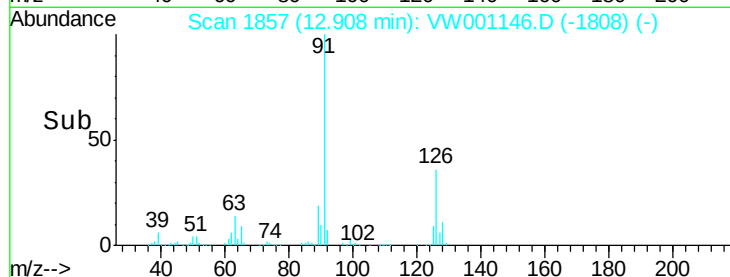
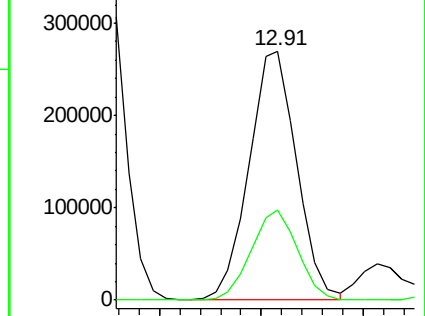
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.17 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW001146.D

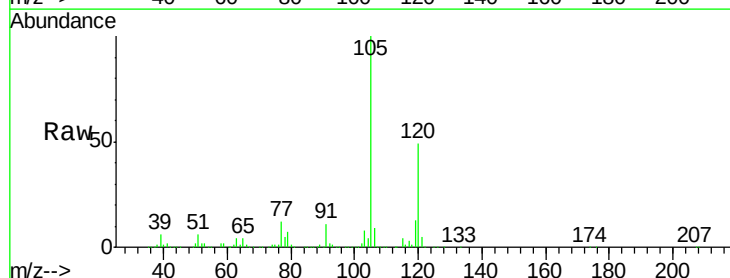
Acq: 30 Jan 2018 03:00

Tgt Ion: 105 Resp: 553755

Ion Ratio Lower Upper

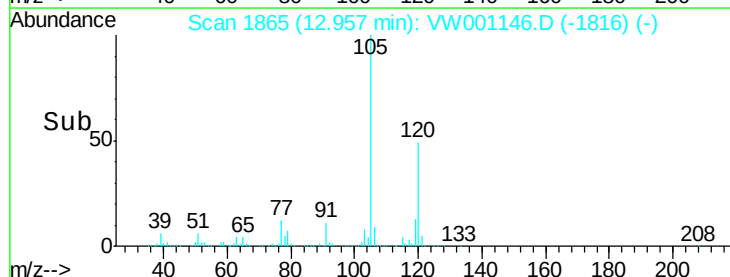
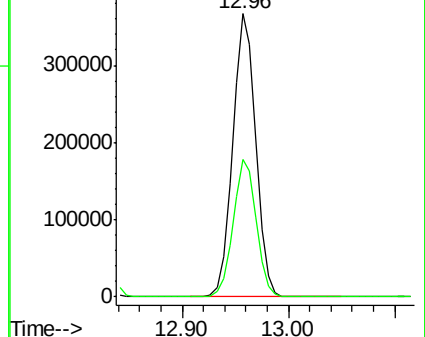
105 100

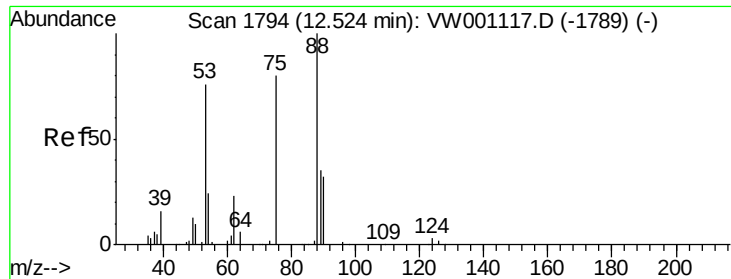
120 48.9 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.99 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

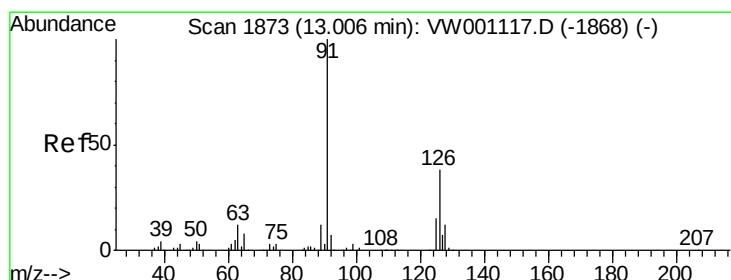
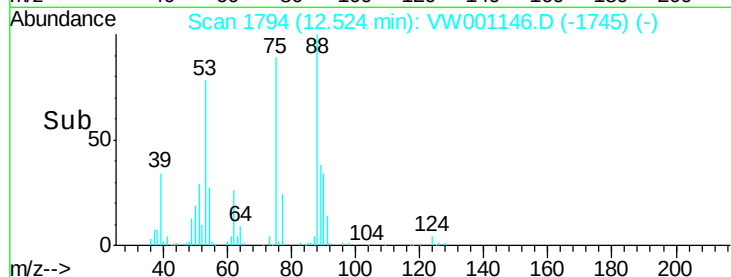
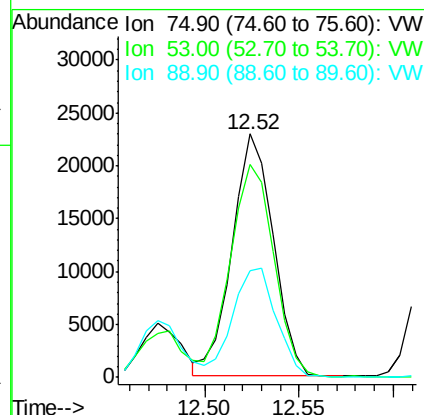
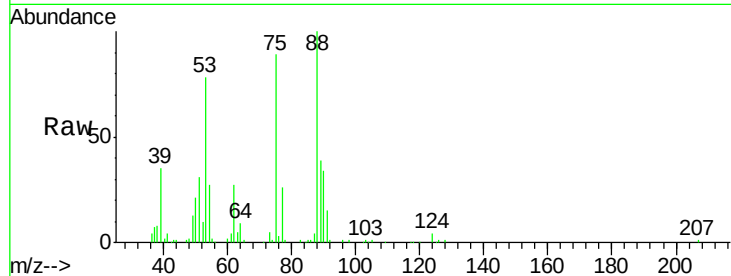
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	34841
Ion	Ratio	Lower	Upper
75	100		
53	91.3	75.0	112.6
89	47.5	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.75 ug/l

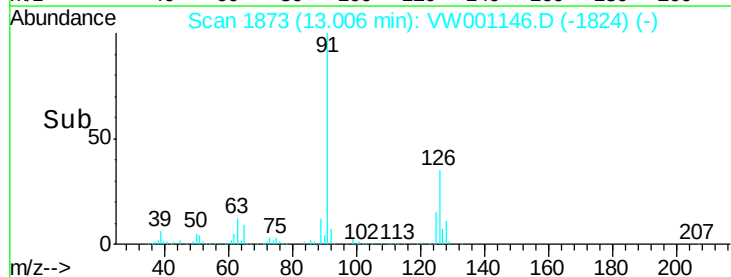
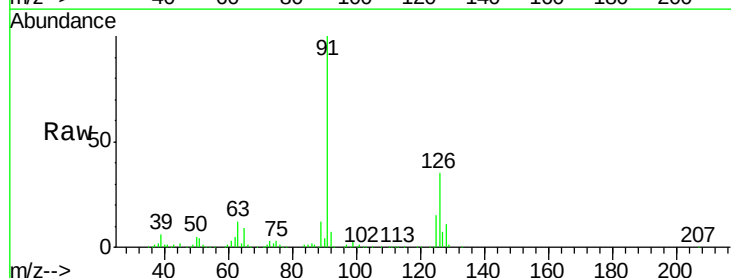
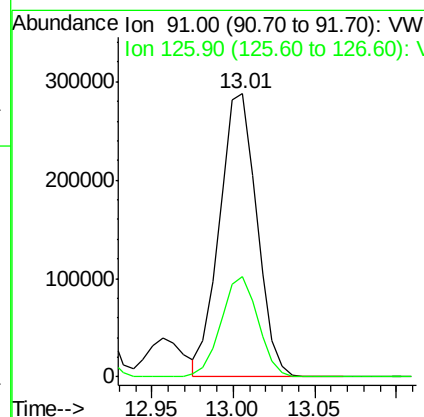
RT: 13.01 min Scan# 1873

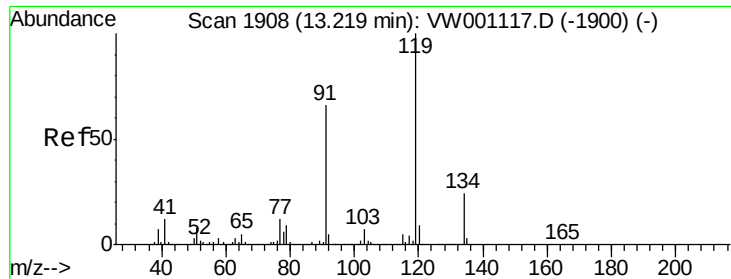
Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Tgt Ion:	91	Resp:	459372
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.4





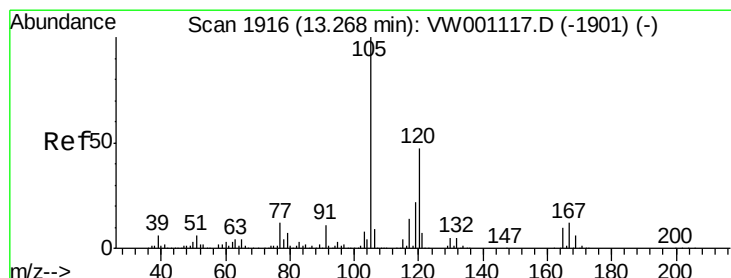
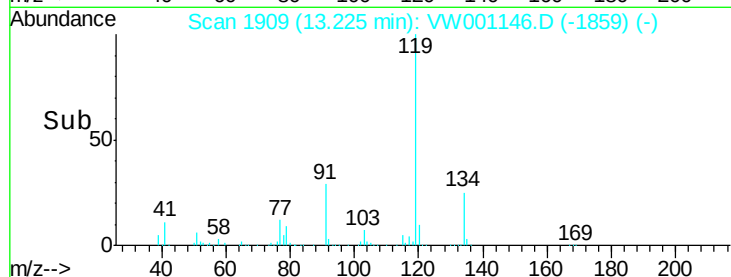
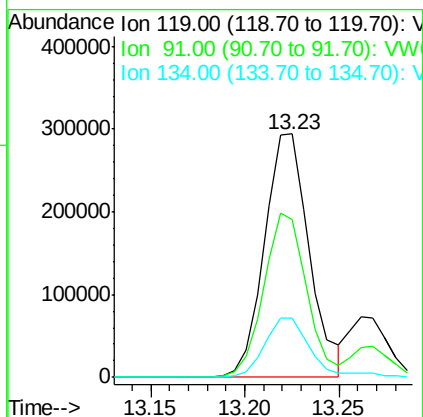
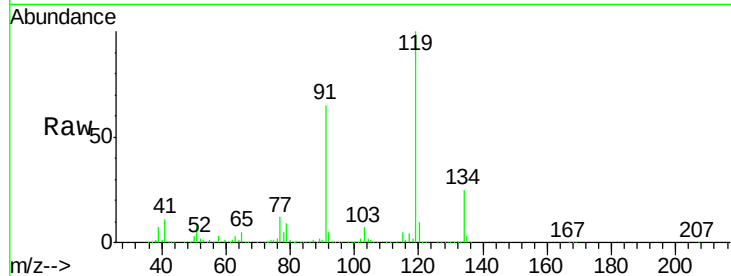
#83
 tert-Butylbenzene
 Concen: 48.73 ug/l
 RT: 13.23 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	484952		
91	64.7		31.9	95.5
134	25.3		12.7	38.0

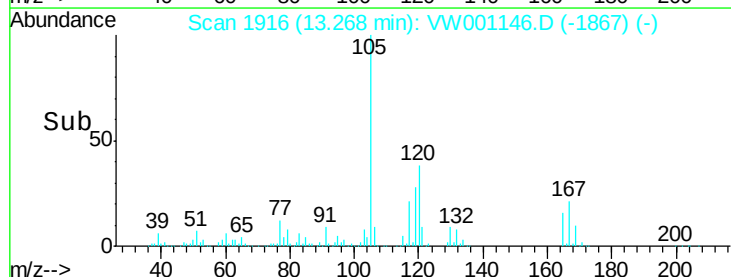
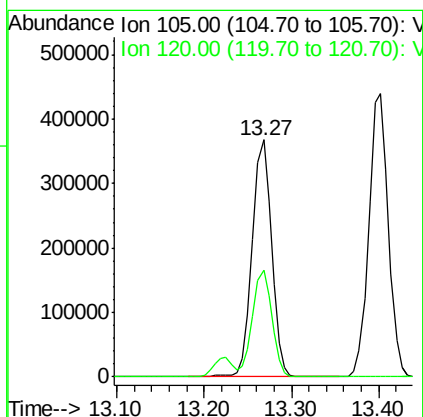
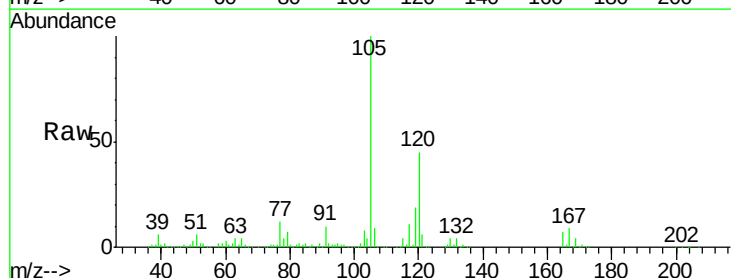
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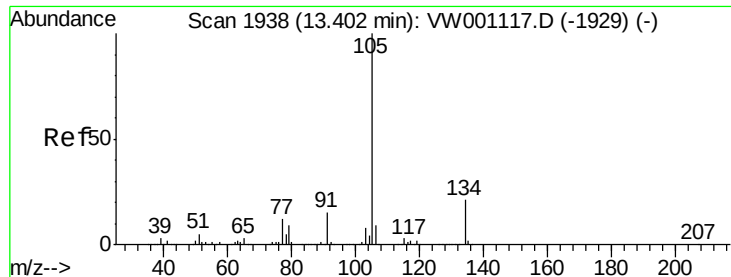
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.36 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565682		
120	45.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 48.52 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 682922

Ion Ratio Lower Upper

105 100

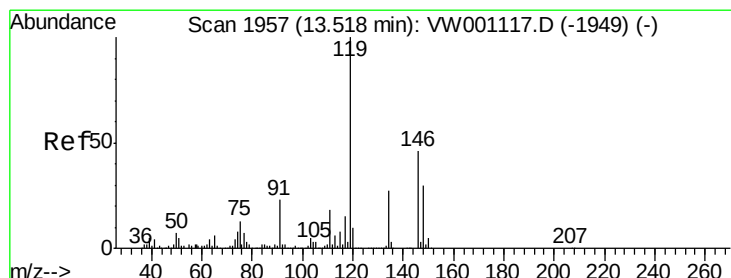
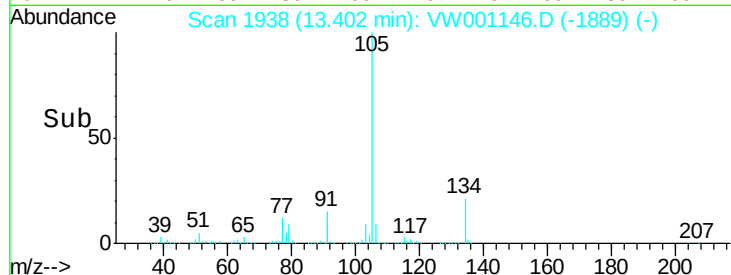
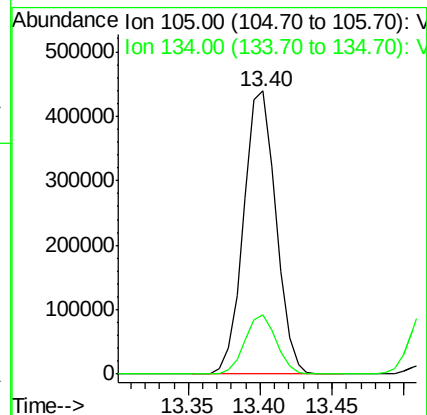
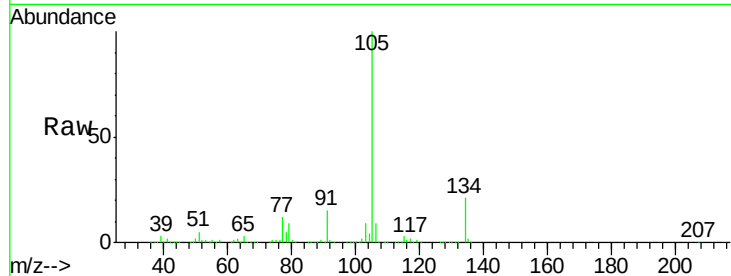
134 20.4 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.31 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VW001146.D

Acq: 30 Jan 2018 03:00

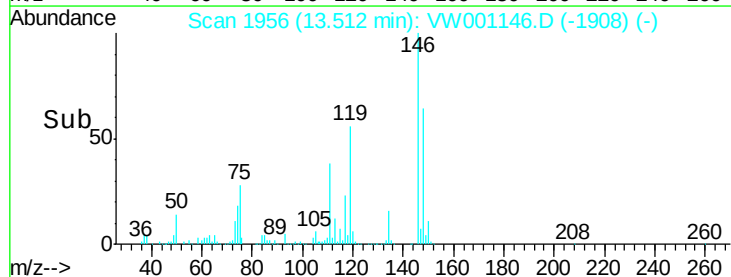
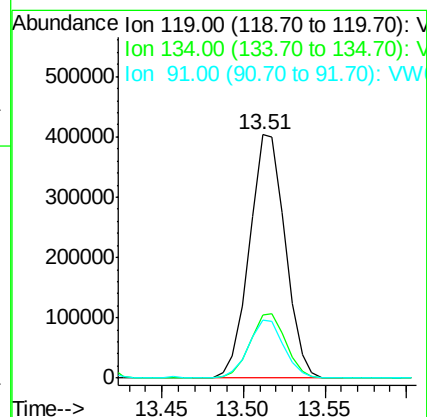
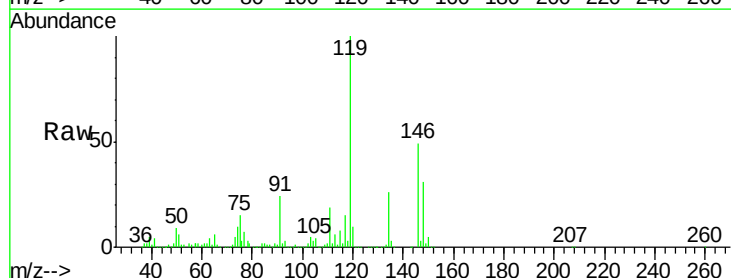
Tgt Ion:119 Resp: 617192

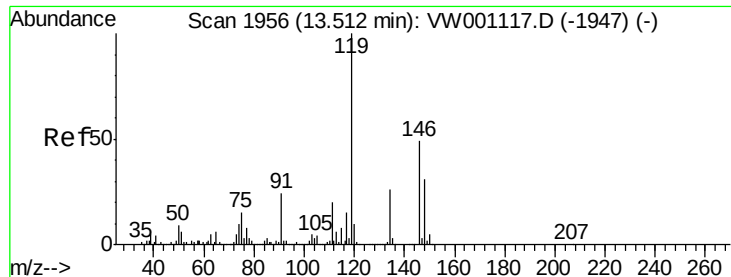
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 23.4 11.8 35.4





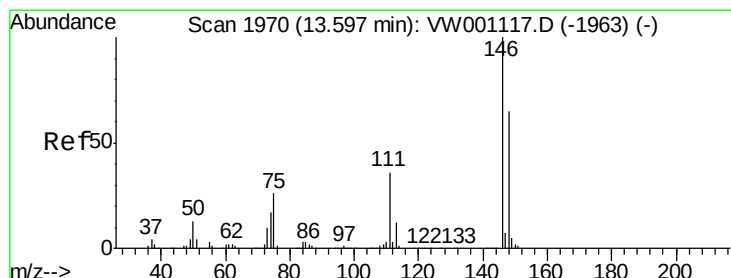
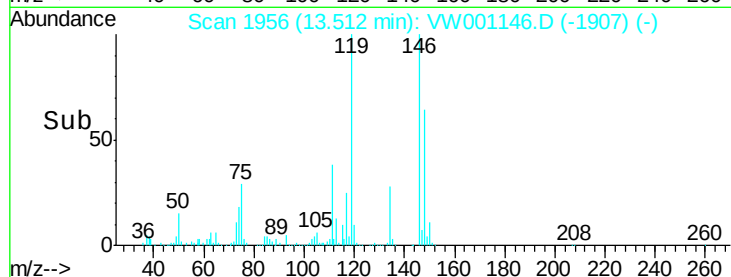
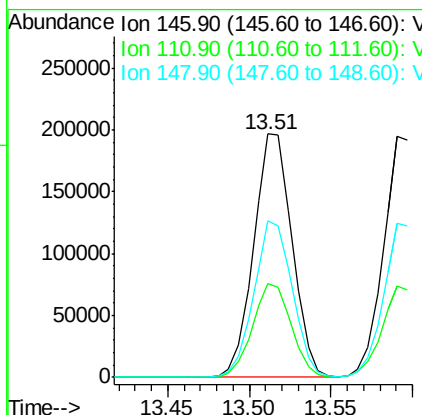
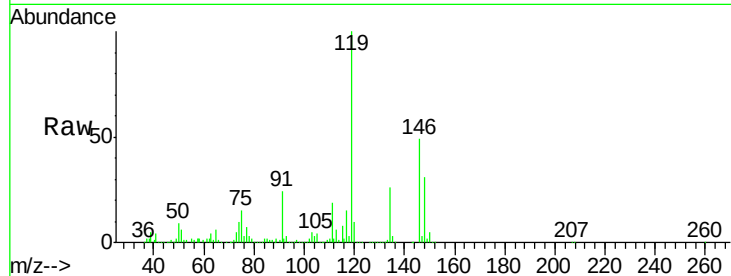
#87
 1,3-Dichlorobenzene
 Concen: 47.56 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	321025		
111	38.6	19.7	59.1	
148	64.1	31.9	95.5	

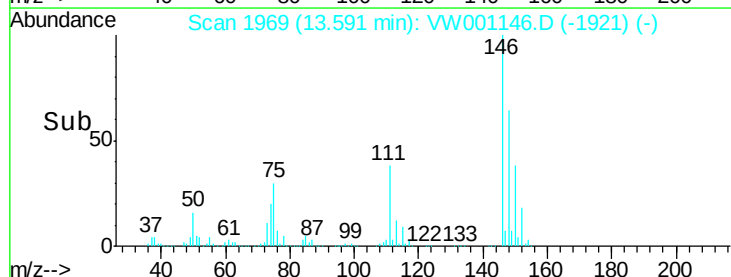
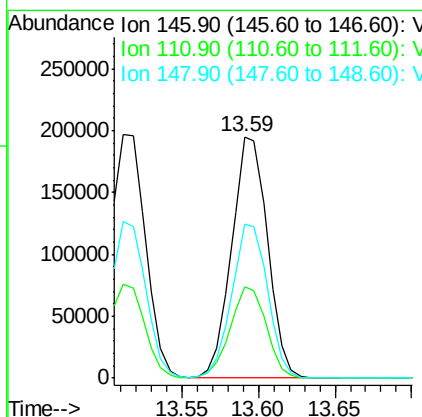
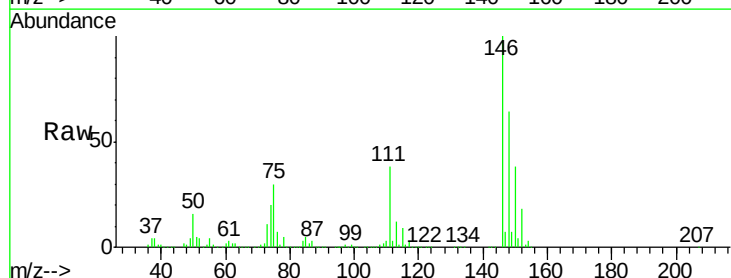
Manual Integrations
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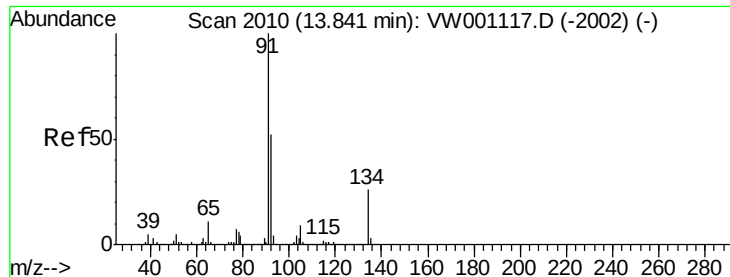
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#88
 1,4-Dichlorobenzene
 Concen: 46.78 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317318		
111	38.1	19.1	57.1	
148	64.0	32.5	97.5	





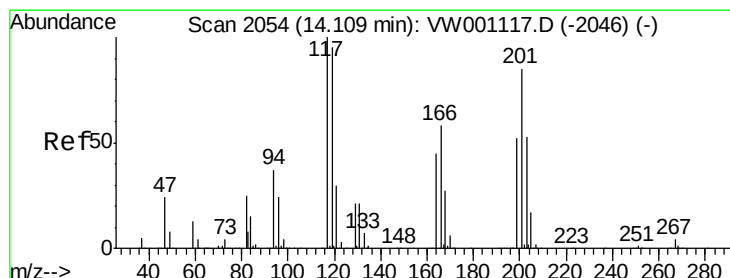
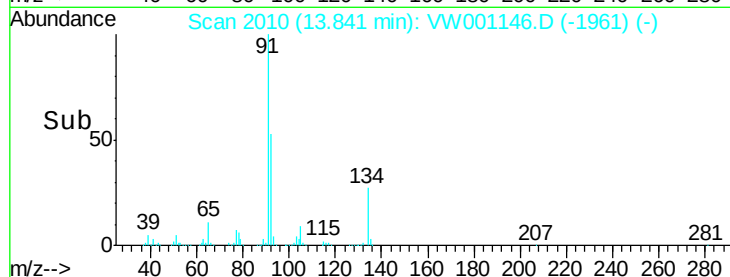
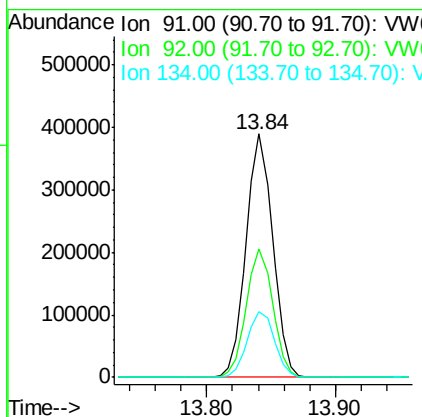
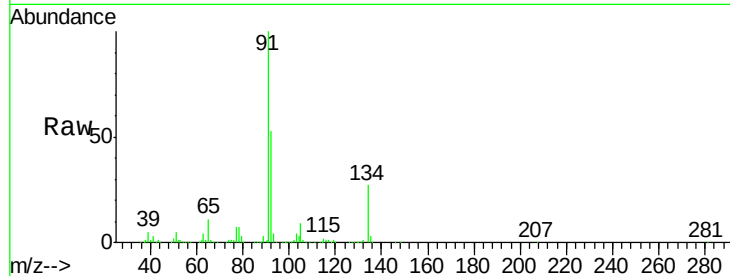
#89
n-Butylbenzene
Concen: 47.74 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	27.4	13.6	40.8

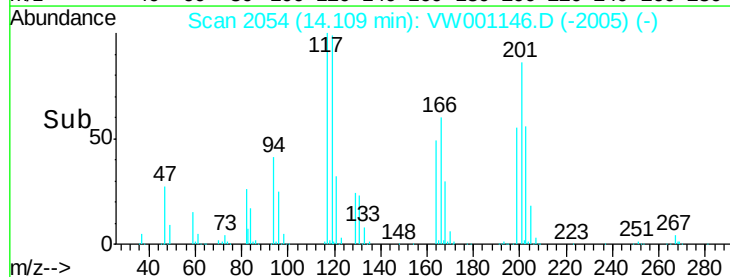
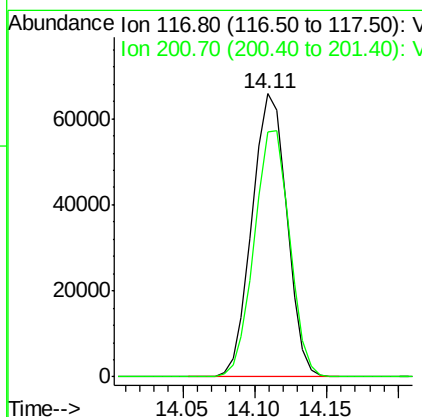
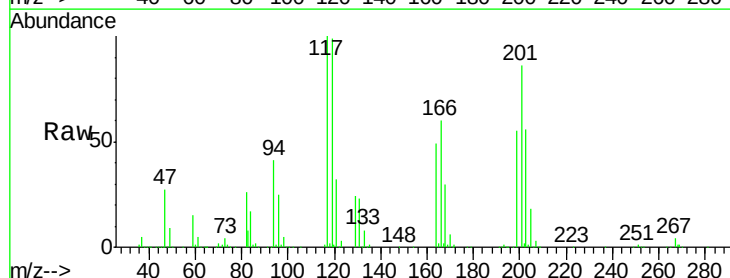
Manual Integrations
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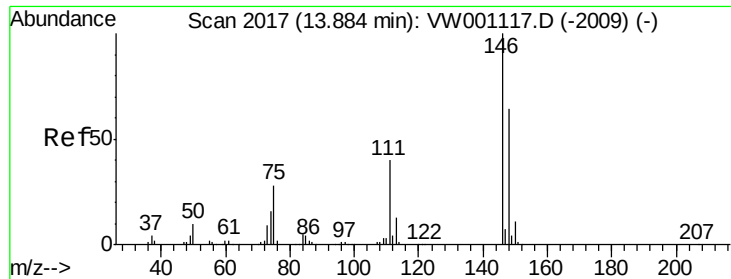
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#90
Hexachloroethane
Concen: 47.24 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	43.3	129.8





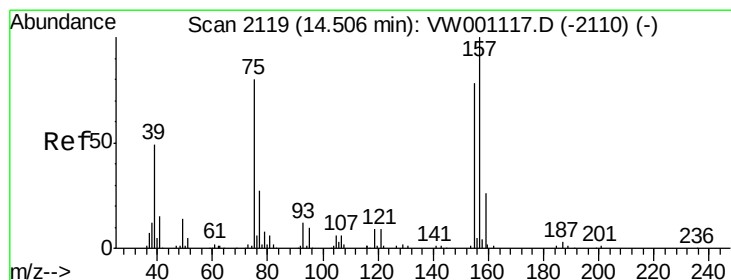
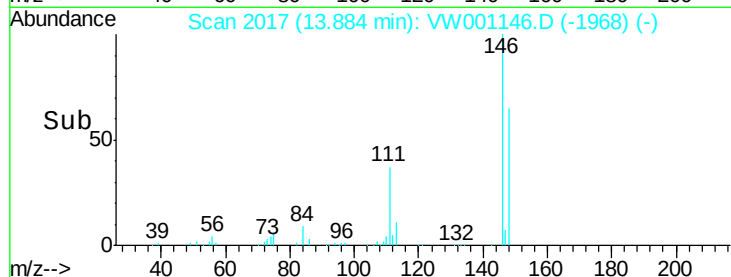
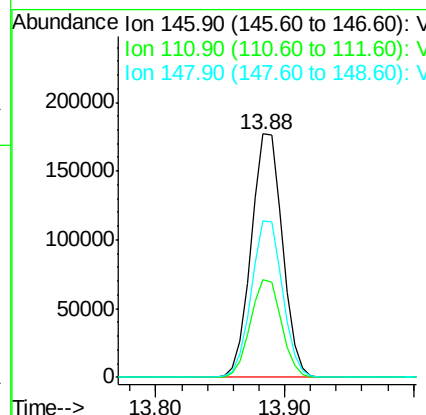
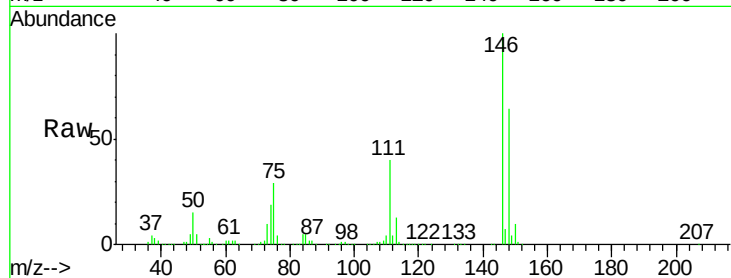
#91
 1,2-Dichlorobenzene
 Concen: 47.53 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.2
148	64.4	32.2	96.6

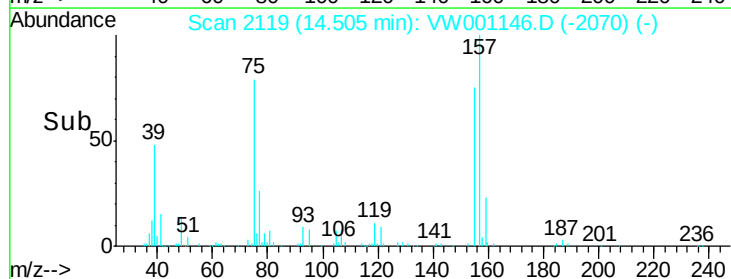
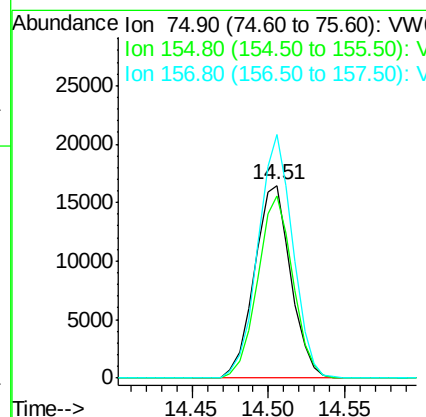
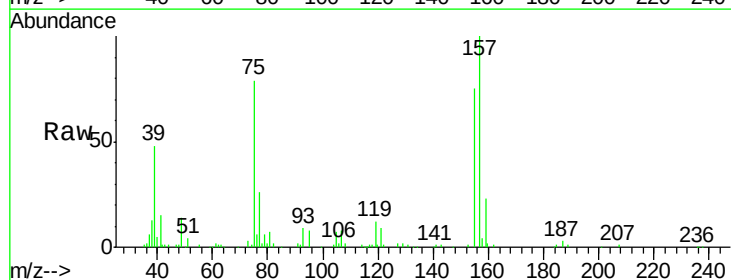
Manual Integrations
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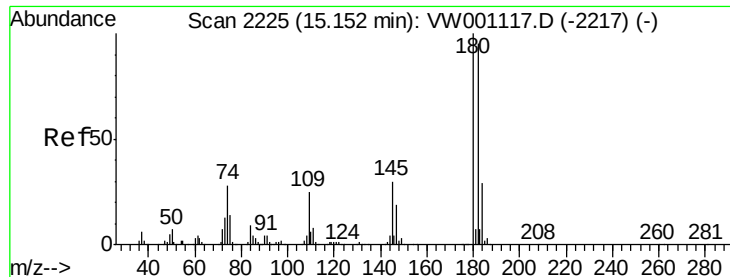
MMDadoda
 1/30/2018 5:46:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.07 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	46.3	138.9
157	120.9	60.0	180.0





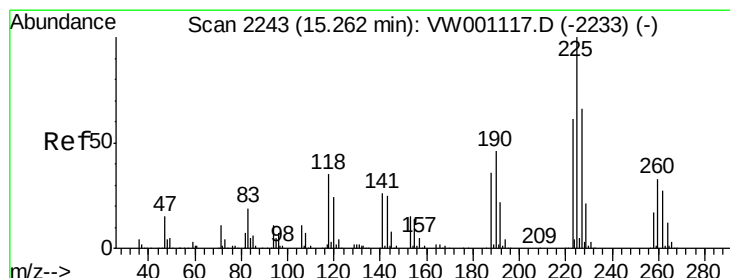
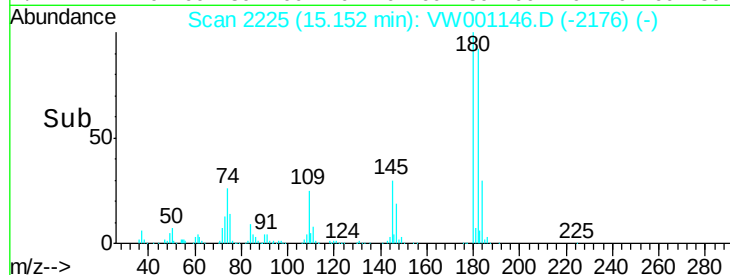
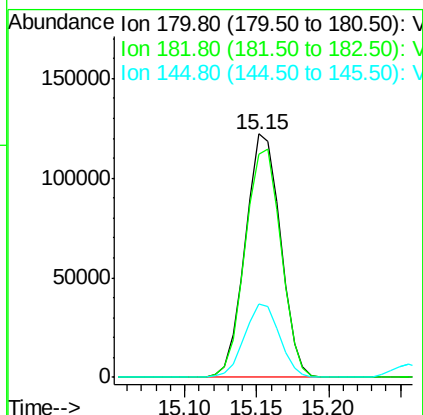
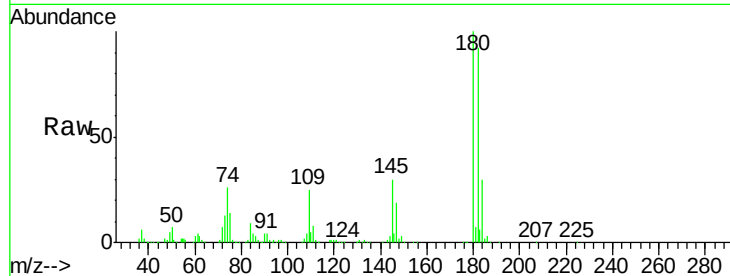
#93
 1,2,4-Trichlorobenzene
 Concen: 45.44 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206602		
182	95.7	47.6	142.9	
145	29.9	15.0	45.1	

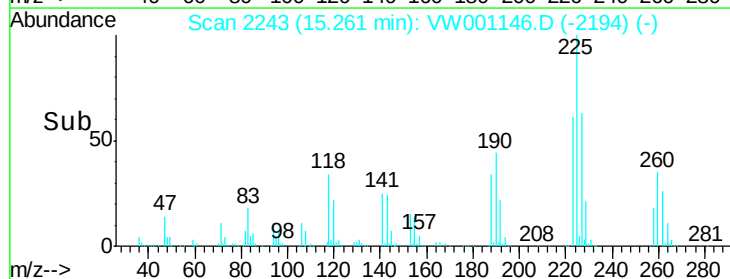
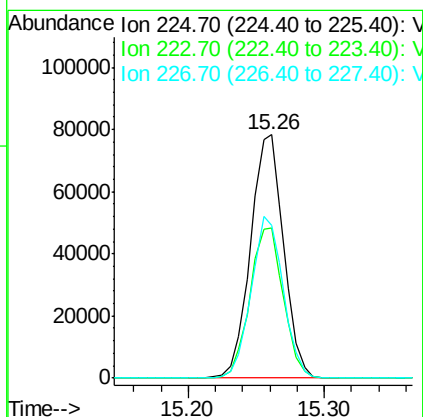
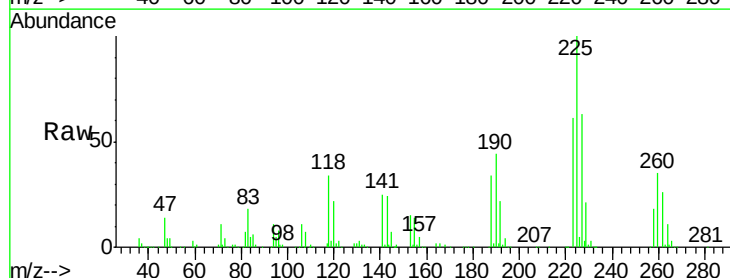
Manual Integrations
 APPROVED

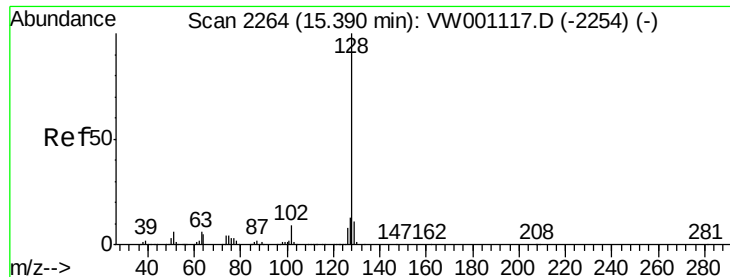
MMDadoda
 1/30/2018 5:46:59 PM



#94
 Hexachlorobutadiene
 Concen: 47.45 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: VW001146.D
 Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133416		
223	62.3	31.1	93.3	
227	64.2	32.6	97.8	





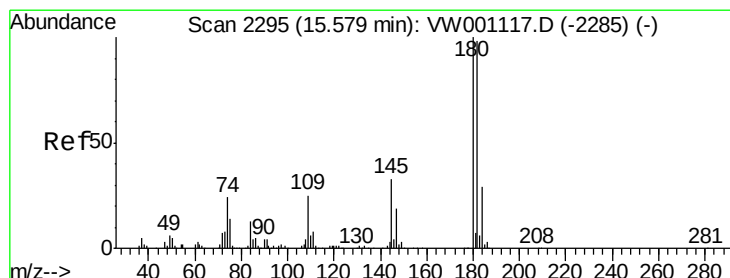
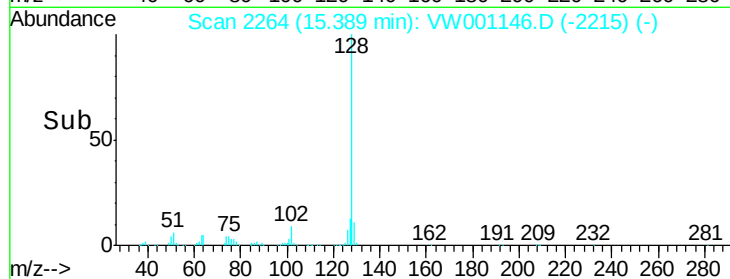
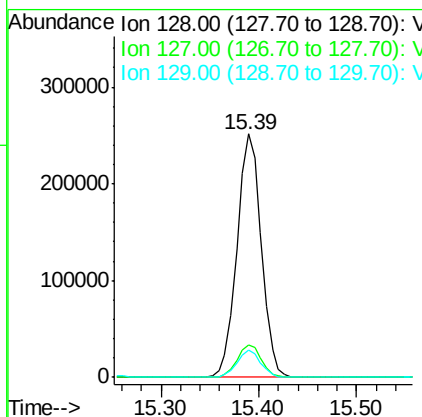
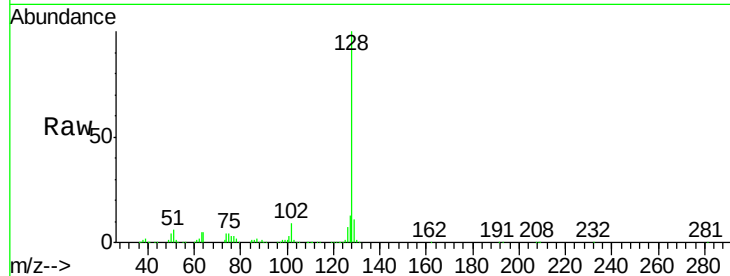
#95
Naphthalene
Concen: 48.14 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2018 5:46:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.71 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VW001146.D
Acq: 30 Jan 2018 03:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.7	146.1
145	32.0	16.0	47.9

