

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001115.D
 Acq On : 29 Jan 2018 12:29
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 1/30/2018 5:46:51 PM

Quant Time: Jan 30 00:56:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 00:46:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	447830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	231586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	30950	10.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.04%	
35) Dibromofluoromethane	7.88	113	29477	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	10.33	98	111246	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
62) 4-Bromofluorobenzene	12.63	95	41268	10.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	25998	9.65	ug/l	95
3) Chloromethane	2.22	50	22674	9.64	ug/l	96
4) Vinyl Chloride	2.36	62	23633	10.09	ug/l	94
5) Bromomethane	2.76	94	18707	8.67	ug/l	99
6) Chloroethane	2.91	64	14035	10.56	ug/l	98
7) Trichlorofluoromethane	3.26	101	44189	10.15	ug/l	97
8) Diethyl Ether	3.68	74	11415	10.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	29809	10.30	ug/l	98
10) Methyl Iodide	4.26	142	27485	8.99	ug/l	99
11) Tert butyl alcohol	5.20	59	12322	49.44	ug/l	98
12) 1,1-Dichloroethene	4.03	96	25216	9.97	ug/l	98
13) Acrolein	3.90	56	18234	45.73	ug/l	100
14) Allyl chloride	4.67	41	36406	9.63	ug/l	99
15) Acrylonitrile	5.38	53	36285	47.19	ug/l	100
16) Acetone	4.14	43	37449	46.10	ug/l	95
17) Carbon Disulfide	4.37	76	77592	9.88	ug/l	99
18) Methyl Acetate	4.68	43	18035	9.19	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	62101	9.49	ug/l	98
20) Methylene Chloride	4.91	84	32081	9.97	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	28429	10.06	ug/l	97
22) Diisopropyl ether	6.32	45	72387	10.00	ug/l	95
23) Vinyl Acetate	6.26	43	213372	49.19	ug/l	100
24) 1,1-Dichloroethane	6.21	63	47025	9.95	ug/l	98
25) 2-Butanone	7.18	43	49427	46.35	ug/l	98
26) 2,2-Dichloropropane	7.17	77	47286	10.12	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	29661	9.84	ug/l	97
28) Bromochloromethane	7.51	49	19024	9.91	ug/l	96
29) Tetrahydrofuran	7.54	42	27373	44.95	ug/l	99
30) Chloroform	7.68	83	53220	10.40	ug/l	95
31) Cyclohexane	7.95	56	46635	10.17	ug/l	# 87
32) 1,1,1-Trichloroethane	7.87	97	49126	10.14	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40461	10.01	ug/l	99
37) Ethyl Acetate	7.26	43	20129	9.42	ug/l	97
38) Carbon Tetrachloride	8.07	117	44780	9.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	43901	9.20	ug/l	99
40) Benzene	8.32	78	113206	10.11	ug/l	100
41) Methacrylonitrile	7.49	41	10581	8.92	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	35770	10.16	ug/l	100
43) Isopropyl Acetate	8.43	43	34646	9.42	ug/l	99
44) Trichloroethene	9.09	130	33326	9.92	ug/l	94
45) 1,2-Dichloropropane	9.38	63	27296	10.13	ug/l	97
46) Dibromomethane	9.46	93	16657	9.88	ug/l	100
47) Bromodichloromethane	9.65	83	37524	9.84	ug/l	97
48) Methyl methacrylate	9.45	41	15873	9.03	ug/l	98
49) 1,4-Dioxane	9.45	88	5516	183.64	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	92710	46.14	ug/l	98
52) Toluene	10.40	92	71829	9.99	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	36701	9.54	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	42241	9.83	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	24044	10.01	ug/l	97
56) Ethyl methacrylate	10.66	69	24702	8.77	ug/l	97
57) 1,3-Dichloropropane	10.94	76	38396	9.83	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	60276	52.58	ug/l	99
59) 2-Hexanone	10.98	43	67967	44.71	ug/l	100
60) Dibromochloromethane	11.14	129	28680	9.79	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23833	9.84	ug/l	99
64) Tetrachloroethene	10.87	164	34255	10.22	ug/l	98
65) Chlorobenzene	11.67	112	85150	10.13	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	30368	9.90	ug/l	99
67) Ethyl Benzene	11.74	91	135427	9.65	ug/l	95
68) m/p-Xylenes	11.85	106	108349	19.82	ug/l	98
69) o-Xylene	12.18	106	48727	9.67	ug/l	99
70) Styrene	12.19	104	79201	9.56	ug/l	98
71) Bromoform	12.36	173	18771	9.47	ug/l #	100
73) Isopropylbenzene	12.48	105	137282	9.46	ug/l	100
74) N-amyl acetate	12.29	43	29980	9.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	27960	9.42	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24762m	8.77	ug/l	
77) Bromobenzene	12.76	156	36416	9.67	ug/l	96
78) n-propylbenzene	12.82	91	166552	9.59	ug/l	100
79) 2-Chlorotoluene	12.91	91	96298	9.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	119126	9.60	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	7882	8.83	ug/l	95
82) 4-Chlorotoluene	13.01	91	105150	9.92	ug/l	97
83) tert-Butylbenzene	13.22	119	102369	9.34	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	120292	9.53	ug/l	99
85) sec-Butylbenzene	13.40	105	147327	9.50	ug/l	99
86) p-Isopropyltoluene	13.52	119	130249	9.45	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	74265	9.99	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	74569	9.98	ug/l	97
89) n-Butylbenzene	13.84	91	120543	9.39	ug/l	99
90) Hexachloroethane	14.11	117	24370	9.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	68428	10.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5323	8.89	ug/l	97

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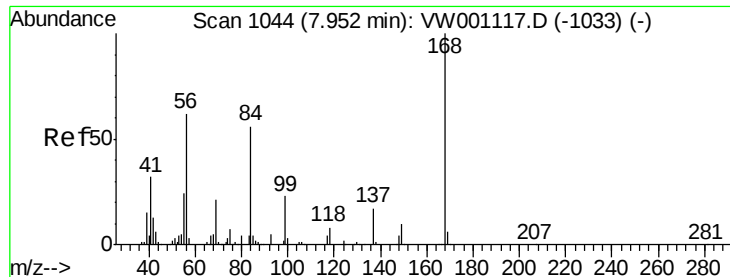
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47528	9.49	ug/l	99
94) Hexachlorobutadiene	15.26	225	29529	9.53	ug/l	97
95) Naphthalene	15.39	128	86543	8.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	44736	9.69	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 317821

Ion Ratio Lower Upper

168 100

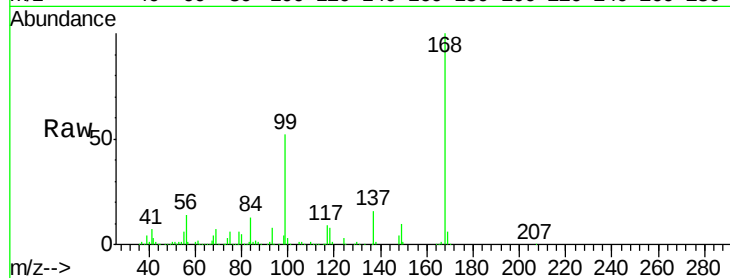
99 52.4 42.4 63.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

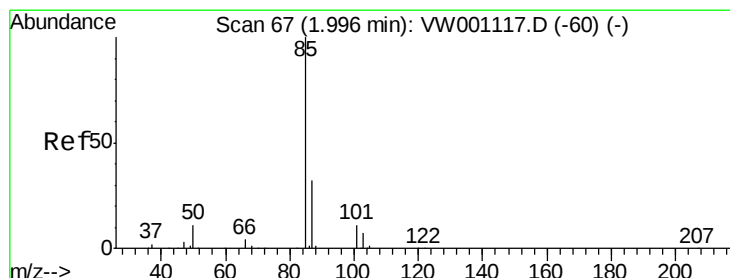
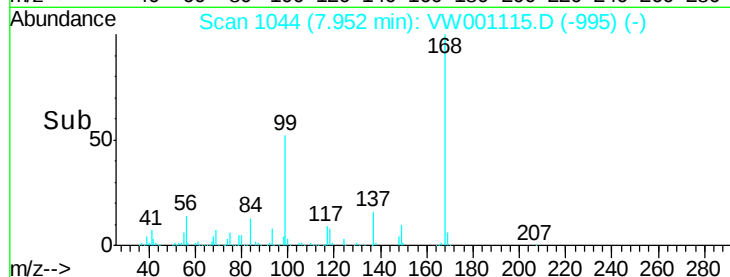
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 9.65 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW001115.D

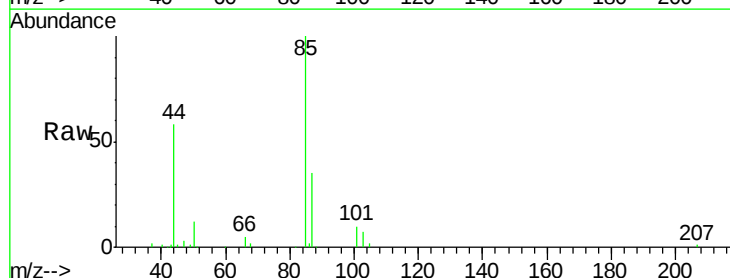
Acq: 29 Jan 2018 12:29

Tgt Ion: 85 Resp: 25998

Ion Ratio Lower Upper

85 100

87 35.2 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

20000

15000

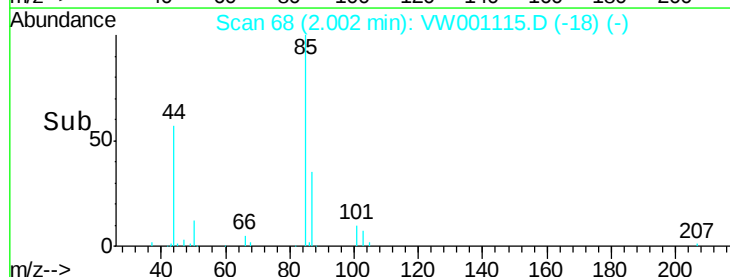
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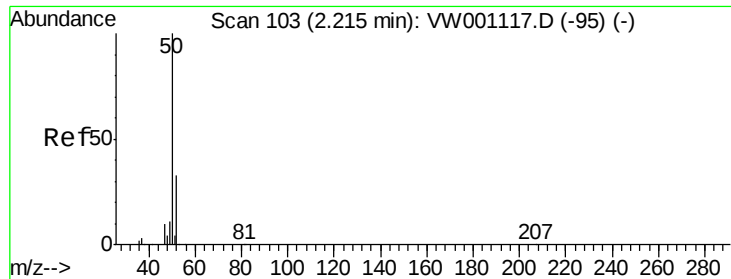
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 9.64 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 22674

Ion Ratio Lower Upper

50 100

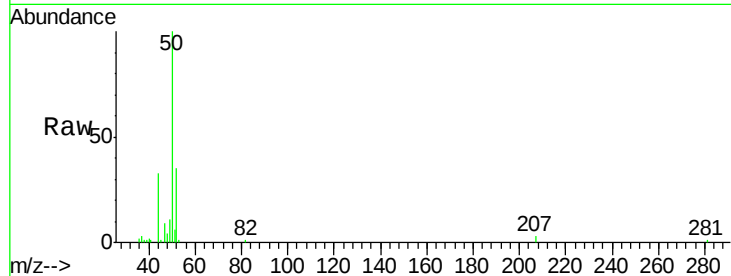
52 35.0 26.2 39.4

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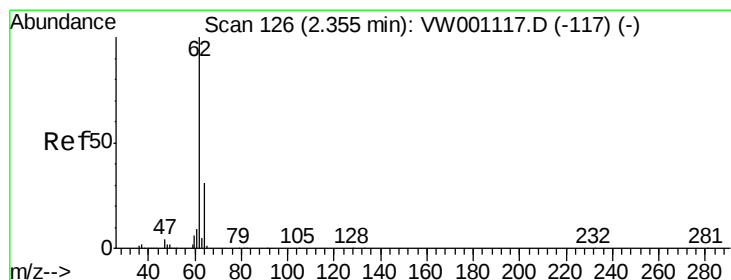
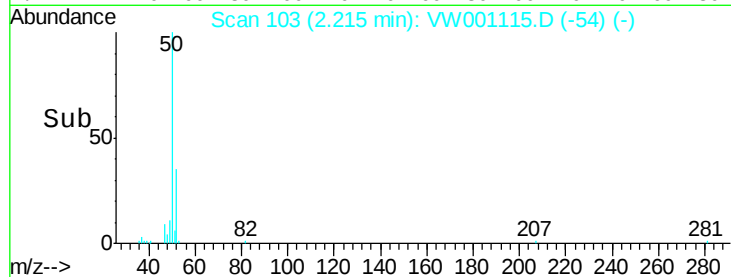
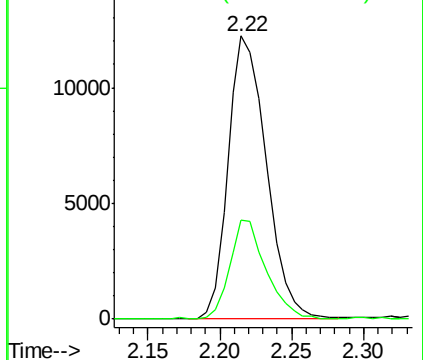
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.09 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW001115.D

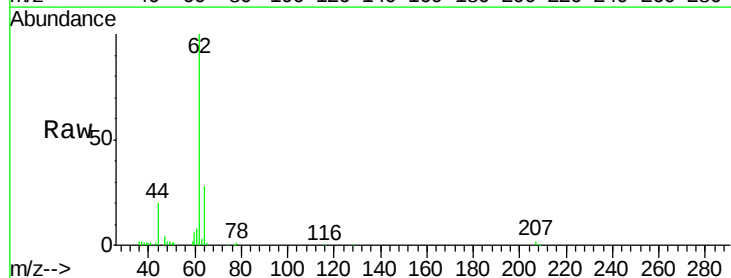
Acq: 29 Jan 2018 12:29

Tgt Ion: 62 Resp: 23633

Ion Ratio Lower Upper

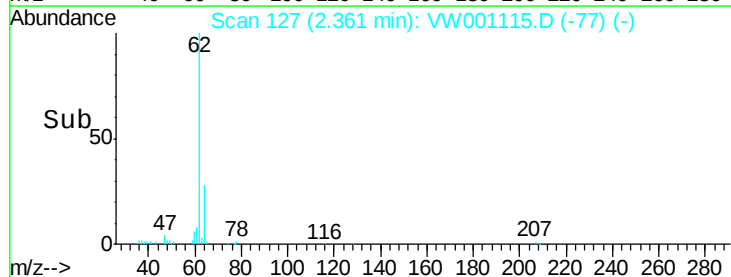
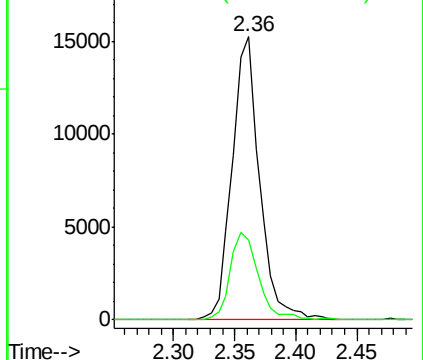
62 100

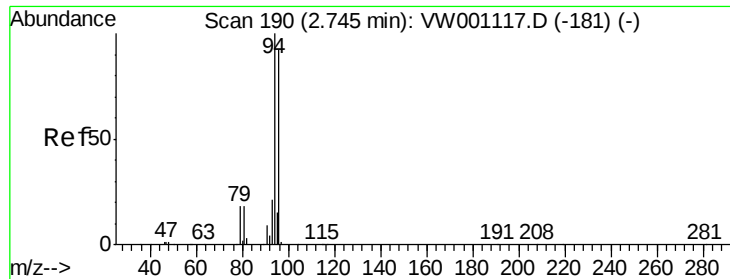
64 28.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 8.67 ug/l

RT: 2.76 min Scan# 192

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 18707

Ion Ratio Lower Upper

94 100

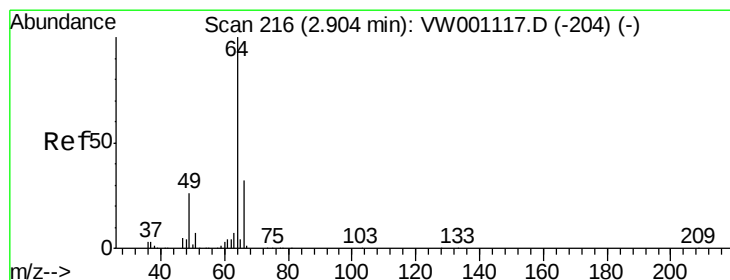
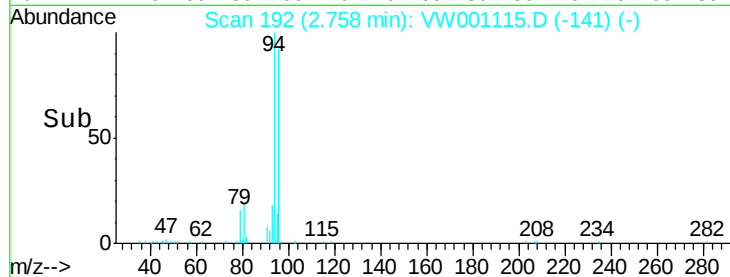
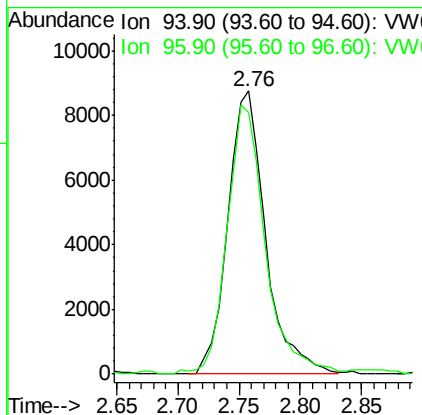
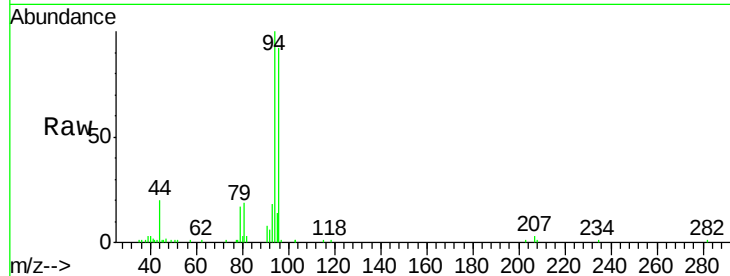
96 91.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 10.56 ug/l

RT: 2.91 min Scan# 217

Delta R.T. 0.01 min

Lab File: VW001115.D

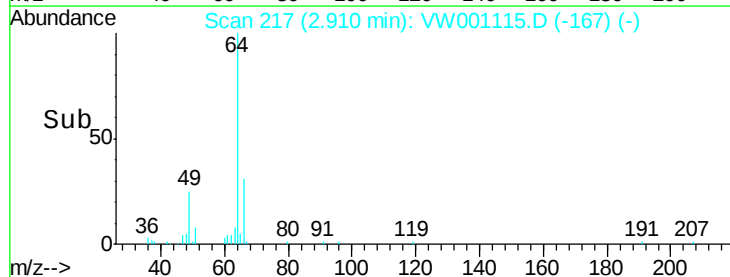
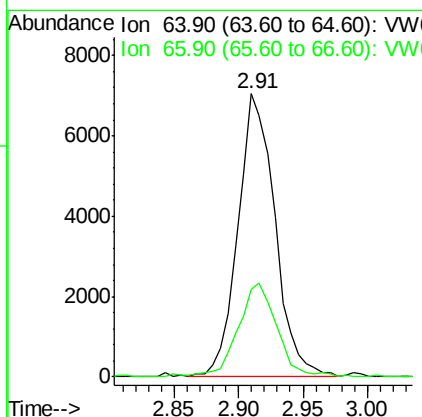
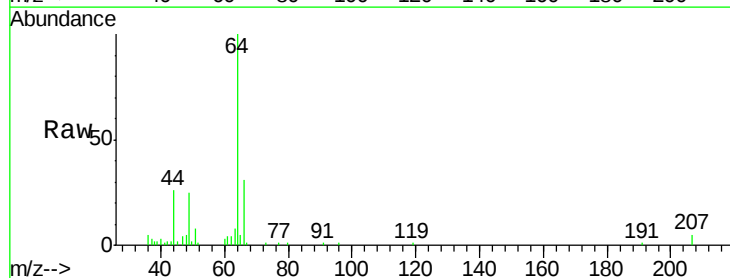
Acq: 29 Jan 2018 12:29

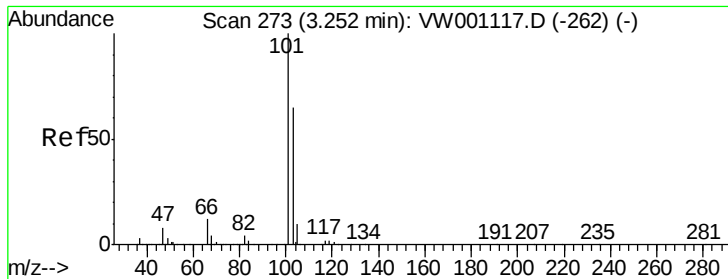
Tgt Ion: 64 Resp: 14035

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.8





#7

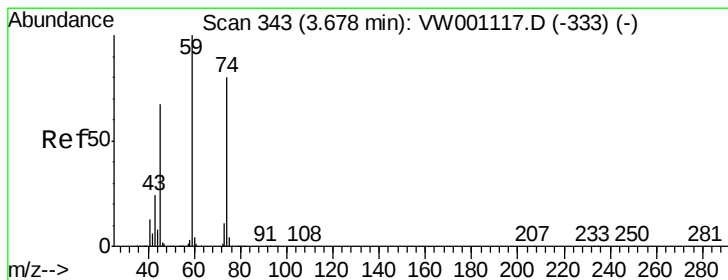
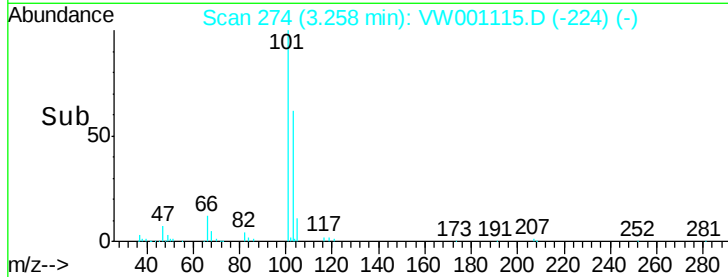
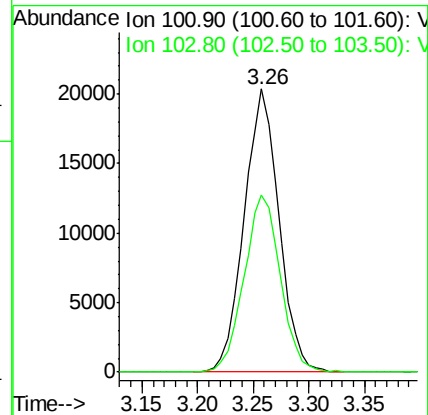
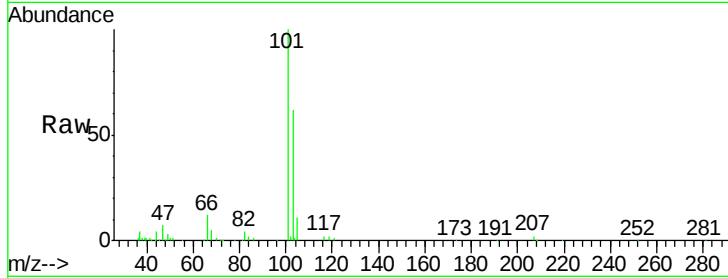
Trichlorofluoromethane
Concen: 10.15 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.9	77.9

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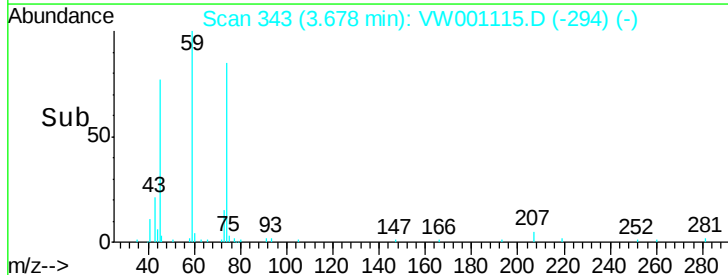
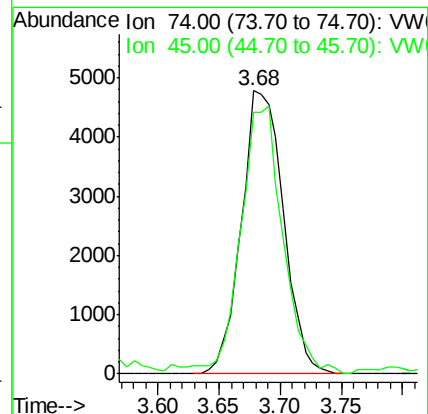
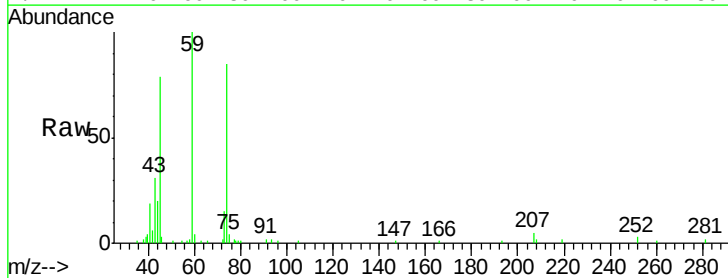
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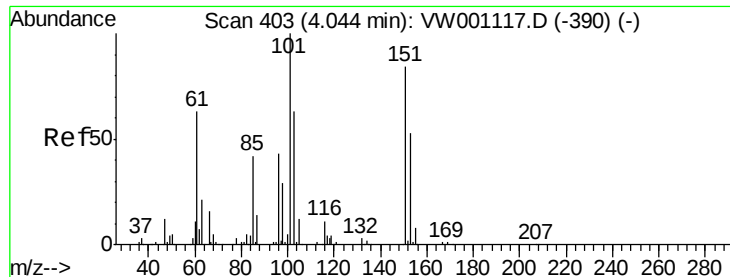


#8

Diethyl Ether
Concen: 10.08 ug/l
RT: 3.68 min Scan# 343
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.30 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

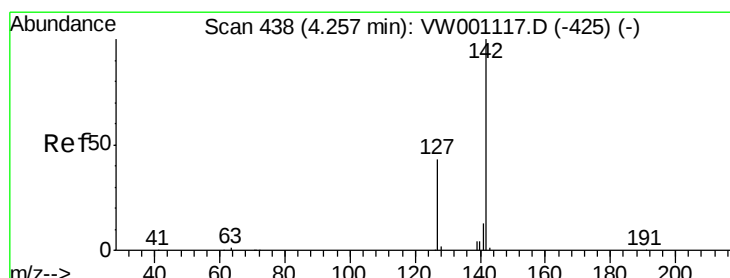
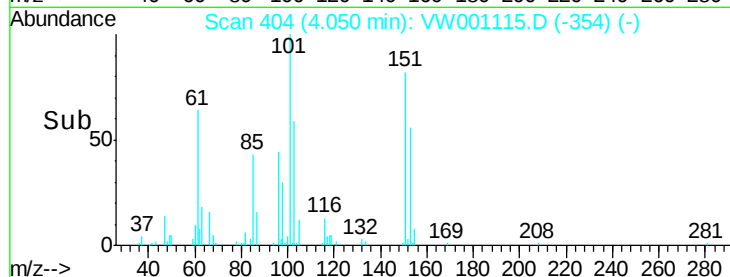
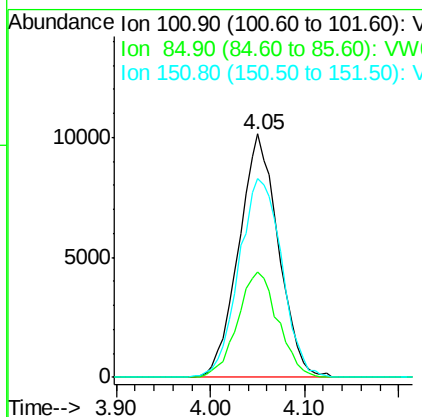
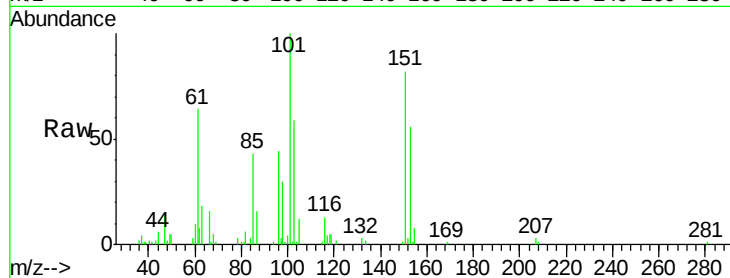
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	29809
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	88.6	68.6	103.0

Manual Integrations
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1/30/2018 5:46:51 PM



#10

Methyl Iodide

Concen: 8.99 ug/l

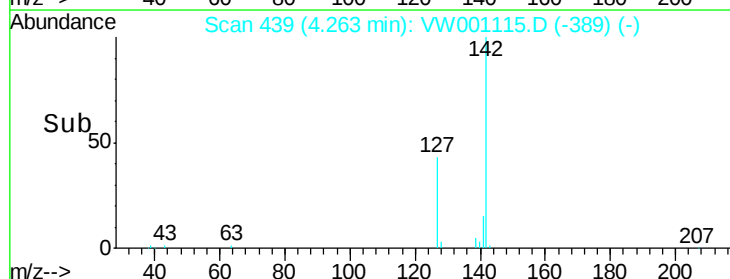
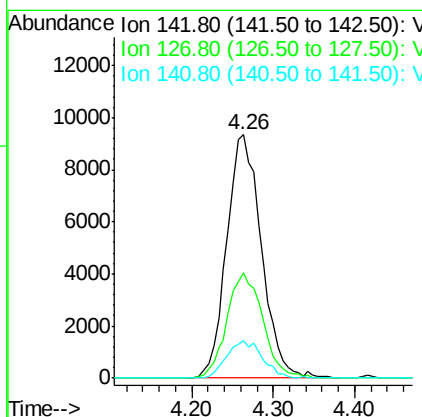
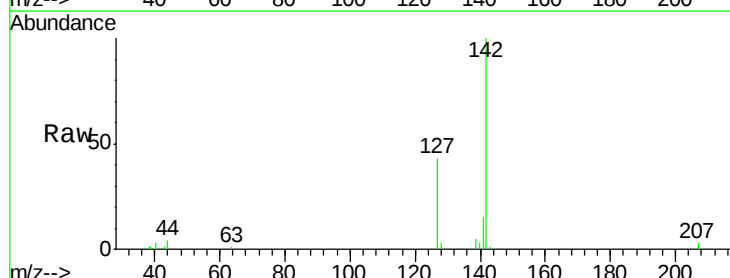
RT: 4.26 min Scan# 439

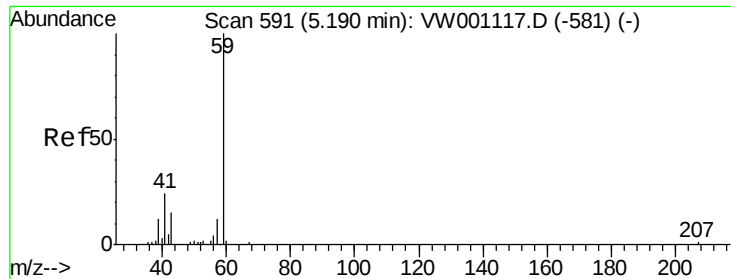
Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	142	Resp:	27485
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.4	53.2
141	15.6	11.6	17.4





#11

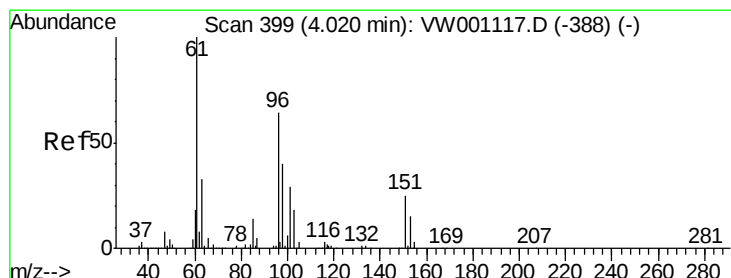
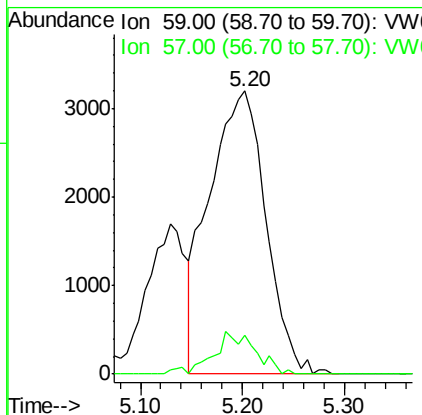
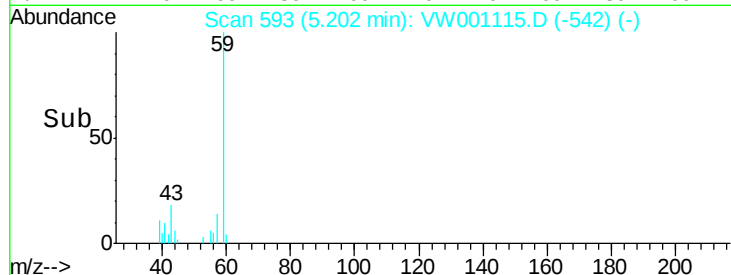
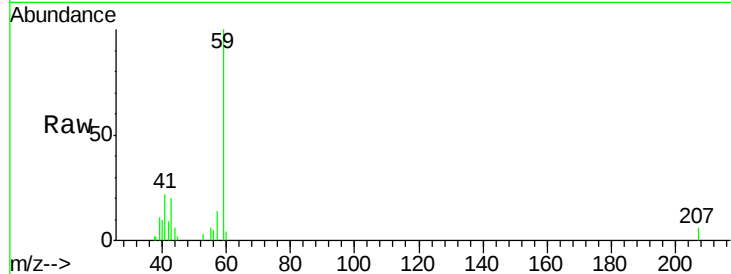
Tert butyl alcohol
Concen: 49.44 ug/l
RT: 5.20 min Scan# 593
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.8

Manual Integrations
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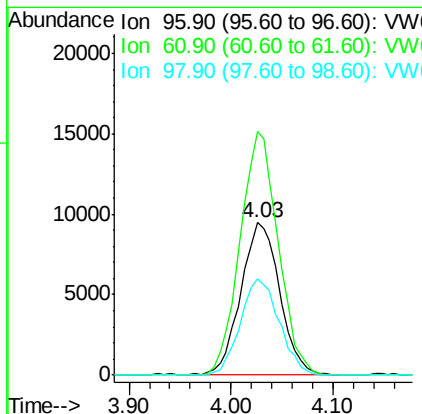
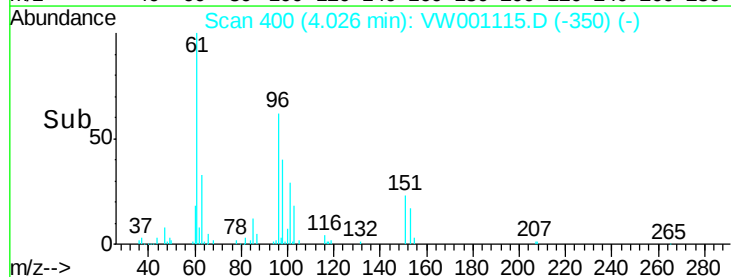
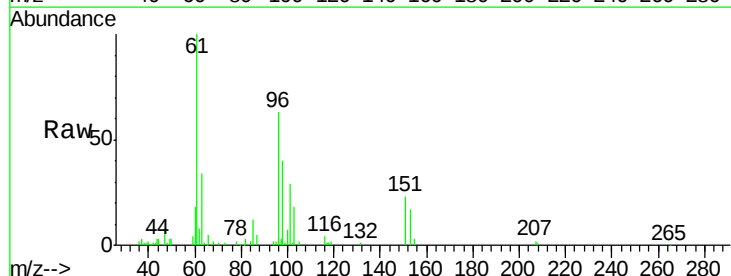
MMDadoda
1/30/2018 5:46:51 PM

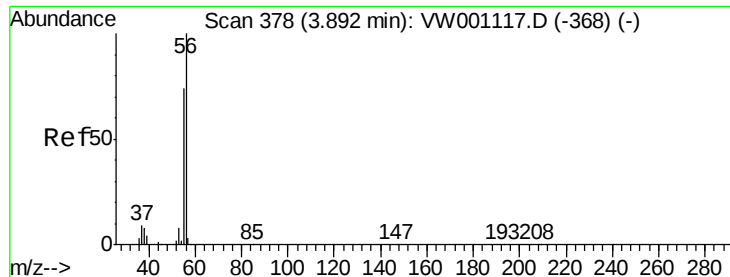


#12

1,1-Dichloroethene
Concen: 9.97 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	125.2	187.8
98	63.5	50.3	75.5





#13

Acrolein

Concen: 45.73 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 18234

Ion Ratio Lower Upper

56 100

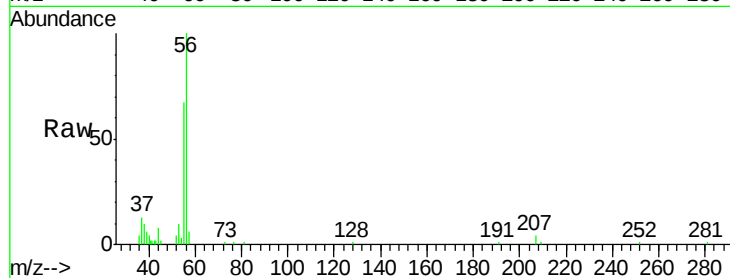
55 73.0 58.2 87.4

Manual Integrations

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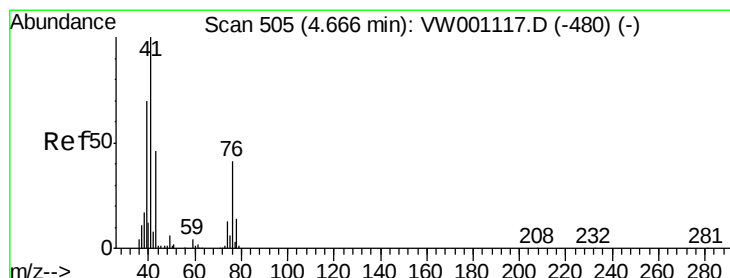
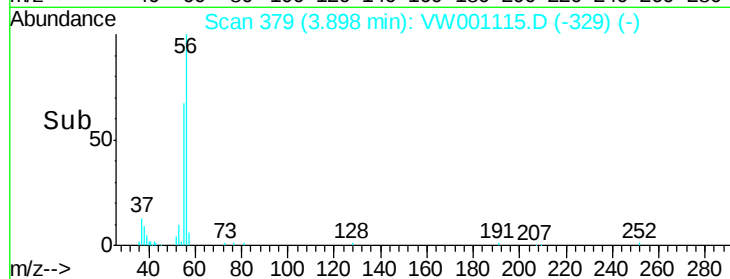
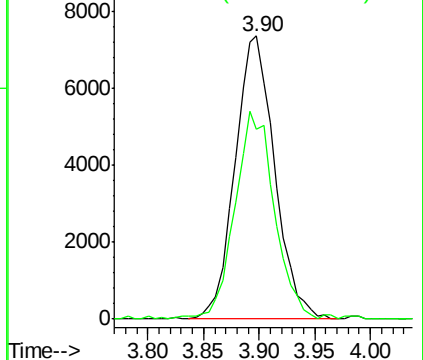
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.63 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

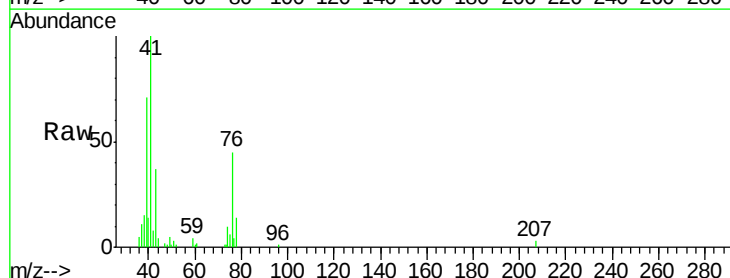
Tgt Ion: 41 Resp: 36406

Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

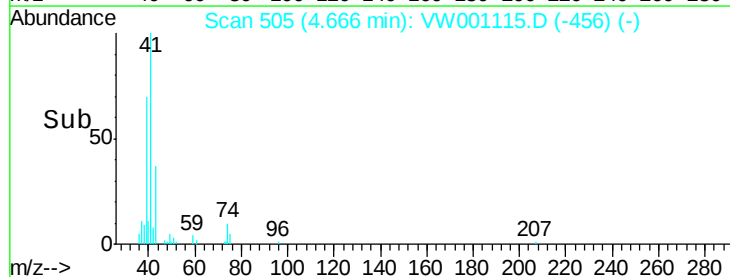
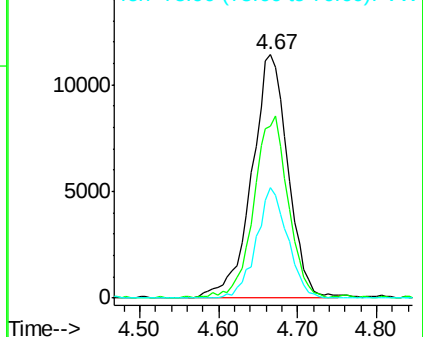
76 39.1 31.0 46.6

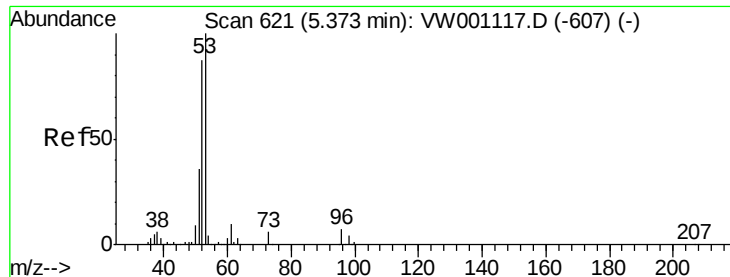


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 47.19 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

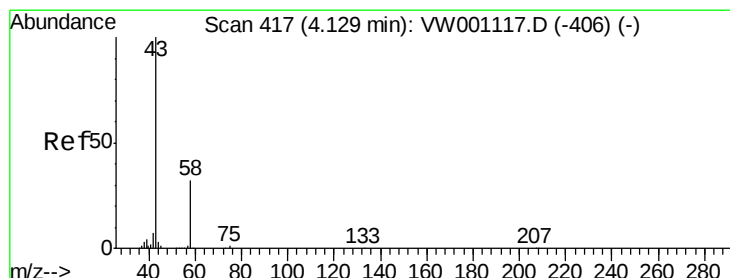
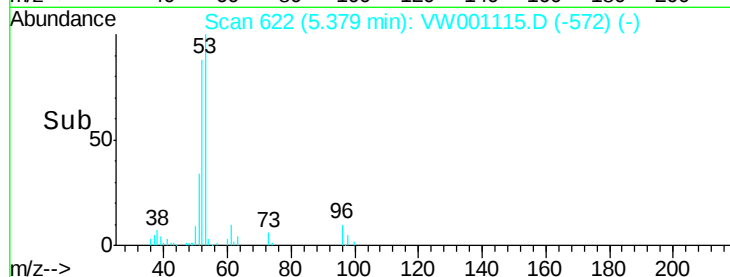
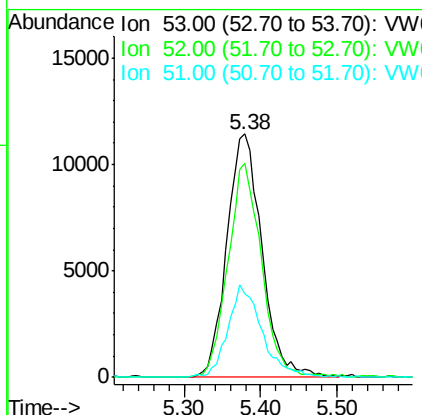
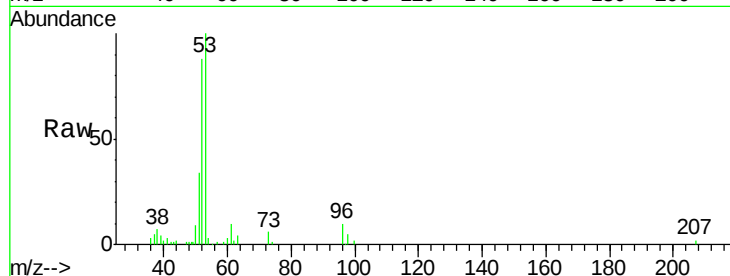
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	36285
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.9	100.3
51	37.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 46.10 ug/l

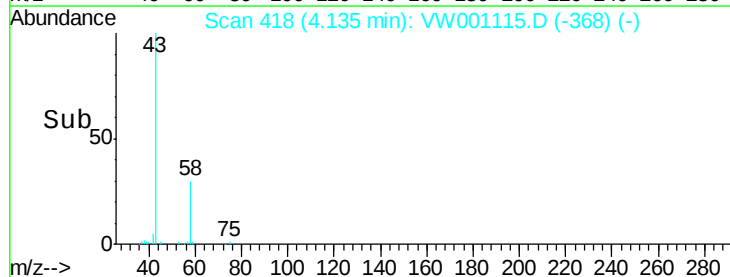
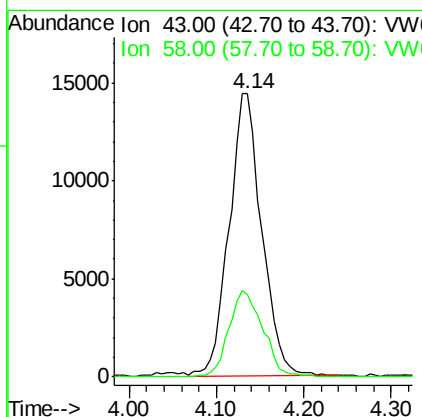
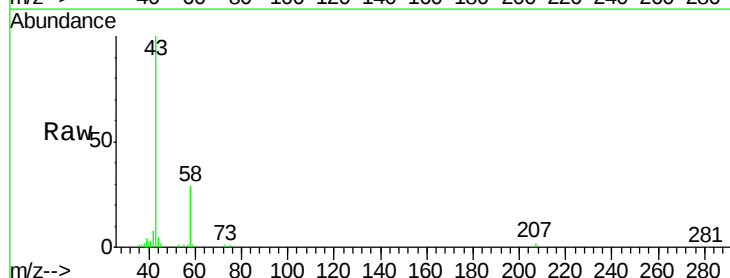
RT: 4.14 min Scan# 418

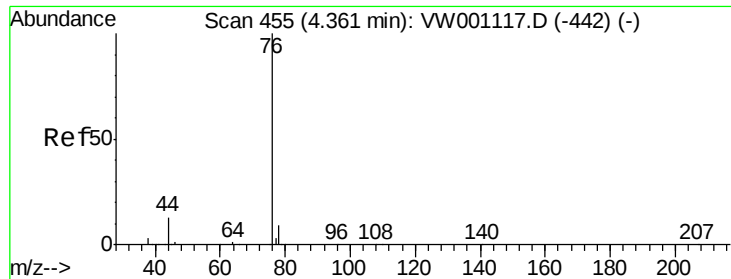
Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	43	Resp:	37449
Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.7	38.5





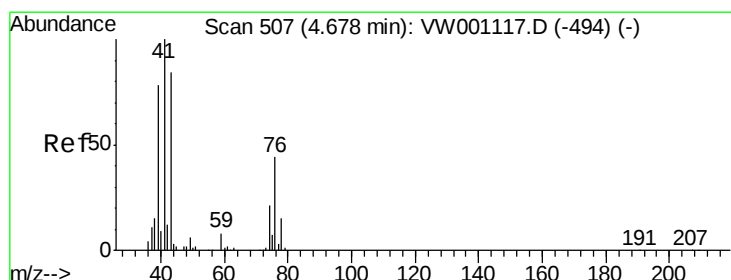
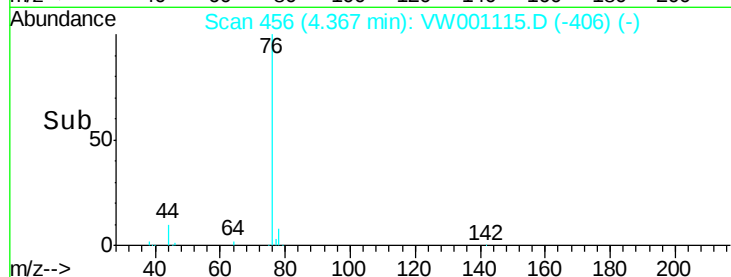
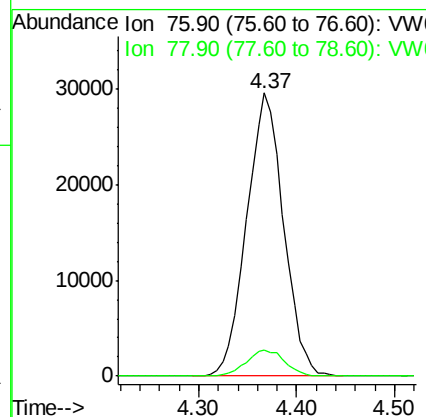
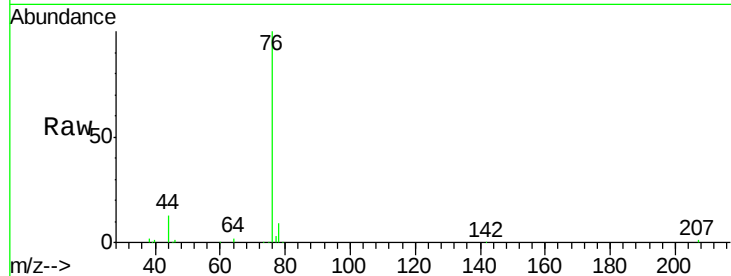
#17
Carbon Disulfide
Concen: 9.88 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

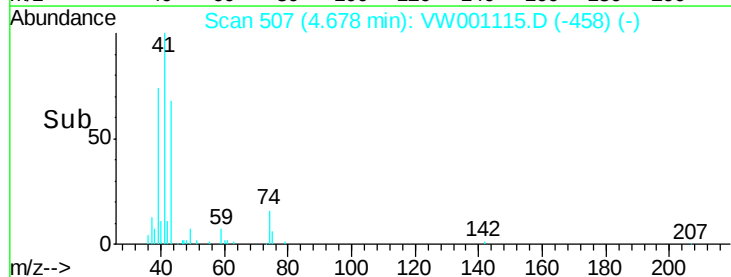
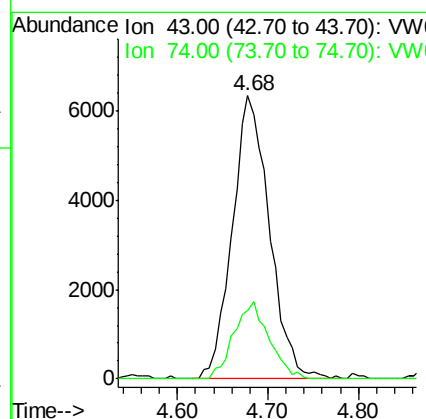
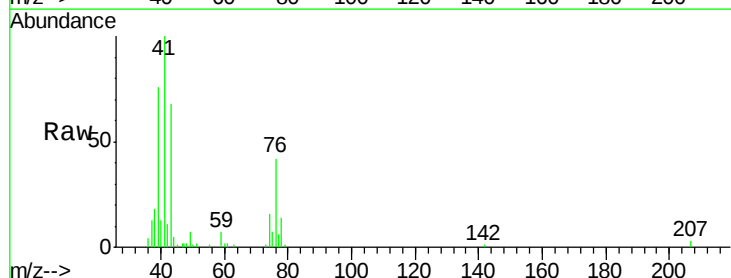
Manual Integrations
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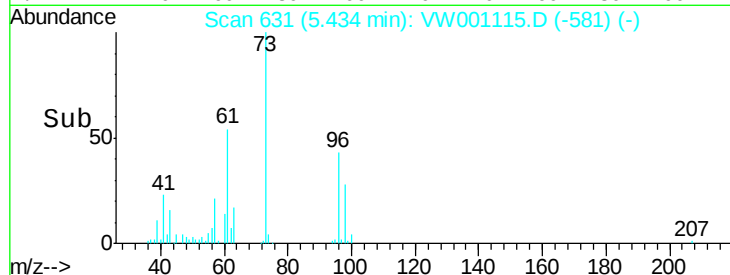
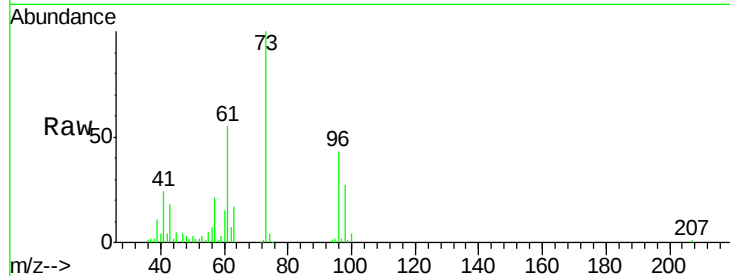
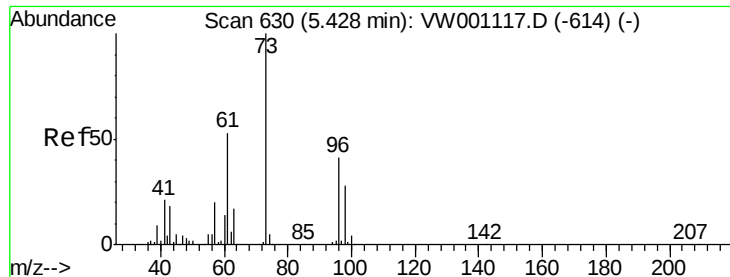
MMDadoda
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#18
Methyl Acetate
Concen: 9.19 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.2	30.2





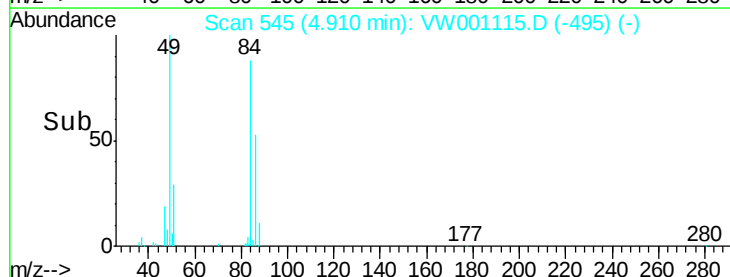
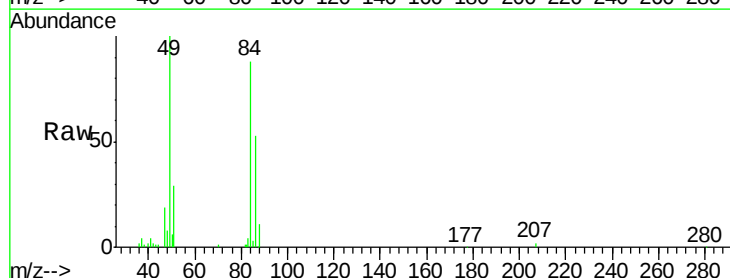
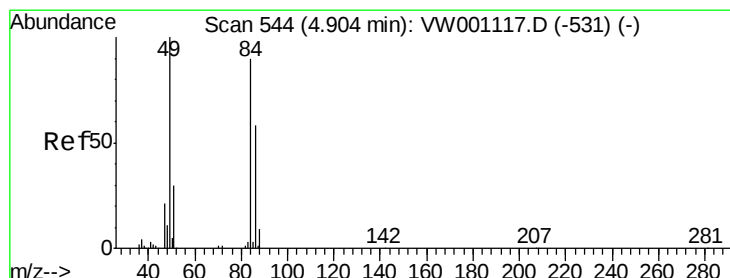
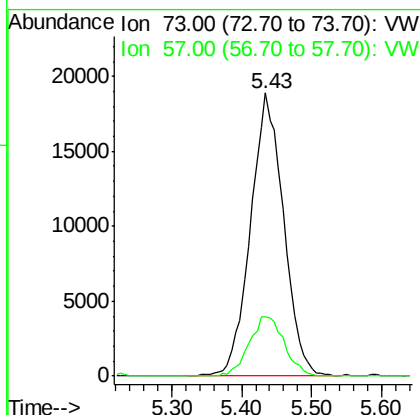
#19
Methvl tert-butvl Ether
Concen: 9.49 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tot Ion: 73 Resp: 62101
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

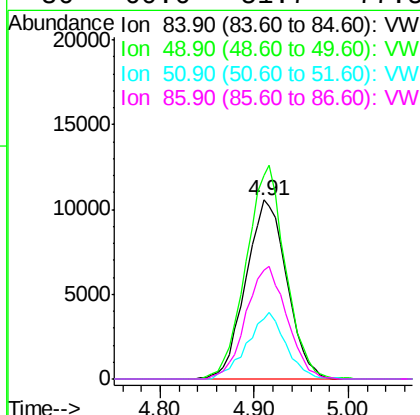
Manual Integrations
APPROVED

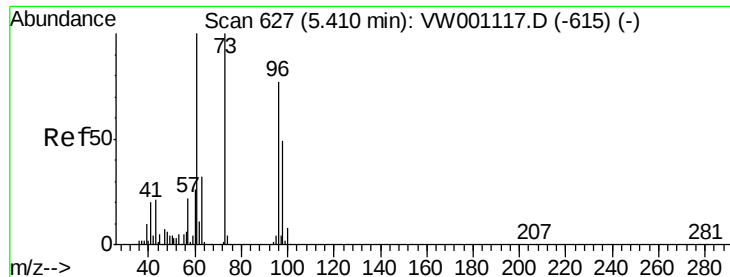
MMDadoda
1/30/2018 5:46:51 PM



#20
Methylene Chloride
Concen: 9.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 84 Resp: 32081
Ion Ratio Lower Upper
84 100
49 114.1 89.2 133.8
51 33.4 26.7 40.1
86 60.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 10.06 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.02 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

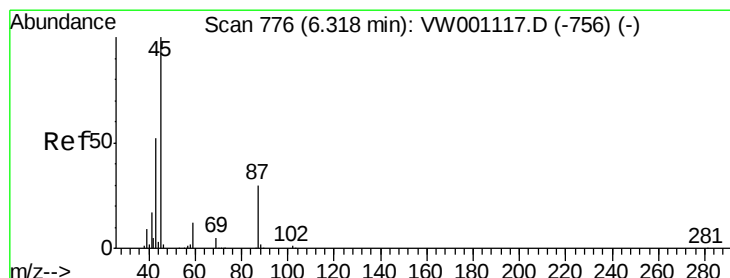
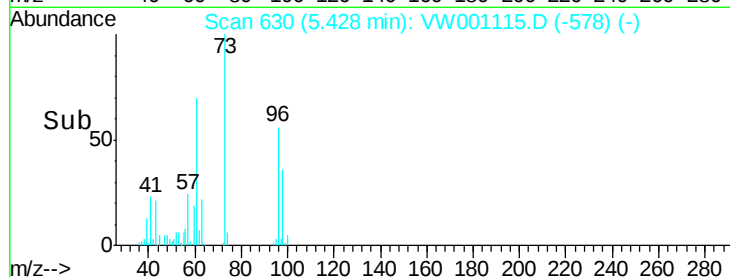
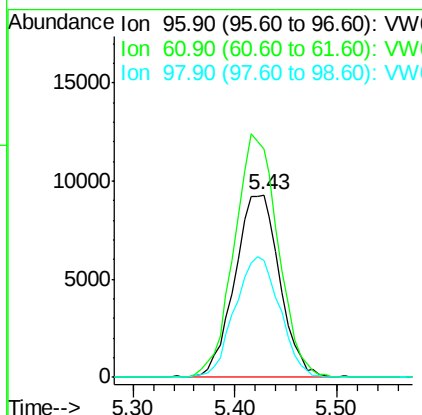
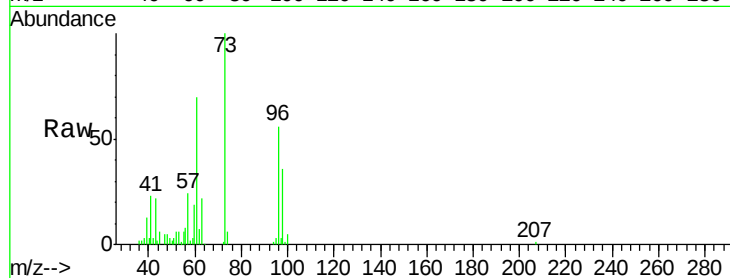
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	28429
Ion	Ratio	Lower	Upper
96	100		
61	124.9	104.6	156.8
98	63.8	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.00 ug/l

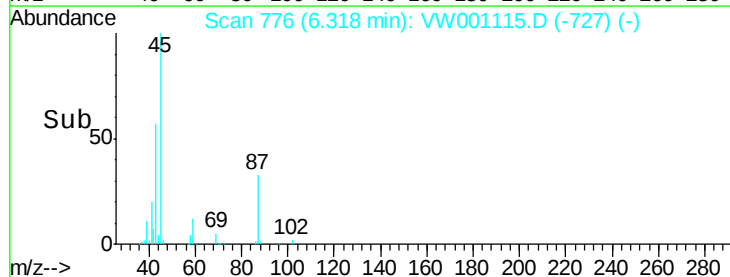
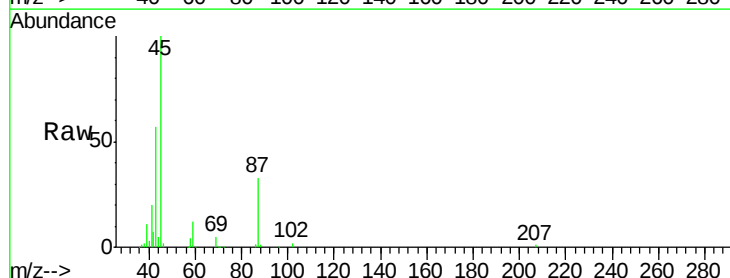
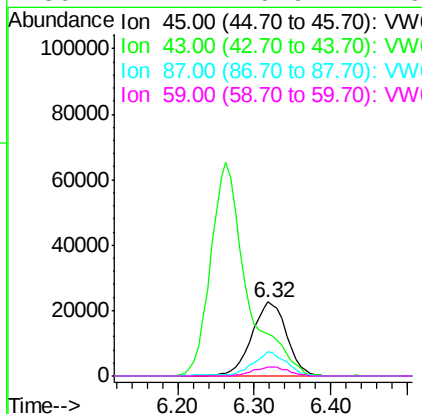
RT: 6.32 min Scan# 776

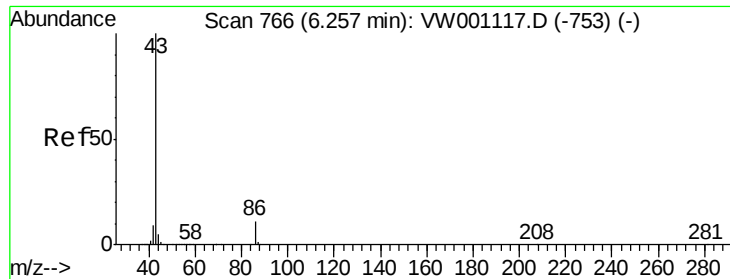
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	45	Resp:	72387
Ion	Ratio	Lower	Upper
45	100		
43	56.7	41.6	62.4
87	33.3	24.5	36.7
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 49.19 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tot Ion: 43 Resp: 213372

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.6

Instrument :

MSVOA_W

ClientSampled :

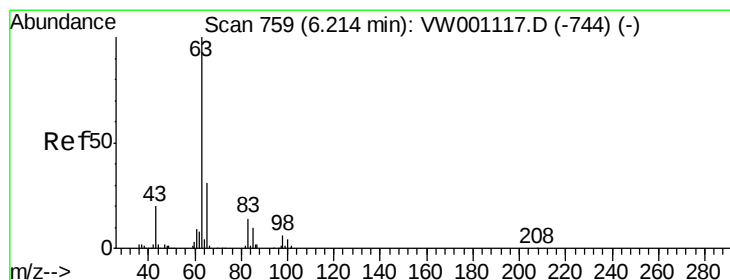
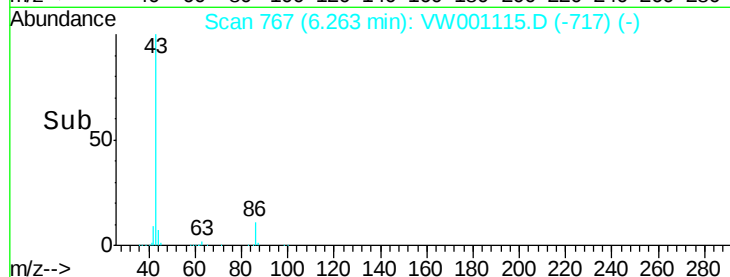
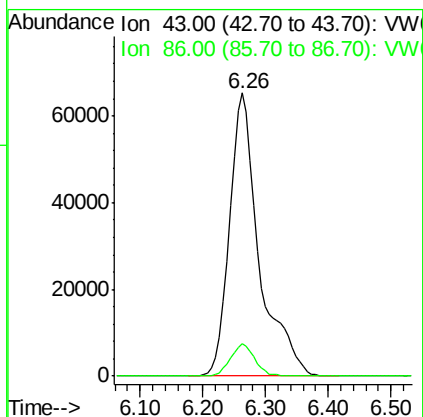
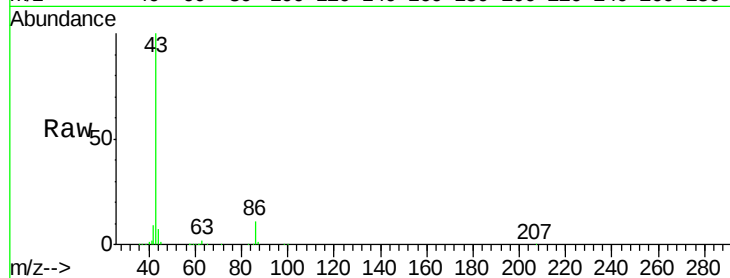
VSTDIC010

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#24

1,1-Dichloroethane

Concen: 9.95 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

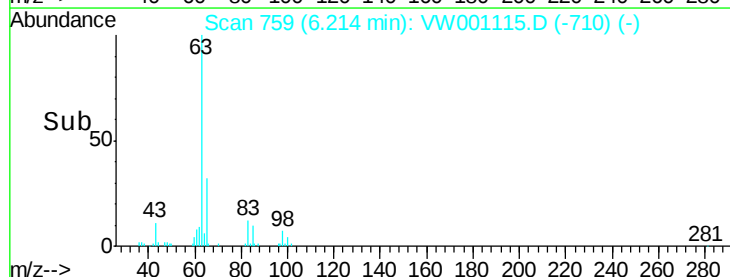
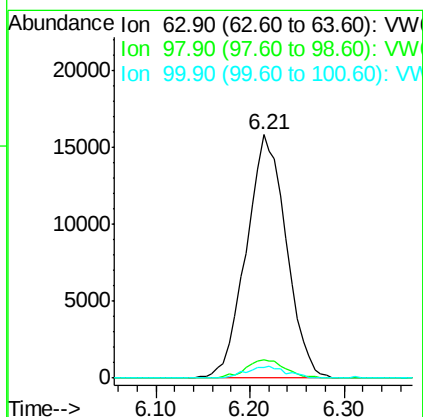
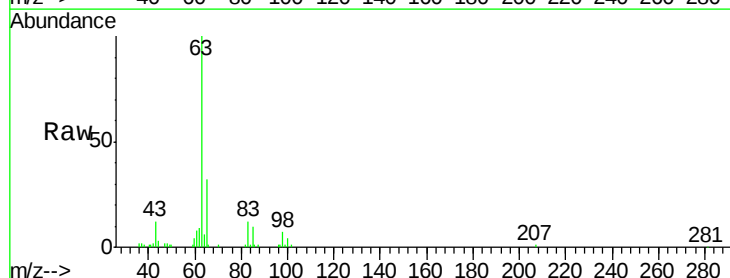
Tgt Ion: 63 Resp: 47025

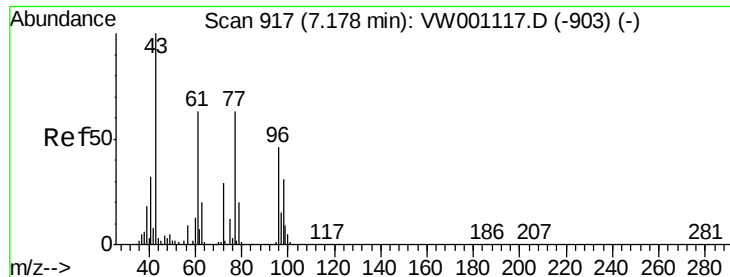
Ion Ratio Lower Upper

63 100

98 7.3 3.0 9.2

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 46.35 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 49427

Ion Ratio Lower Upper

43 100

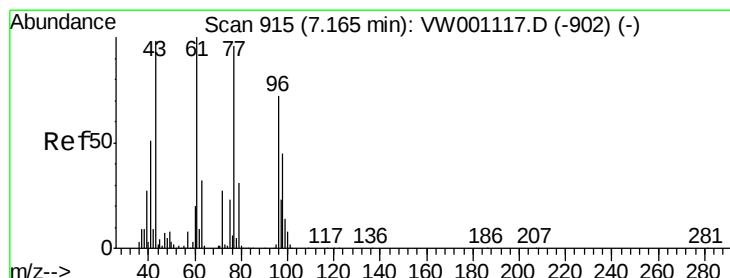
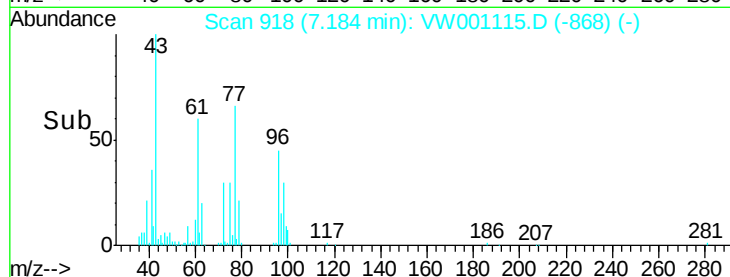
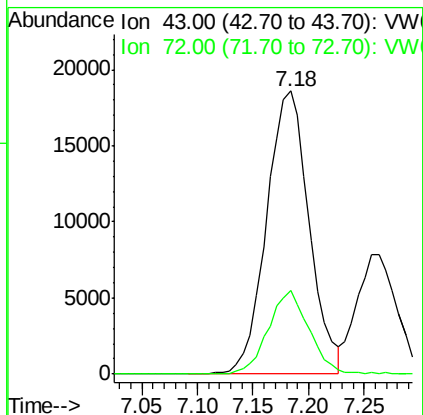
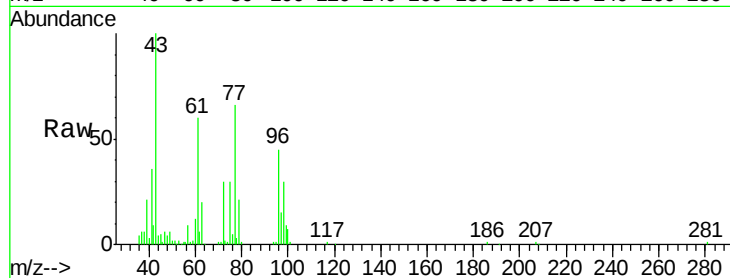
72 29.6 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.12 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001115.D

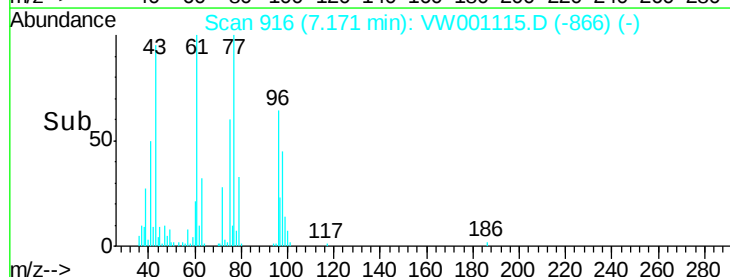
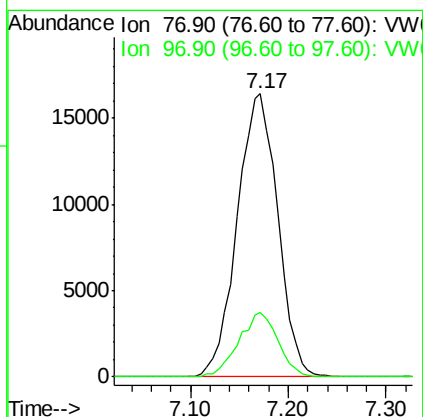
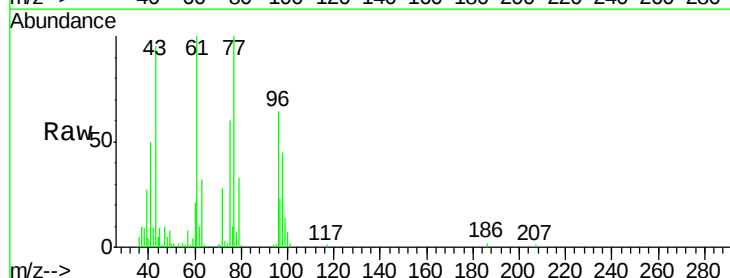
Acq: 29 Jan 2018 12:29

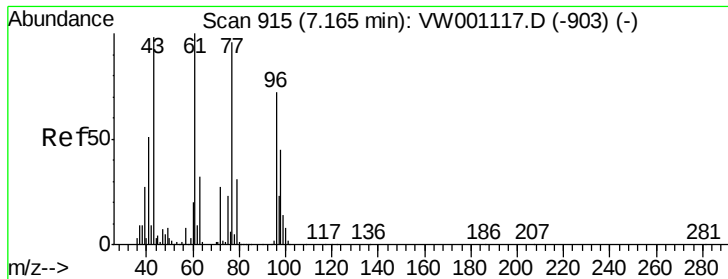
Tgt Ion: 77 Resp: 47286

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

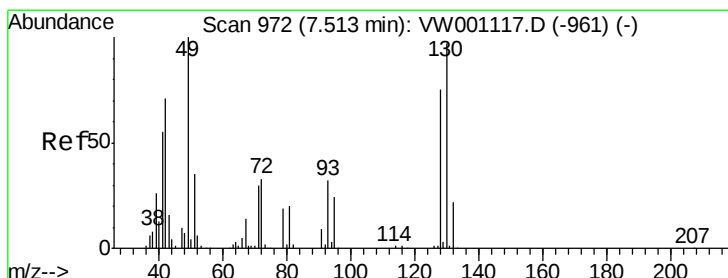
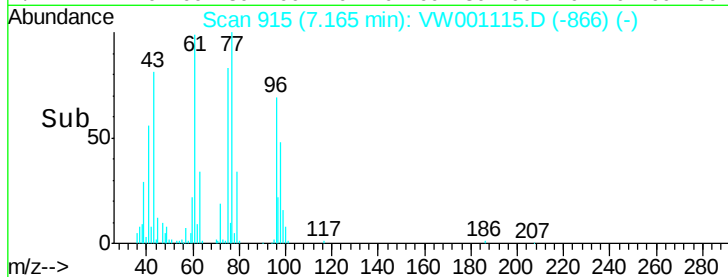
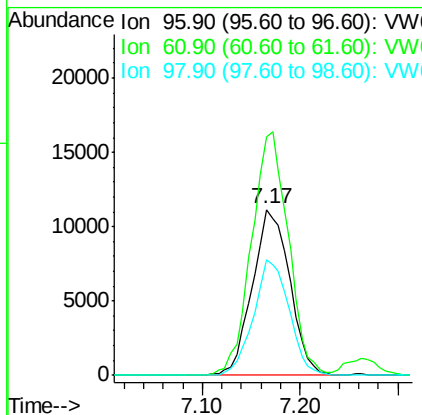
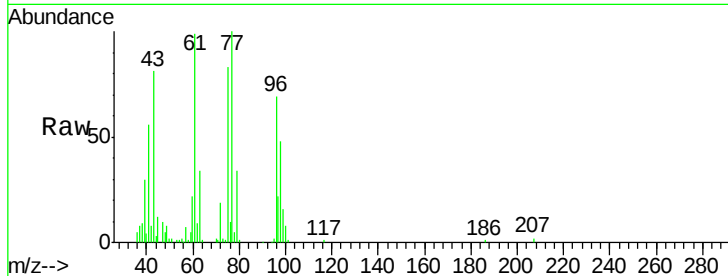
cis-1,2-Dichloroethene
 Concen: 9.84 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	280.4
98	66.0	0.0	129.6

Manual Integrations
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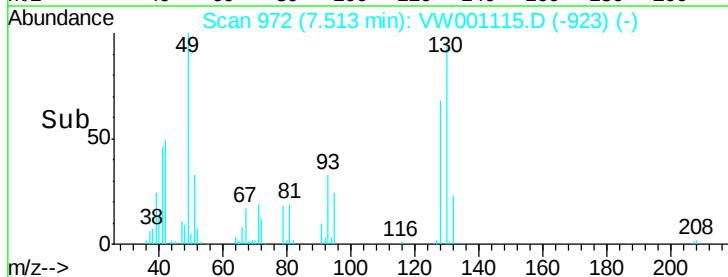
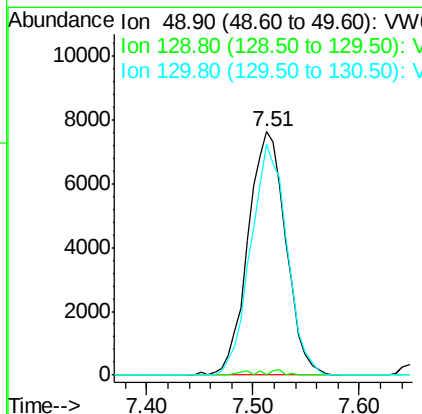
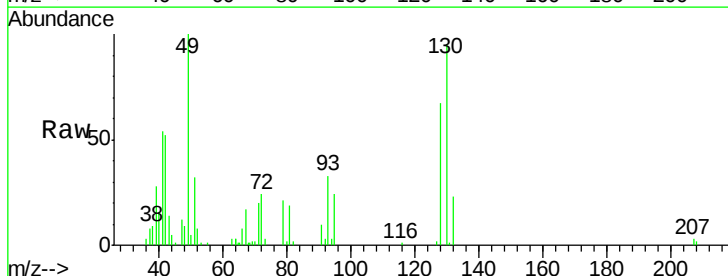
MMDadoda
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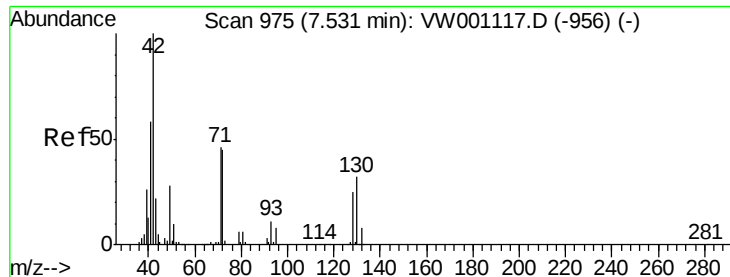


#28

Bromochloromethane
 Concen: 9.91 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	90.8	75.5	113.3





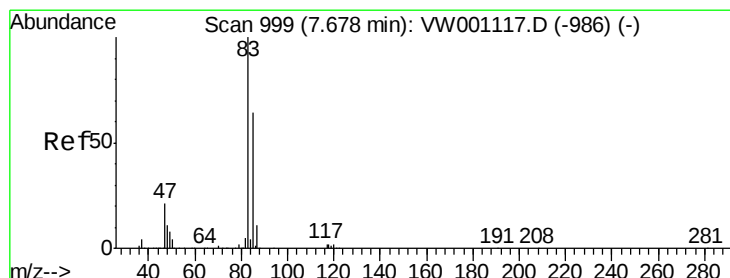
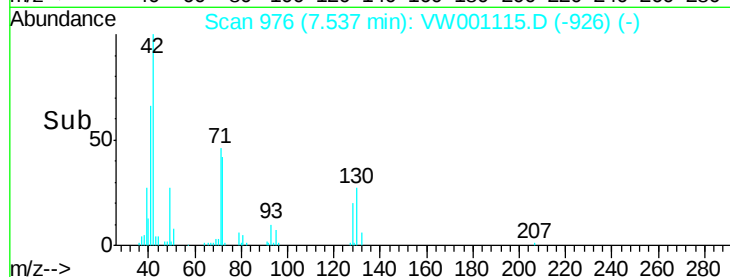
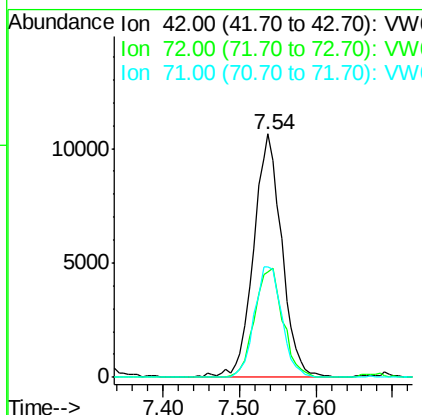
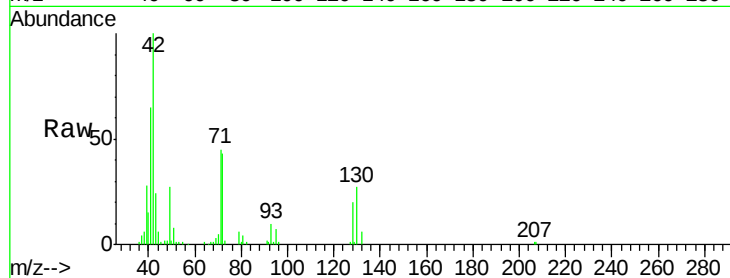
#29
Tetrahydrofuran
Concen: 44.95 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.8	55.2
71	44.3	35.1	52.7

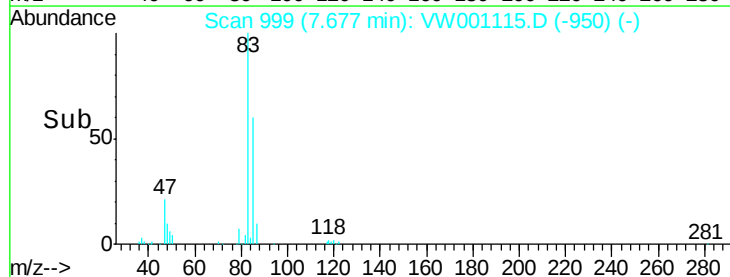
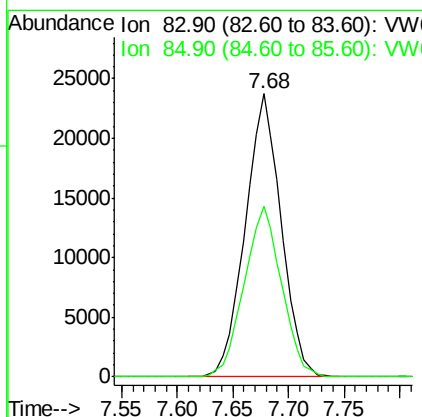
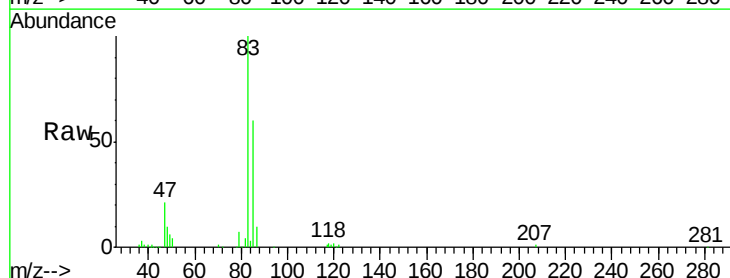
Manual Integrations
APPROVED

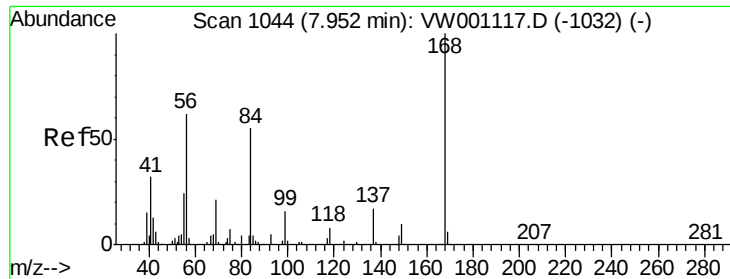
MMDadoda
1/30/2018 5:46:51 PM



#30
Chloroform
Concen: 10.40 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.4	77.2





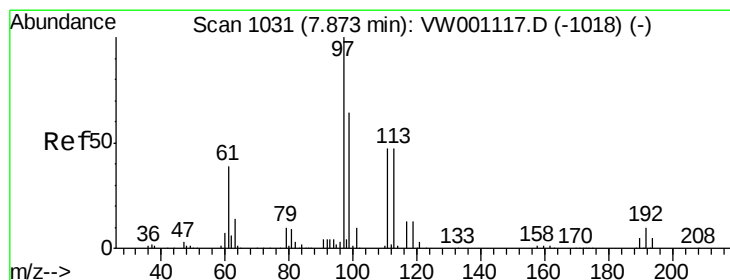
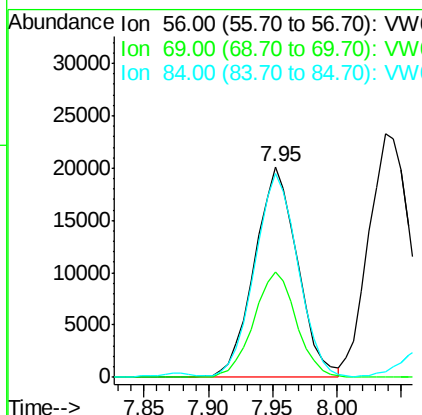
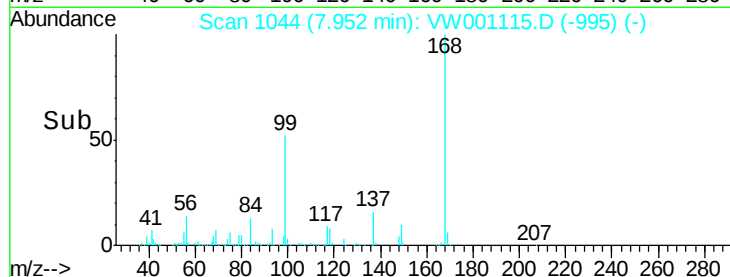
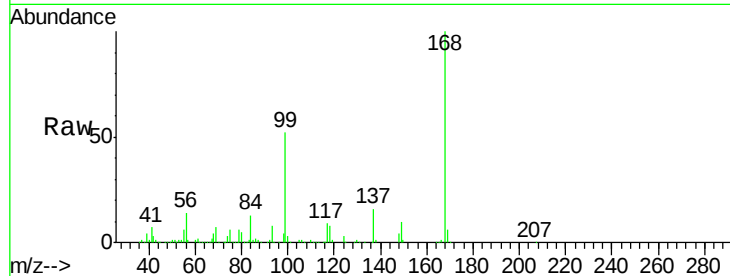
#31
Cyclohexane
Concen: 10.17 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	50.0	27.4	41.0#
84	95.6	71.1	106.7

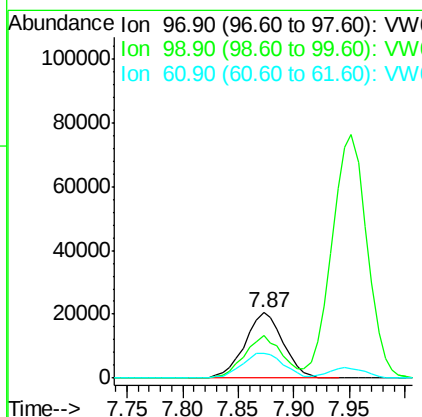
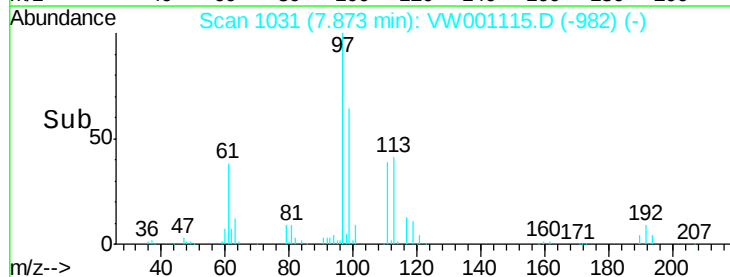
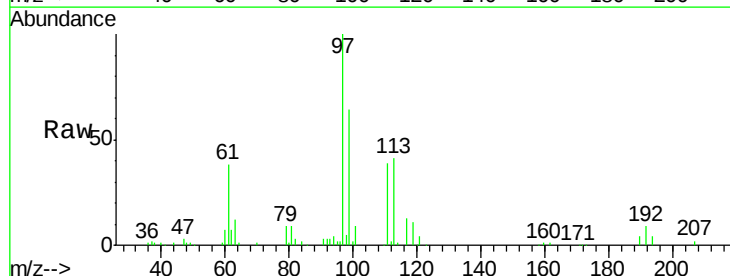
Manual Integrations
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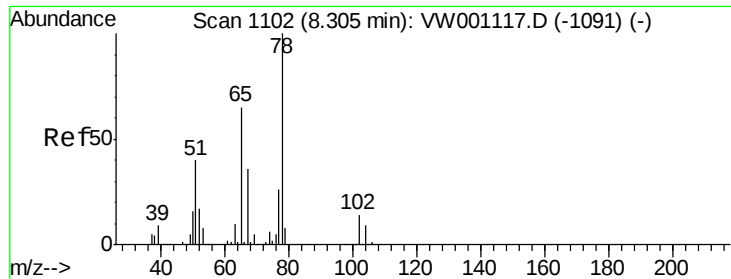
MMDadoda
1/30/2018 5:46:51 PM



#32
1,1,1-Trichloroethane
Concen: 10.14 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	41.9	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 10.02 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 30950

Ion Ratio Lower Upper

65 100

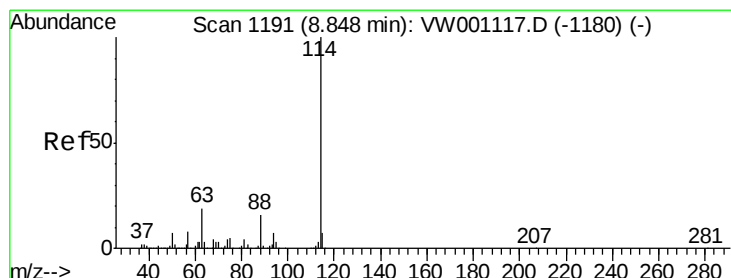
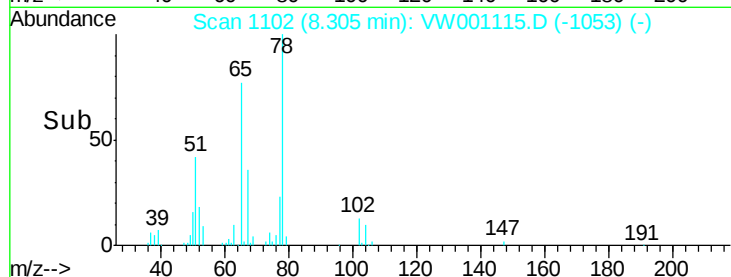
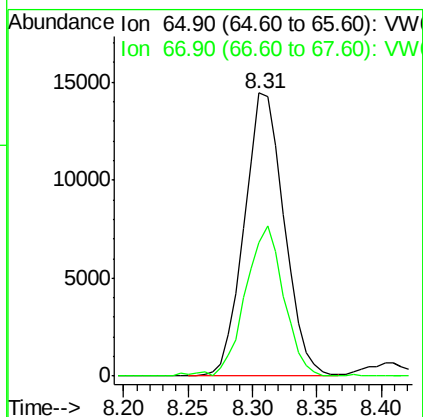
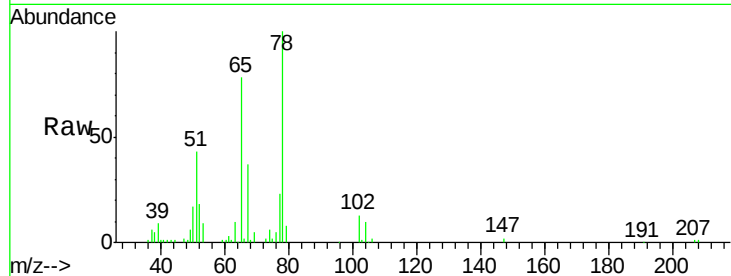
67 51.0 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

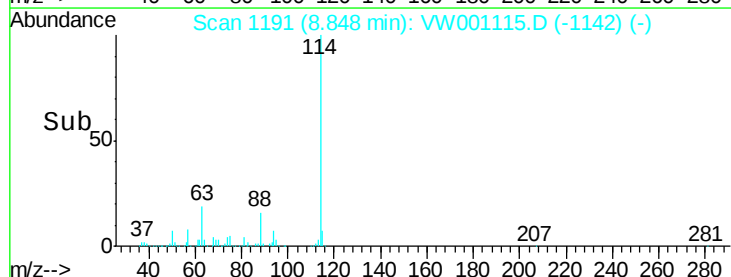
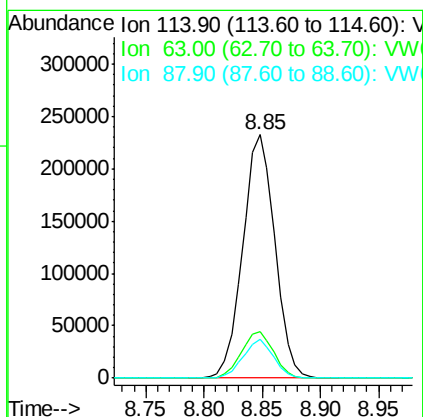
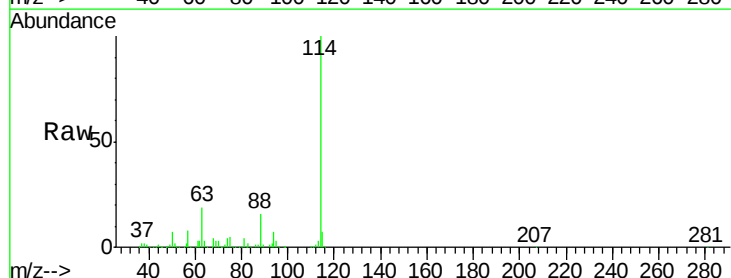
Tgt Ion: 114 Resp: 447830

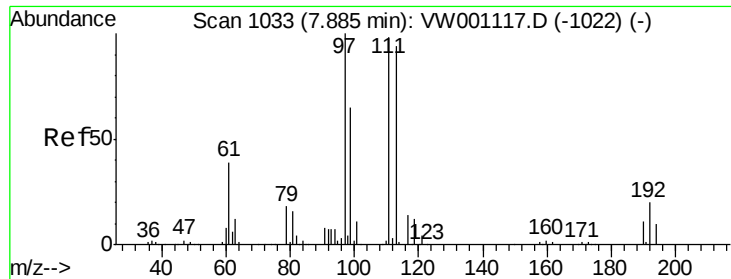
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.2

88 15.7 0.0 31.0





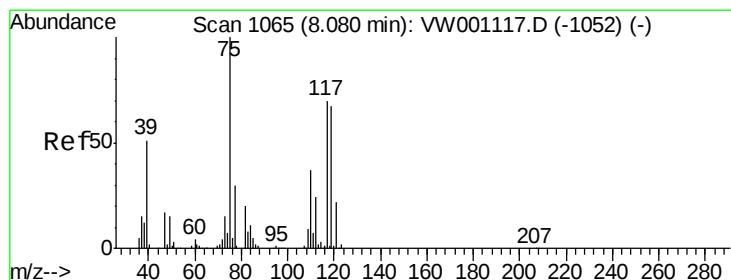
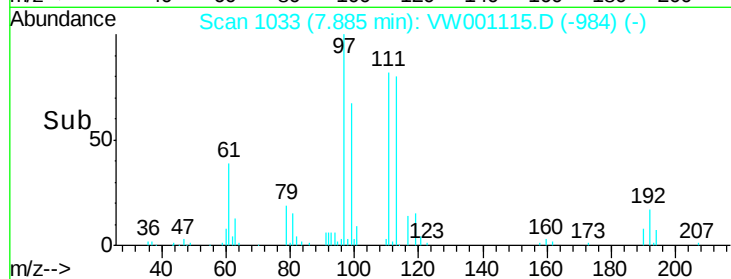
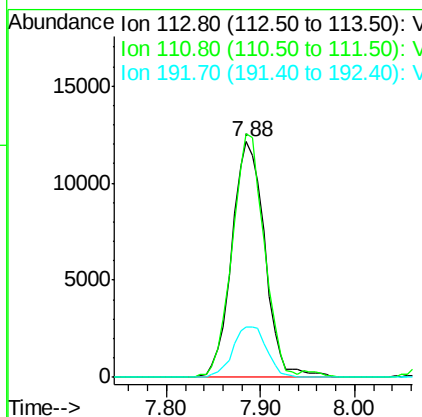
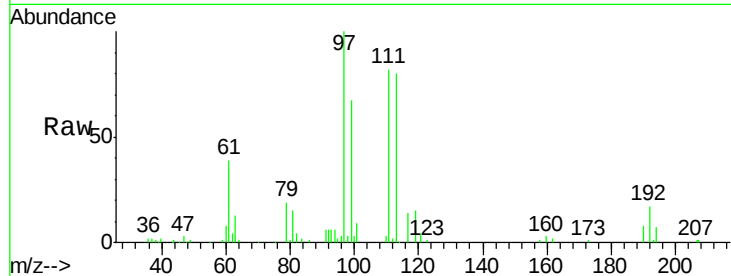
#35
 Dibromofluoromethane
 Concen: 10.29 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	83.1	124.7
192	22.1	17.8	26.6

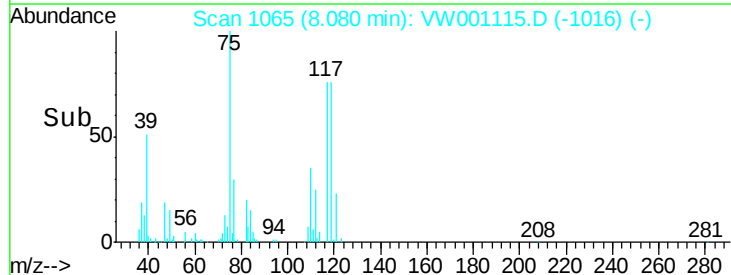
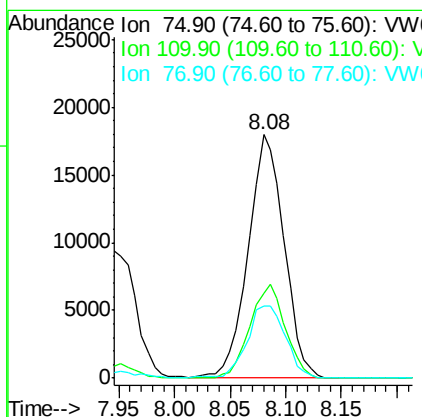
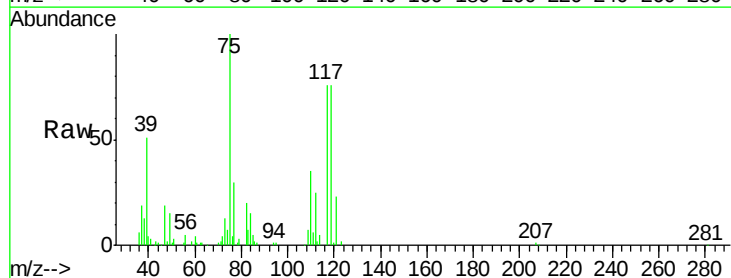
Manual Integrations
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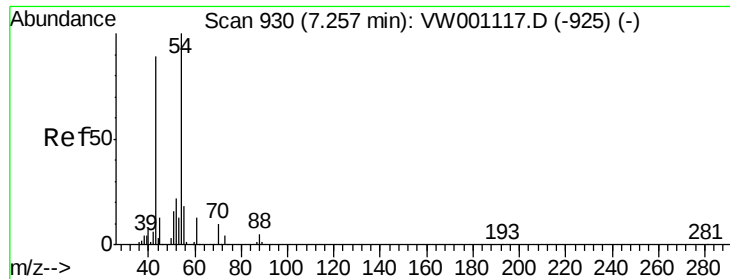
MMDadoda
 1/30/2018 5:46:51 PM



#36
 1,1-Dichloropropene
 Concen: 10.01 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.7	56.1
77	32.0	24.6	37.0





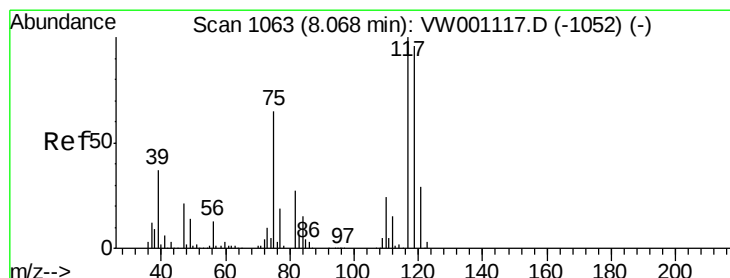
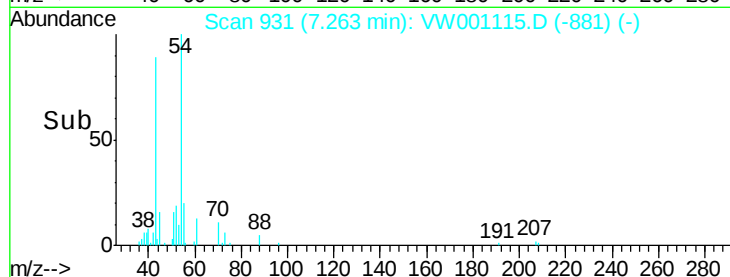
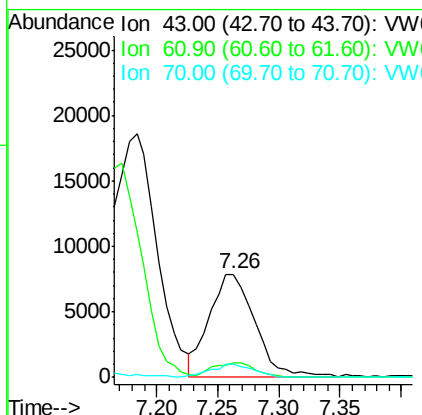
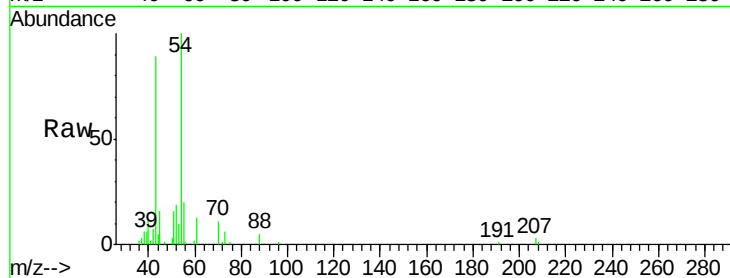
#37
Ethyl Acetate
Concen: 9.42 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.9	17.9
70	12.3	9.4	14.0

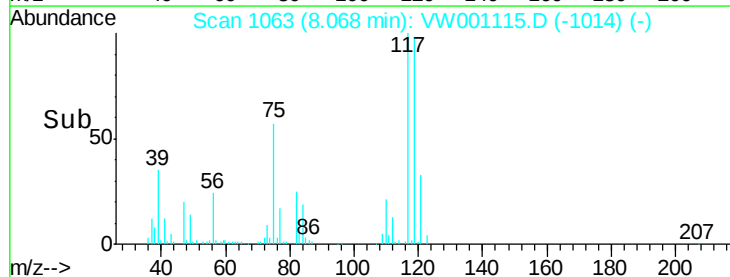
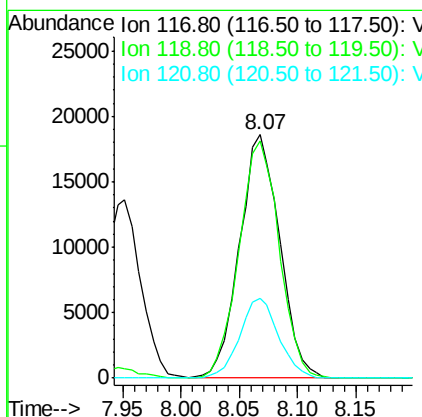
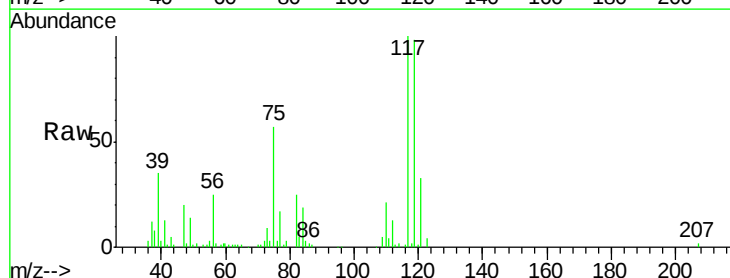
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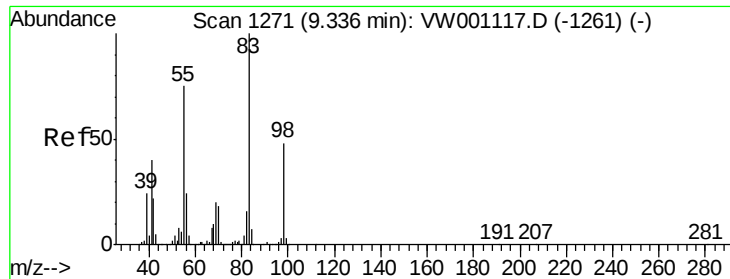
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#38
Carbon Tetrachloride
Concen: 9.92 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.0	115.4
121	32.7	23.5	35.3





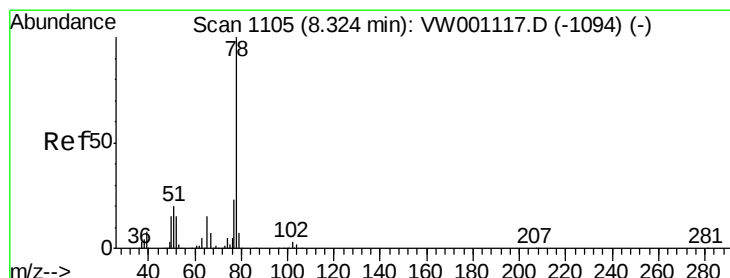
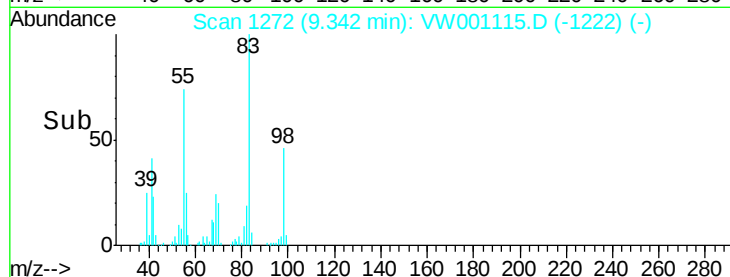
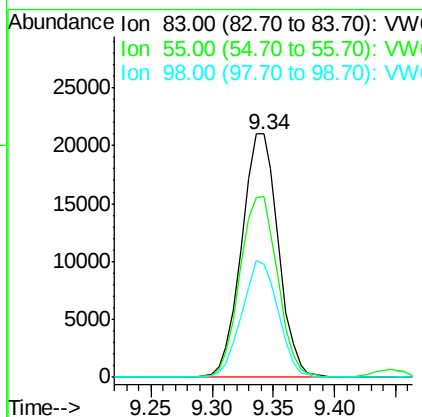
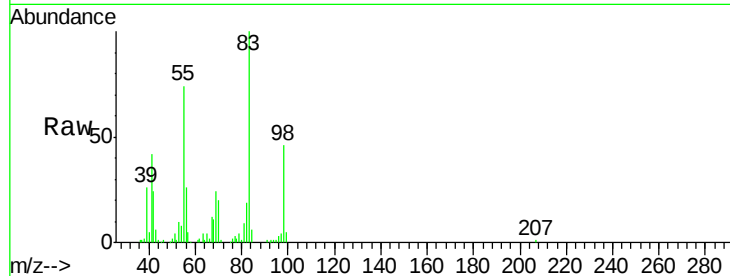
#39
Methvlcvclohexane
Concen: 9.20 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	43901
Ion Ratio	Lower	Upper	
83	100		
55	74.3	59.7	89.5
98	46.4	38.0	57.0

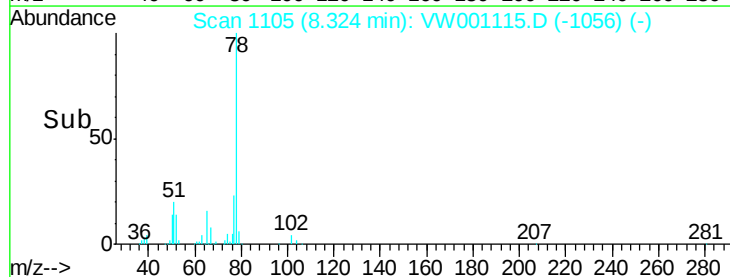
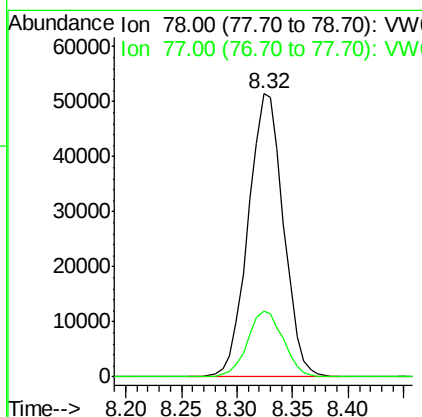
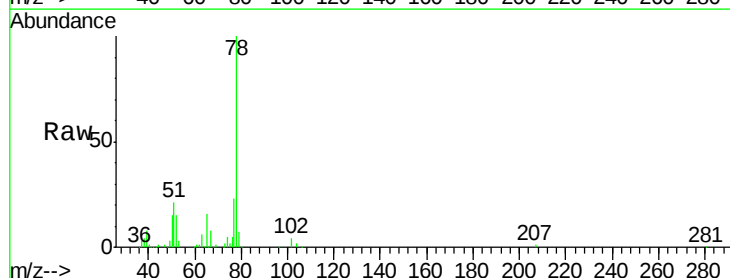
Manual Integrations
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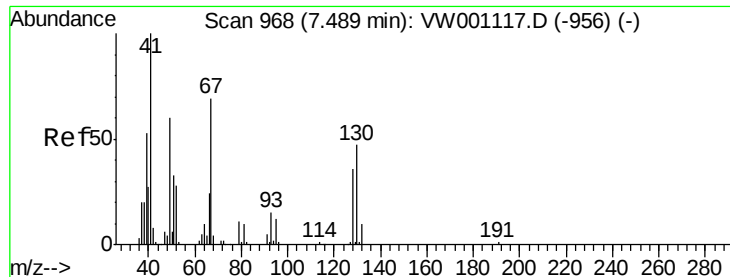
MMDadoda
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#40
Benzene
Concen: 10.11 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	78	Resp	113206
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.6	28.0





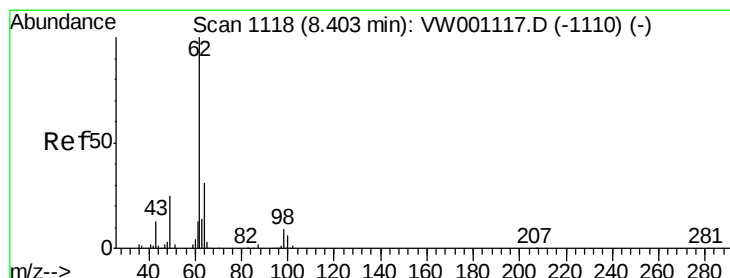
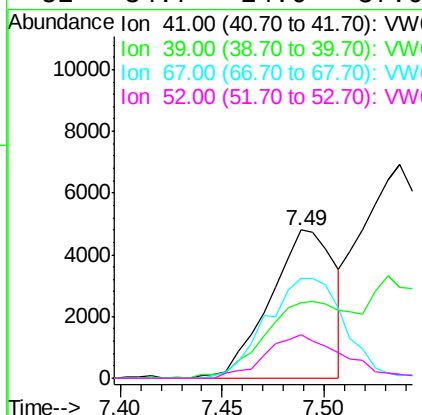
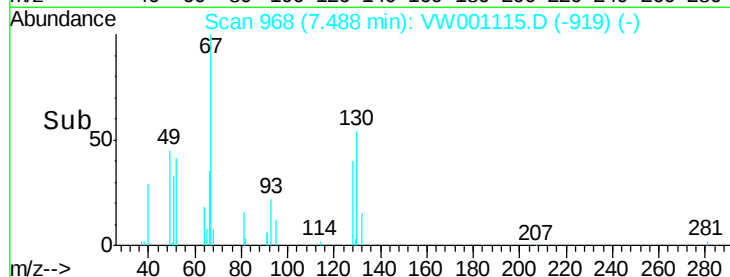
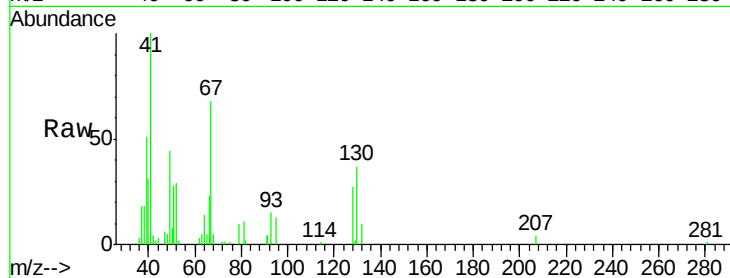
#41
Methacrylonitrile
Concen: 8.92 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		10581		
39	73.3	48.8	73.2#		
67	82.1	59.6	89.4		
52	34.7	24.6	37.0		

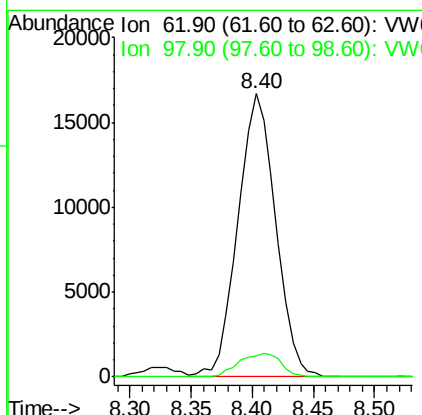
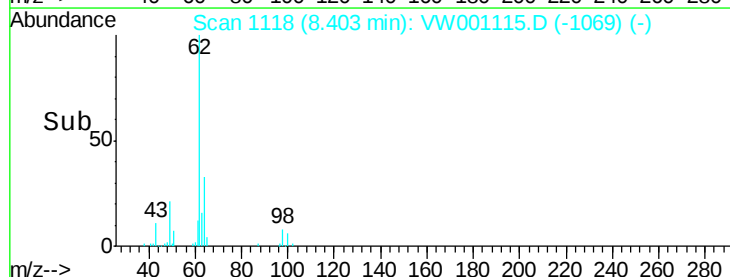
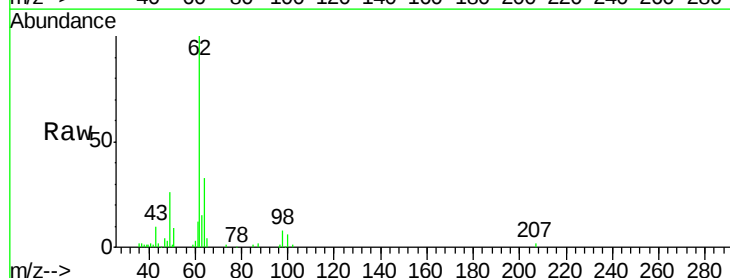
Manual Integrations
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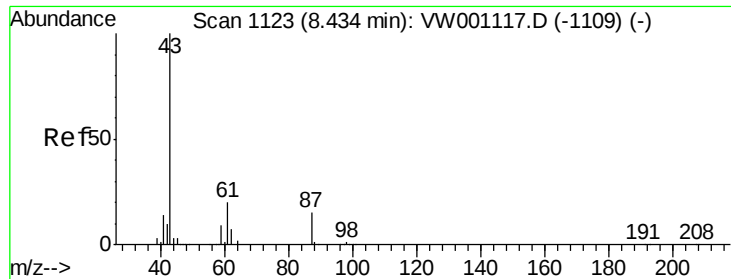
MMDadoda
1/30/2018 5:46:51 PM



#42
1,2-Dichloroethane
Concen: 10.16 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		35770		
98	9.3	0.0	18.8		





#43

Isopropyl Acetate

Concen: 9.42 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

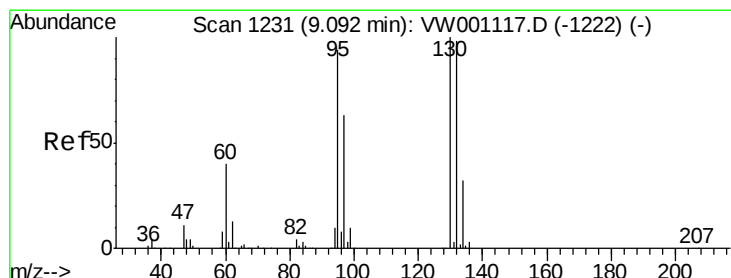
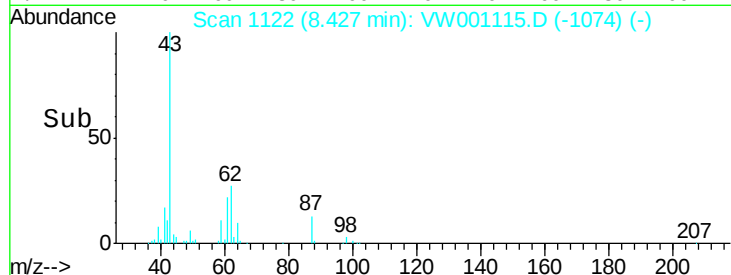
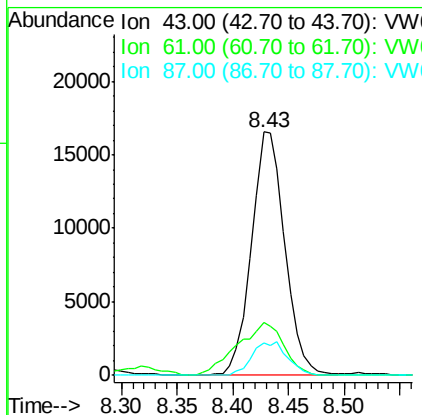
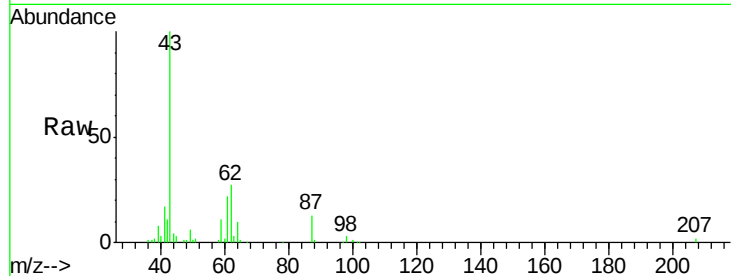
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	34646
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.9	35.9
87	14.5	12.0	18.0

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#44

Trichloroethene

Concen: 9.92 ug/l

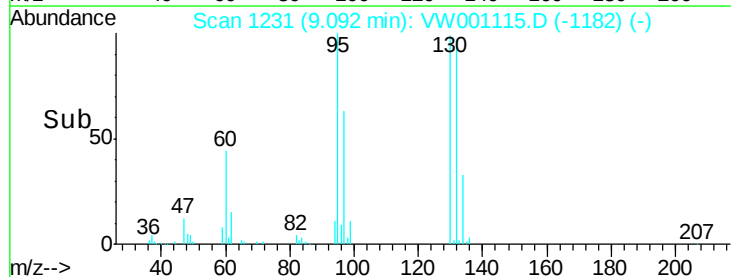
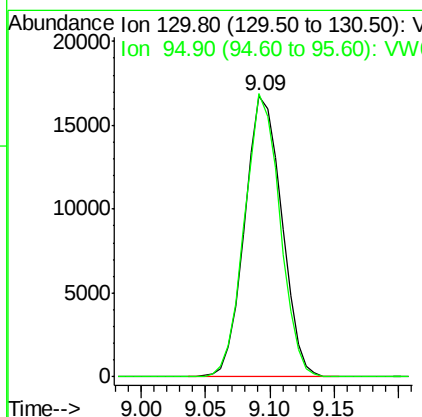
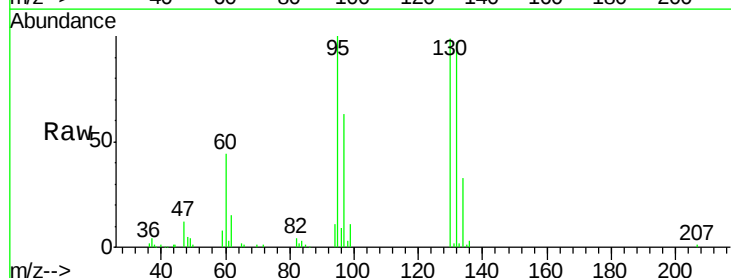
RT: 9.09 min Scan# 1231

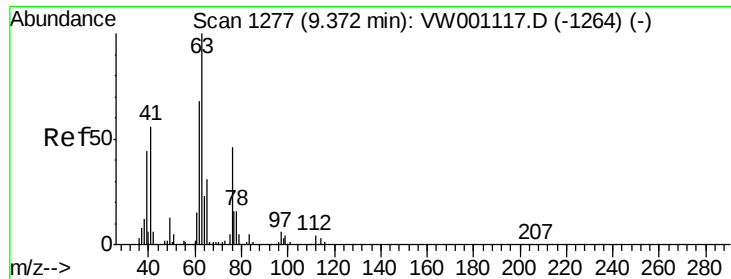
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	130	Resp:	33326
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	189.0





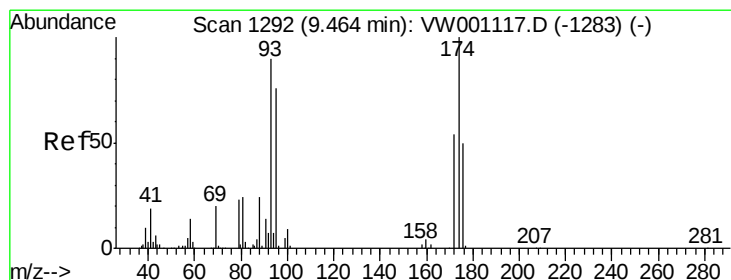
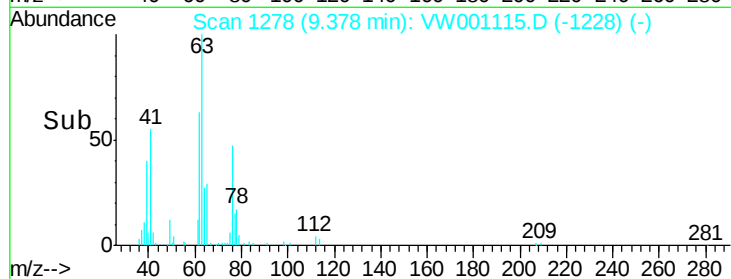
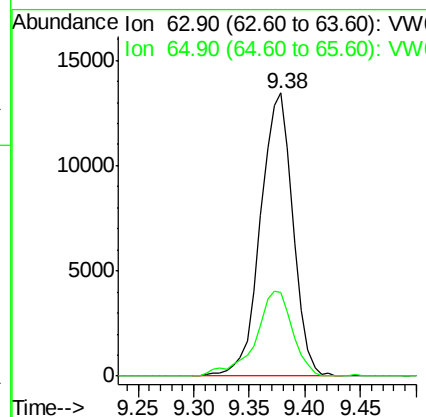
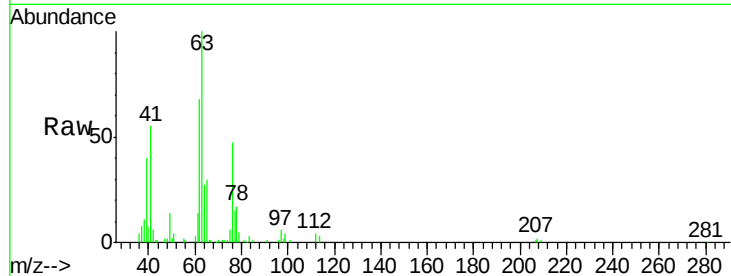
#45
 1,2-Dichloropropane
 Concen: 10.13 ug/l
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 63 Resp: 27296
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.4

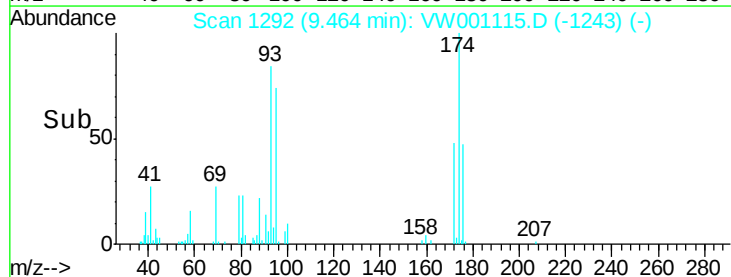
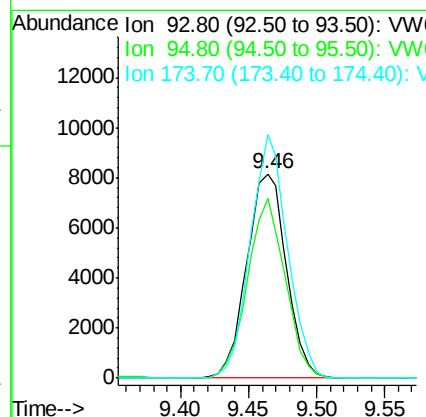
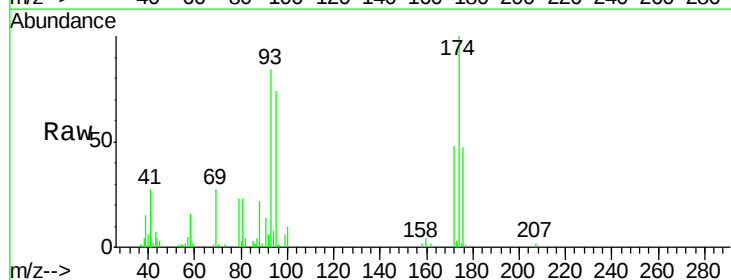
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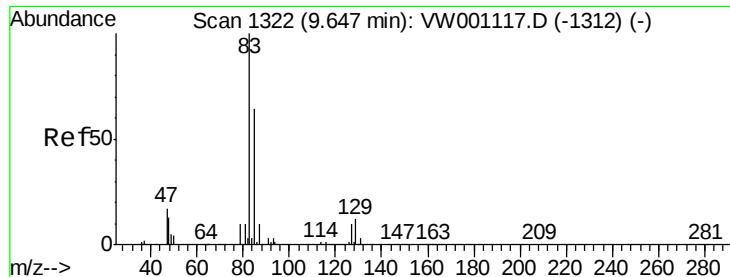
MMDadoda
 1/30/2018 5:46:51 PM



#46
 Dibromomethane
 Concen: 9.88 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 93 Resp: 16657
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 111.8 89.5 134.3





#47

Bromodichloromethane

Concen: 9.84 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

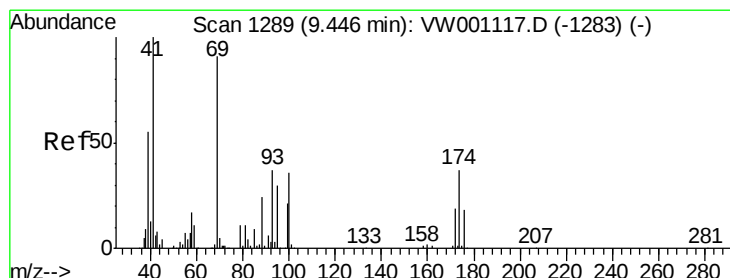
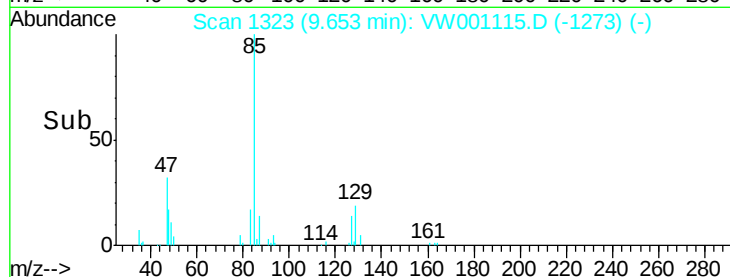
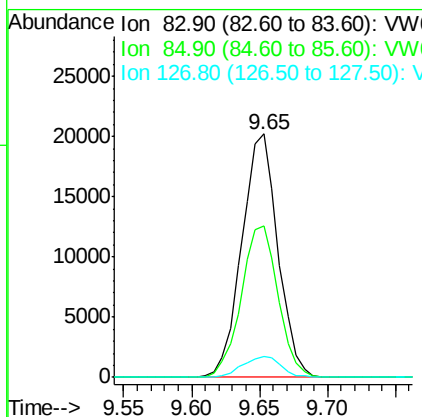
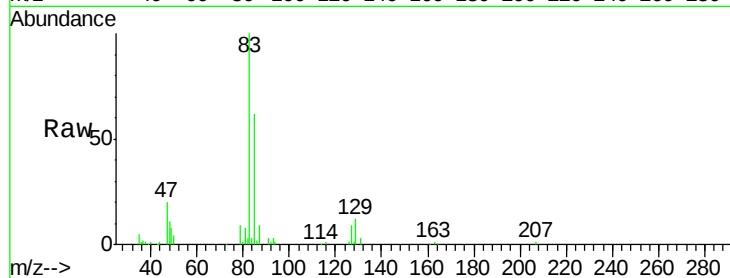
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	37524
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.5	77.3
127	8.6	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.03 ug/l

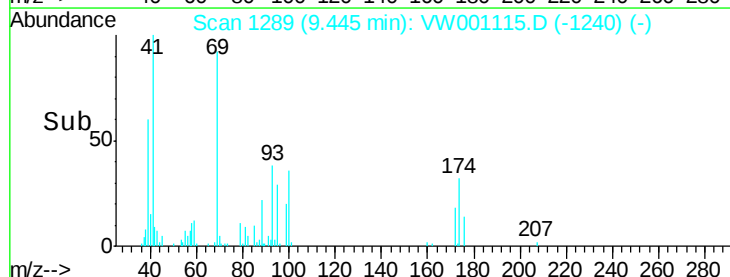
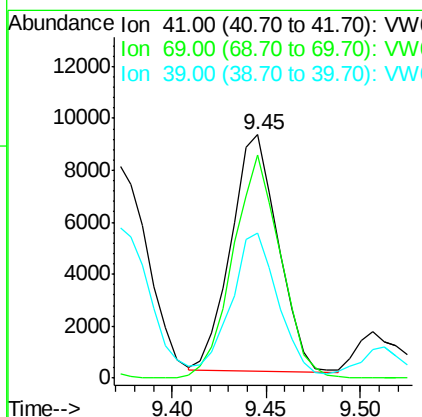
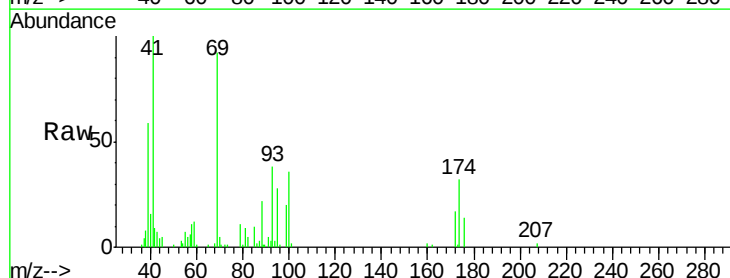
RT: 9.45 min Scan# 1289

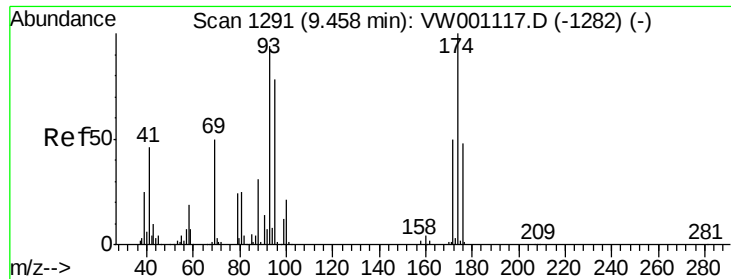
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	41	Resp:	15873
Ion	Ratio	Lower	Upper
41	100		
69	94.5	74.9	112.3
39	62.3	47.6	71.4





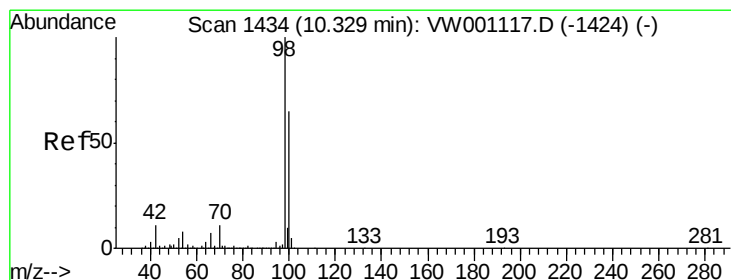
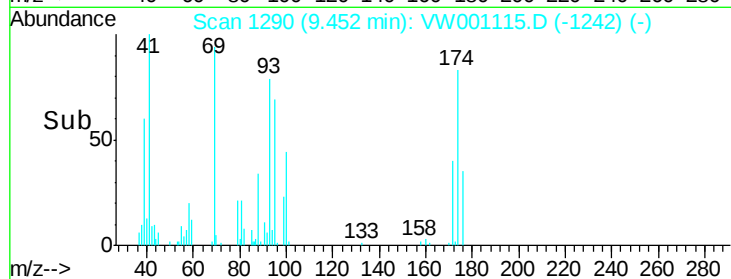
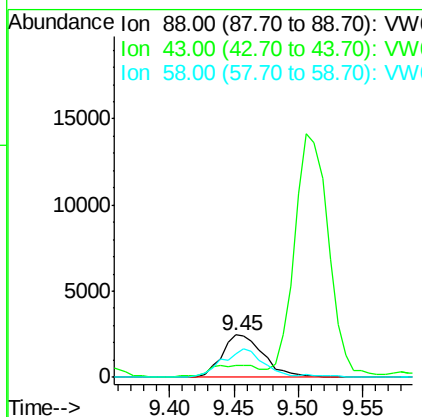
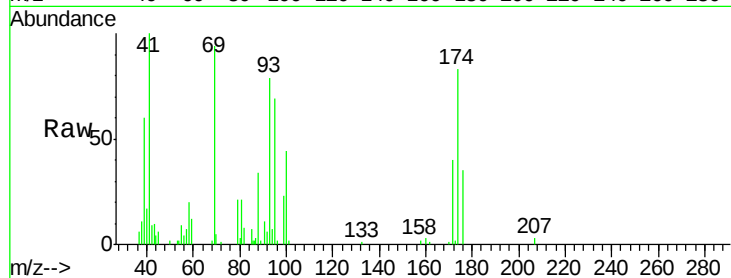
#49
 1,4-Dioxane
 Concen: 183.64 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	23.0	34.6#
58	66.0	53.9	80.9

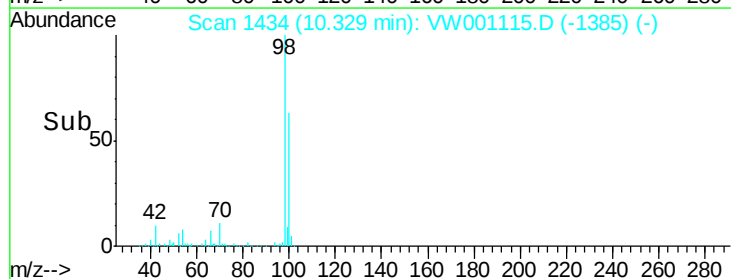
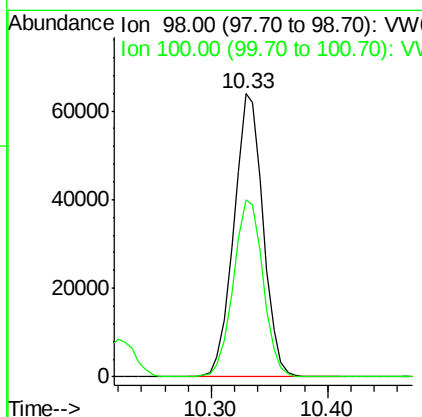
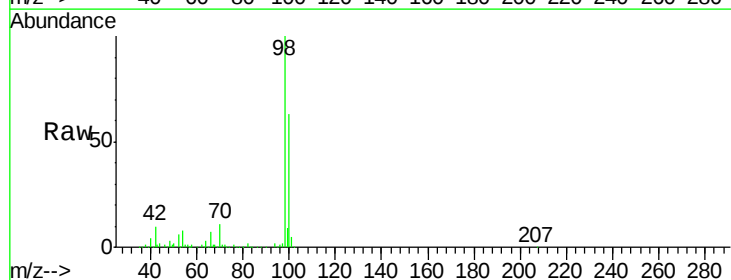
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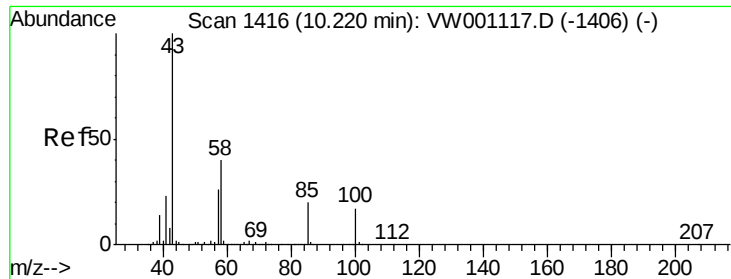
MMDadoda
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#50
 Toluene-d8
 Concen: 10.09 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 46.14 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 92710

Ion Ratio Lower Upper

43 100

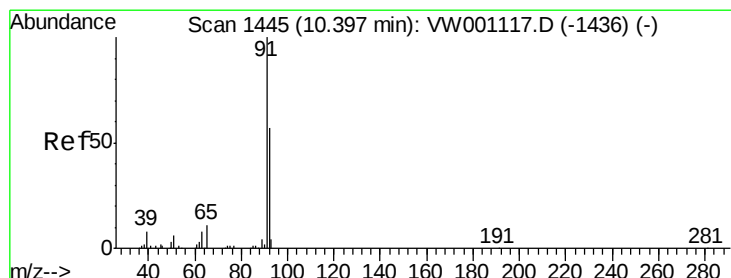
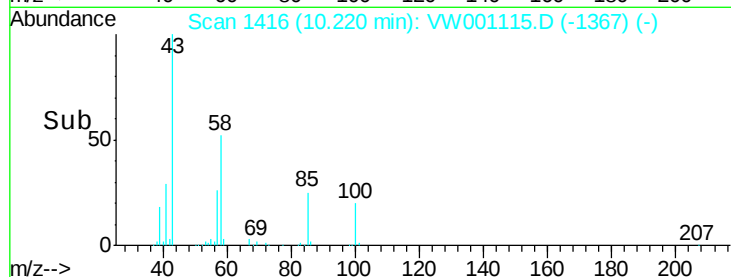
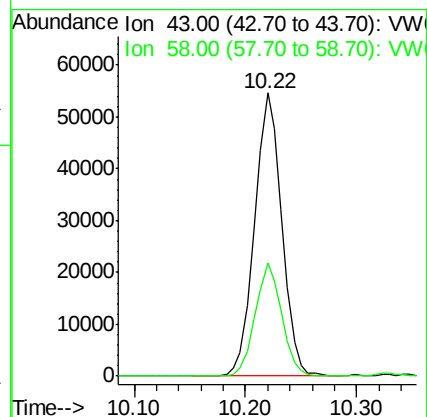
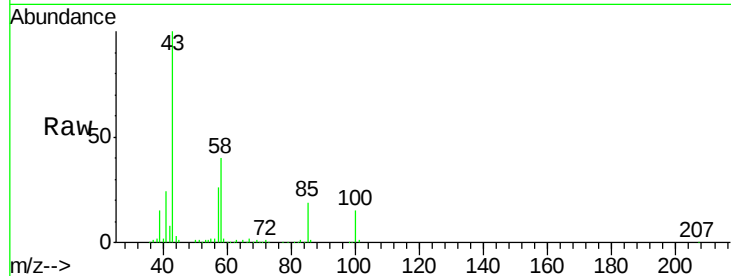
58 38.9 32.1 48.1

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#52

Toluene

Concen: 9.99 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001115.D

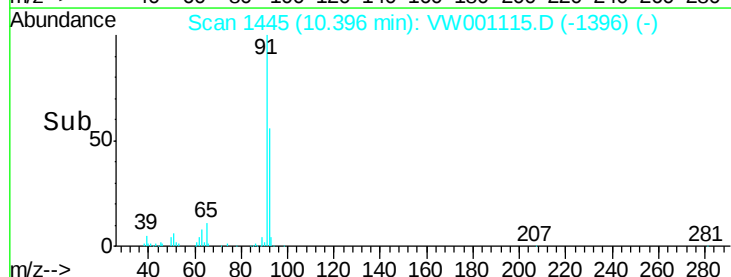
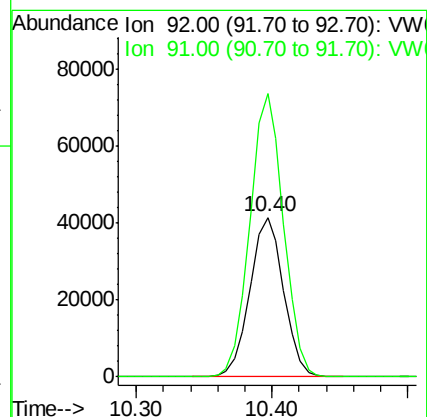
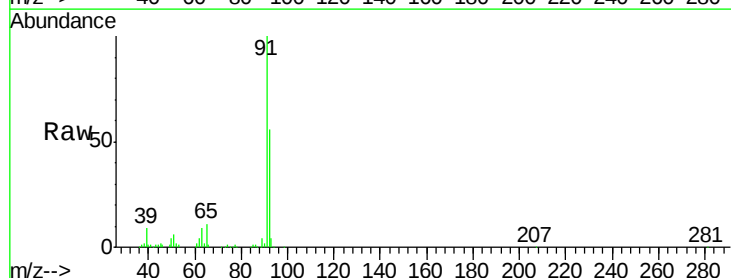
Acq: 29 Jan 2018 12:29

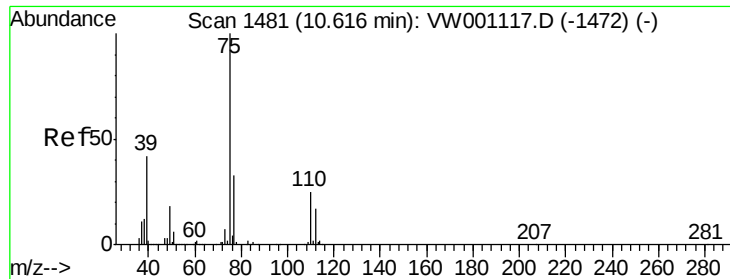
Tgt Ion: 92 Resp: 71829

Ion Ratio Lower Upper

92 100

91 176.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 9.54 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 75 Resp: 36701

Ion Ratio Lower Upper

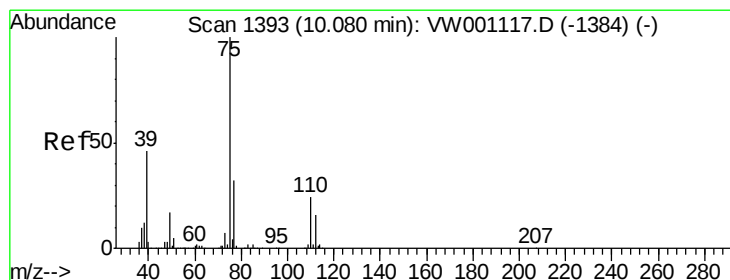
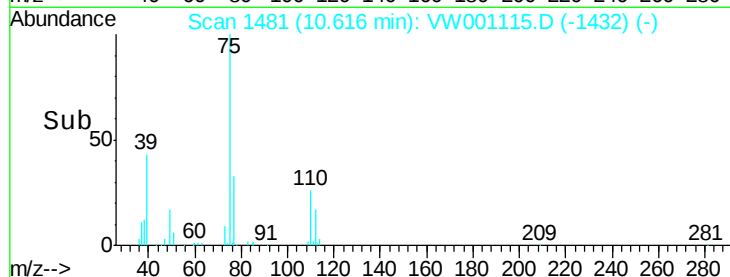
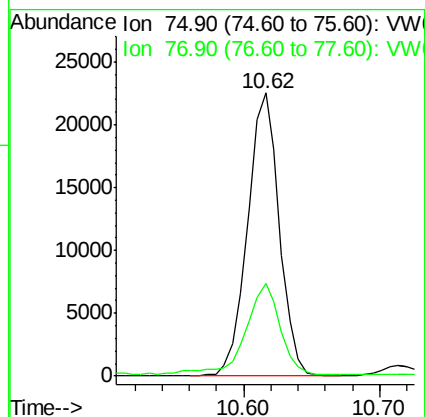
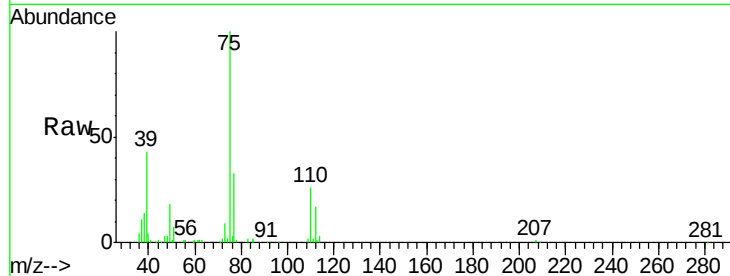
75 100

77 32.2 26.0 39.0

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#54

cis-1,3-Dichloropropene

Concen: 9.83 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

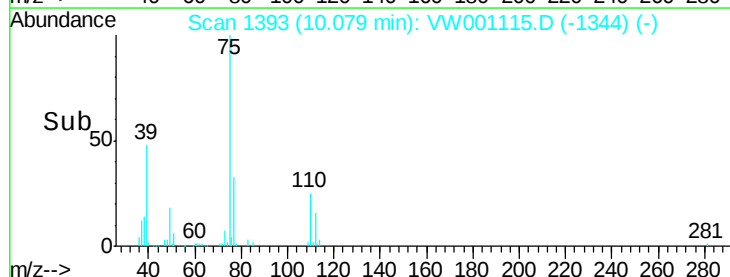
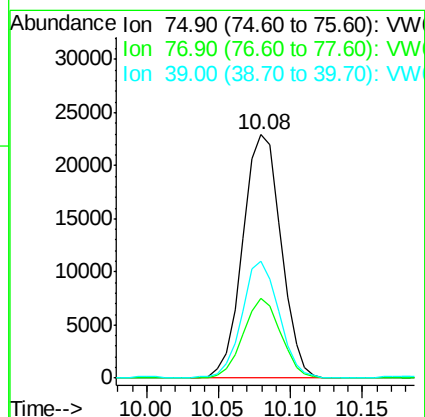
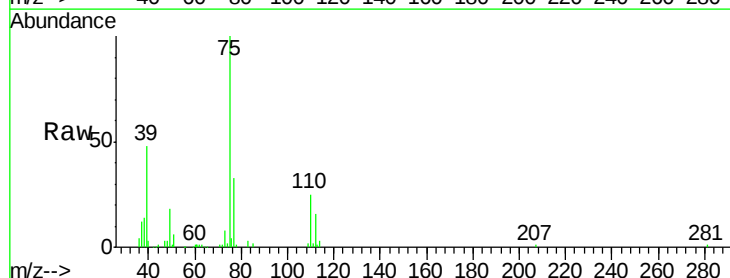
Tgt Ion: 75 Resp: 42241

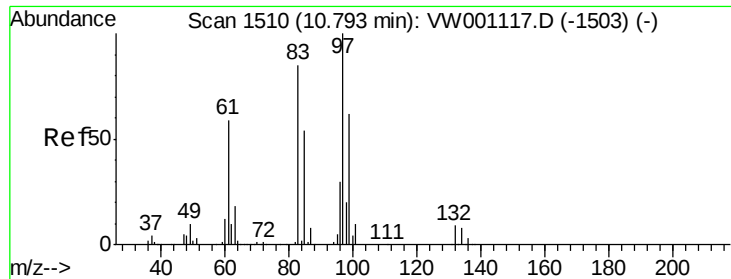
Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

39 48.0 37.0 55.4





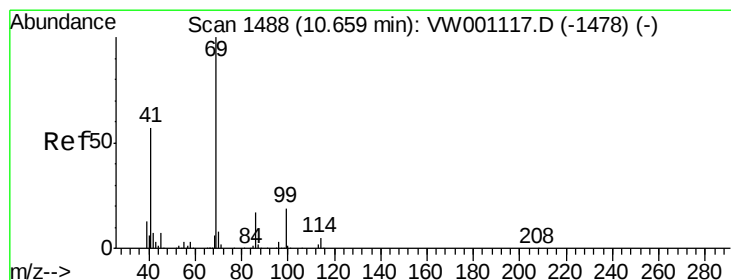
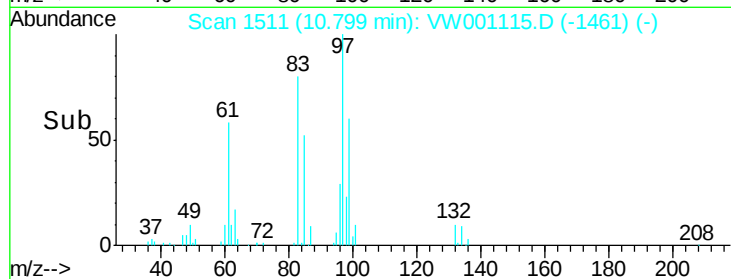
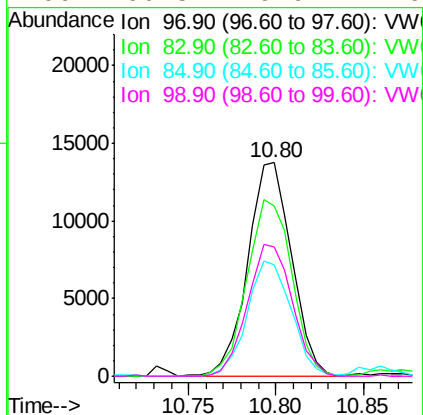
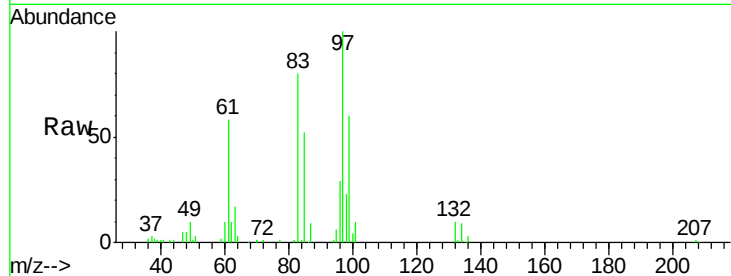
#55
 1,1,2-Trichloroethane
 Concen: 10.01 ug/l
 RT: 10.80 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.7	101.5
85	52.4	43.0	64.6
99	60.5	49.9	74.9

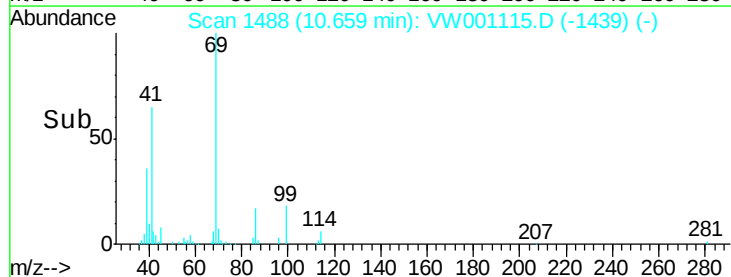
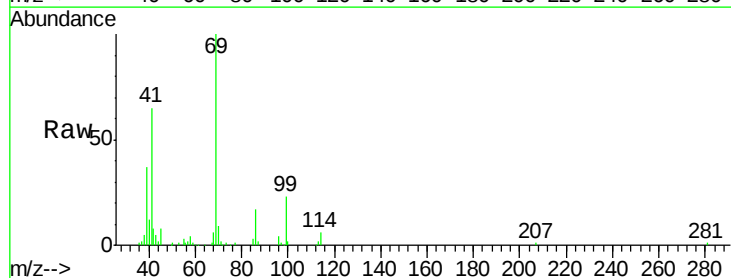
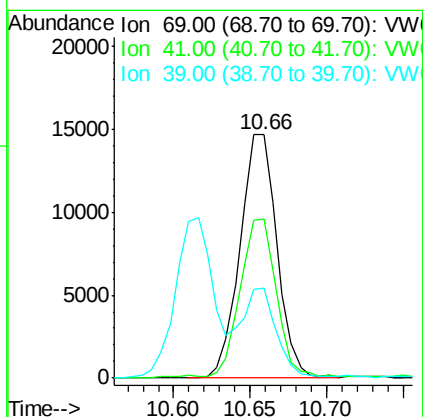
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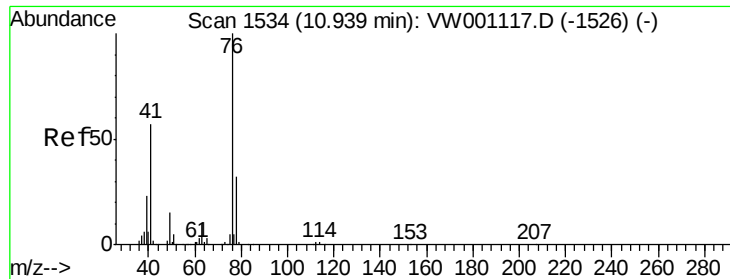
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#56
 Ethyl methacrylate
 Concen: 8.77 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.4	50.6	75.8
39	34.1	27.5	41.3





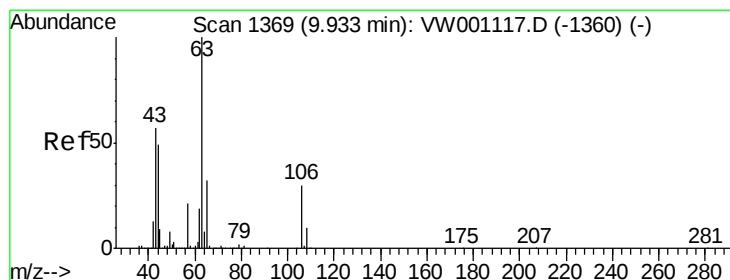
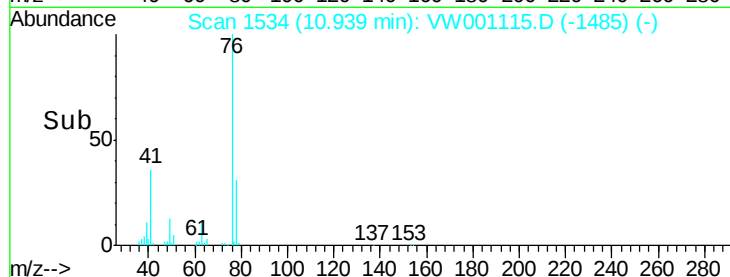
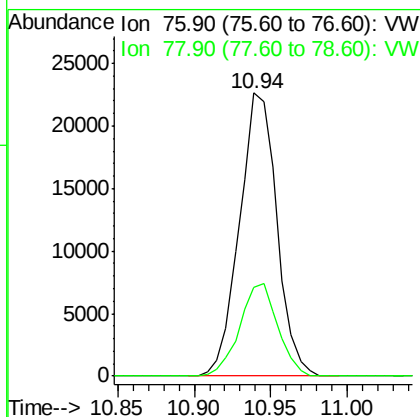
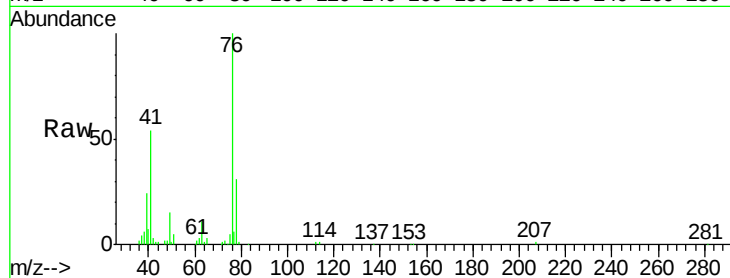
#57
 1,3-Dichloropropane
 Concen: 9.83 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.7	38.5

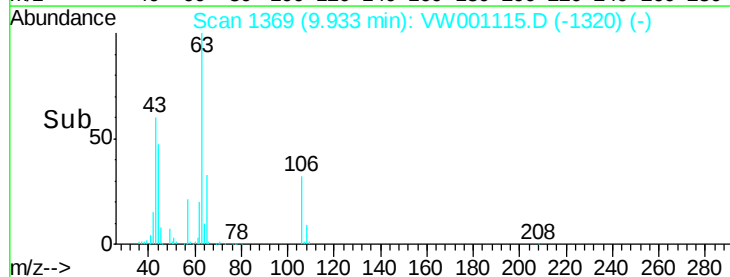
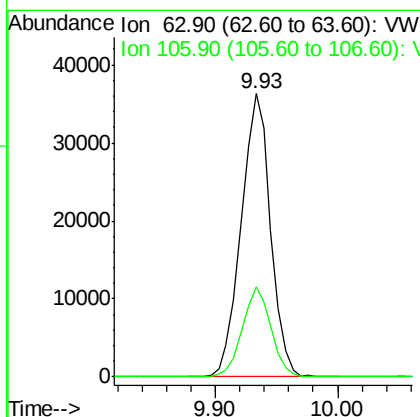
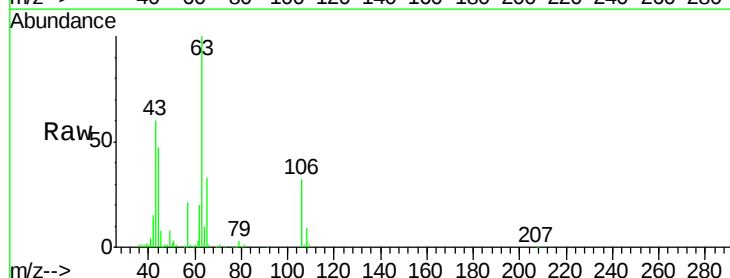
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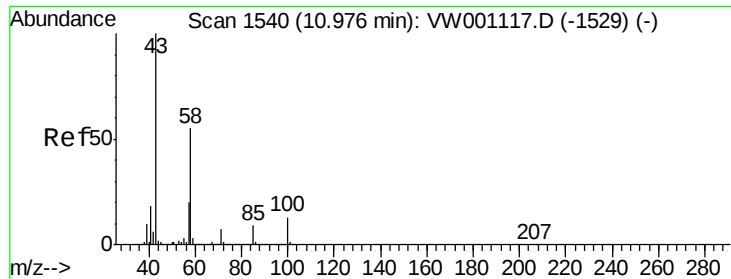
MMDadoda
 1/30/2018 5:46:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.58 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.2	36.4





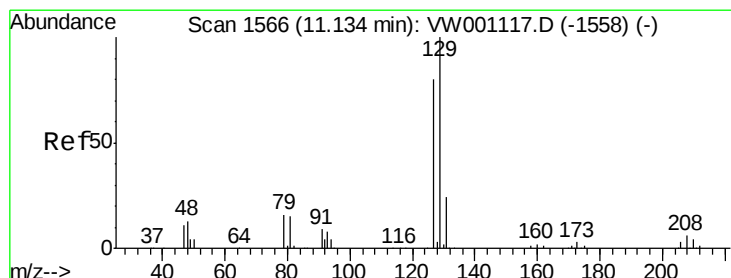
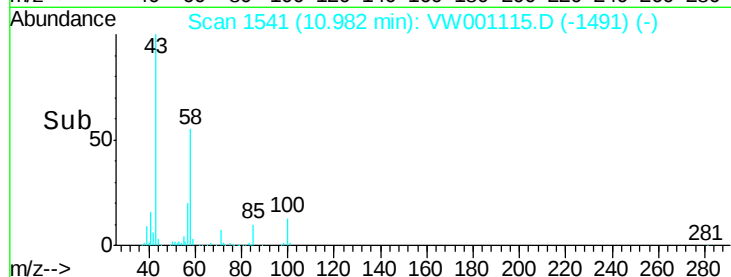
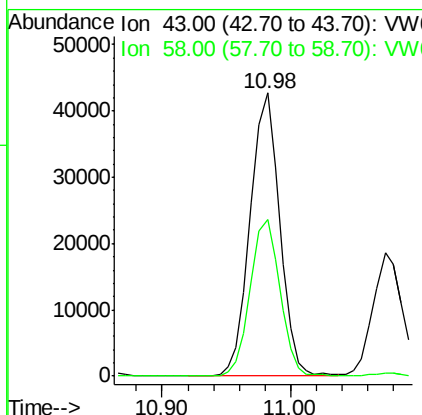
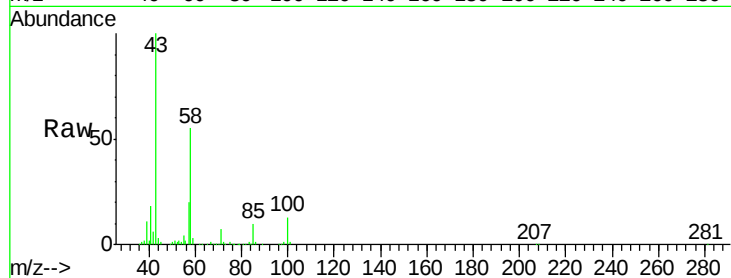
#59
2-Hexanone
Concen: 44.71 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 67967
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.0

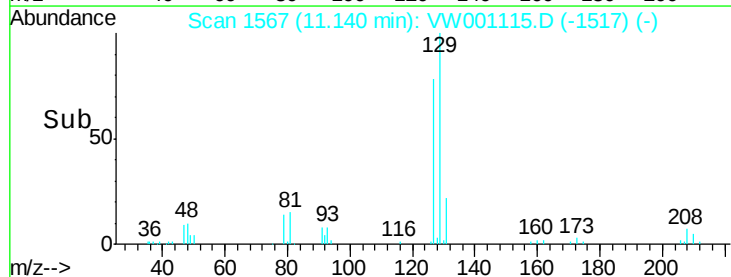
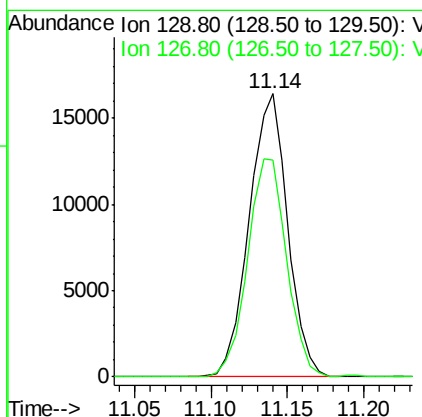
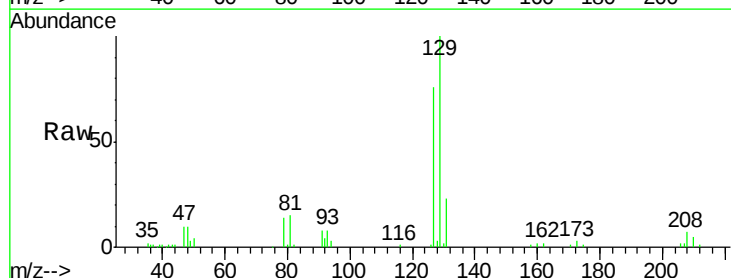
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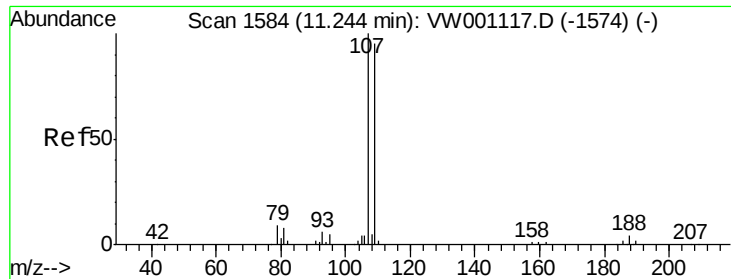
MMDadoda
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#60
Dibromochloromethane
Concen: 9.79 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:129 Resp: 28680
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





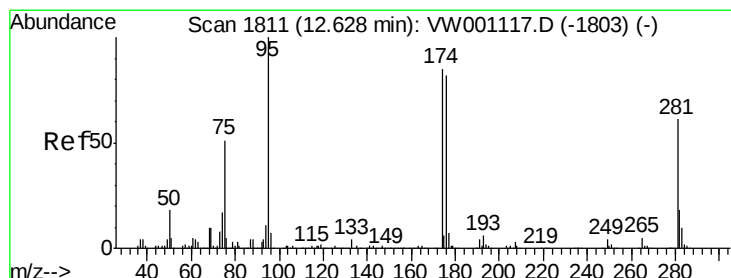
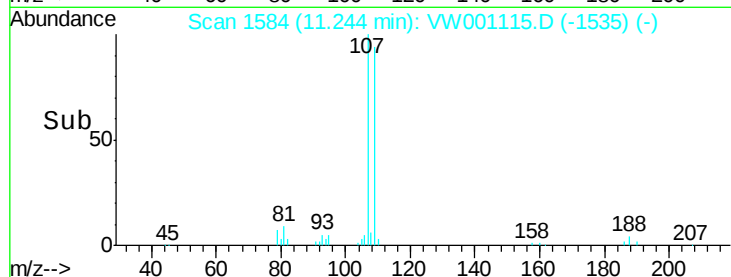
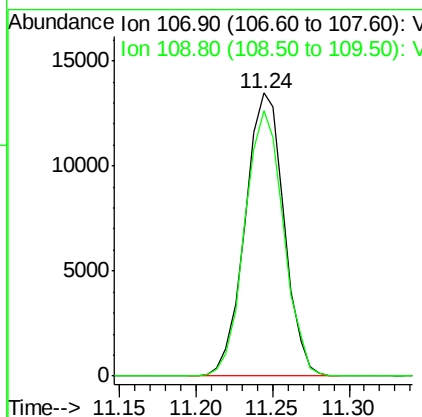
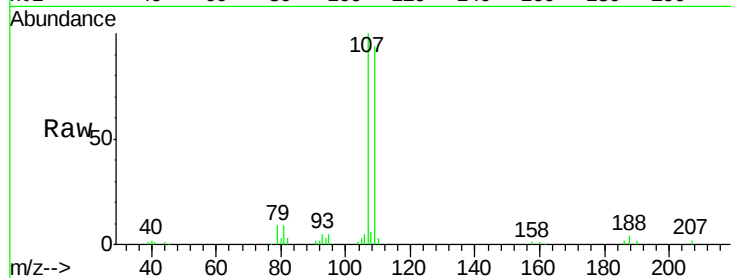
#61
 1,2-Dibromoethane
 Concen: 9.84 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.8	113.8

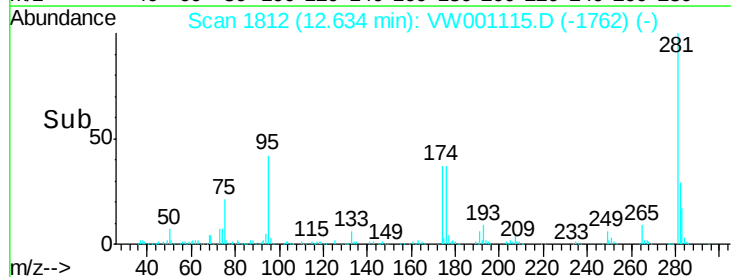
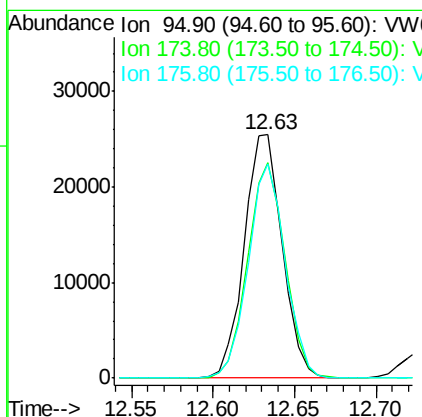
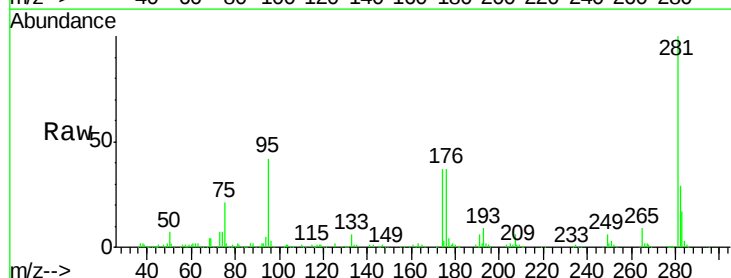
Manual Integrations
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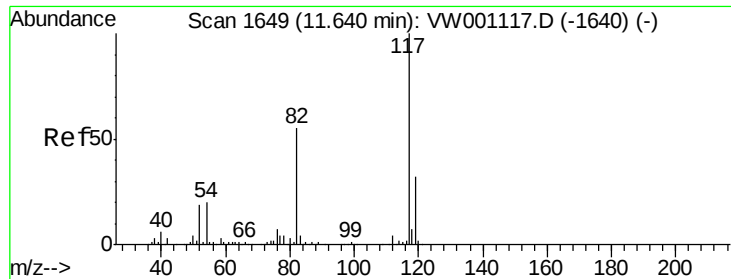
MMDadoda
 1/30/2018 5:46:51 PM



#62
 4-Bromofluorobenzene
 Concen: 10.16 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	179.6
176	85.5	0.0	174.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

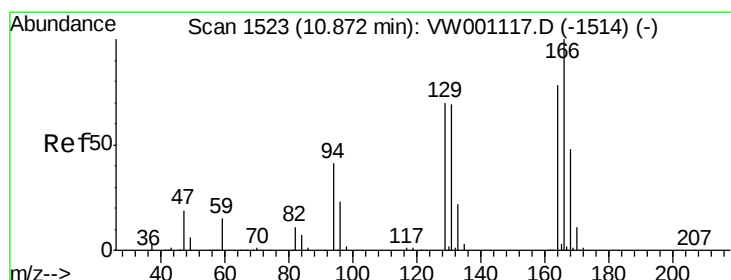
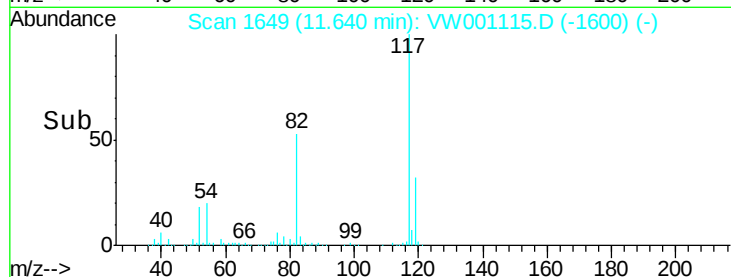
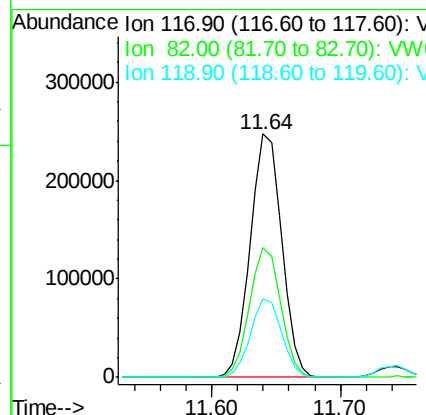
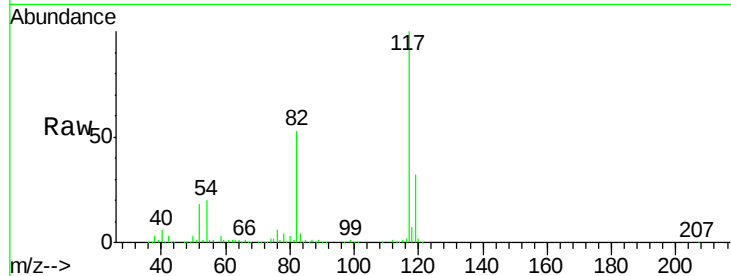
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.8	65.8
119	32.3	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 10.22 ug/l

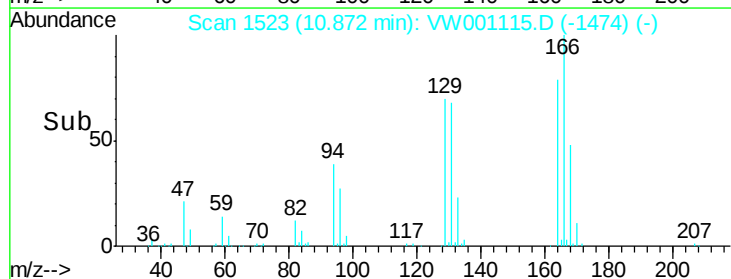
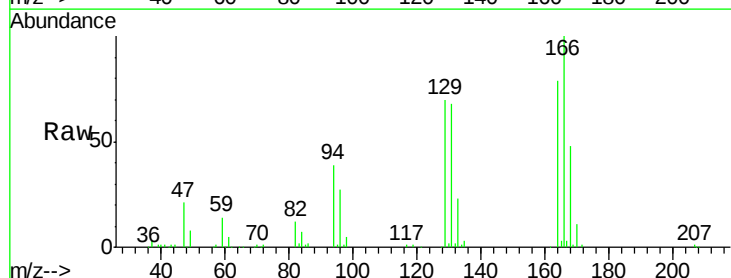
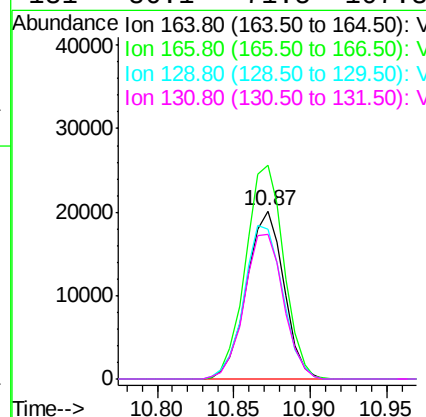
RT: 10.87 min Scan# 1523

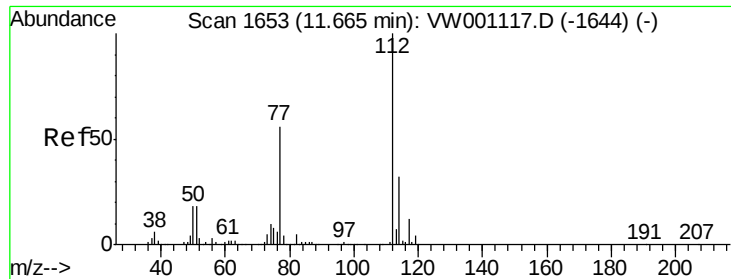
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.1	154.7
129	88.9	72.3	108.5
131	86.1	71.5	107.3





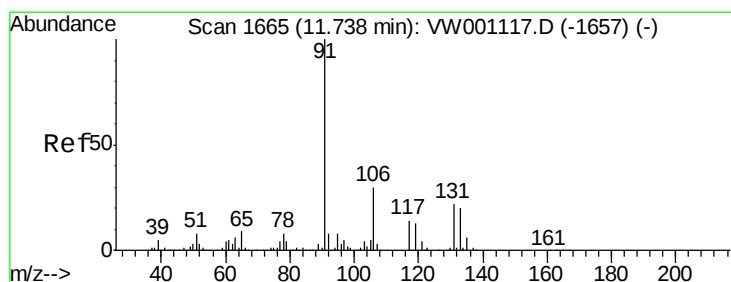
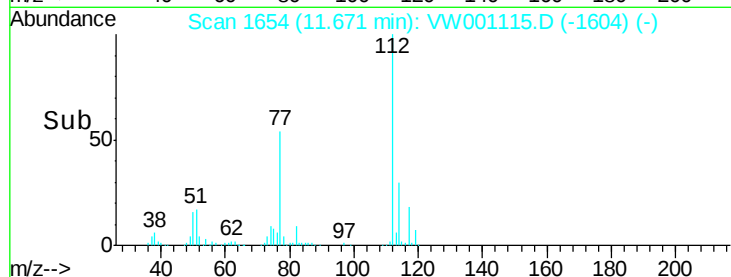
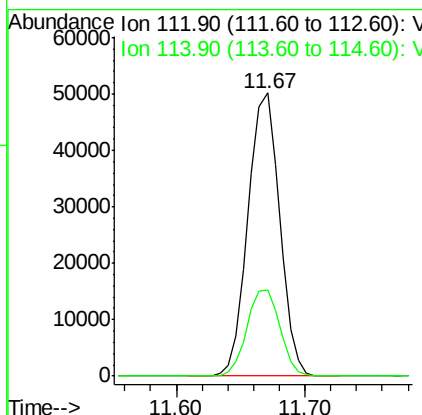
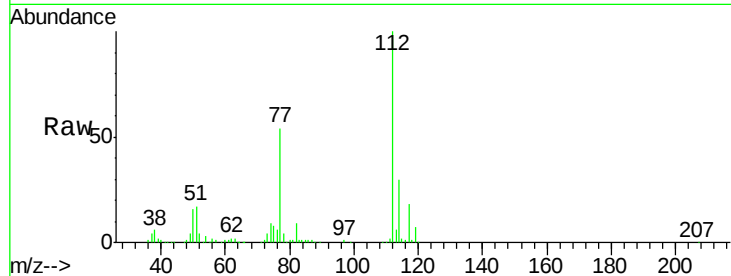
#65
Chlorobenzene
Concen: 10.13 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.5	38.3

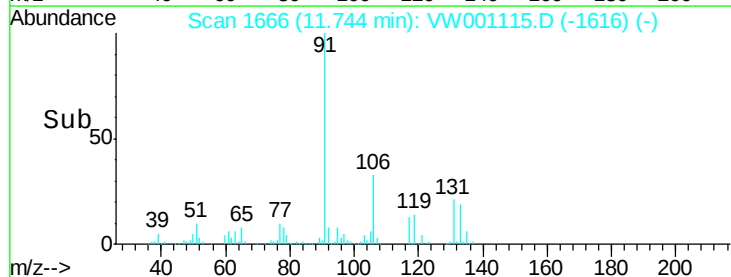
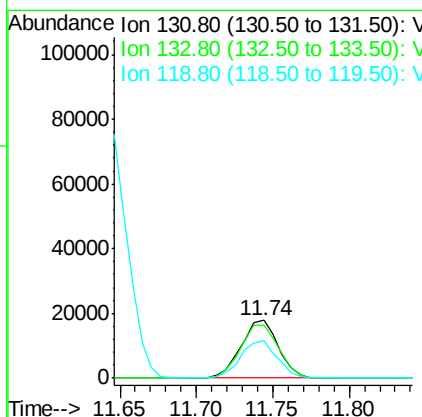
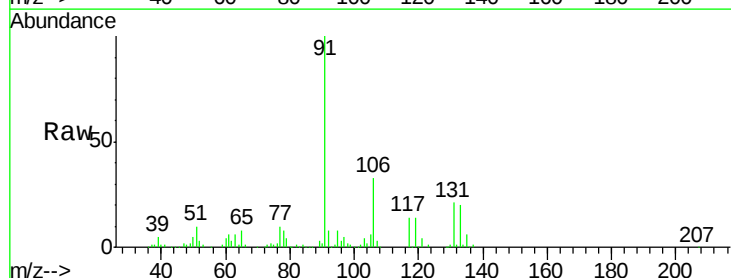
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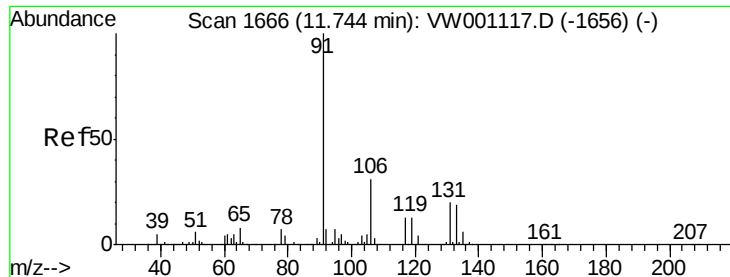
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.90 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.8
119	64.5	31.5	94.5





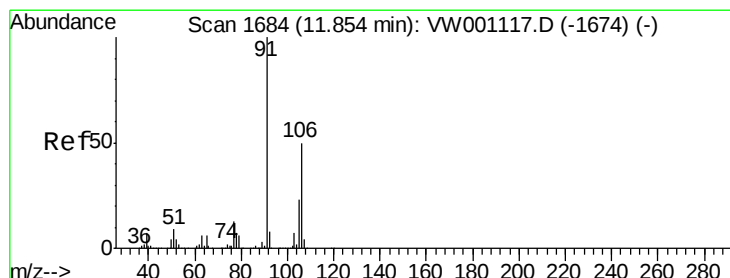
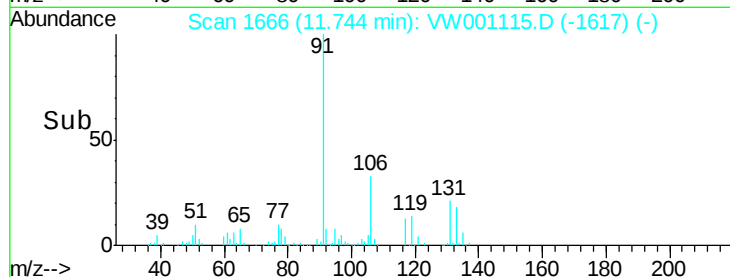
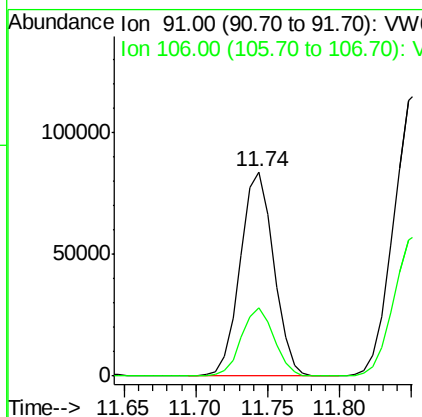
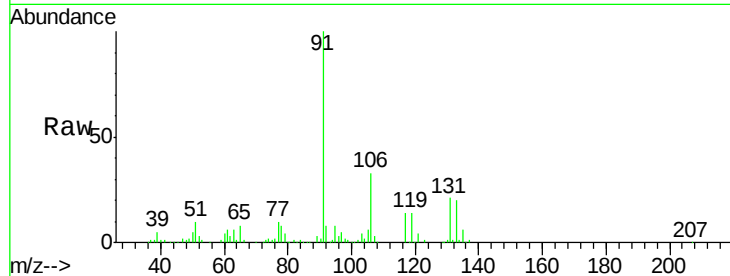
#67
Ethyl Benzene
Concen: 9.65 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.4	24.6	36.8

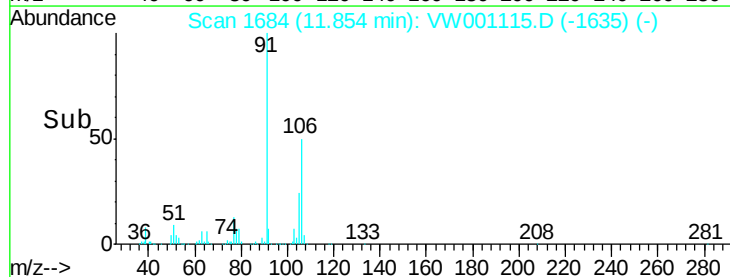
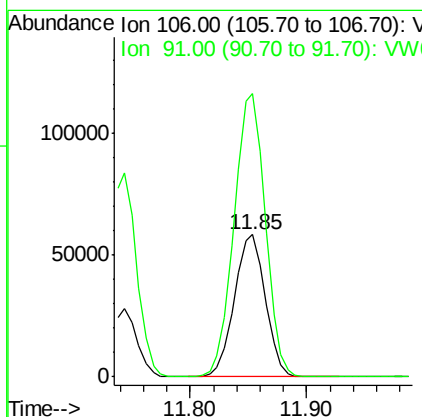
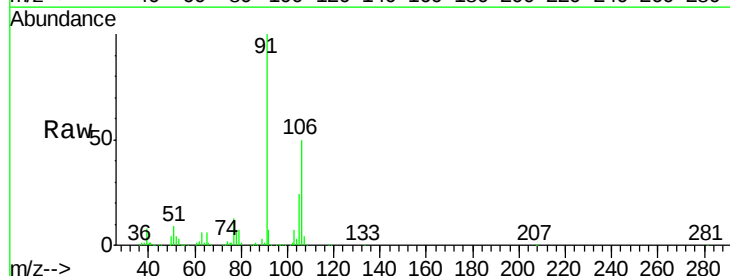
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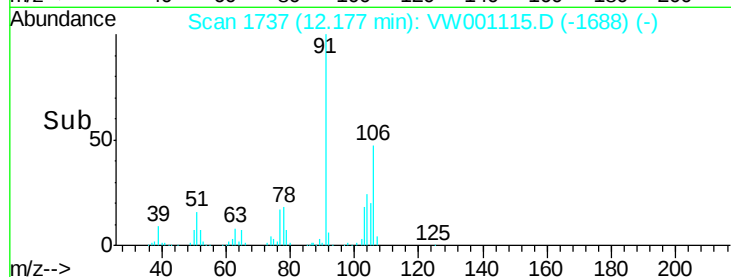
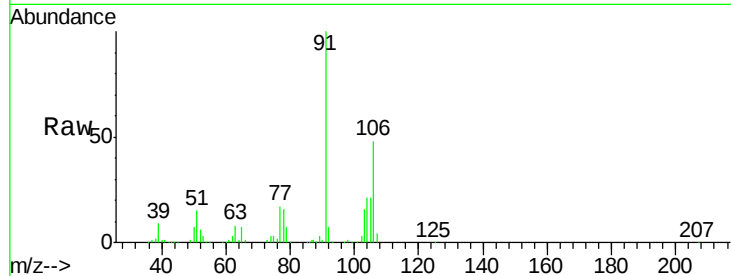
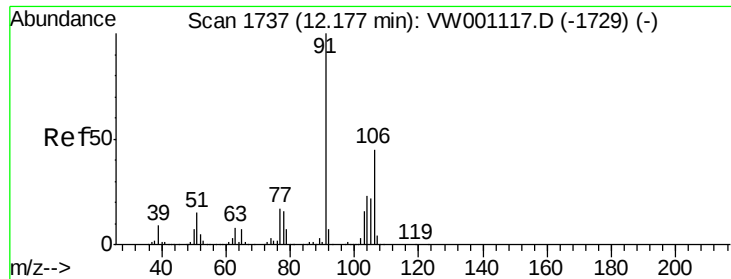
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#68
m/p-Xylenes
Concen: 19.82 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.4	163.1	244.7





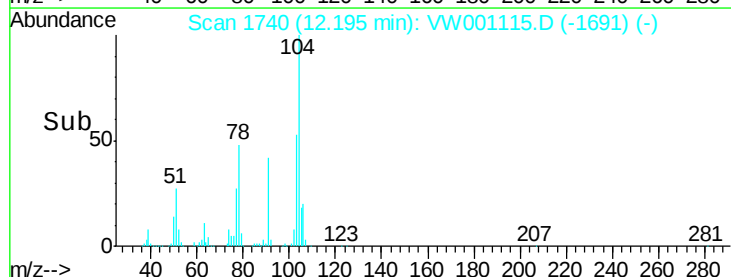
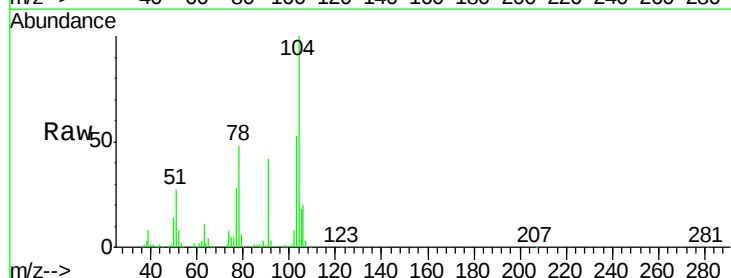
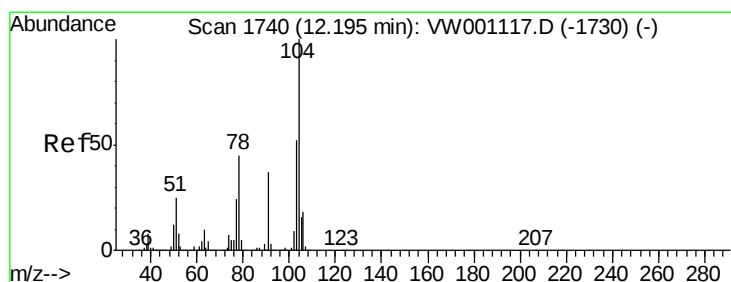
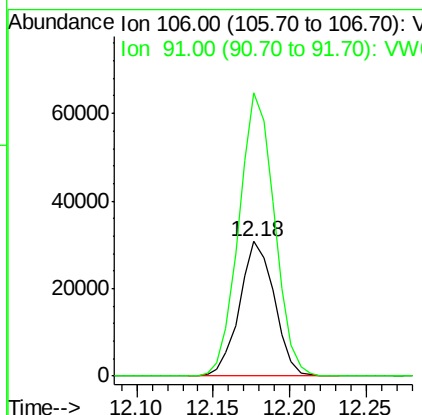
#69
o-Xylene
Concen: 9.67 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tot Ion:106 Resp: 48727
Ion Ratio Lower Upper
106 100
91 214.0 107.6 322.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

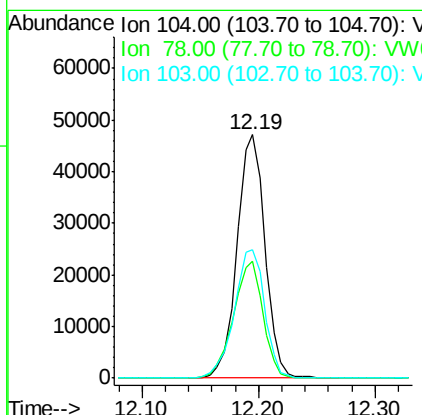
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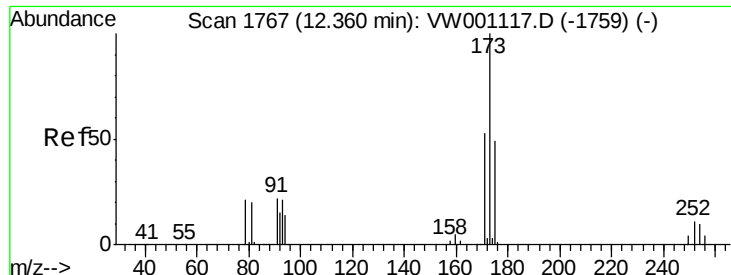
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#70
Styrene
Concen: 9.56 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:104 Resp: 79201
Ion Ratio Lower Upper
104 100
78 50.6 39.9 59.9
103 57.4 44.7 67.1





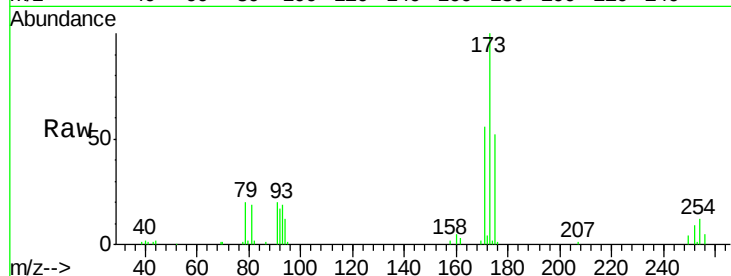
#71
Bromoform
Concen: 9.47 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

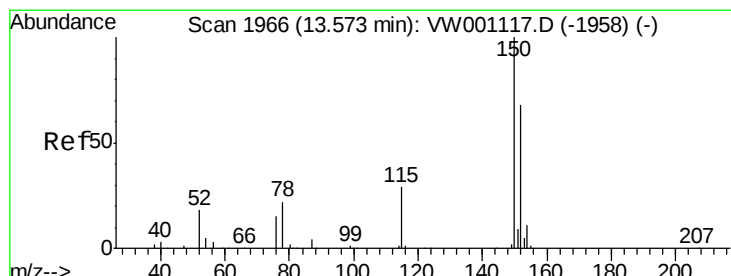
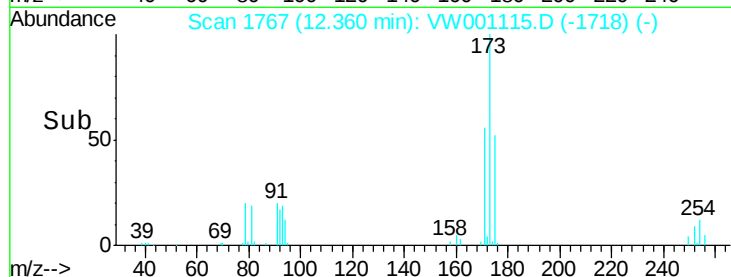
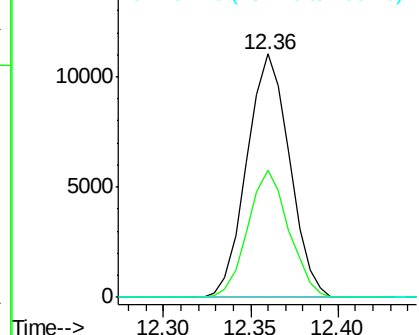
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.9	74.6
254	0.0	0.1	0.1#

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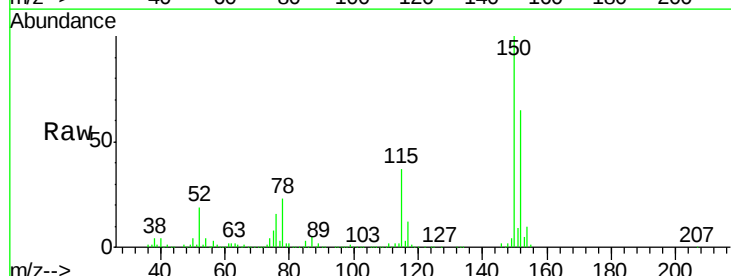


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

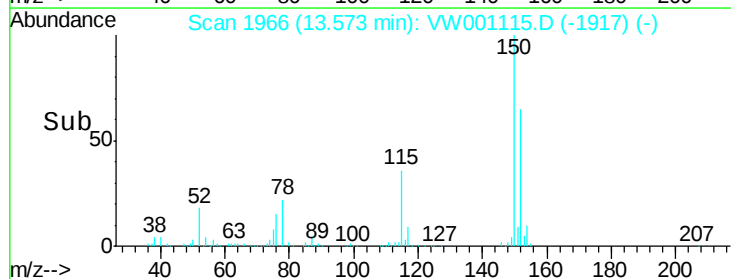
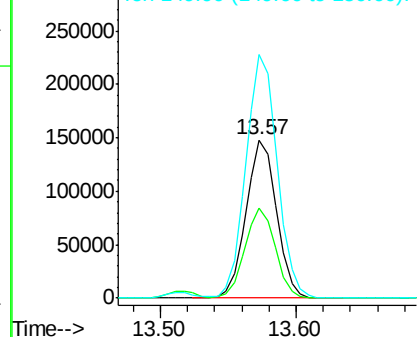


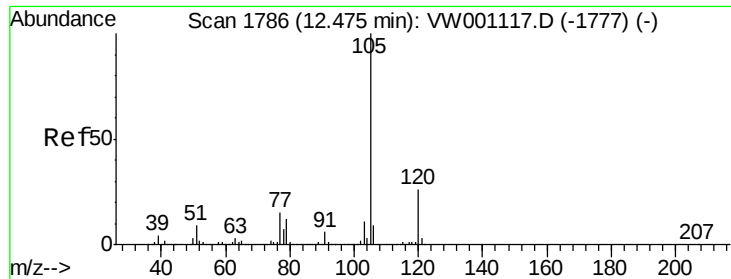
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.3
150	158.7	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





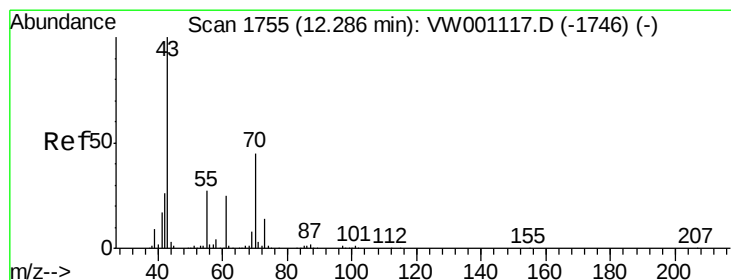
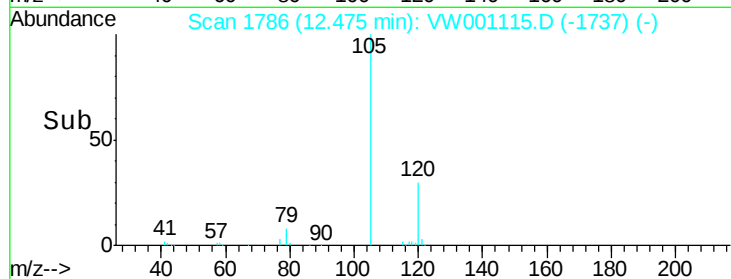
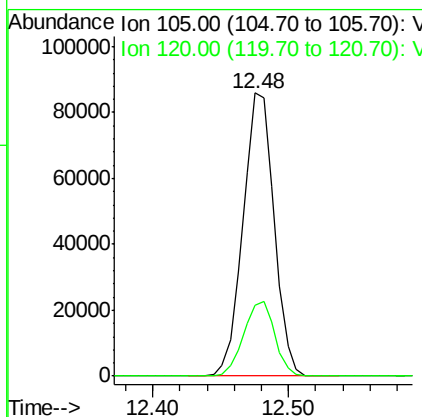
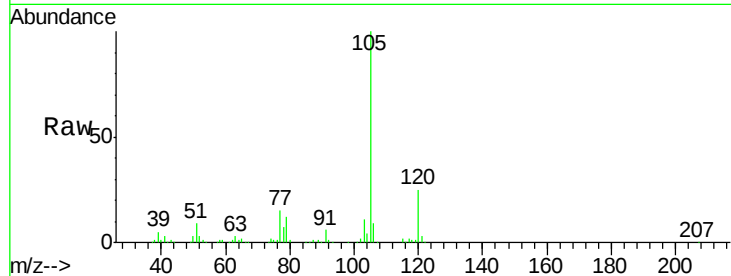
#73
Isopropylbenzene
Concen: 9.46 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

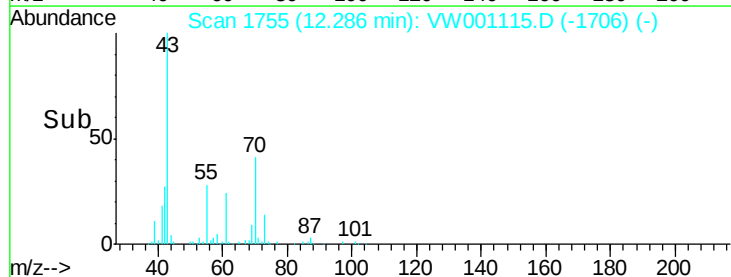
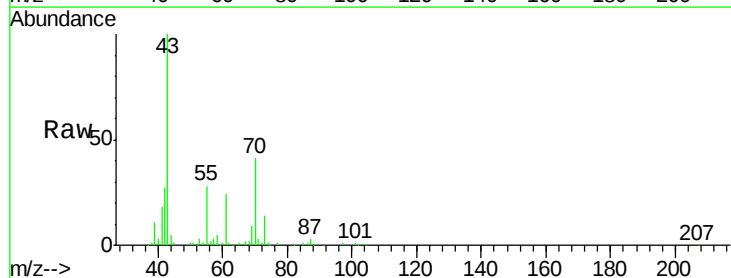
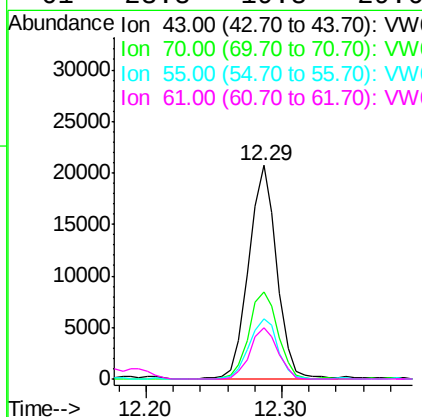
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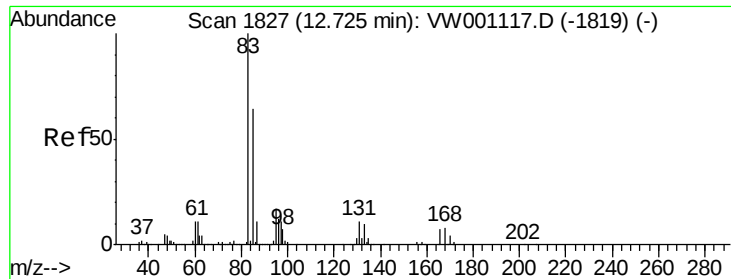
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#74
N-ethyl acetate
Concen: 9.05 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	36.0	54.0
55	29.3	21.7	32.5
61	23.8	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 9.42 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

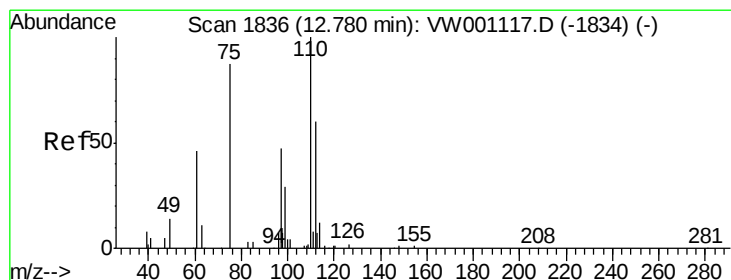
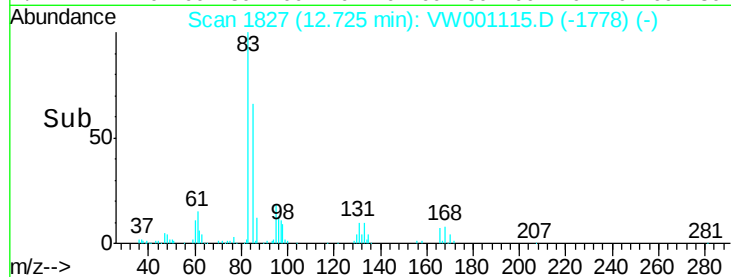
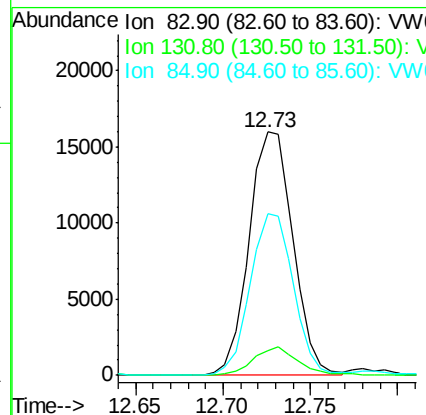
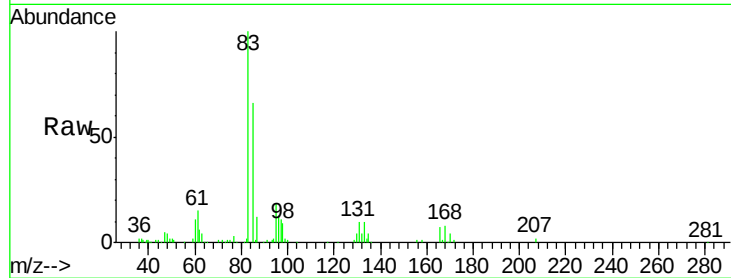
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	27960
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.4
85	65.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.77 ug/l m

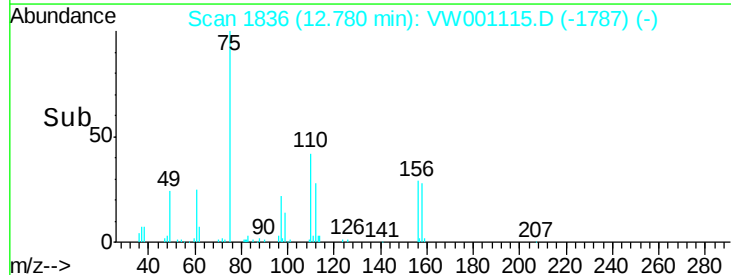
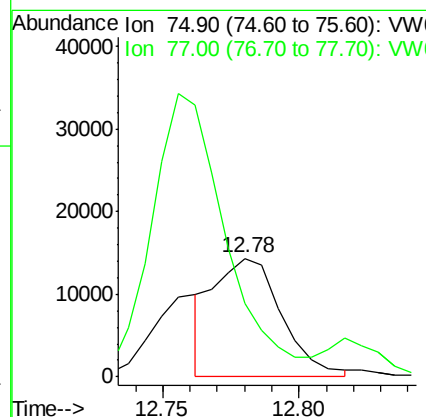
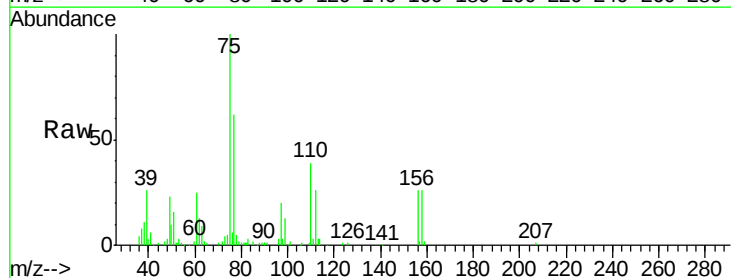
RT: 12.78 min Scan# 1836

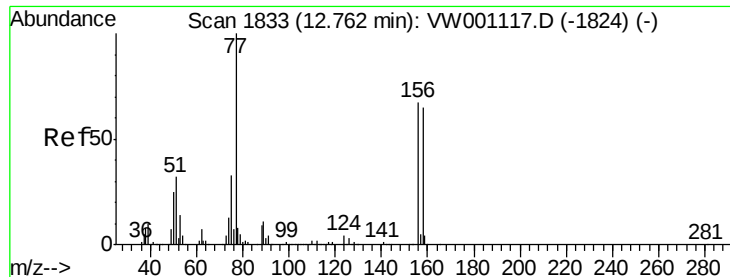
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	75	Resp:	24762
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





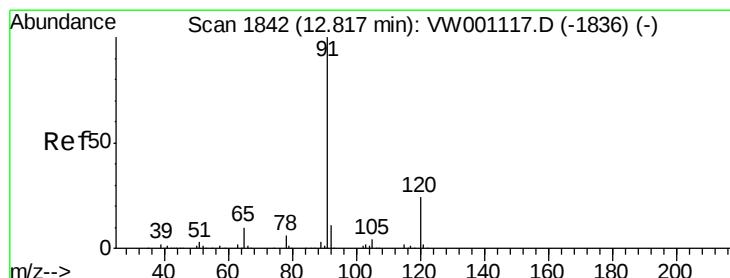
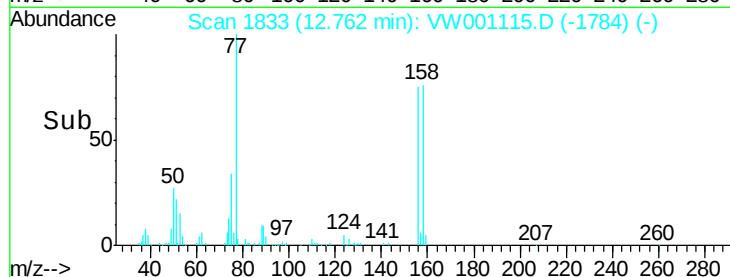
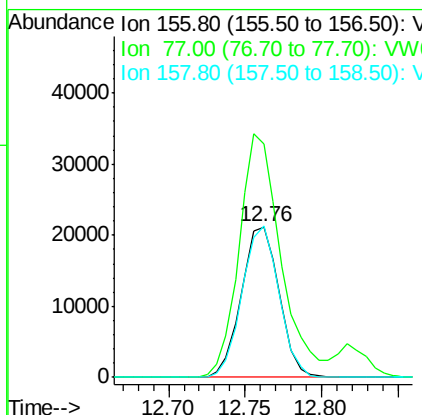
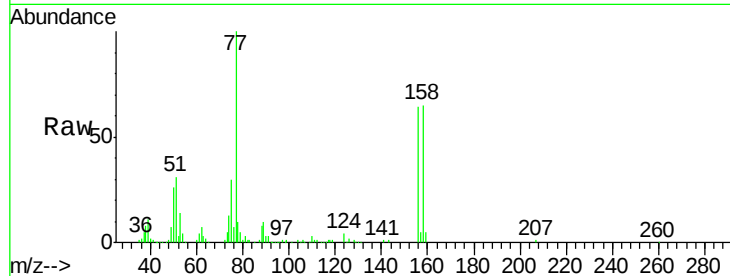
#77
Bromobenzene
Concen: 9.67 ug/l
RT: 12.76 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.2	85.3	255.8
158	97.8	48.9	146.7

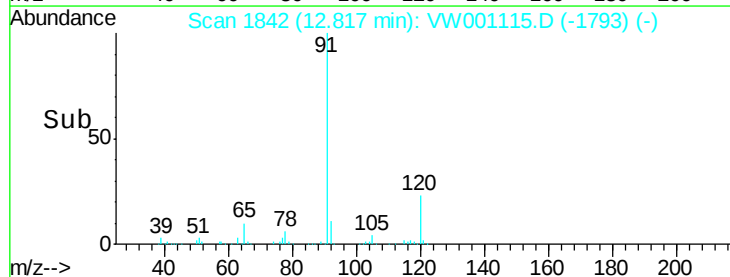
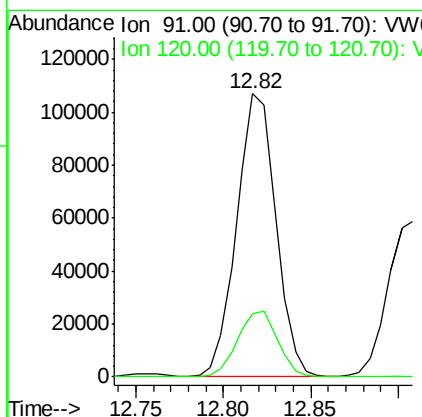
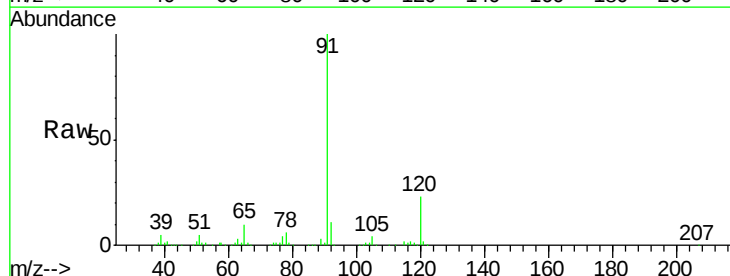
Manual Integrations
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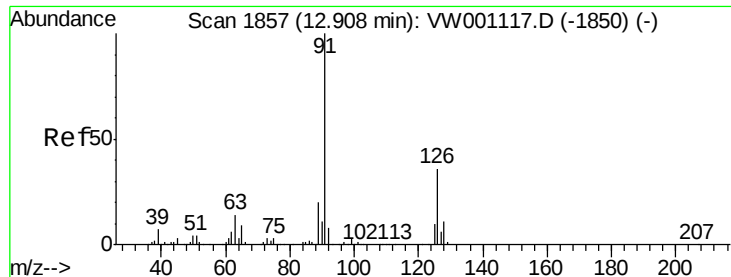
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#78
n-propylbenzene
Concen: 9.59 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.7





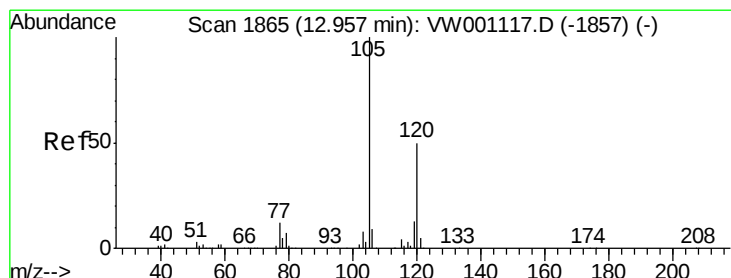
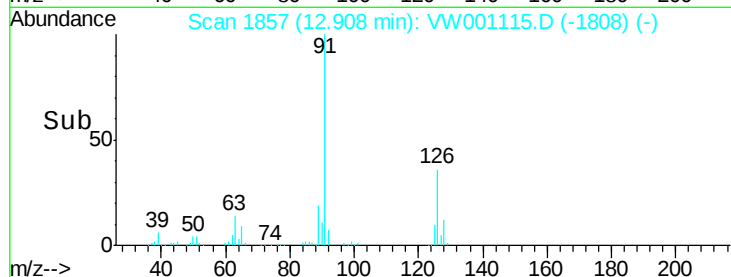
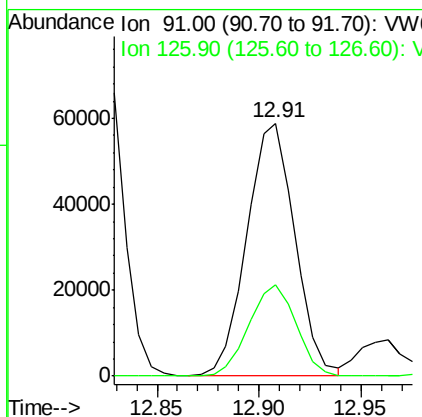
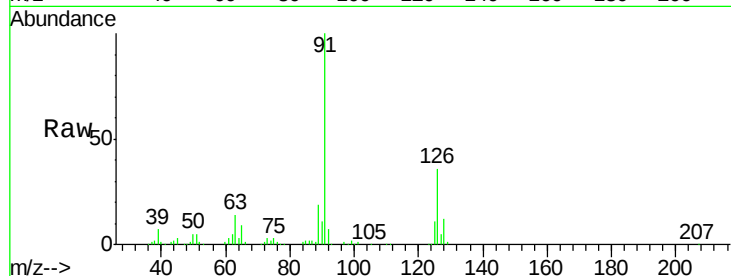
#79
 2-Chlorotoluene
 Concen: 9.69 ug/l
 RT: 12.91 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6

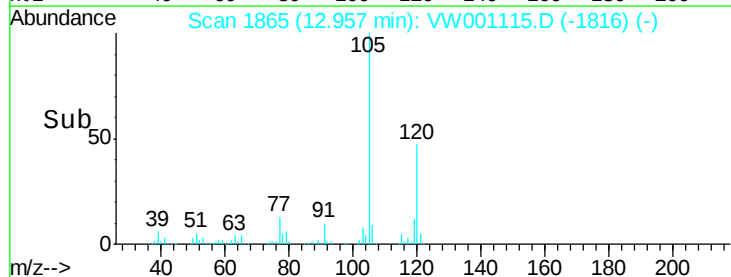
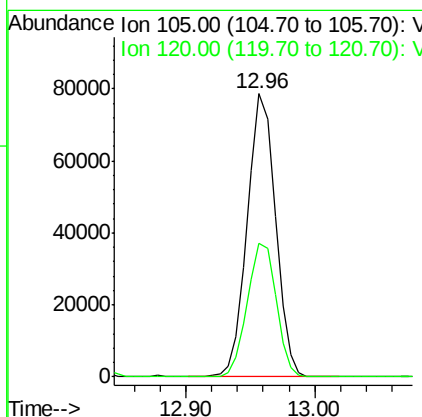
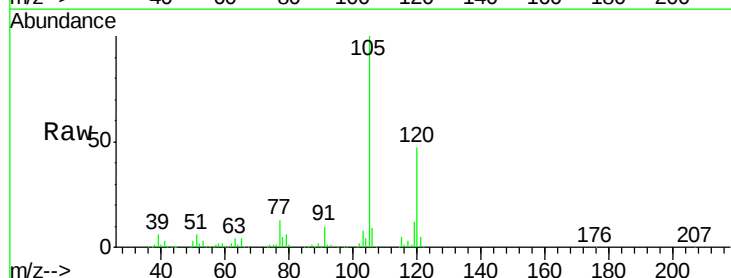
Manual Integrations
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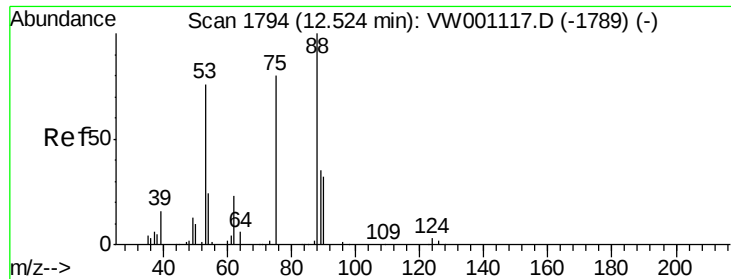
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.60 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.9	74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 8.83 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

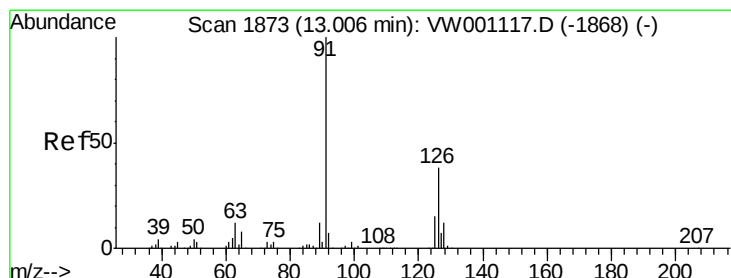
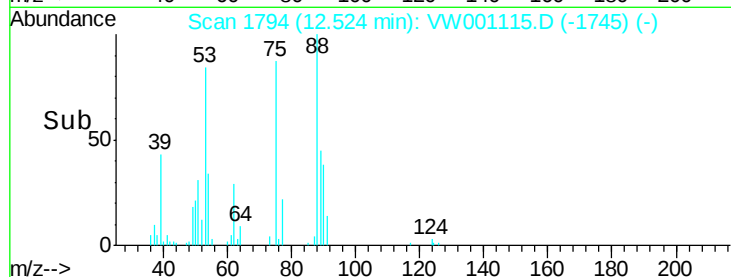
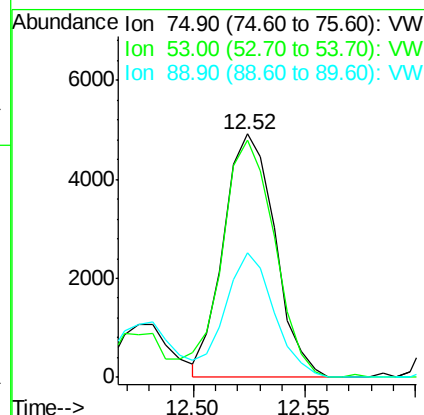
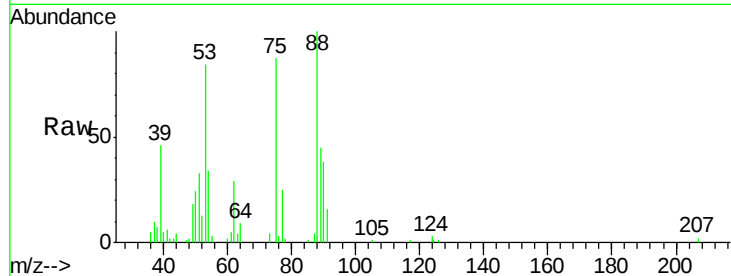
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	7882
Ion	Ratio	Lower	Upper
75	100		
53	99.7	75.0	112.6
89	48.8	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.92 ug/l

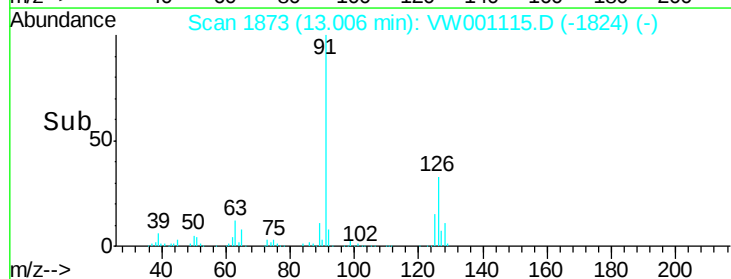
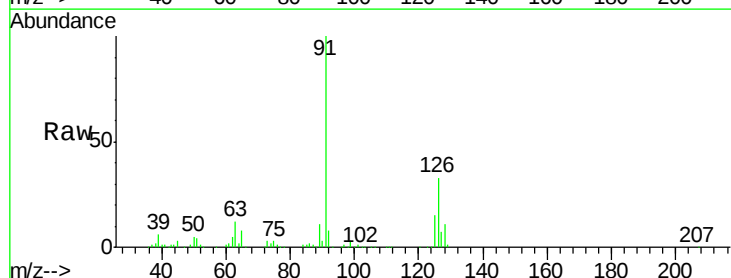
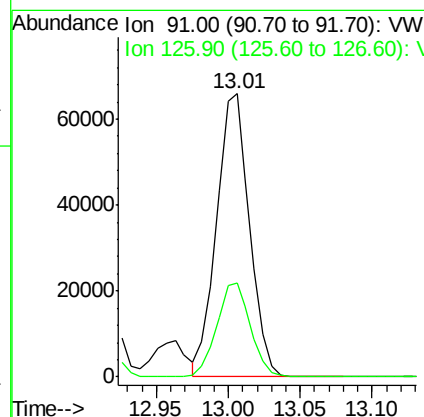
RT: 13.01 min Scan# 1873

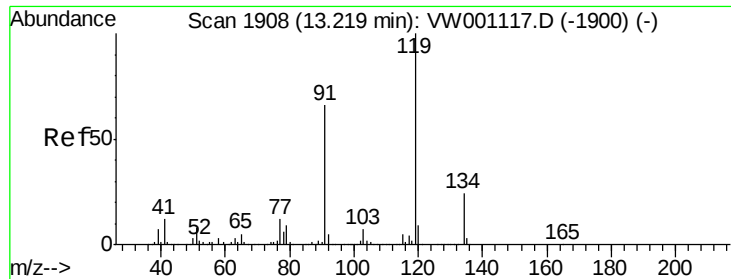
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion:	91	Resp:	105150
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.8	53.4





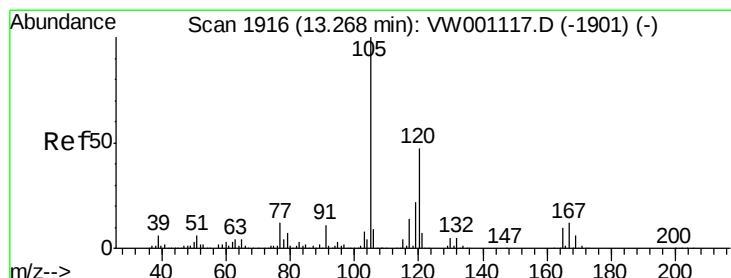
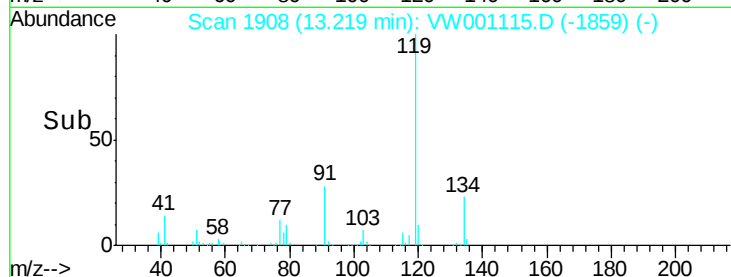
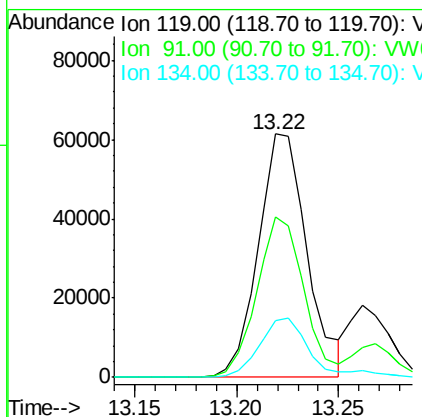
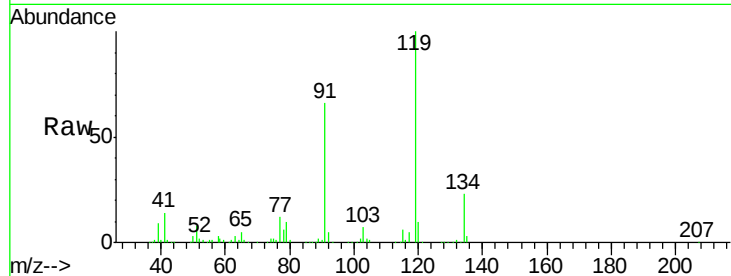
#83
tert-Butylbenzene
Concen: 9.34 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102369		
91	63.6		31.9	95.5
134	25.5		12.7	38.0

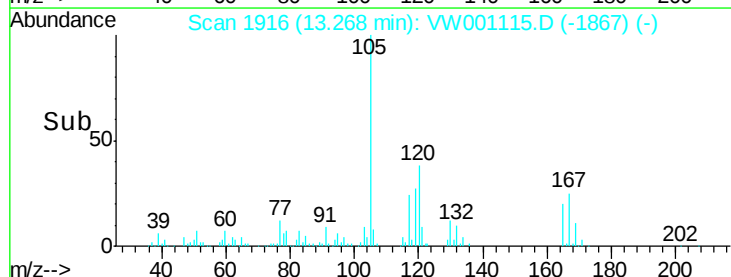
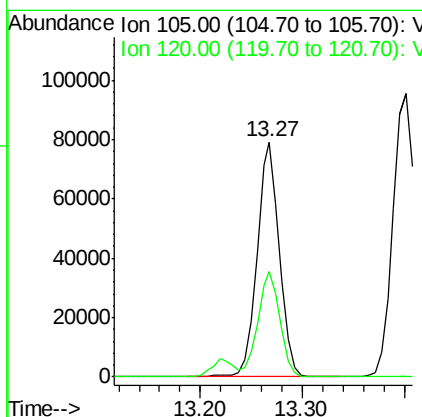
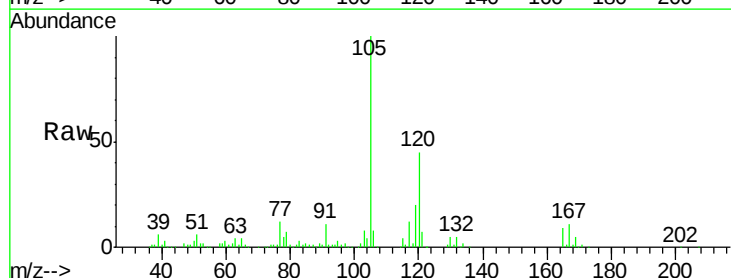
Manual Integrations
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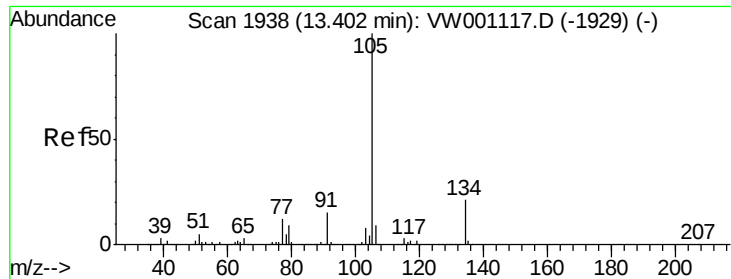
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#84
1,2,4-Trimethylbenzene
Concen: 9.53 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	120292		
120	44.9		22.9	68.8





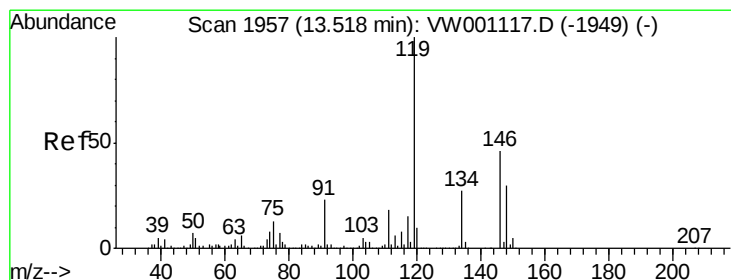
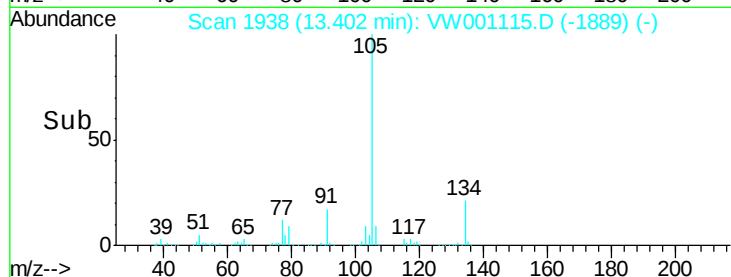
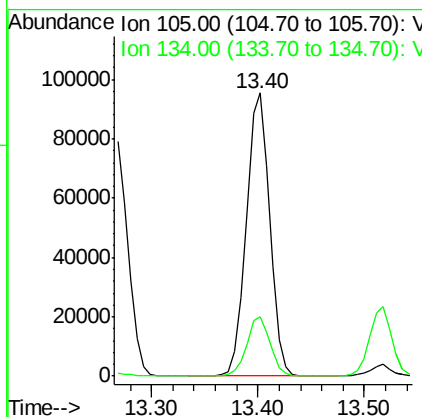
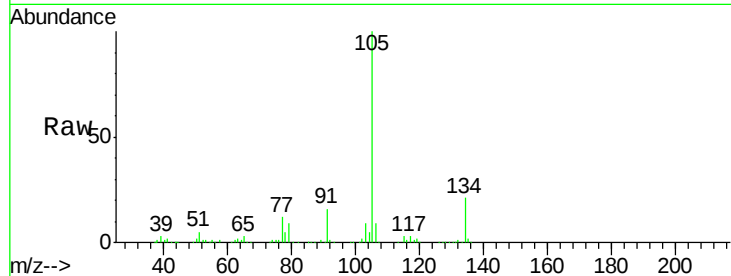
#85
 sec-Butylbenzene
 Concen: 9.50 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.8

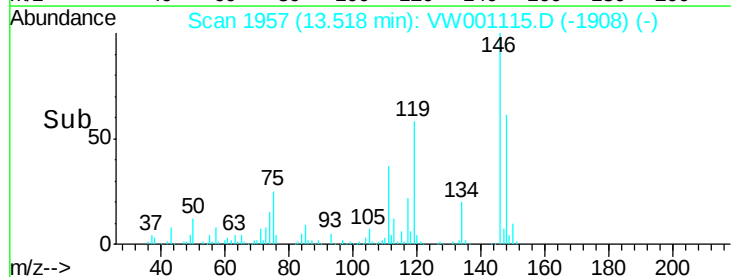
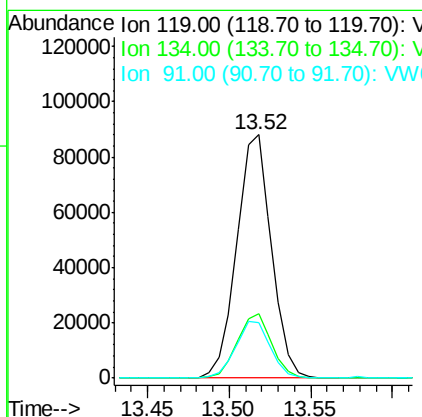
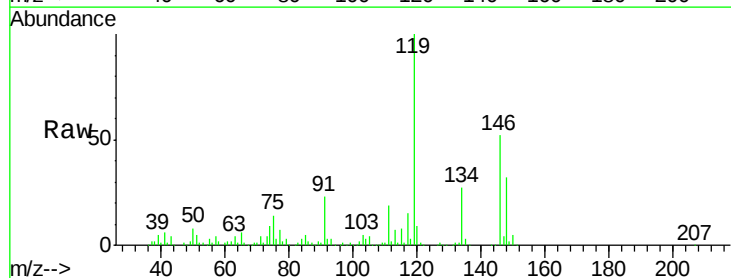
Manual Integrations
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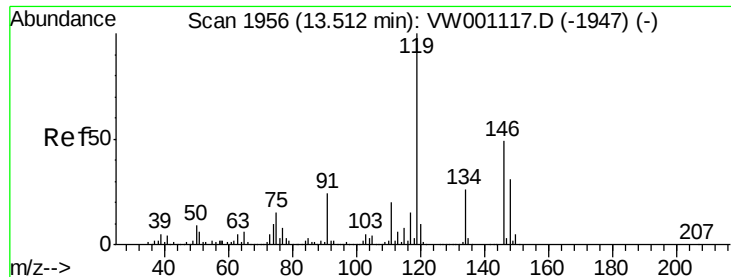
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#86
 p-Isopropyltoluene
 Concen: 9.45 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.1
91	23.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 9.99 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

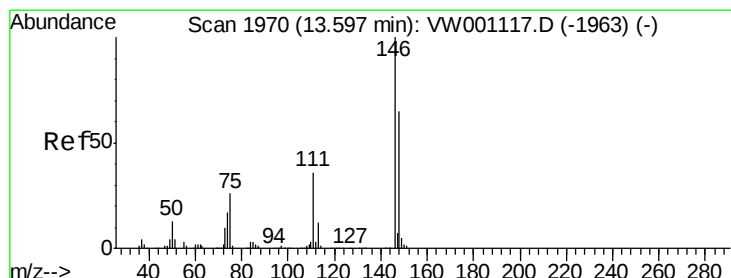
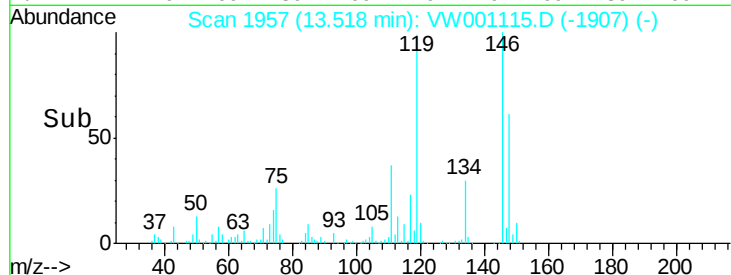
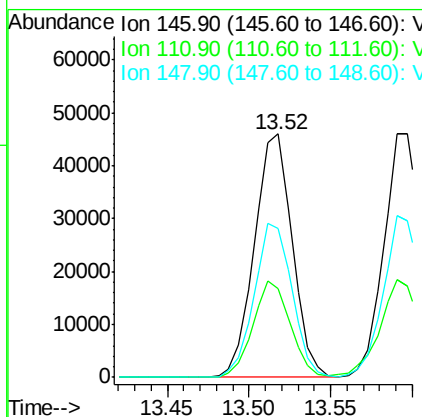
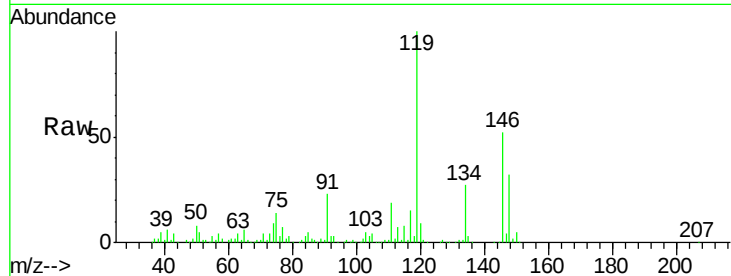
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	63.4	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 9.98 ug/l

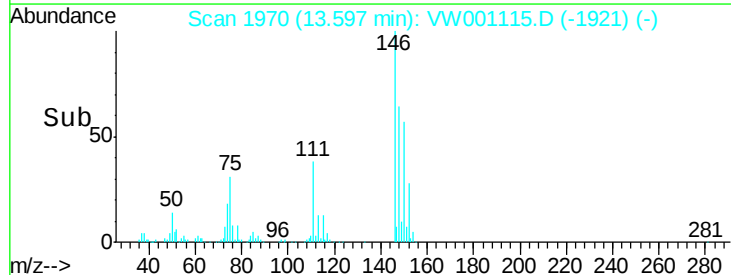
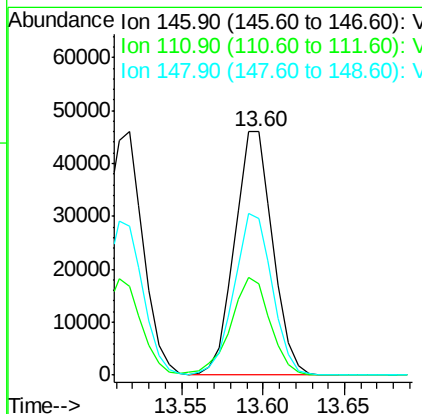
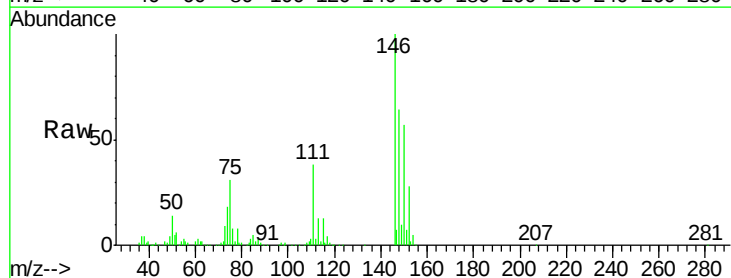
RT: 13.60 min Scan# 1970

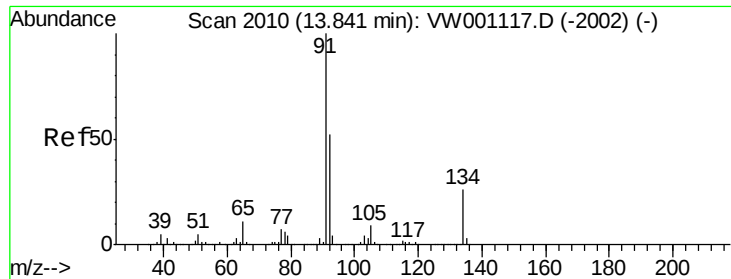
Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.1	57.1
148	66.3	32.5	97.5





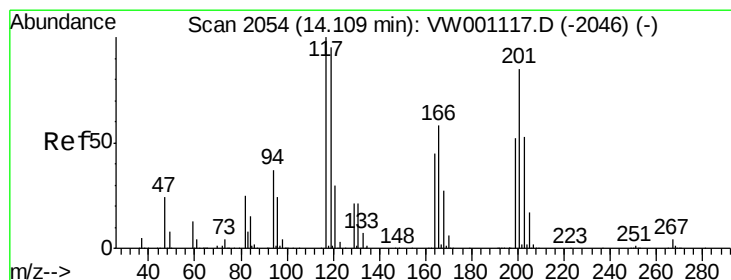
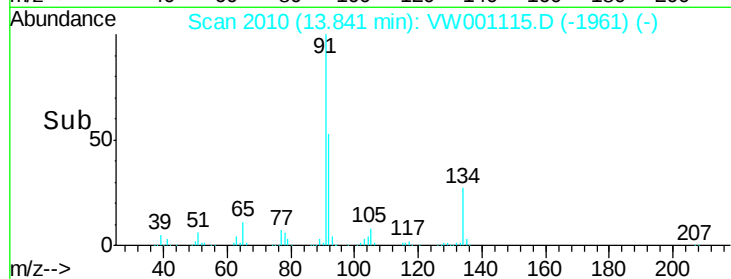
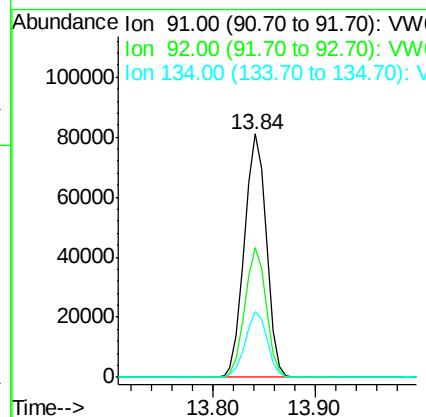
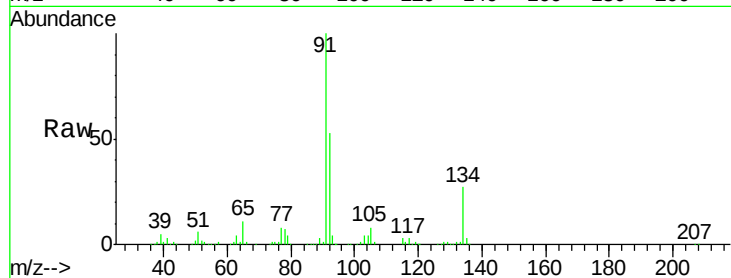
#89
n-Butylbenzene
Concen: 9.39 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	26.7	13.6	40.8

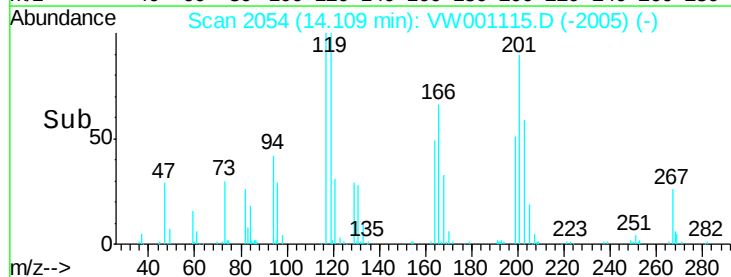
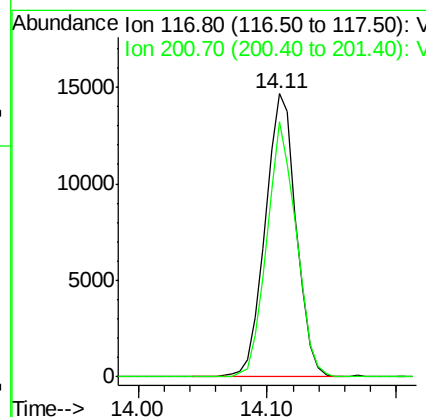
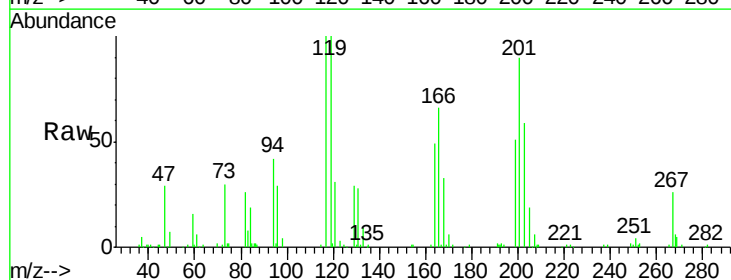
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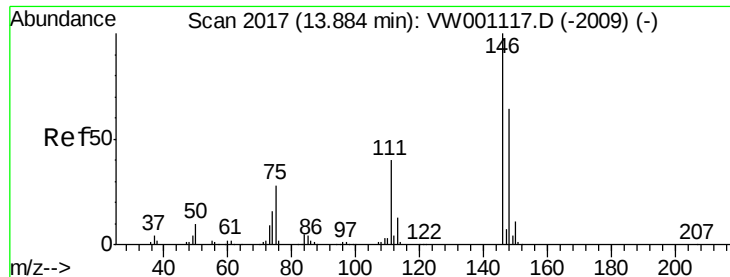
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#90
Hexachloroethane
Concen: 9.48 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 10.05 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:146 Resp: 68428

Ion Ratio Lower Upper

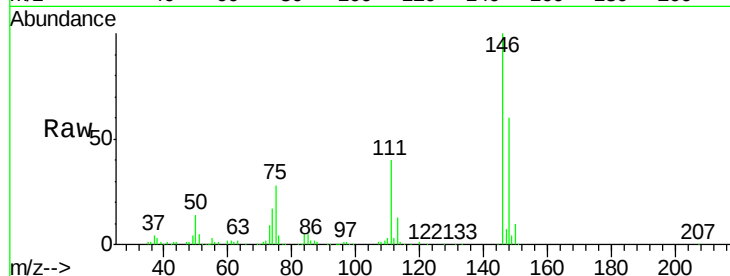
146 100

111 40.0 20.4 61.2

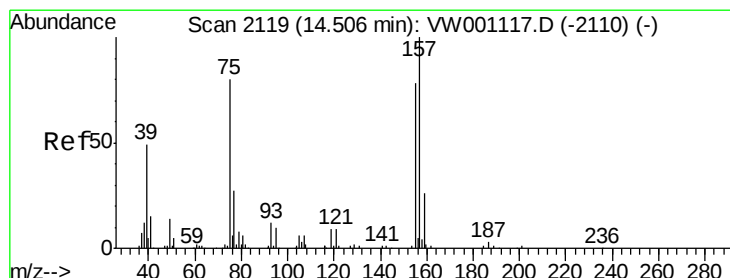
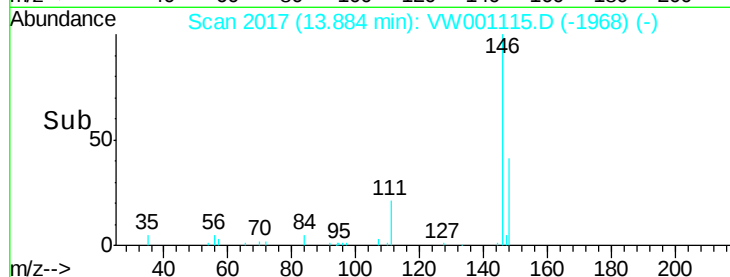
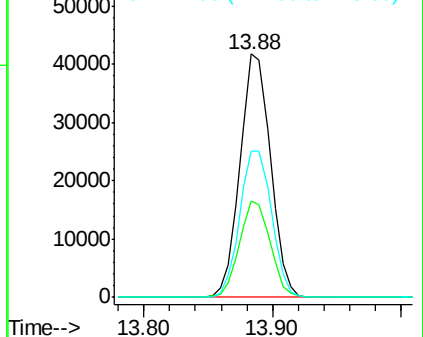
148 62.8 32.2 96.6

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.89 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

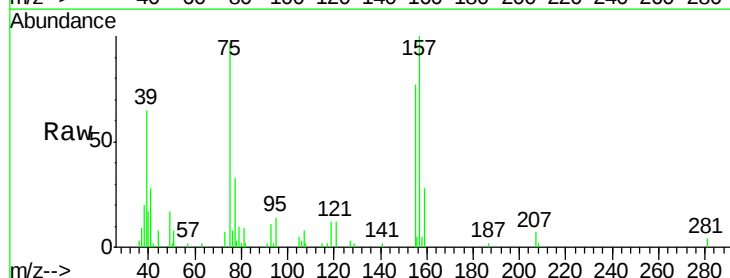
Tgt Ion: 75 Resp: 5323

Ion Ratio Lower Upper

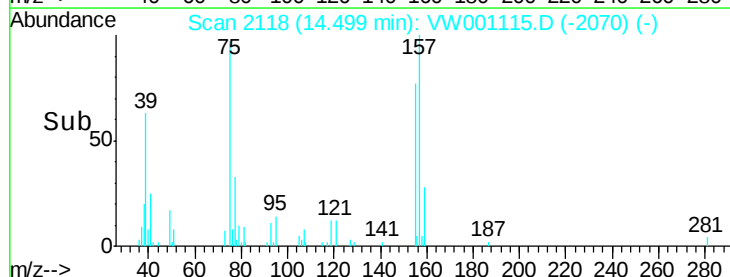
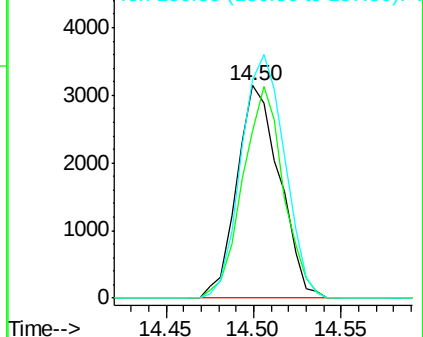
75 100

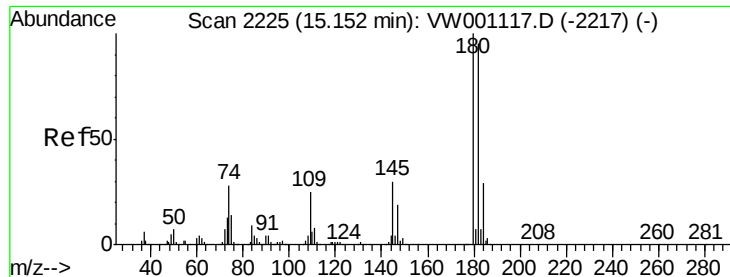
155 95.0 46.3 138.9

157 116.9 60.0 180.0



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





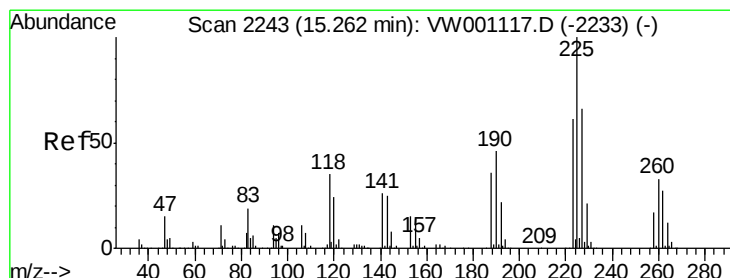
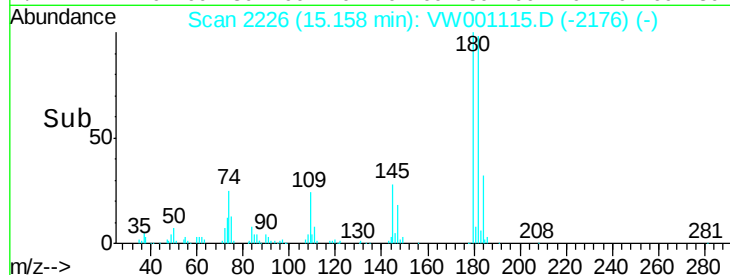
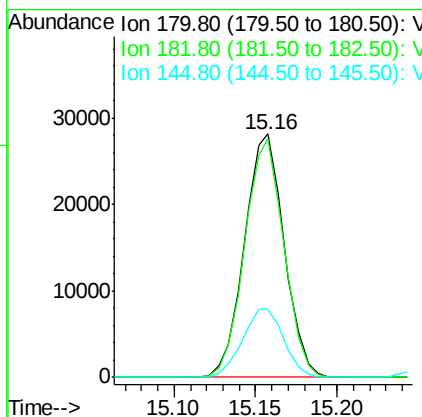
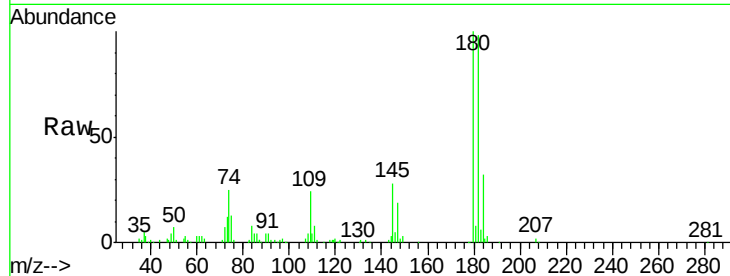
#93
 1,2,4-Trichlorobenzene
 Concen: 9.49 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47528		
182	96.7	47.6	142.9	
145	29.4	15.0	45.1	

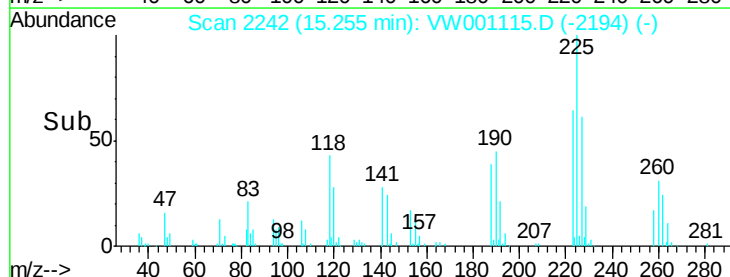
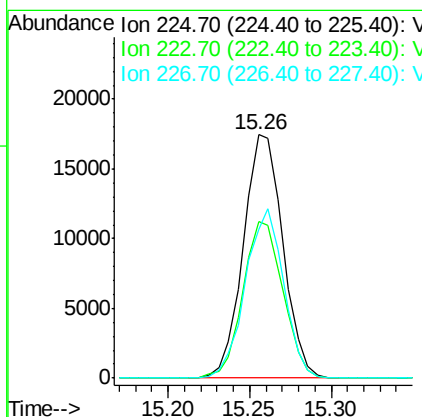
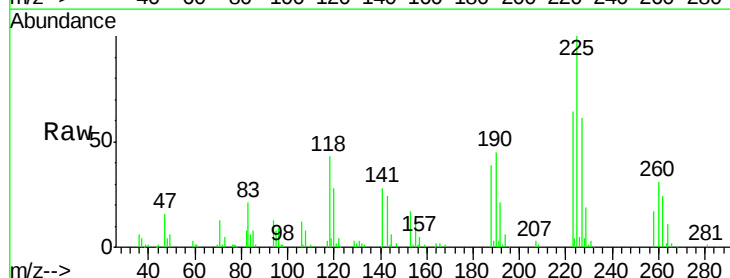
Manual Integrations
 APPROVED

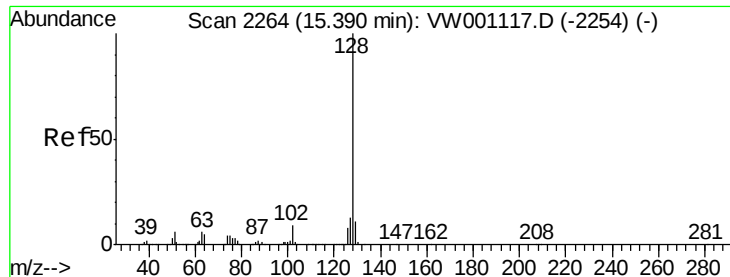
MMDadoda
 1/30/2018 5:46:51 PM



#94
 Hexachlorobutadiene
 Concen: 9.53 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29529		
223	65.0	31.1	93.3	
227	67.2	32.6	97.8	





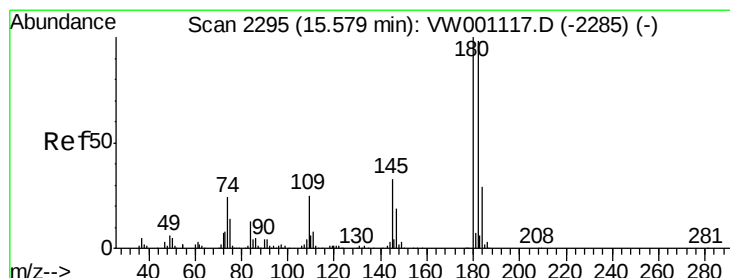
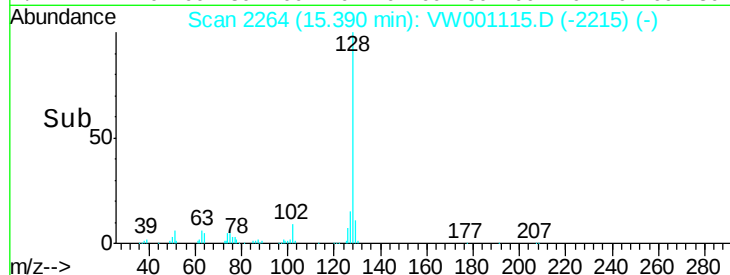
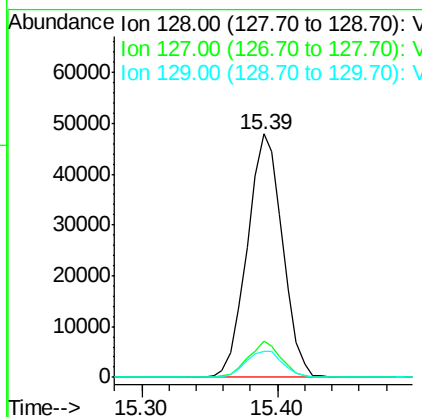
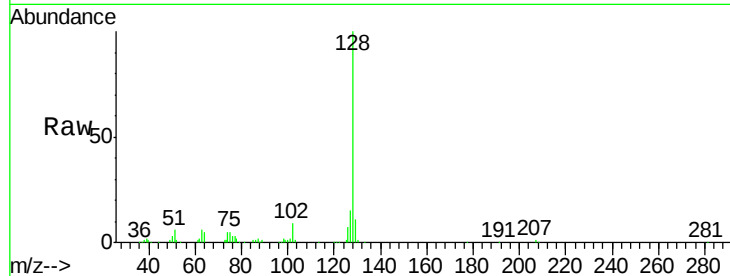
#95
Naphthalene
Concen: 8.76 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2018 5:46:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.69 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.7	146.1
145	30.9	16.0	47.9

