

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070218\
 Data File : VW003684.D
 Acq On : 02 Jul 2018 18:42
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 7/3/2018 10:16:52 AM

Quant Time: Jul 03 02:52:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	306302	112.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.32%	
35) Dibromofluoromethane	7.88	113	264699	108.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.78%	
50) Toluene-d8	10.33	98	1064780	110.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.36%	
62) 4-Bromofluorobenzene	12.62	95	384911	112.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	143192	173.67	ug/l	96
3) Chloromethane	2.21	50	205416	107.19	ug/l	99
4) Vinyl Chloride	2.36	62	273290	98.62	ug/l	100
5) Bromomethane	2.77	94	188215	102.84	ug/l	99
6) Chloroethane	2.92	64	171654	91.07	ug/l	98
7) Trichlorofluoromethane	3.25	101	139757	86.58	ug/l	99
8) Diethyl Ether	3.67	74	136486	111.19	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	240946	104.26	ug/l	99
10) Methyl Iodide	4.26	142	371348	106.51	ug/l	100
11) Tert butyl alcohol	5.21	59	93444	632.81	ug/l	98
12) 1,1-Dichloroethene	4.03	96	242126	106.47	ug/l	98
13) Acrolein	3.89	56	26717	147.62	ug/l	96
14) Allyl chloride	4.65	41	433520	110.69	ug/l	99
15) Acrylonitrile	5.37	53	327175	636.06	ug/l	100
16) Acetone	4.14	43	332342	574.38	ug/l	99
17) Carbon Disulfide	4.37	76	774065	113.79	ug/l	100
18) Methyl Acetate	4.67	43	153136	113.85	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	503982	118.19	ug/l	99
20) Methylene Chloride	4.91	84	266409	94.77	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	274547	110.62	ug/l	99
22) Diisopropyl ether	6.31	45	887177	112.17	ug/l	99
23) Vinyl Acetate	6.26	43	2936770	635.35	ug/l	100
24) 1,1-Dichloroethane	6.21	63	511823	109.02	ug/l	99
25) 2-Butanone	7.18	43	480447	662.42	ug/l	98
26) 2,2-Dichloropropane	7.17	77	287397	93.41	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	299456	110.88	ug/l	99
28) Bromochloromethane	7.51	49	214955	110.29	ug/l	99
29) Tetrahydrofuran	7.54	42	298630	671.17	ug/l	100
30) Chloroform	7.68	83	512167	107.49	ug/l	97
31) Cyclohexane	7.96	56	453485	103.06	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	400386	102.68	ug/l	99
36) 1,1-Dichloropropene	8.08	75	410907	107.99	ug/l	99
37) Ethyl Acetate	7.26	43	205124	127.16	ug/l	99
38) Carbon Tetrachloride	8.07	117	386787	104.51	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	501417	113.55	ug/l	99
40) Benzene	8.32	78	1155678	110.14	ug/l	100
41) Methacrylonitrile	7.49	41	121723	124.57	ug/l	96
42) 1,2-Dichloroethane	8.40	62	359347	109.44	ug/l	100
43) Isopropyl Acetate	8.43	43	399321	126.07	ug/l	99
44) Trichloroethene	9.09	130	295846	107.34	ug/l	99
45) 1,2-Dichloropropane	9.37	63	298364	111.71	ug/l	98
46) Dibromomethane	9.46	93	156625	114.07	ug/l	100
47) Bromodichloromethane	9.65	83	388739	111.07	ug/l	100
48) Methyl methacrylate	9.44	41	195786	131.11	ug/l	99
49) 1,4-Dioxane	9.47	88	51982	2502.26	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	1052292	647.73	ug/l	100
52) Toluene	10.39	92	732690	109.10	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	420740	117.38	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	472935	115.76	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	218325	112.90	ug/l	98
56) Ethyl methacrylate	10.65	69	309737	131.02	ug/l	98
57) 1,3-Dichloropropane	10.93	76	385815	115.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	589325	565.42	ug/l	99
59) 2-Hexanone	10.98	43	758343	666.81	ug/l	99
60) Dibromochloromethane	11.13	129	264100	115.52	ug/l	99
61) 1,2-Dibromoethane	11.24	107	214641	117.30	ug/l	99
64) Tetrachloroethene	10.87	164	256001	103.95	ug/l	97
65) Chlorobenzene	11.66	112	798797	104.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	281079	104.43	ug/l	99
67) Ethyl Benzene	11.74	91	1447673	106.37	ug/l	99
68) m/p-Xylenes	11.85	106	1098280	212.26	ug/l	100
69) o-Xylene	12.17	106	516422	108.07	ug/l	99
70) Styrene	12.19	104	877593	109.79	ug/l	99
71) Bromoform	12.35	173	163118	116.10	ug/l	99
73) Isopropylbenzene	12.47	105	1421409	107.77	ug/l	100
74) N-amyl acetate	12.28	43	392365	127.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	265682	116.68	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	182766m	111.72	ug/l	
77) Bromobenzene	12.76	156	329464	106.80	ug/l	99
78) n-propylbenzene	12.81	91	1733564	107.04	ug/l	100
79) 2-Chlorotoluene	12.90	91	973007	106.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1189917	107.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	91793	127.48	ug/l	96
82) 4-Chlorotoluene	12.99	91	1017528	104.85	ug/l	99
83) tert-Butylbenzene	13.21	119	1008483	106.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1215930	106.43	ug/l	100
85) sec-Butylbenzene	13.39	105	1477828	105.30	ug/l	100
86) p-Isopropyltoluene	13.51	119	1318893	106.79	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	654730	103.64	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	642695	102.27	ug/l	99
89) n-Butylbenzene	13.83	91	1291781	107.07	ug/l	99
90) Hexachloroethane	14.10	117	236556	105.72	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	581847	104.94	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46795	121.95	ug/l	99

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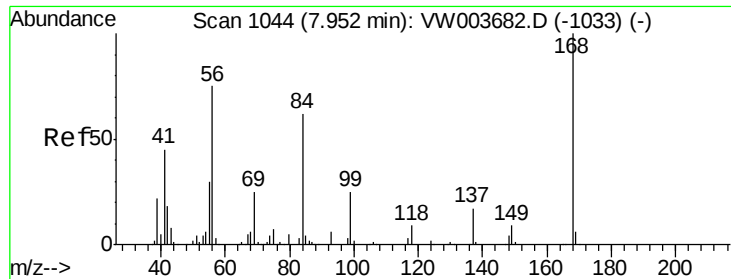
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	419532	107.71	ug/l	100
94) Hexachlorobutadiene	15.25	225	234160	100.74	ug/l	99
95) Naphthalene	15.38	128	824530	123.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	371774	108.22	ug/l	100

(#) = 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: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 245936

Ion Ratio Lower Upper

168 100

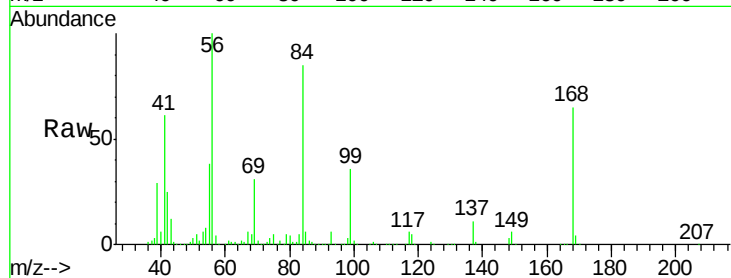
99 55.1 45.4 68.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

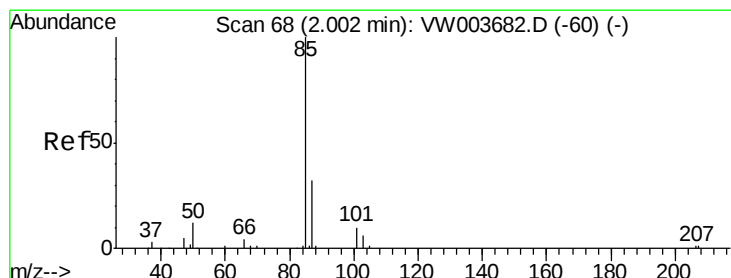
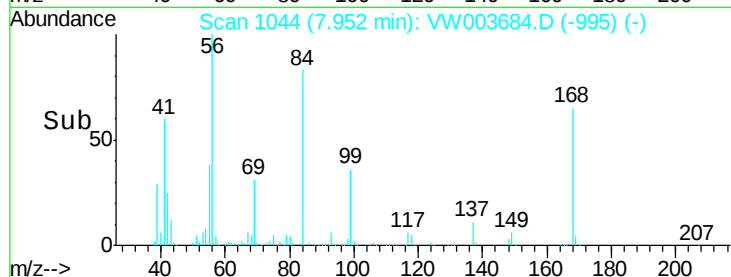
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 173.67 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003684.D

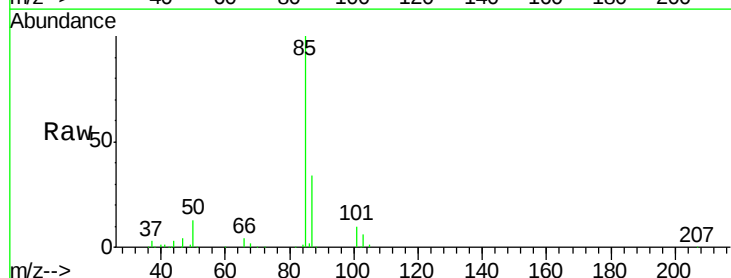
Acq: 02 Jul 2018 18:42

Tgt Ion: 85 Resp: 143192

Ion Ratio Lower Upper

85 100

87 34.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

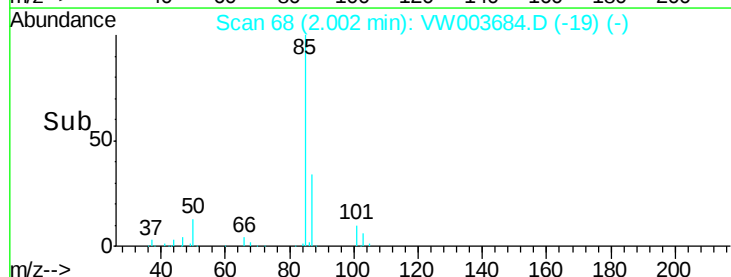
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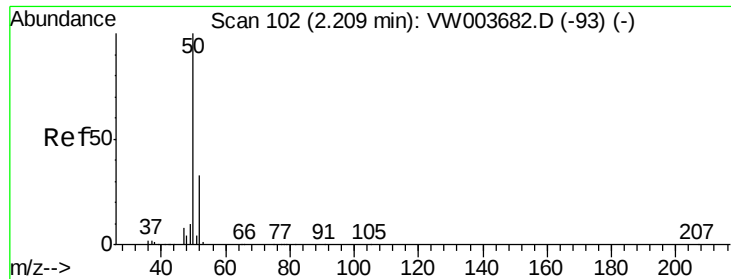
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 107.19 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 205416

Ion Ratio Lower Upper

50 100

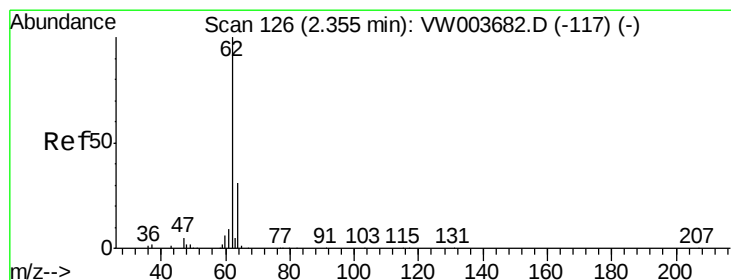
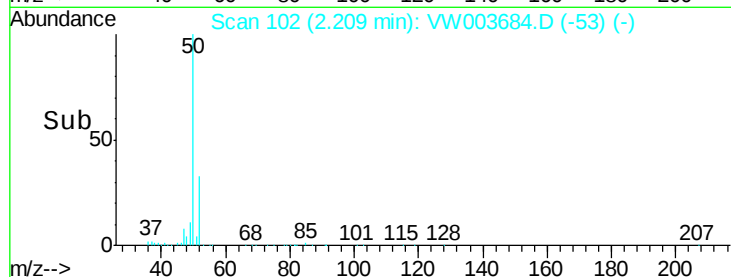
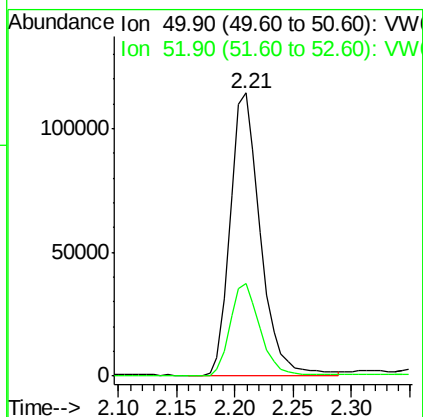
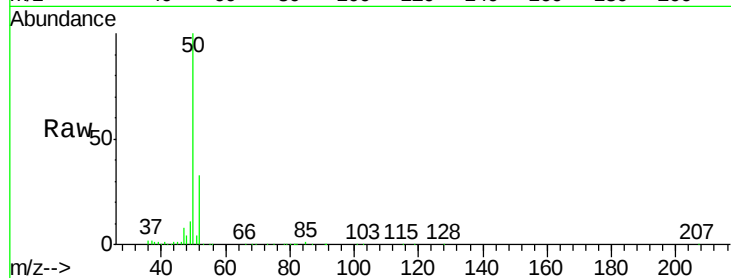
52 32.9 26.1 39.1

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#4

Vinyl Chloride

Concen: 98.62 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003684.D

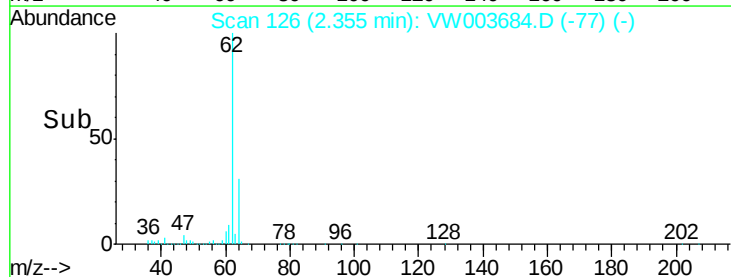
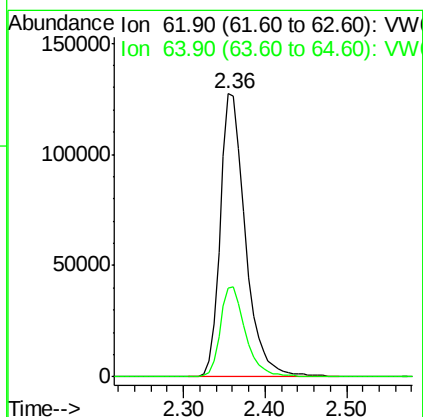
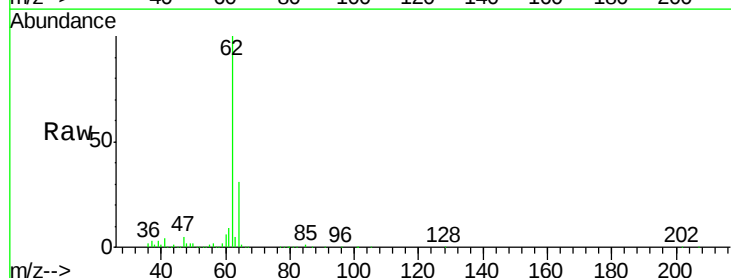
Acq: 02 Jul 2018 18:42

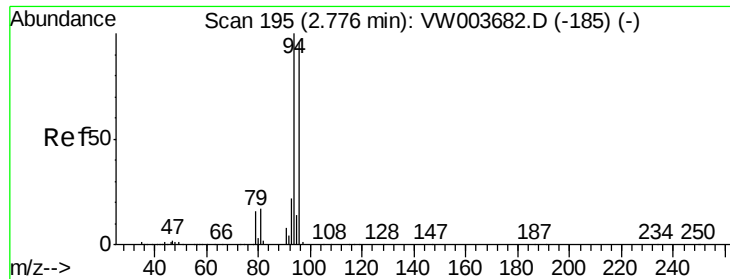
Tgt Ion: 62 Resp: 273290

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 102.84 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 188215

Ion Ratio Lower Upper

94 100

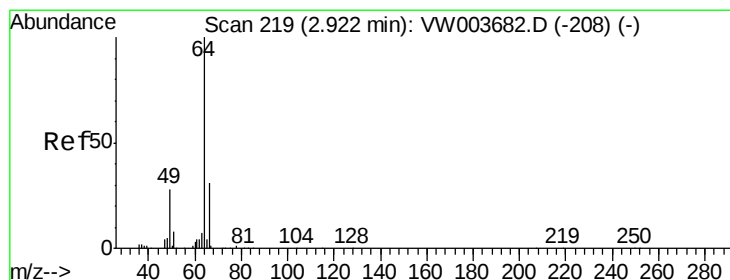
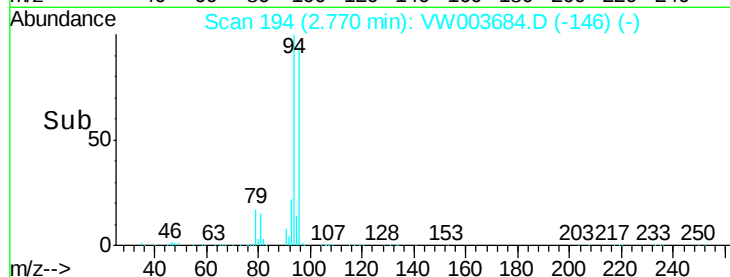
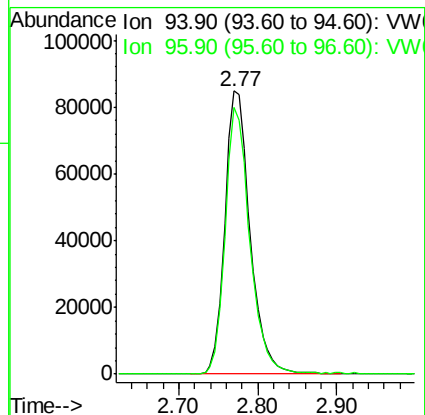
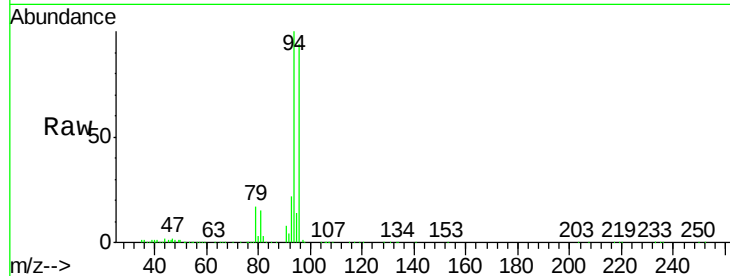
96 94.3 76.6 115.0

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#6

Chloroethane

Concen: 91.07 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003684.D

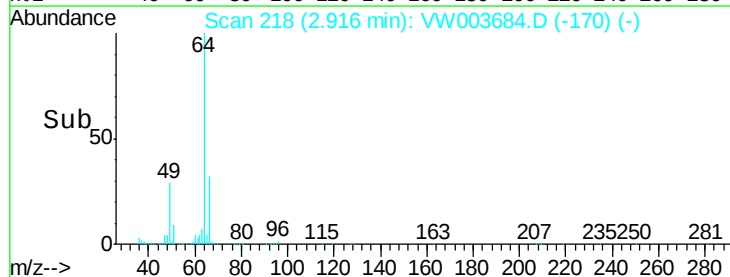
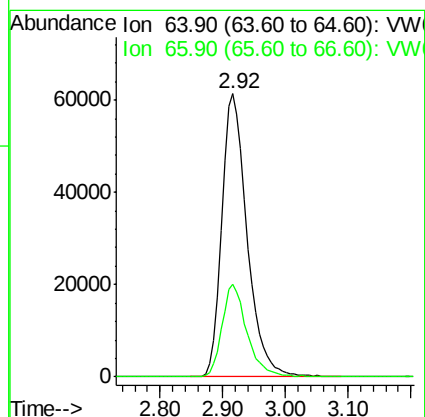
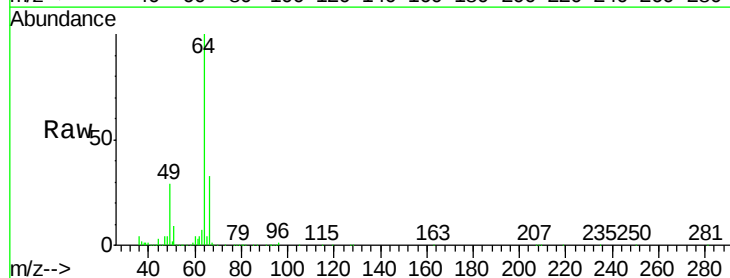
Acq: 02 Jul 2018 18:42

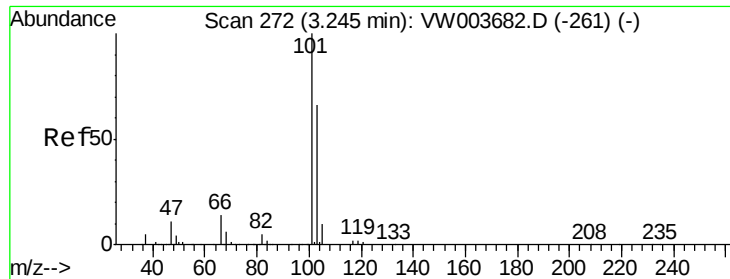
Tgt Ion: 64 Resp: 171654

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.6





#7

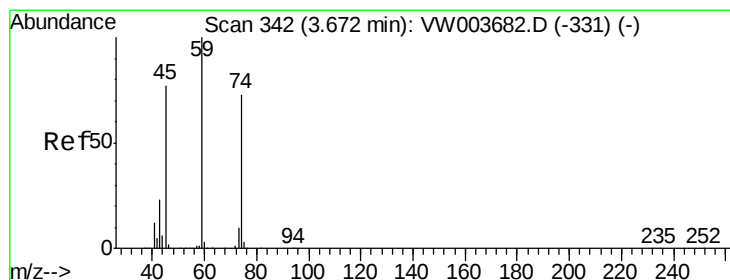
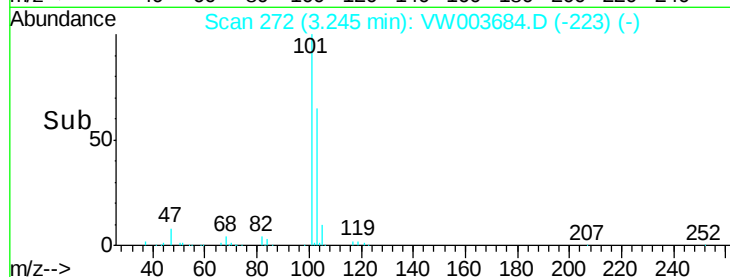
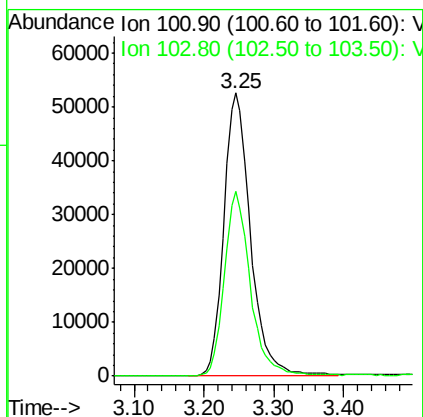
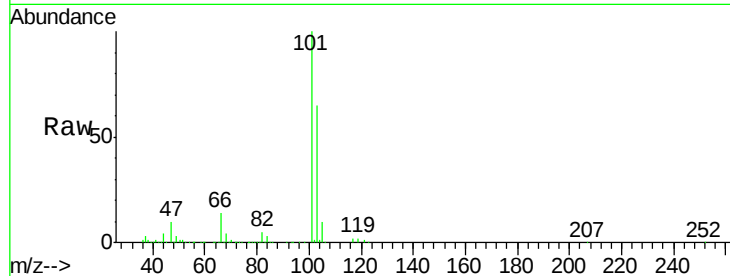
Trichlorofluoromethane
 Concen: 86.58 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.9	79.3

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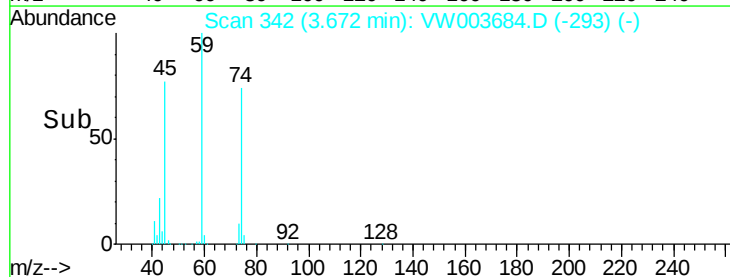
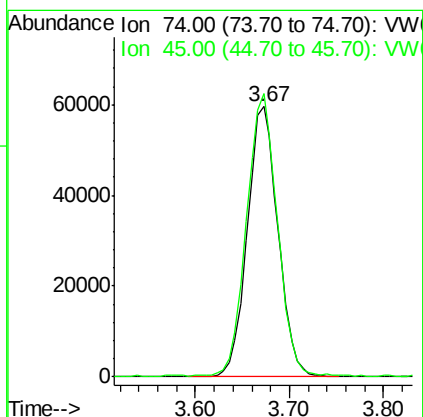
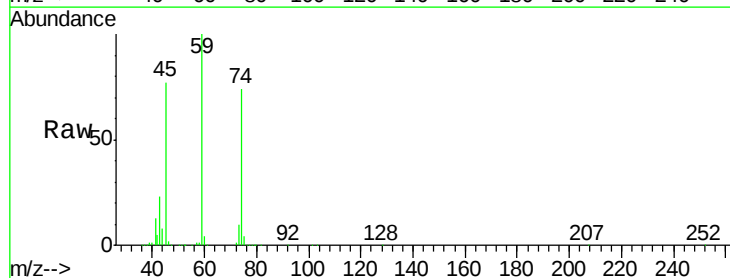
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 7/3/2018 10:16:52 AM

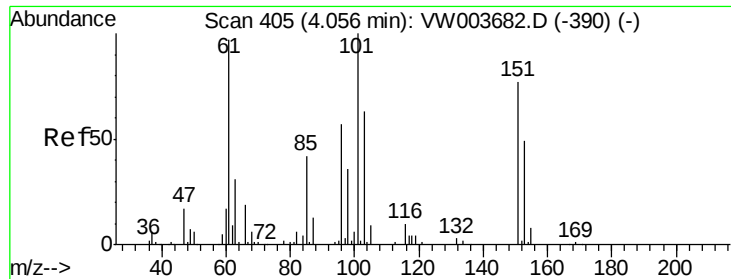


#8

Diethyl Ether
 Concen: 111.19 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	53.5	160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.26 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

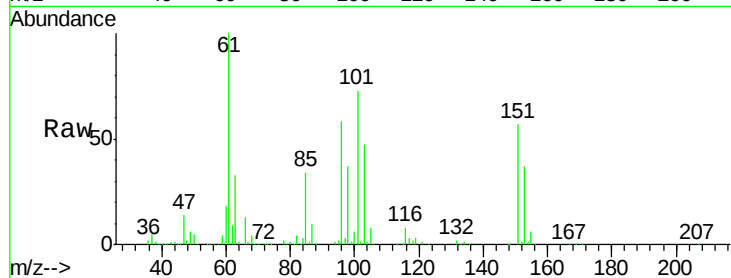
ClientSampled :

VSTDIC100

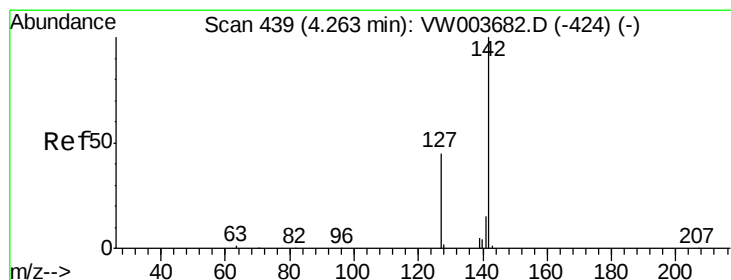
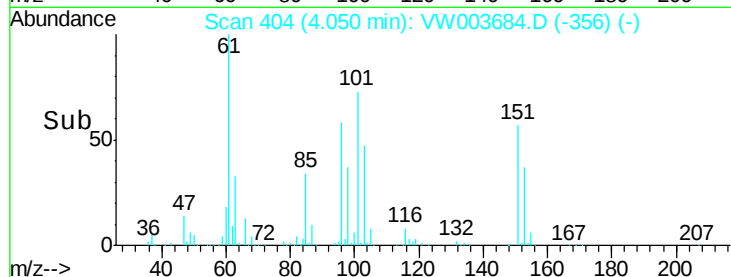
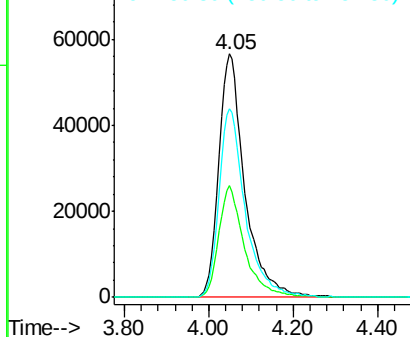
Tot Ion:	101	Resp:	240946
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	78.4	62.4	93.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.51 ug/l

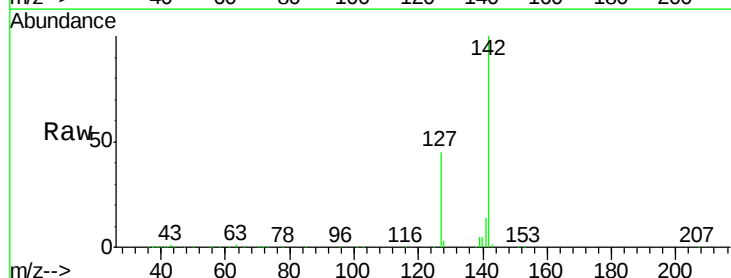
RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

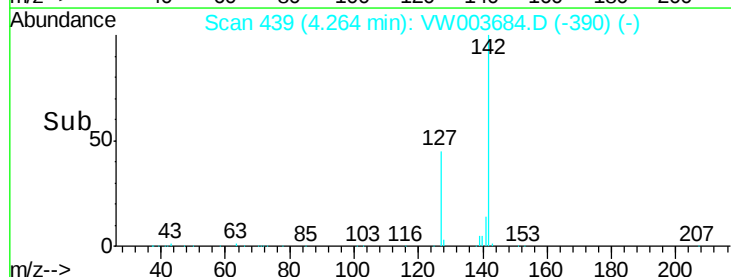
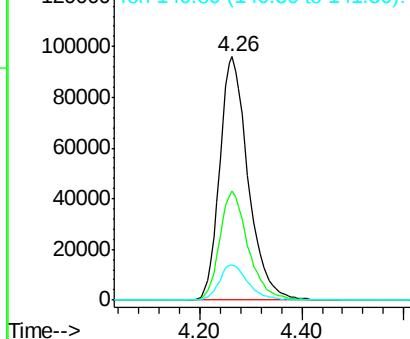
Lab File: VW003684.D

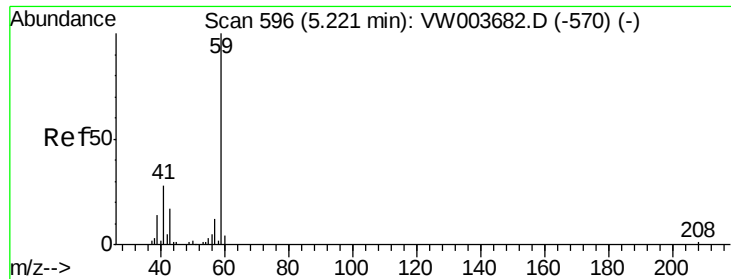
Acq: 02 Jul 2018 18:42

Tgt Ion:	142	Resp:	371348
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.0	54.0
141	14.7	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

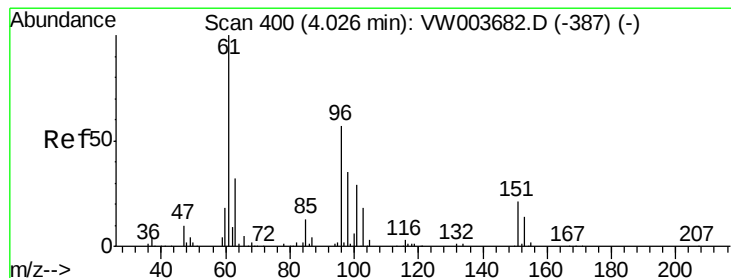
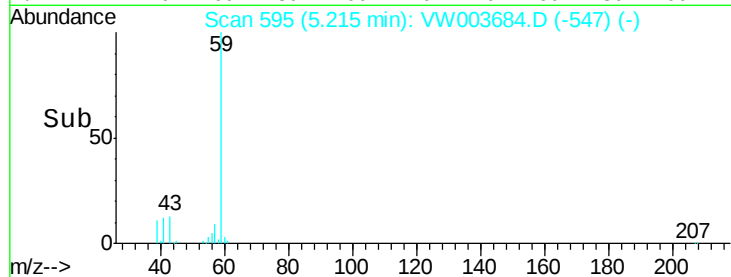
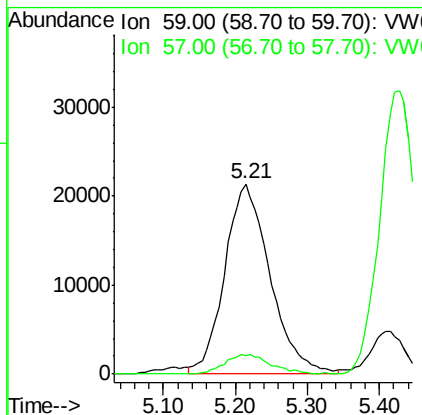
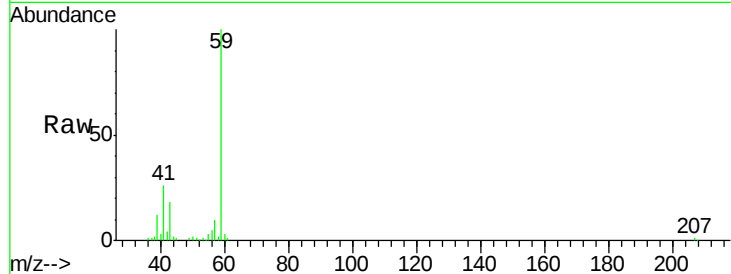
Tert butyl alcohol
Concen: 632.81 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	59	57	Ratio	100	10.5	Resp	93444	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.5	Resp	93444	Lower	9.0	Upper	13.4

Manual Integrations
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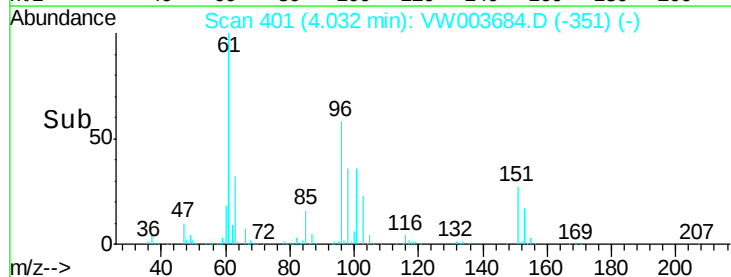
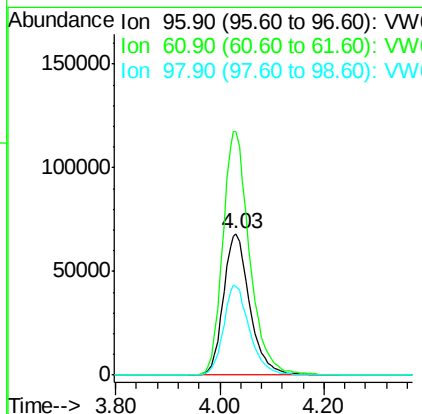
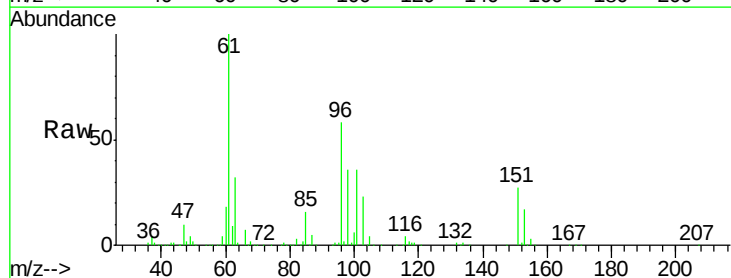
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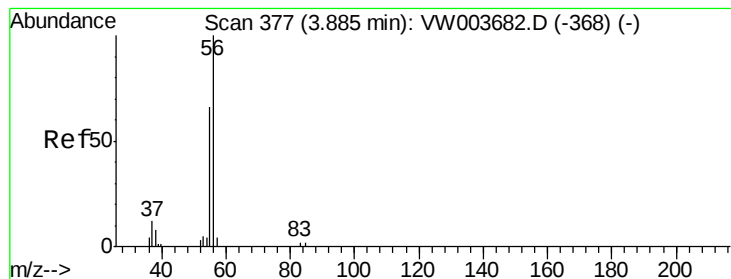


#12

1,1-Dichloroethene
Concen: 106.47 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	96	61	98	Ratio	100	172.1	62.6	Resp	242126	Lower	140.6	49.4	Upper	211.0	74.0
Ion	96	61	98	Ratio	100	172.1	62.6	Resp	242126	Lower	140.6	49.4	Upper	211.0	74.0





#13

Acrolein

Concen: 147.62 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 26717

Ion Ratio Lower Upper

56 100

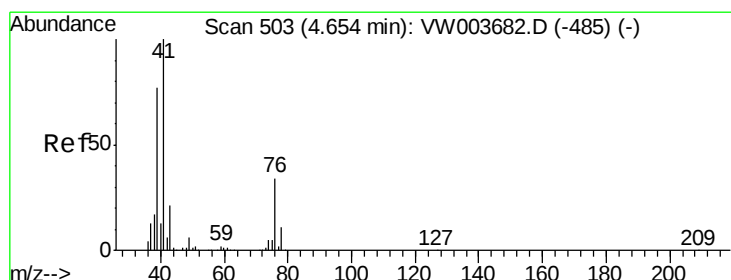
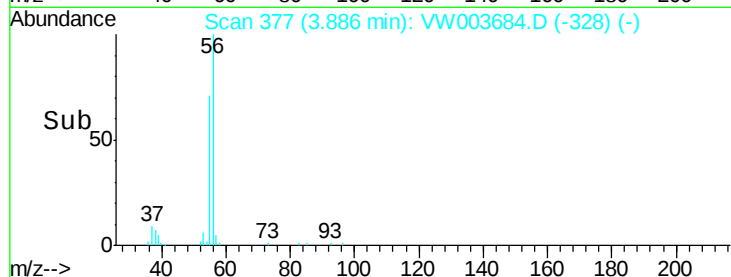
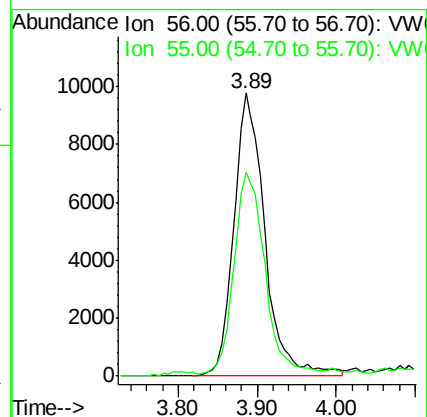
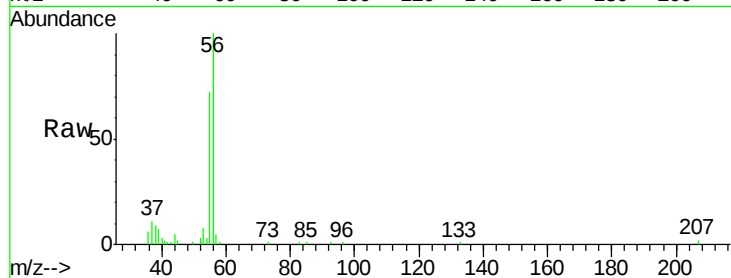
55 71.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 110.69 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

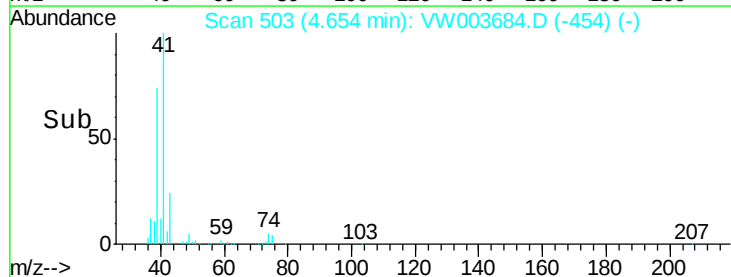
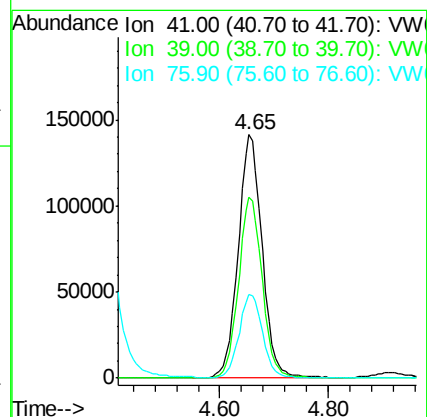
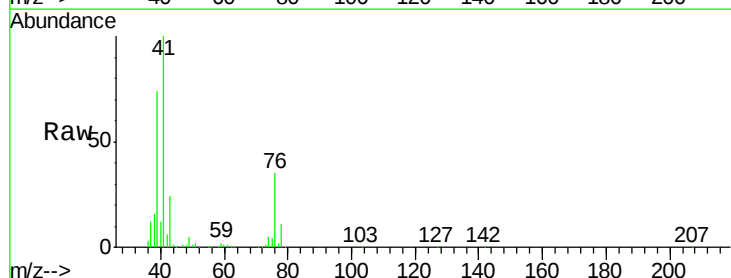
Tgt Ion: 41 Resp: 433520

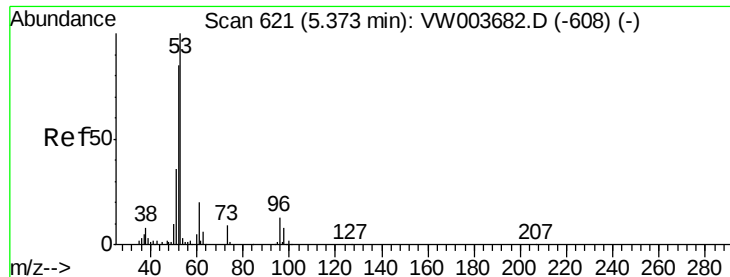
Ion Ratio Lower Upper

41 100

39 73.5 60.1 90.1

76 34.1 27.2 40.8





#15

Acrylonitrile

Concen: 636.06 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

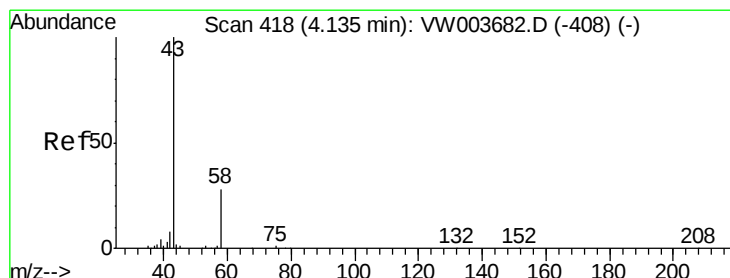
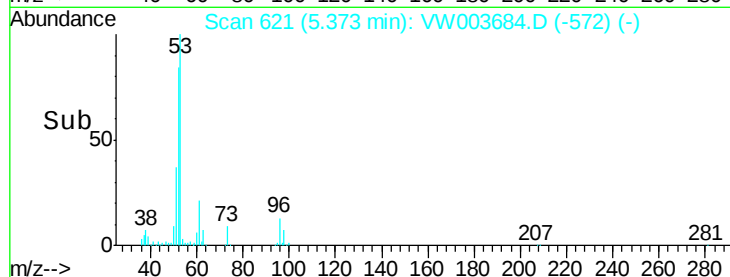
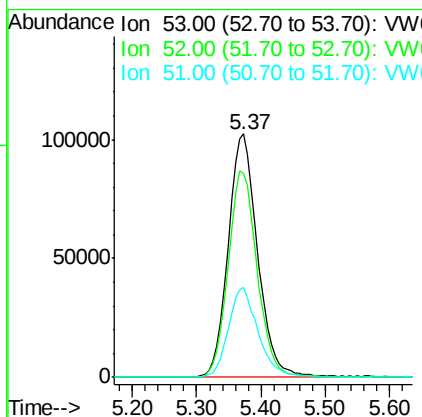
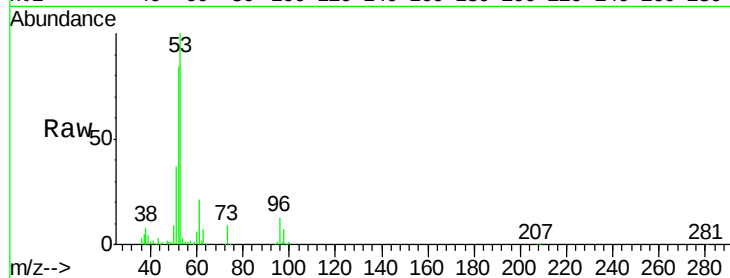
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	327175
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.8	100.2
51	37.5	30.2	45.4

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#16

Acetone

Concen: 574.38 ug/l

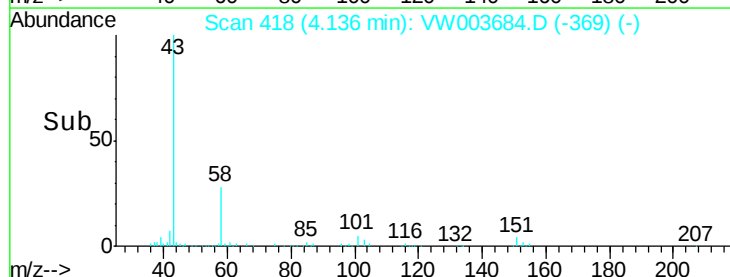
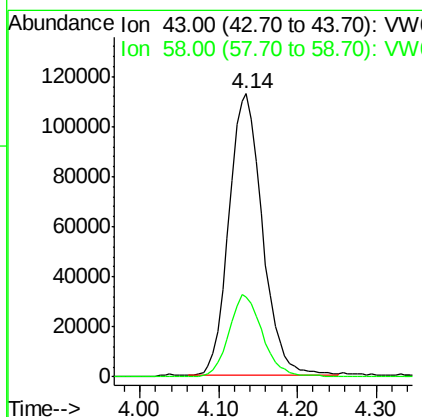
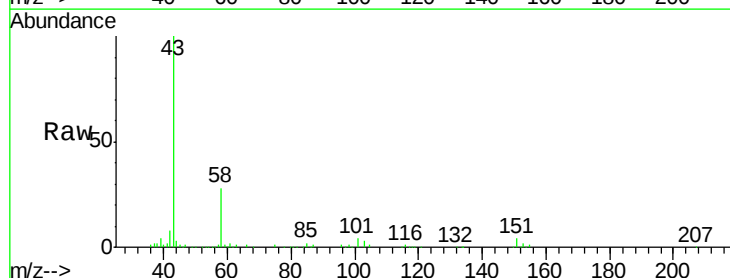
RT: 4.14 min Scan# 418

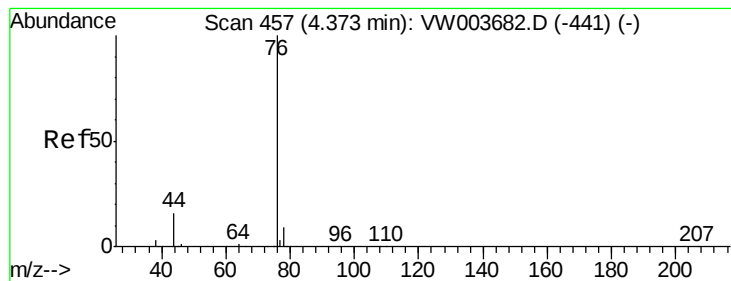
Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Tgt Ion:	43	Resp:	332342
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.7	34.1





#17

Carbon Disulfide

Concen: 113.79 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Tot Ion: 76 Resp: 774065

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

Instrument :

MSVOA_W

ClientSampleId :

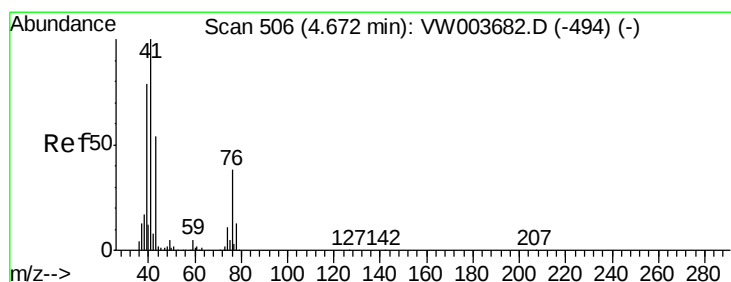
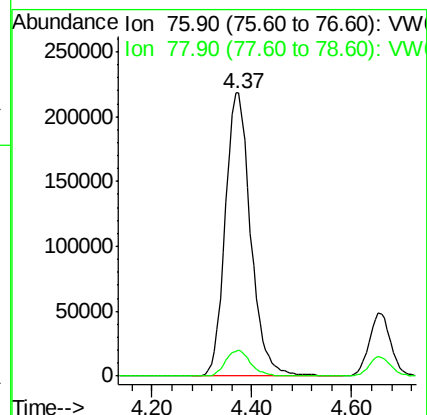
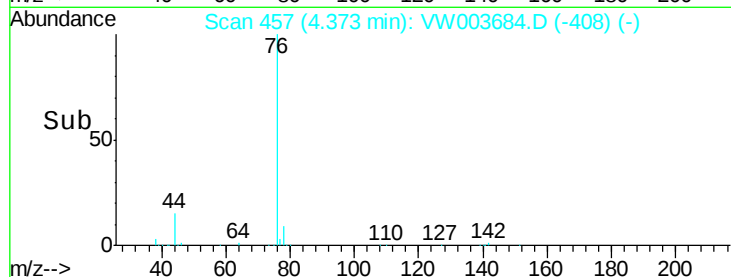
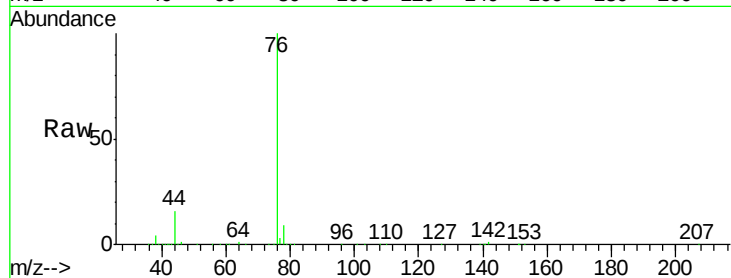
VSTDIC100

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#18

Methyl Acetate

Concen: 113.85 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW003684.D

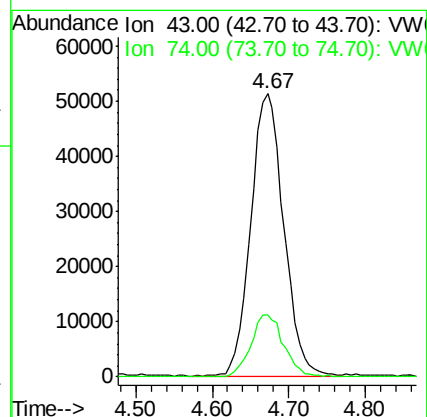
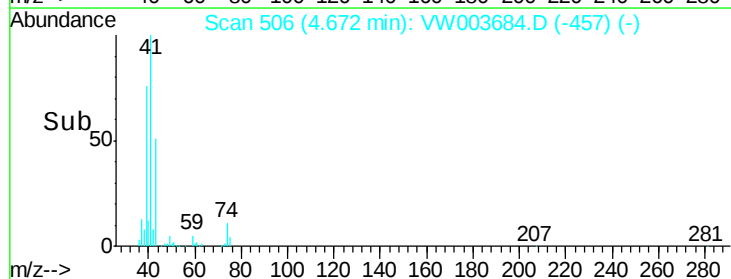
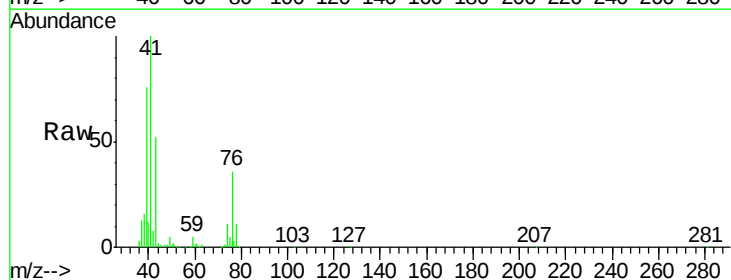
Acq: 02 Jul 2018 18:42

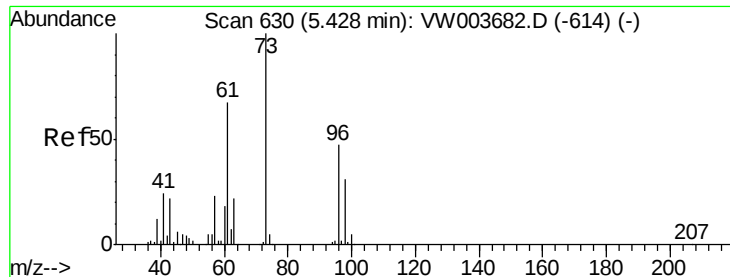
Tgt Ion: 43 Resp: 153136

Ion Ratio Lower Upper

43 100

74 22.2 18.2 27.2





#19

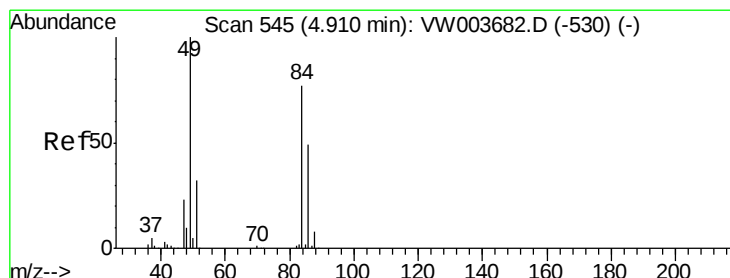
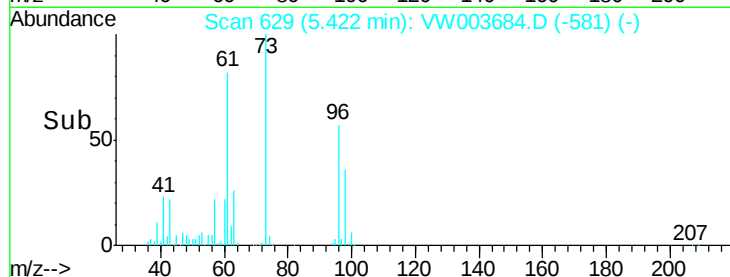
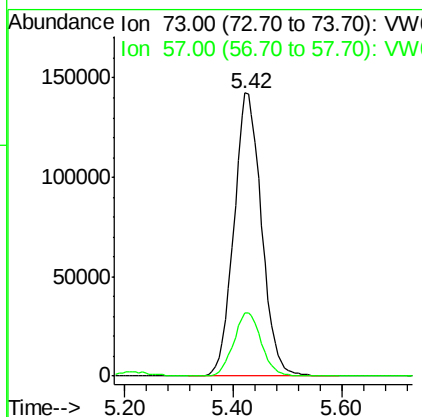
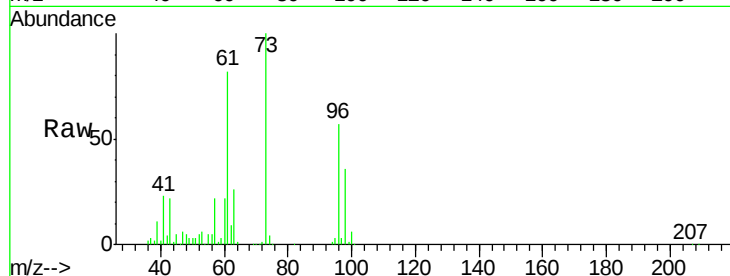
Methyl tert-butyl Ether
 Concen: 118.19 ug/l
 RT: 5.42 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.1	27.1

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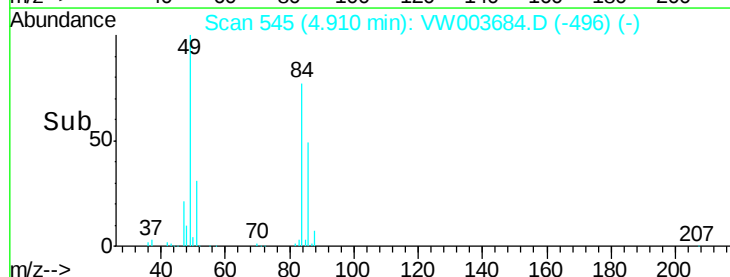
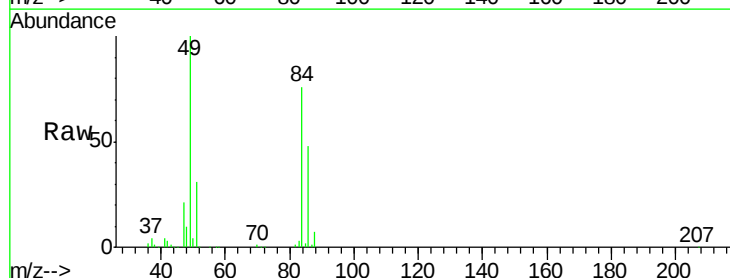
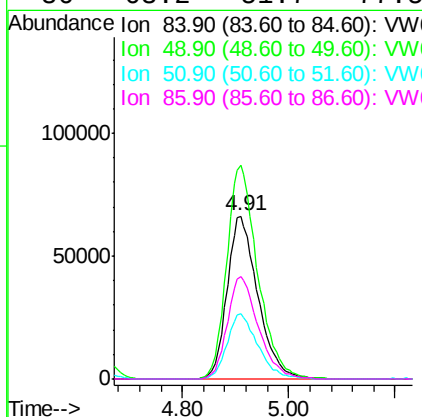
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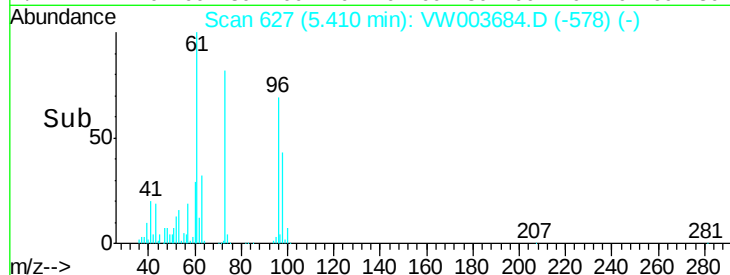
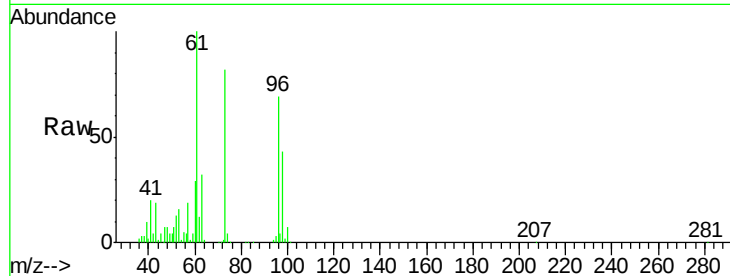
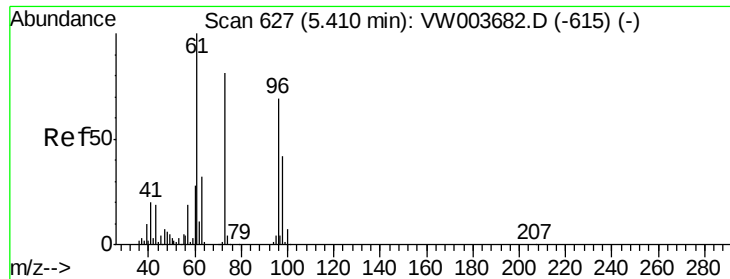


#20

Methylene Chloride
 Concen: 94.77 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.1	104.6	156.8
51	40.1	33.2	49.8
86	63.2	51.7	77.5





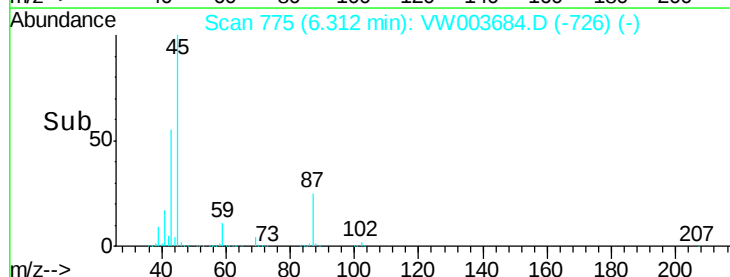
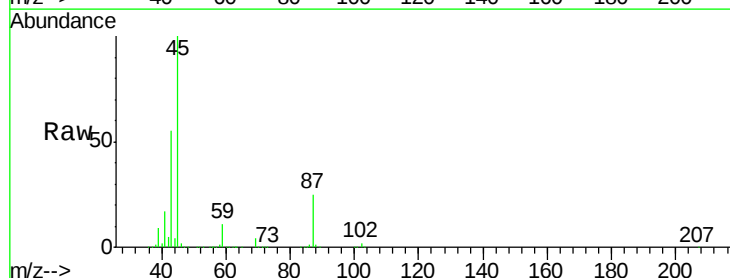
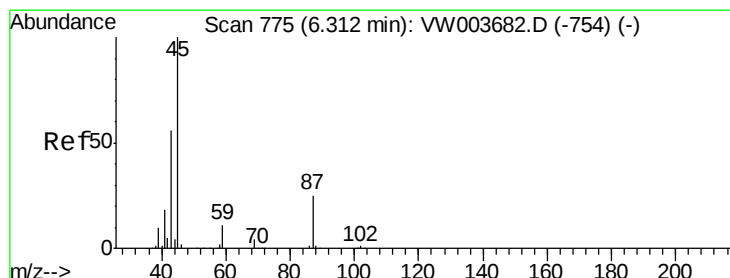
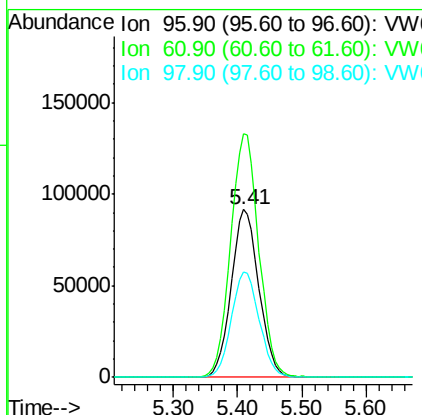
#21
trans-1,2-Dichloroethene
Concen: 110.62 ug/l
RT: 5.41 min Scan# 627
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	116.8	175.2
98	62.9	49.6	74.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

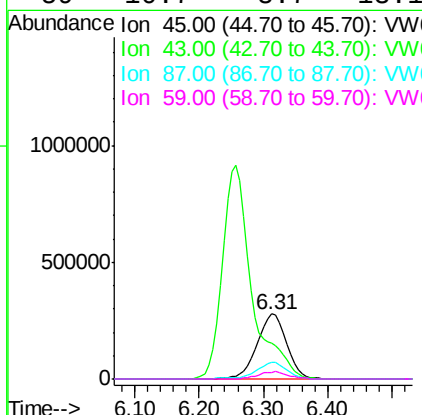
Manual Integrations
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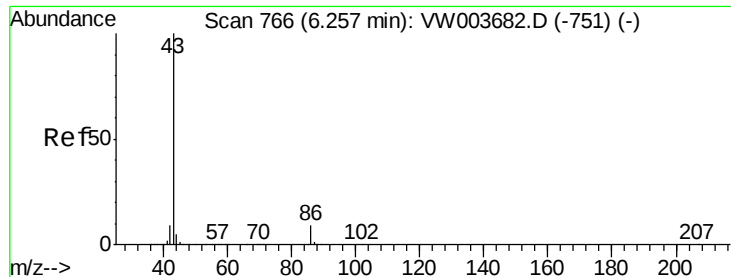
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#22
Diisopropyl ether
Concen: 112.17 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.5	66.7
87	24.7	20.2	30.4
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 635.35 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 2936770

Ion Ratio Lower Upper

43 100

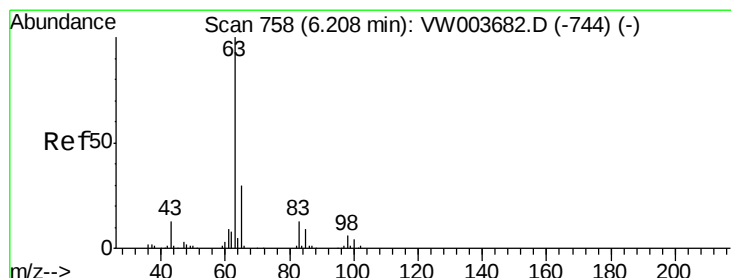
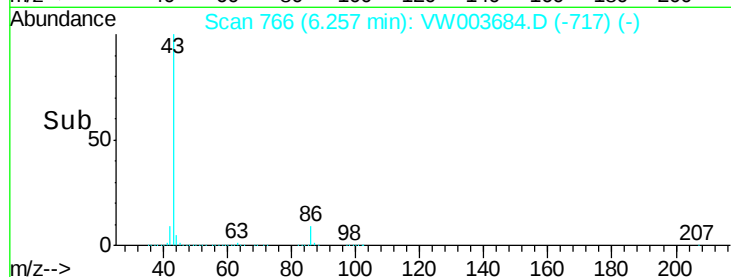
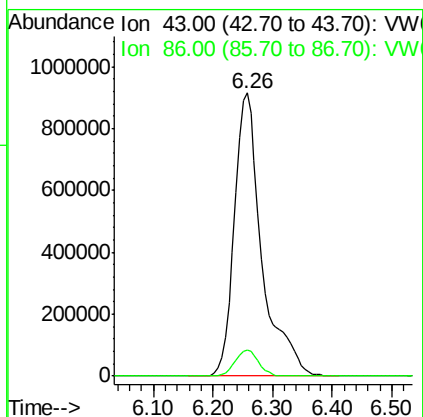
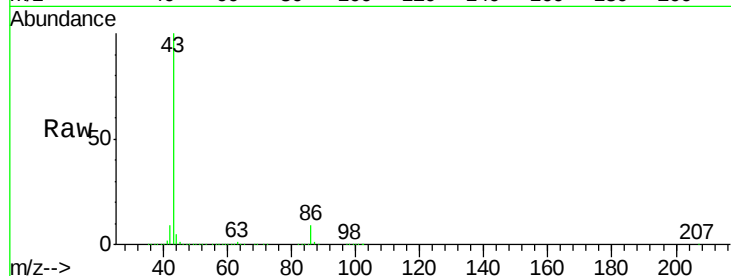
86 9.3 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 109.02 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

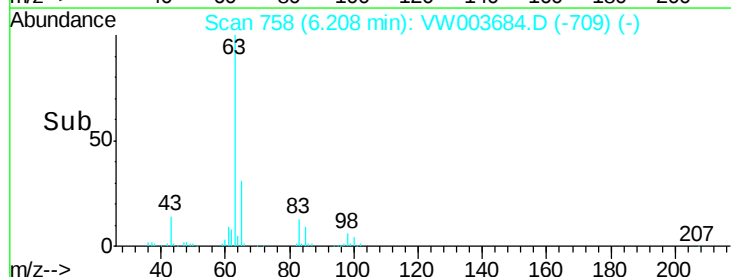
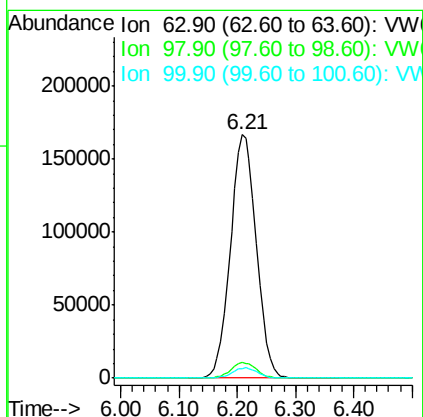
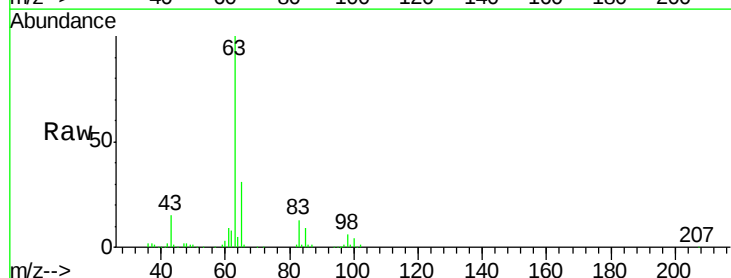
Tgt Ion: 63 Resp: 511823

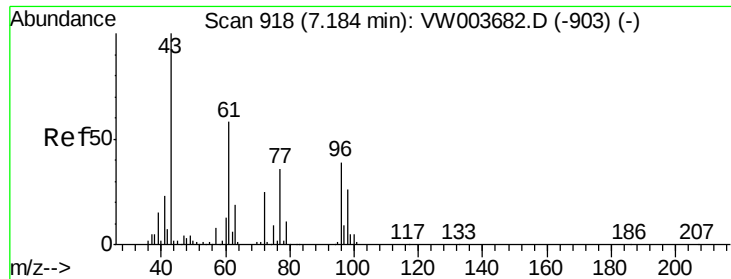
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.6

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 662.42 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 480447

Ion Ratio Lower Upper

43 100

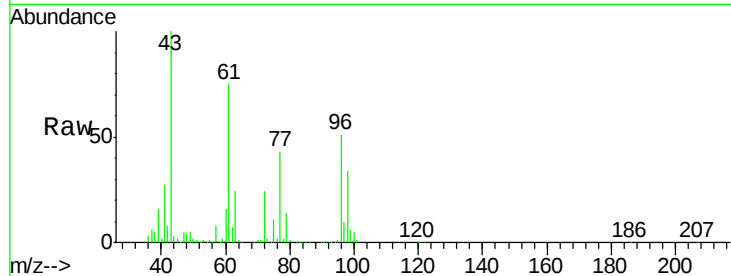
72 24.1 20.2 30.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

200000

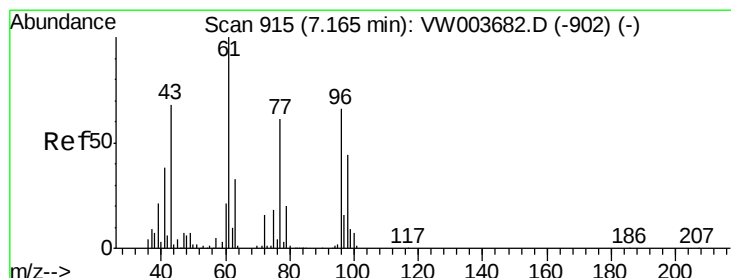
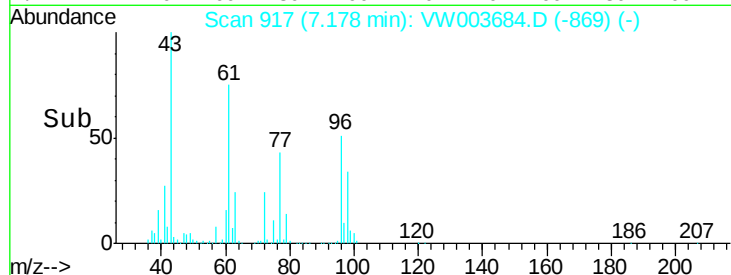
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 93.41 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003684.D

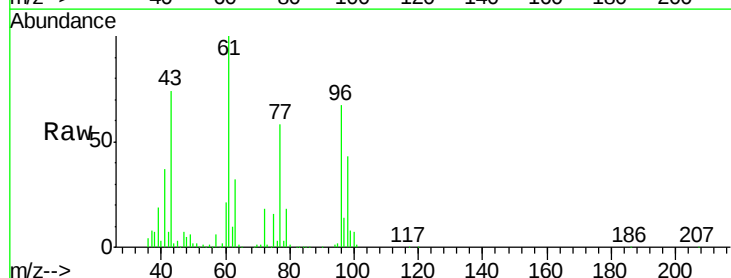
Acq: 02 Jul 2018 18:42

Tgt Ion: 77 Resp: 287397

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

100000

80000

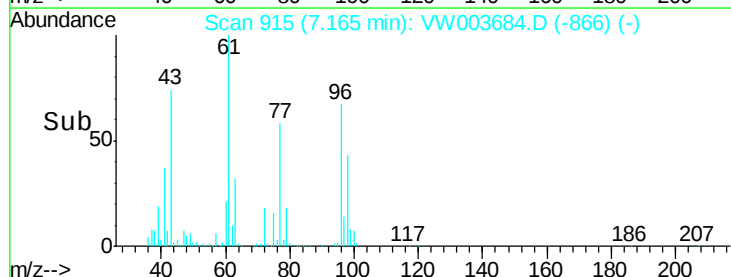
60000

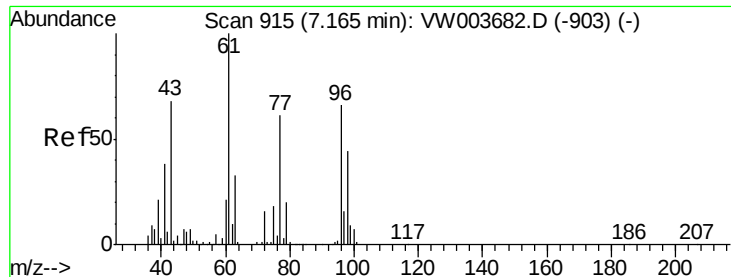
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20000

0

Time-->





#27

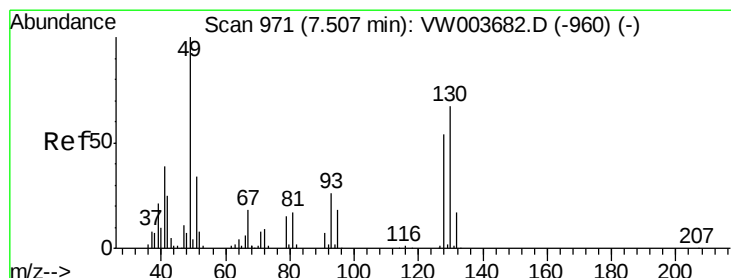
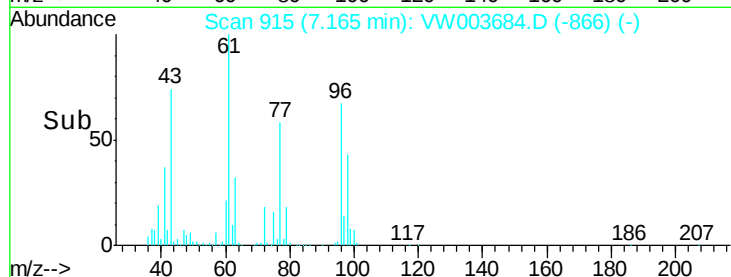
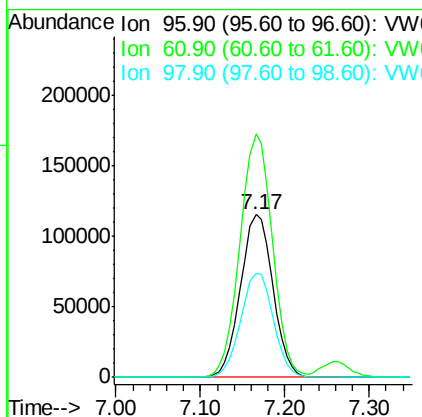
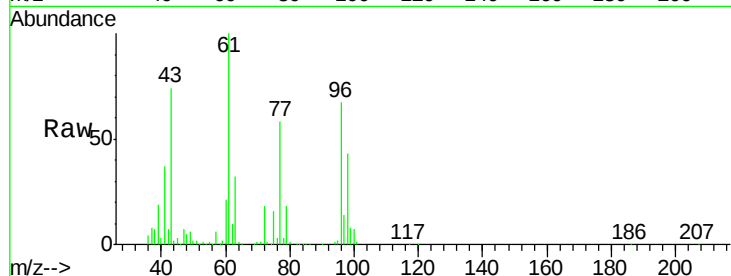
cis-1,2-Dichloroethene
Concen: 110.88 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	299456		
61	150.1	0.0	305.0	
98	64.6	0.0	129.6	

Manual Integrations
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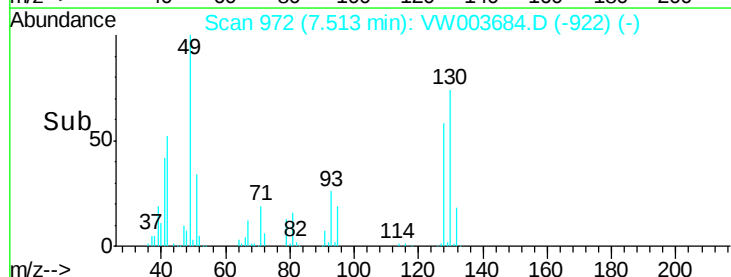
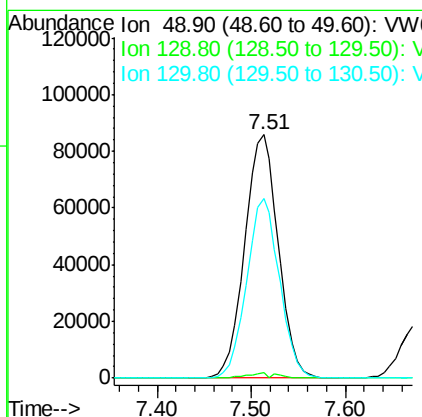
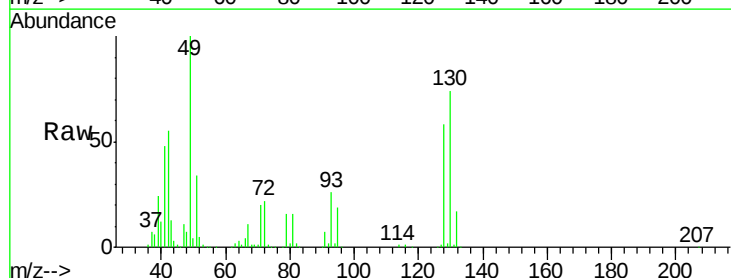
apatel
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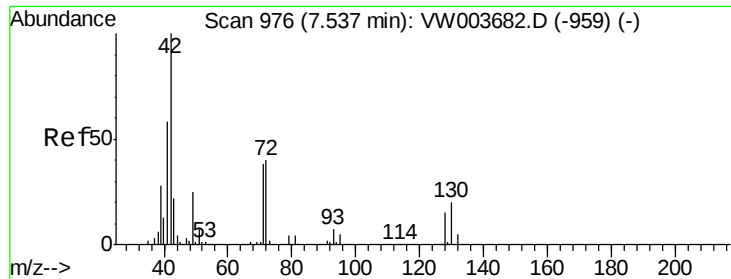


#28

Bromochloromethane
Concen: 110.29 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	214955		
129	1.2	0.0	3.0	
130	72.3	57.0	85.6	





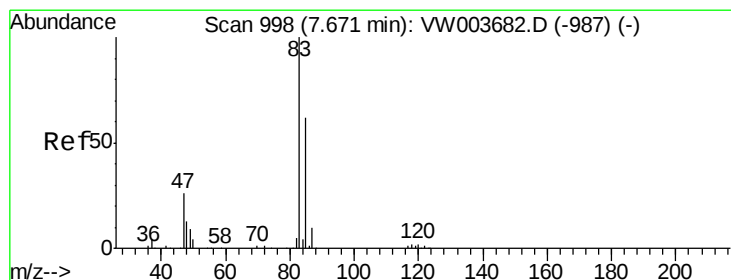
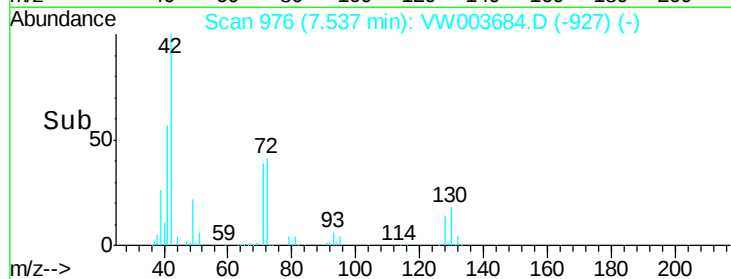
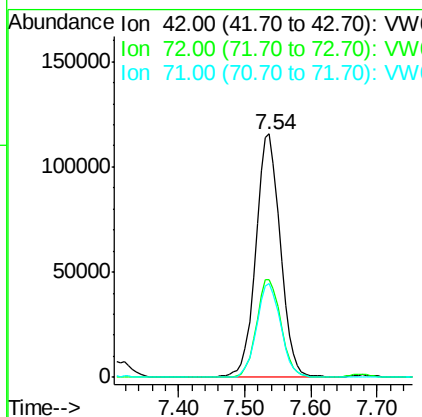
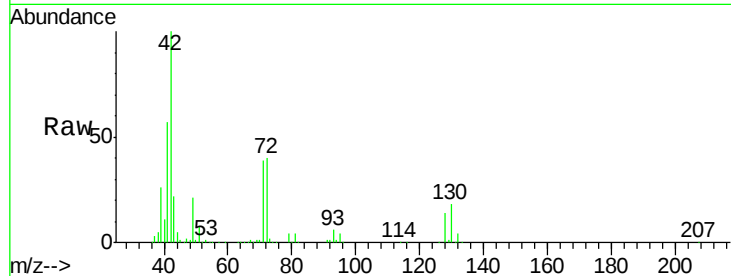
#29
Tetrahydrofuran
Concen: 671.17 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	37.9	30.2	45.2

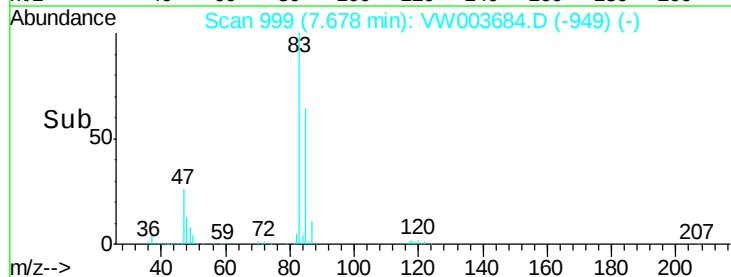
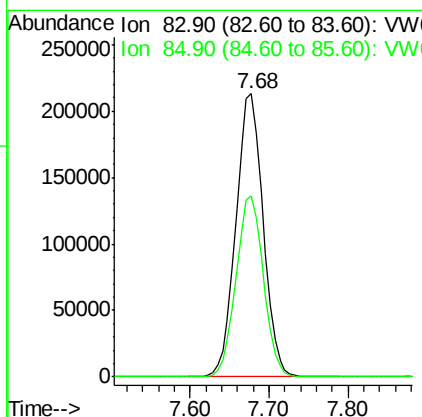
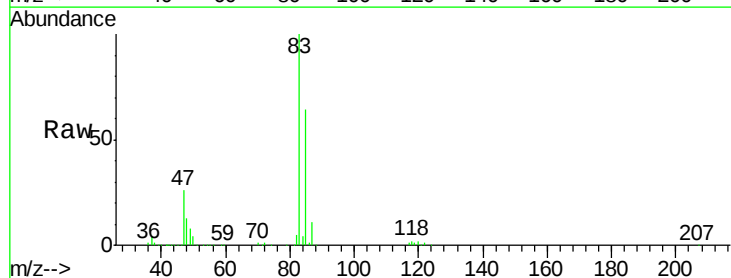
Manual Integrations
APPROVED

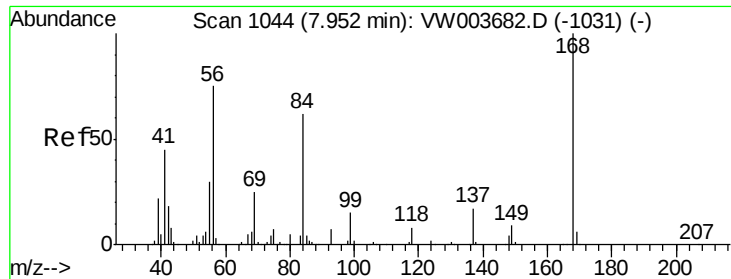
apatel
7/3/2018 10:16:52 AM



#30
Chloroform
Concen: 107.49 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.7	74.5





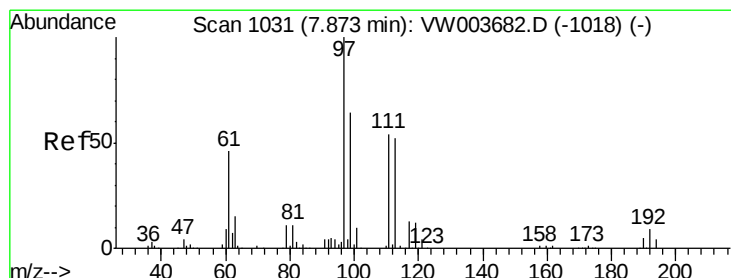
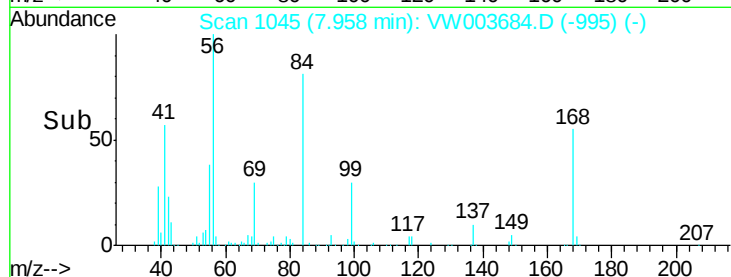
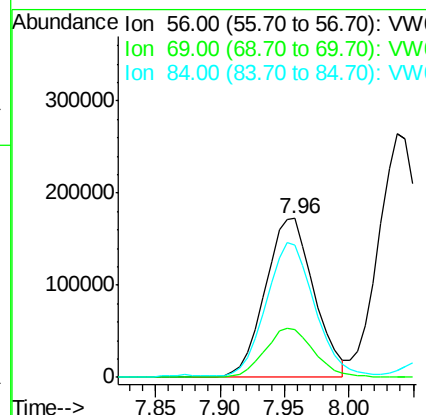
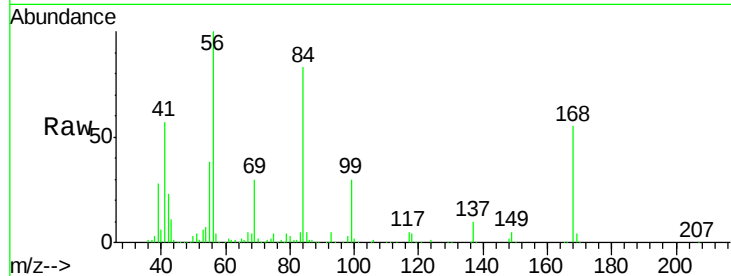
#31
Cyclohexane
Concen: 103.06 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100	453485		
69	30.2		27.0	40.4
84	81.6		65.4	98.0

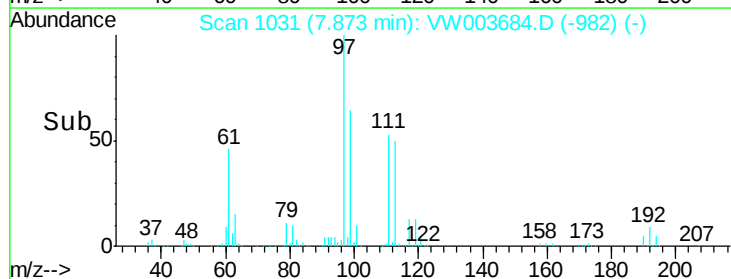
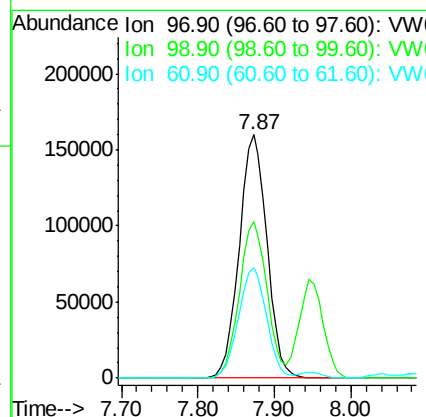
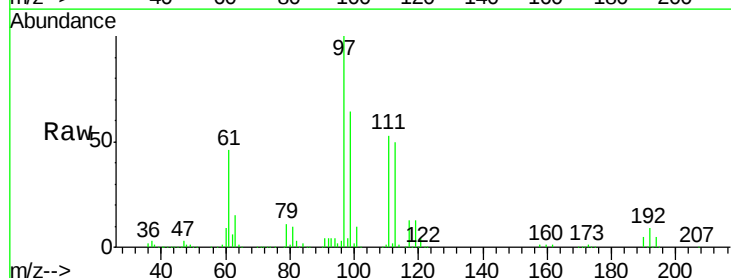
Manual Integrations
APPROVED

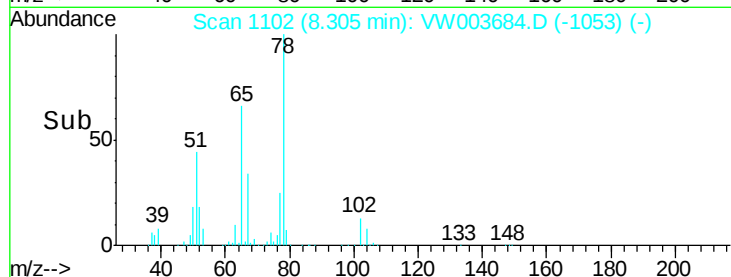
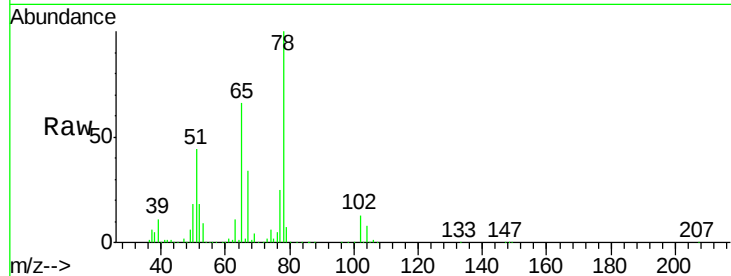
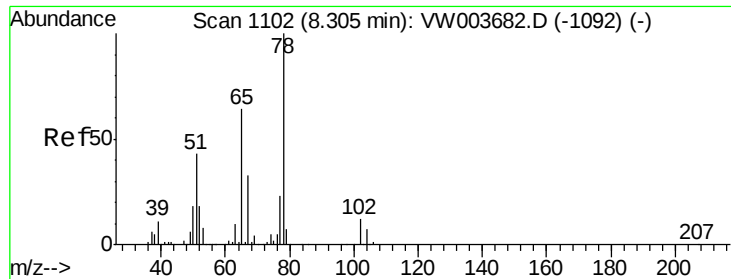
apatel
7/3/2018 10:16:52 AM



#32
1,1,1-Trichloroethane
Concen: 102.68 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	400386		
99	64.5		50.6	76.0
61	46.0		37.2	55.8





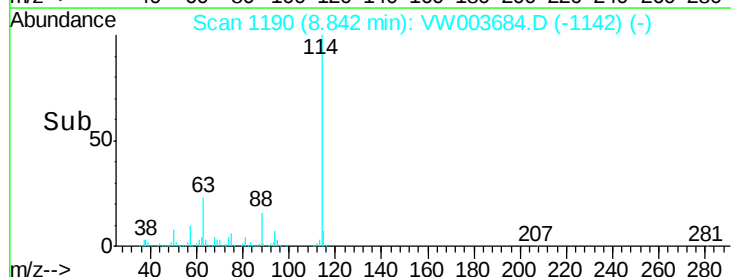
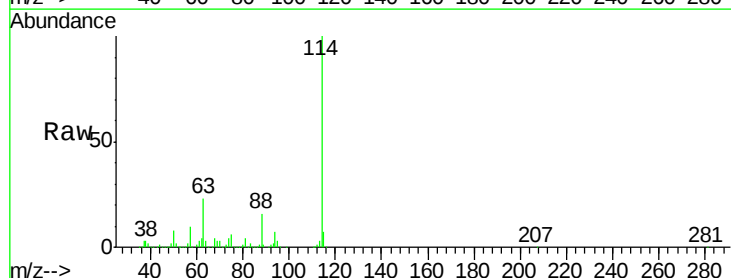
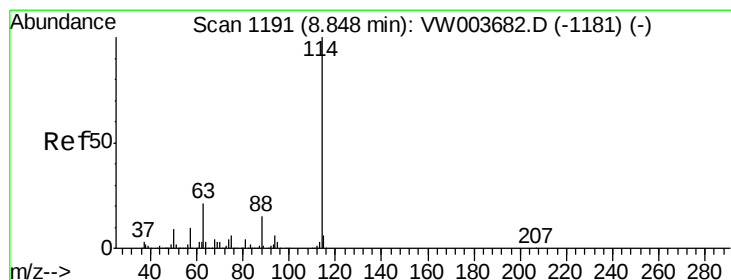
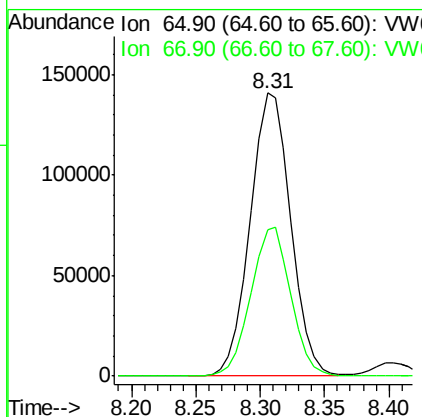
#33
 1,2-Dichloroethane-d4
 Concen: 112.66 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tot Ion	Ratio	Resp	Lower	Upper
65	100	306302		
67	52.1	0.0	104.0	

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

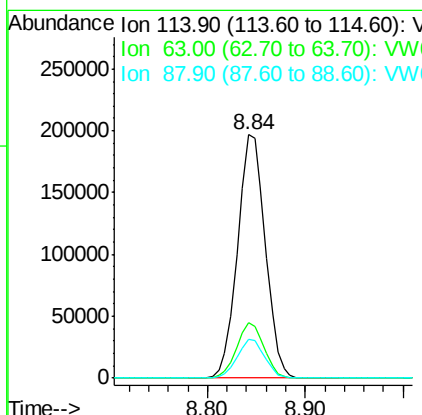
Manual Integrations
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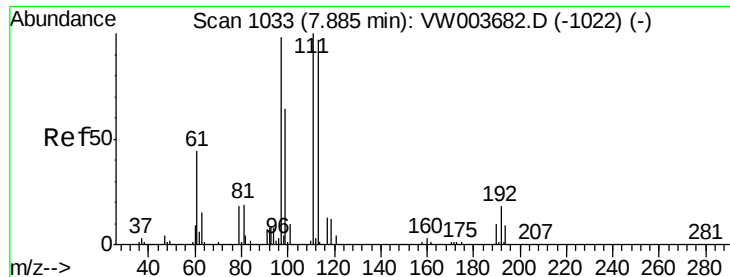
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386787		
63	22.7	0.0	41.6	
88	16.0	0.0	29.8	





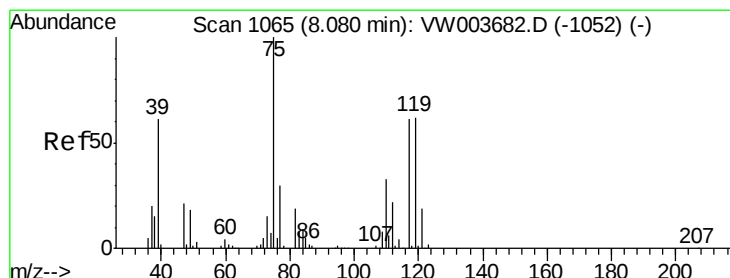
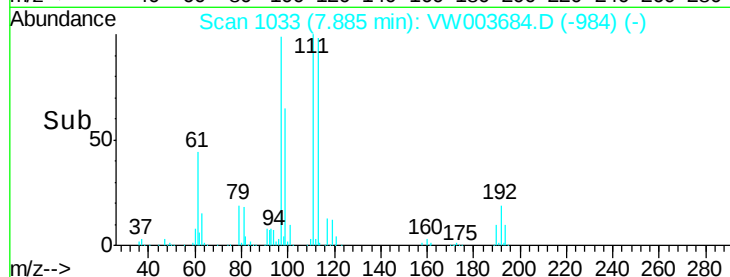
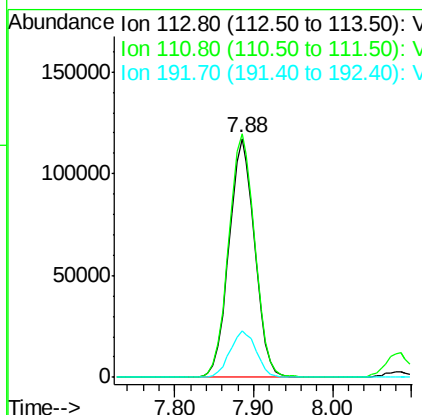
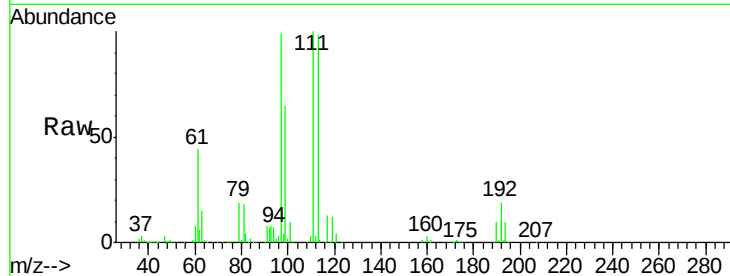
#35
 Dibromofluoromethane
 Concen: 108.39 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	264699		
111	104.1	82.4	123.6	
192	20.0	15.8	23.6	

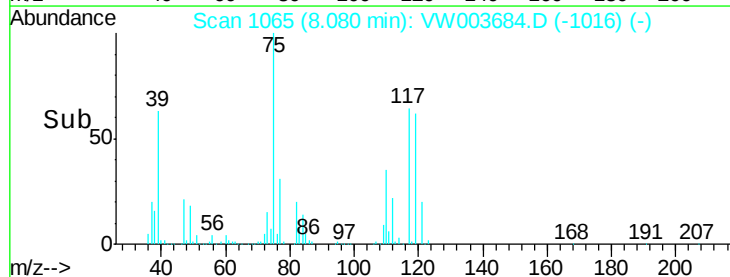
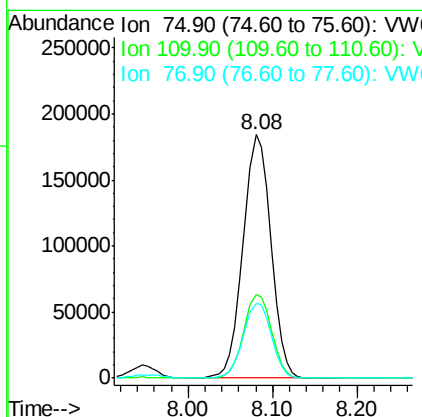
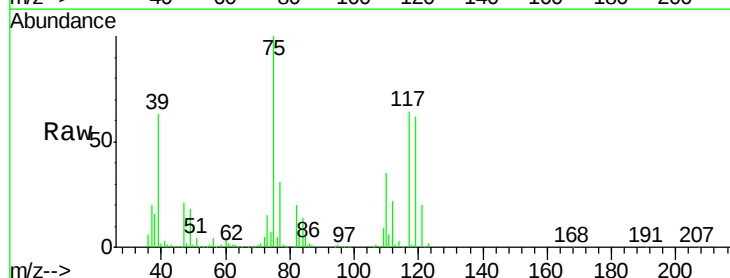
Manual Integrations
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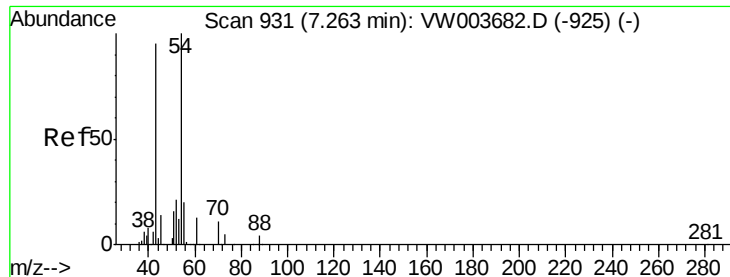
apatel
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#36
 1,1-Dichloropropene
 Concen: 107.99 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	410907		
110	34.6	16.9	50.6	
77	31.3	24.9	37.3	





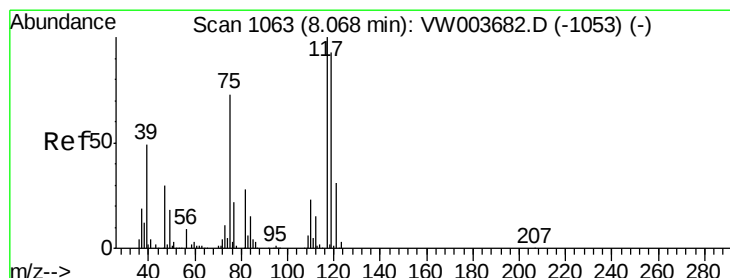
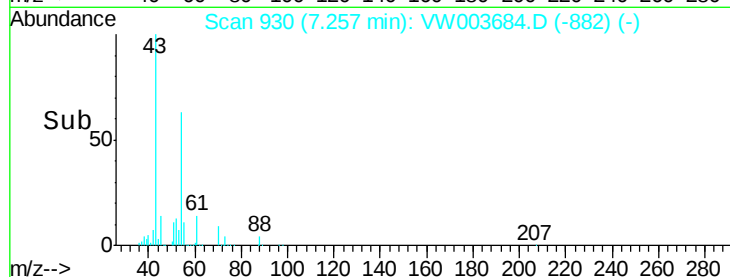
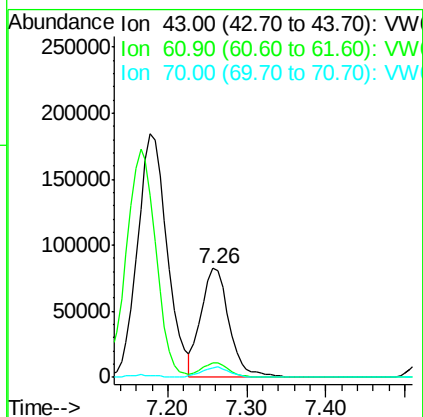
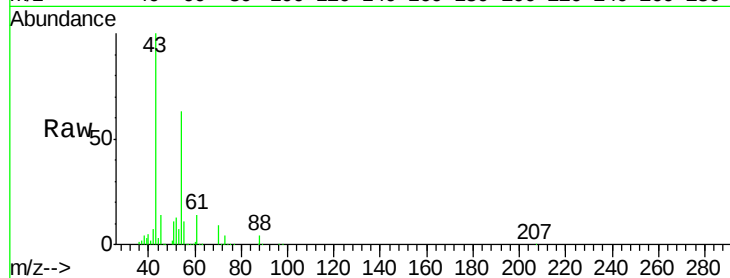
#37
Ethyl Acetate
Concen: 127.16 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.3	7.7	11.5

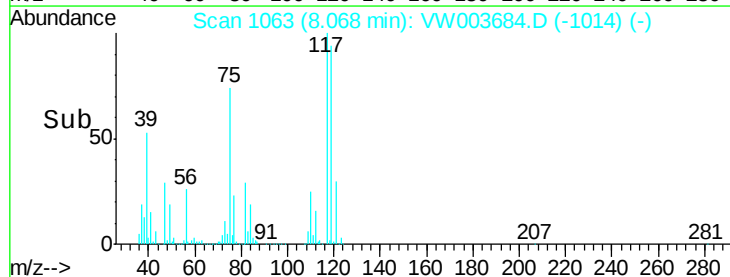
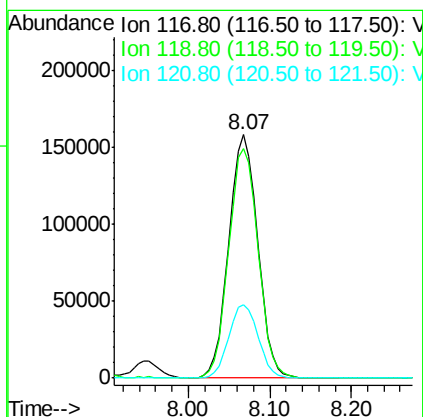
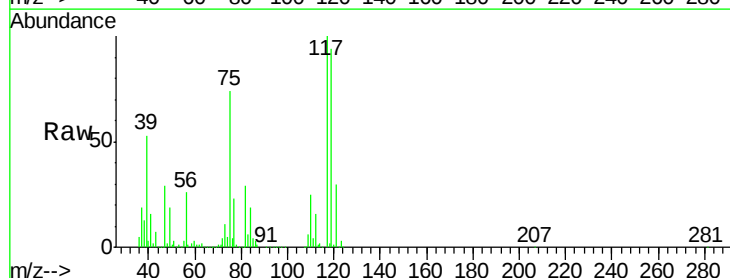
Manual Integrations
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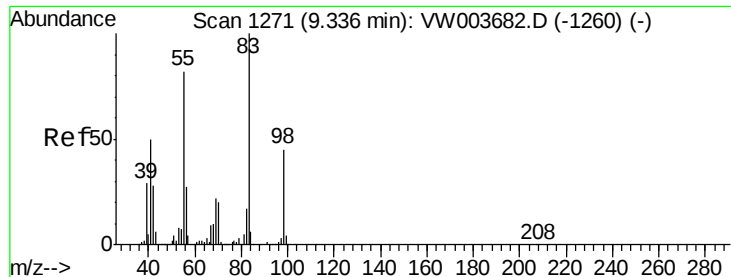
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#38
Carbon Tetrachloride
Concen: 104.51 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.1	111.1
121	30.4	25.0	37.4





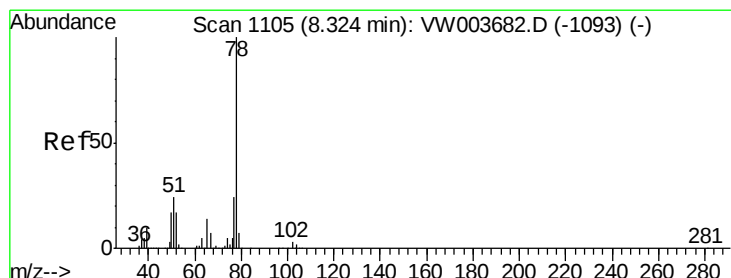
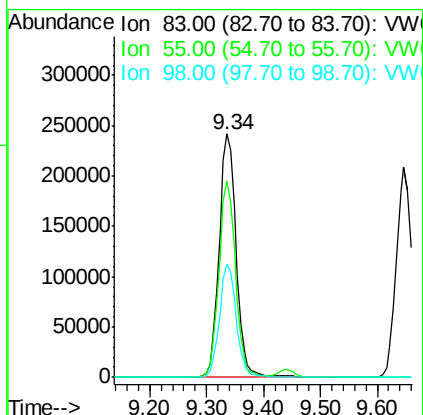
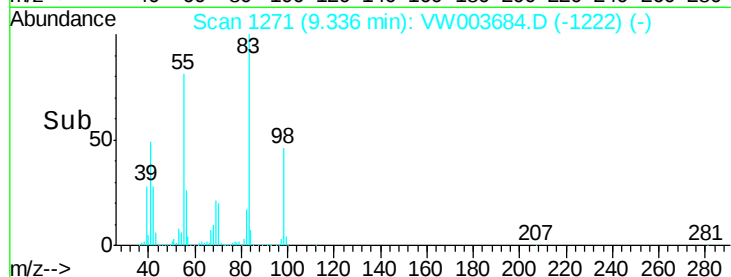
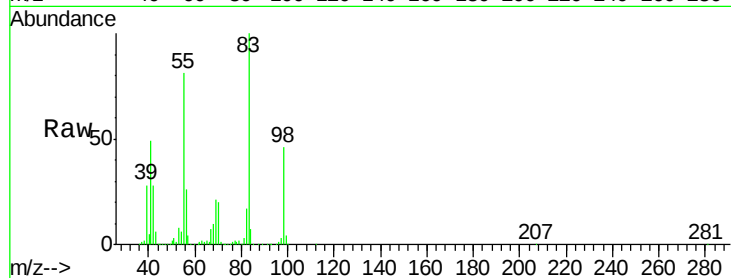
#39
Methylcyclohexane
Concen: 113.55 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.3	97.9
98	46.2	36.3	54.5

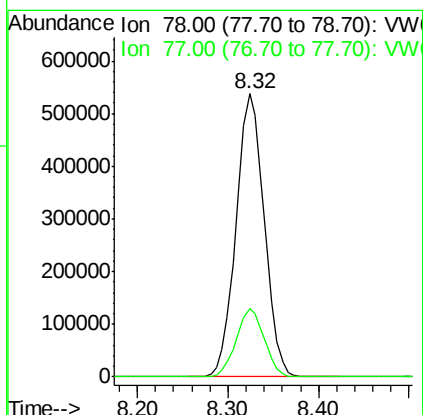
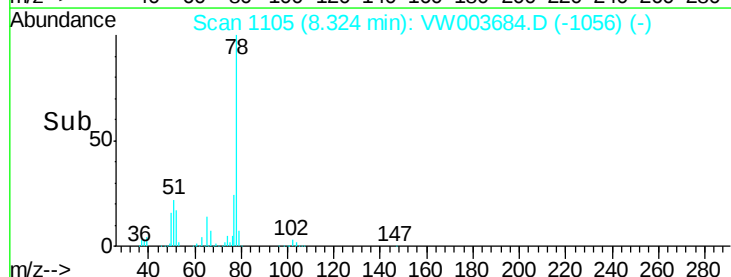
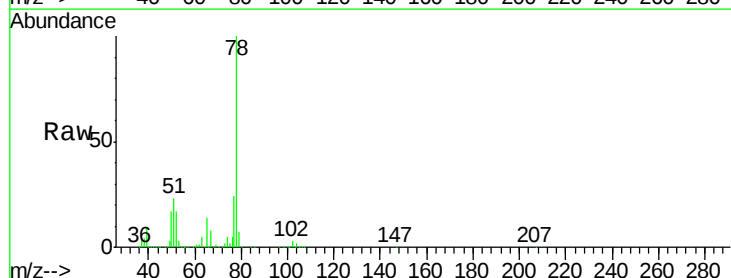
Manual Integrations
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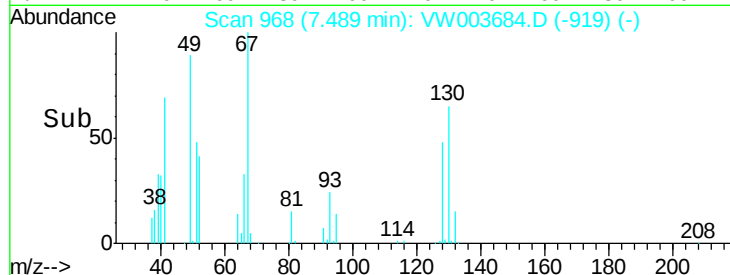
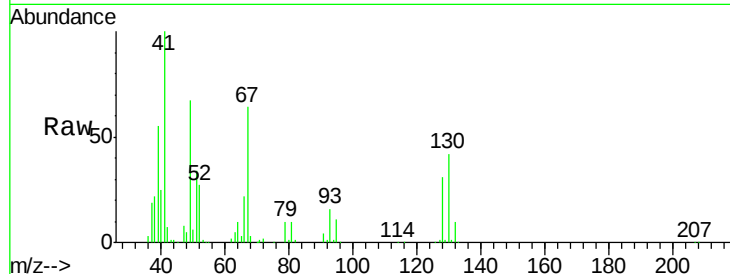
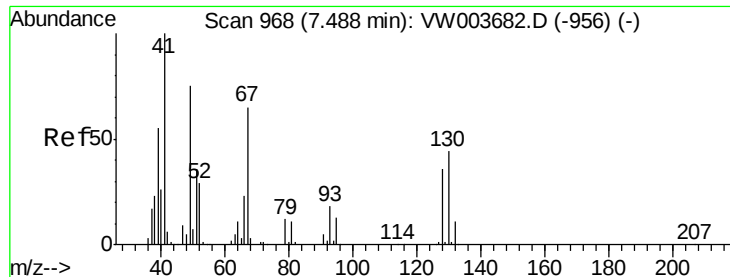
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#40
Benzene
Concen: 110.14 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





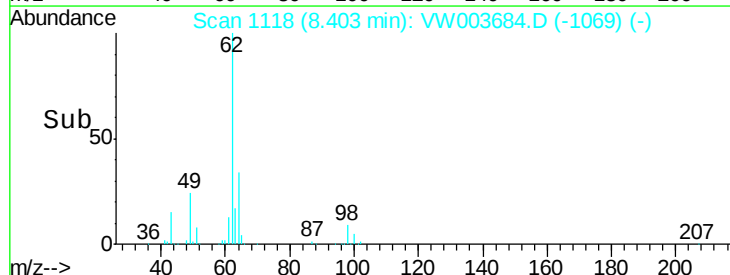
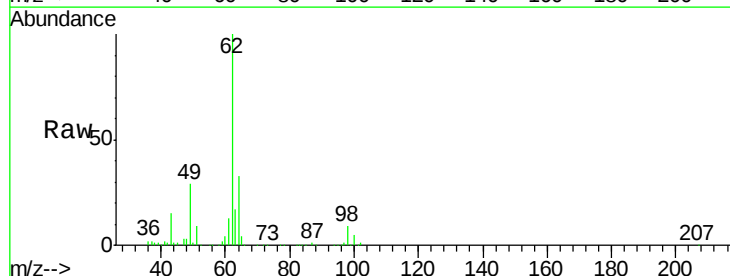
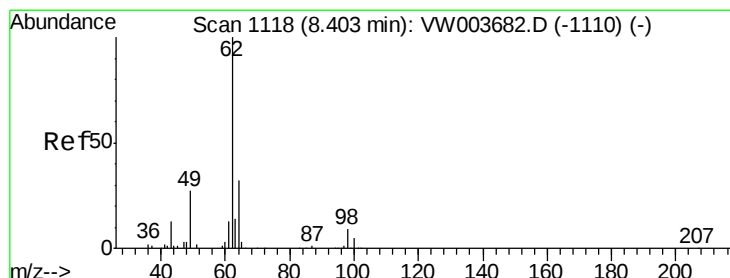
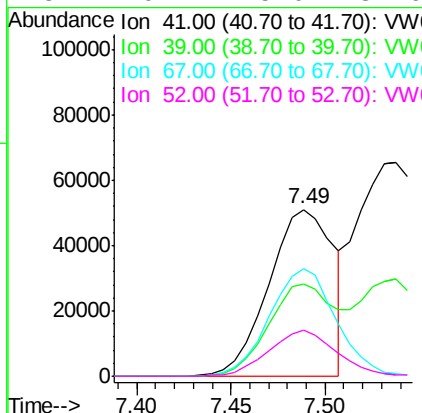
#41
Methacrylonitrile
Concen: 124.57 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		121723		
39	54.5	47.8	71.8		
67	66.2	53.9	80.9		
52	29.1	25.0	37.6		

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

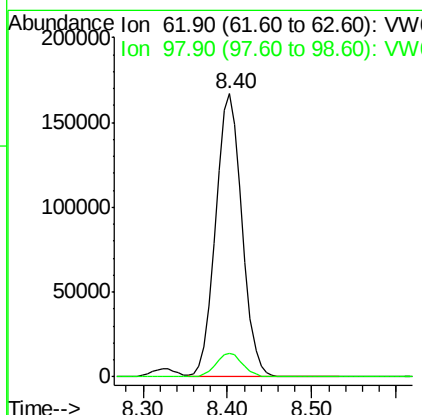
Manual Integrations
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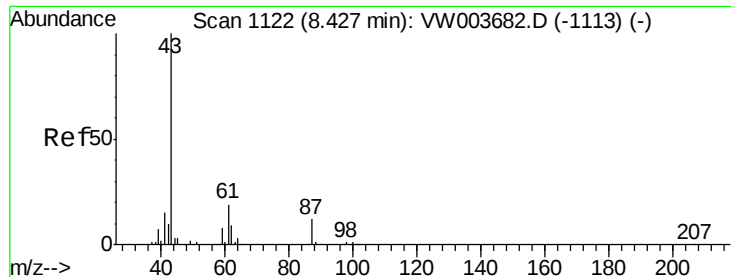
apatel
7/3/2018 10:16:52 AM



#42
1,2-Dichloroethane
Concen: 109.44 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		359347		
98	8.4	0.0	17.2		





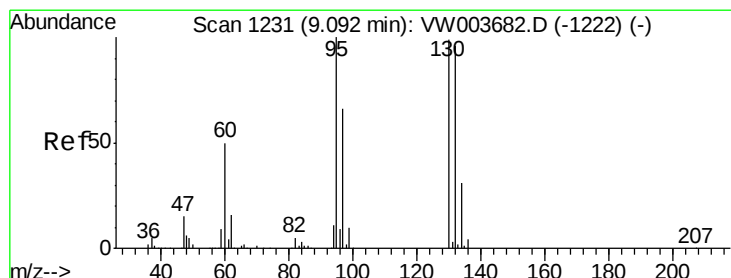
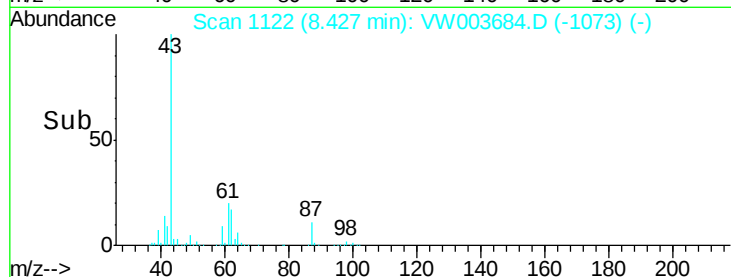
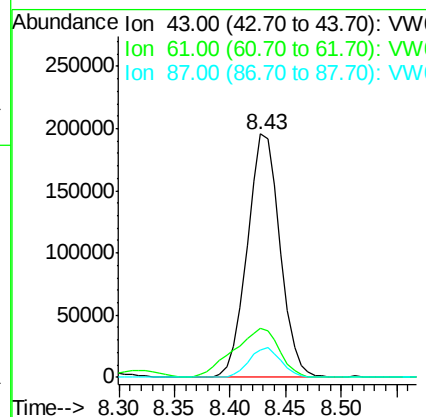
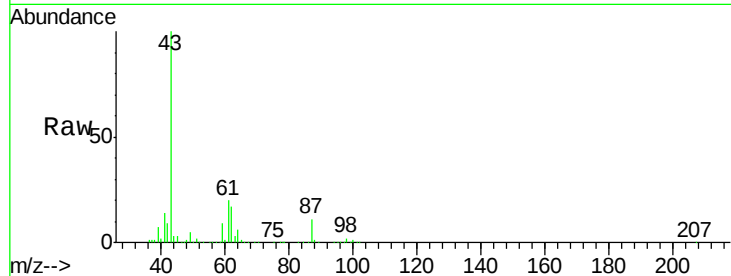
#43
Isopropyl Acetate
Concen: 126.07 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	23.0	34.6
87	12.0	9.8	14.6

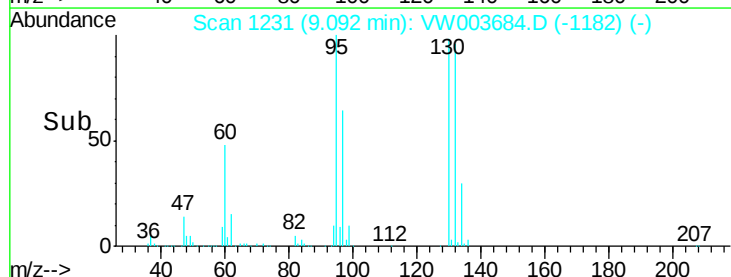
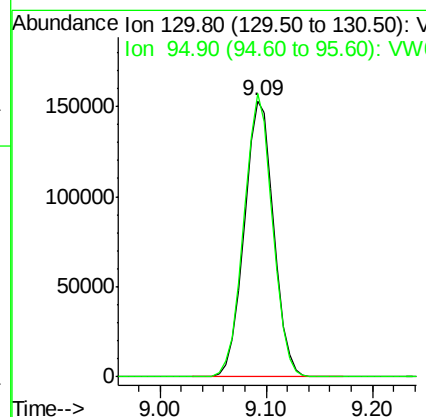
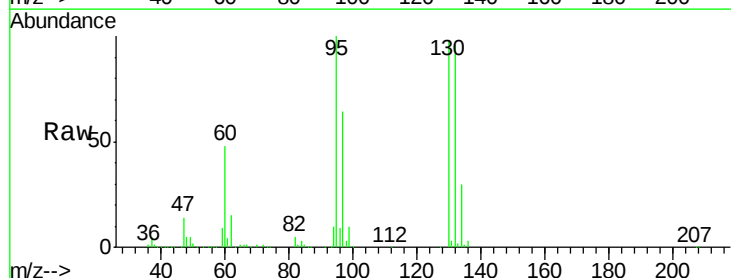
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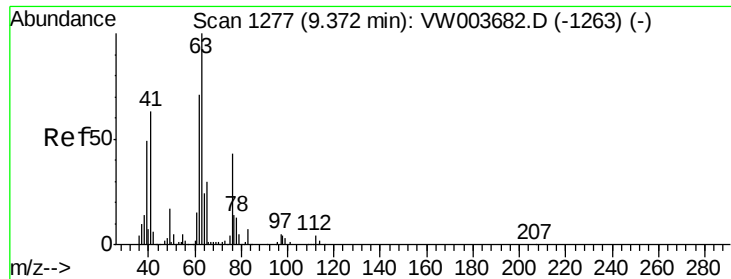
apatel
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#44
Trichloroethene
Concen: 107.34 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	202.6





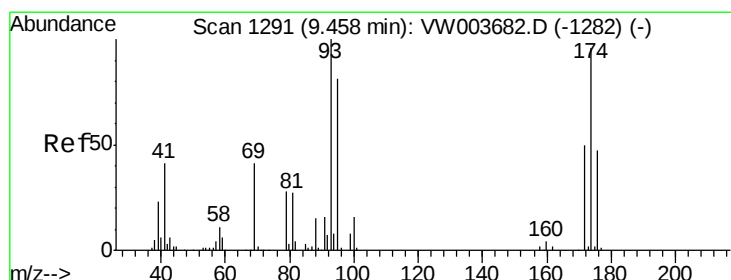
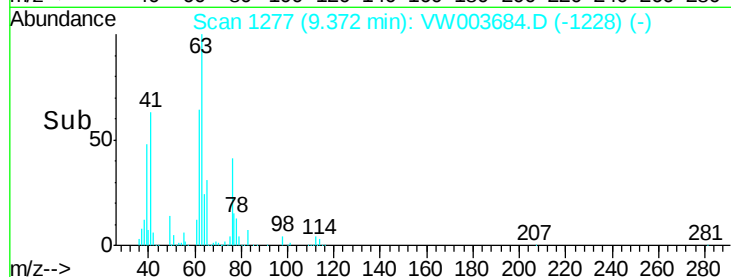
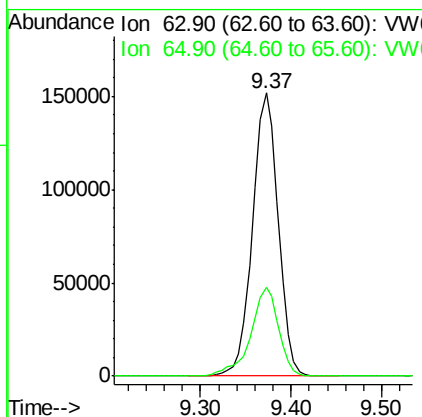
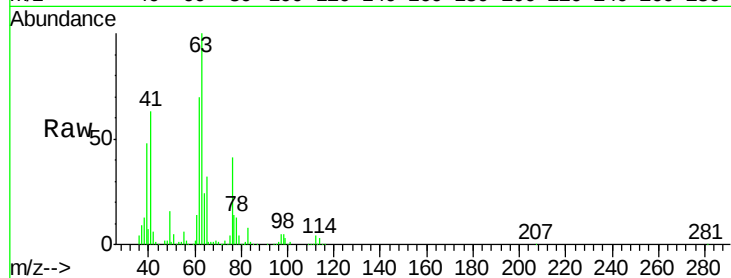
#45
 1,2-Dichloropropane
 Concen: 111.71 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.3	36.5

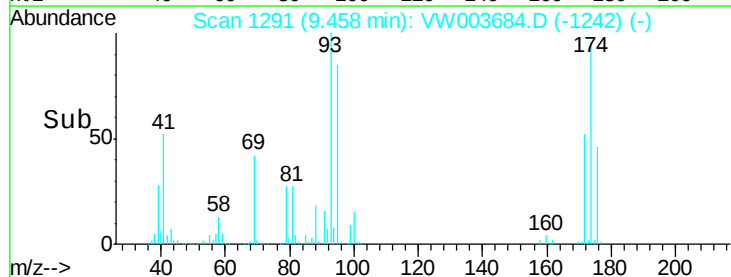
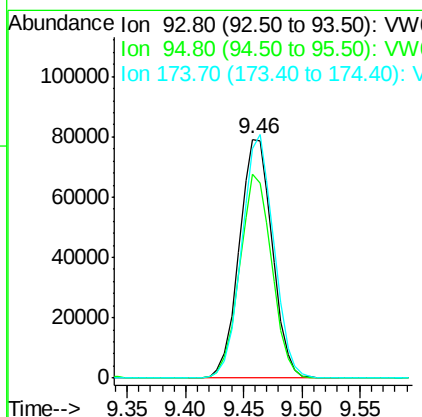
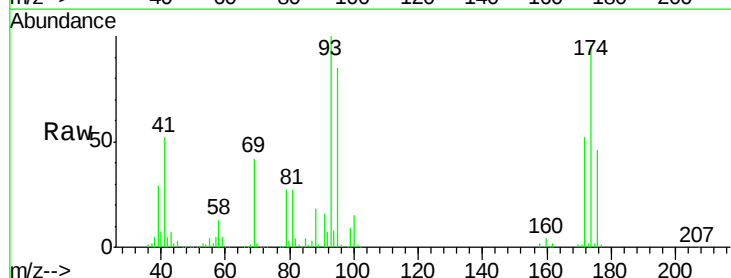
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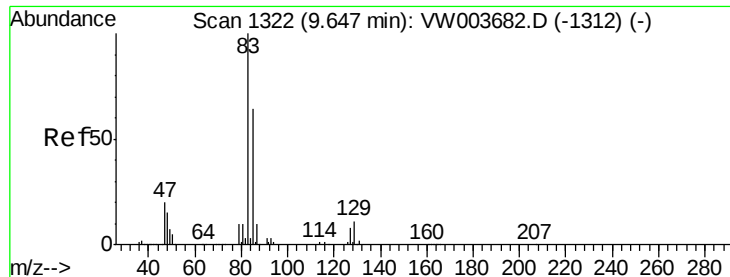
apatel
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#46
 Dibromomethane
 Concen: 114.07 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.2	99.4
174	98.8	79.6	119.4





#47

Bromodichloromethane

Concen: 111.07 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

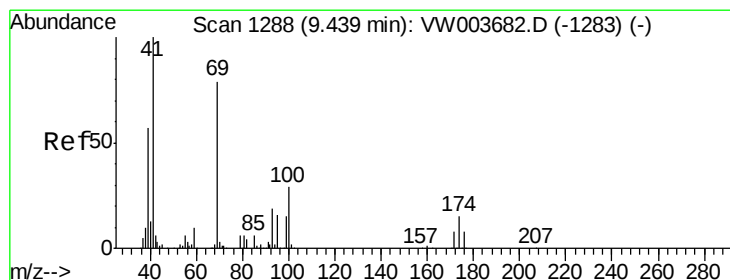
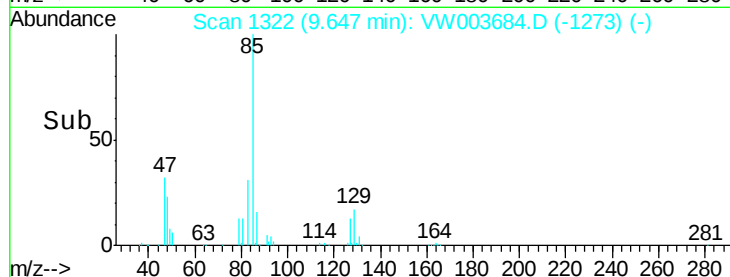
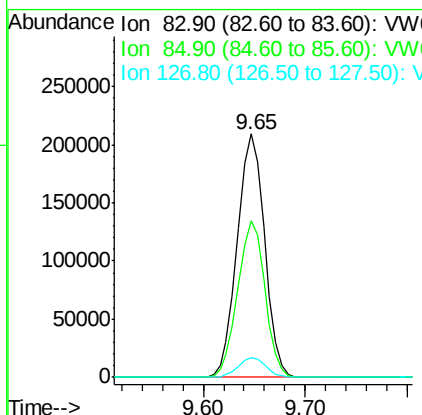
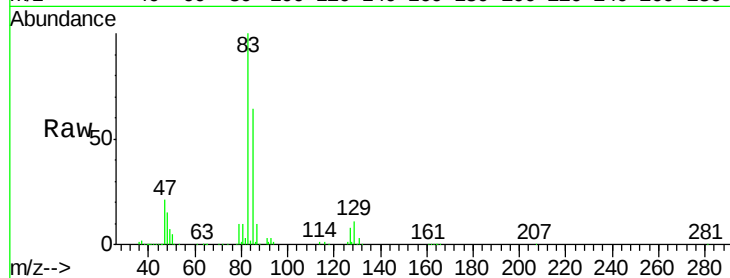
ClientSampled :

VSTDICC100

Tot Ion:	83	Resp:	388739
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.1	6.5	9.7

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#48

Methyl methacrylate

Concen: 131.11 ug/l

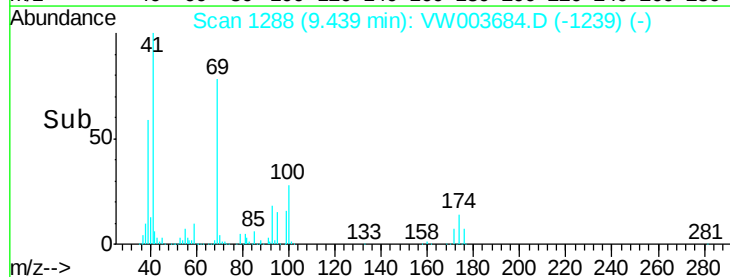
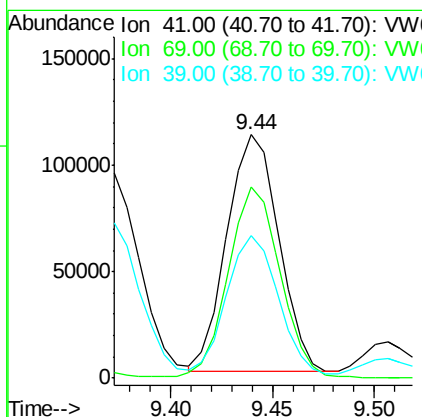
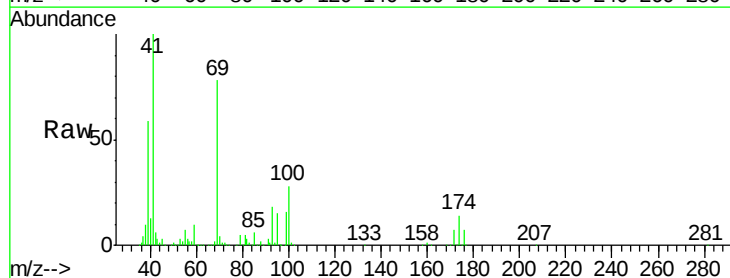
RT: 9.44 min Scan# 1288

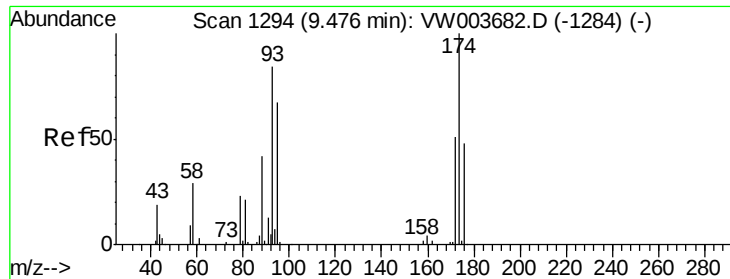
Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Tgt Ion:	41	Resp:	195786
Ion	Ratio	Lower	Upper
41	100		
69	81.7	65.4	98.2
39	61.7	50.0	75.0





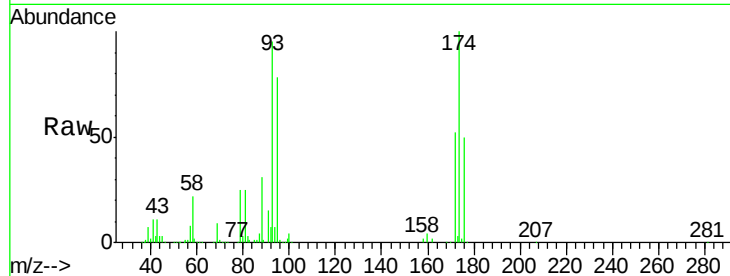
#49
1,4-Dioxane
Concen: 2502.26 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

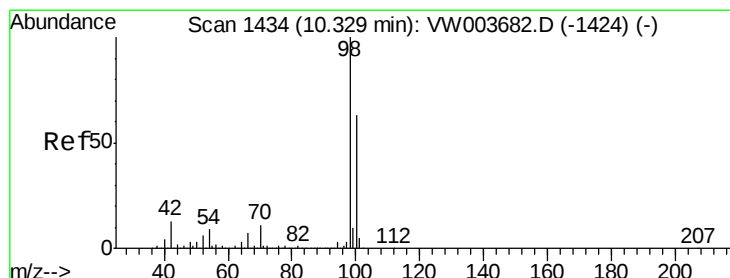
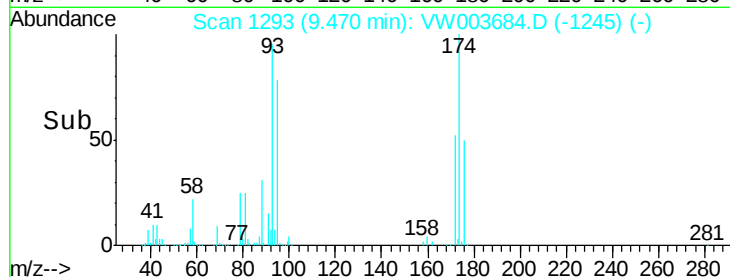
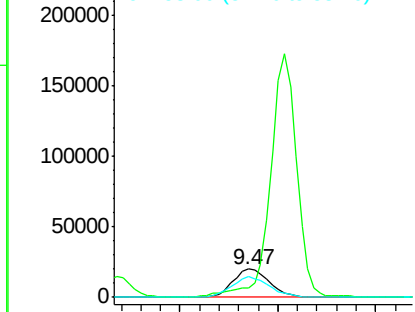
Tot Ion	88	Resp	51982
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.7	61.8	92.6

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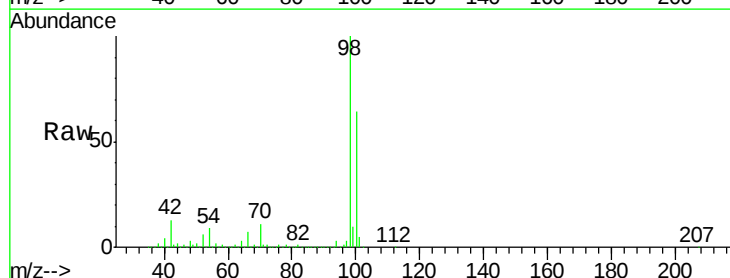


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

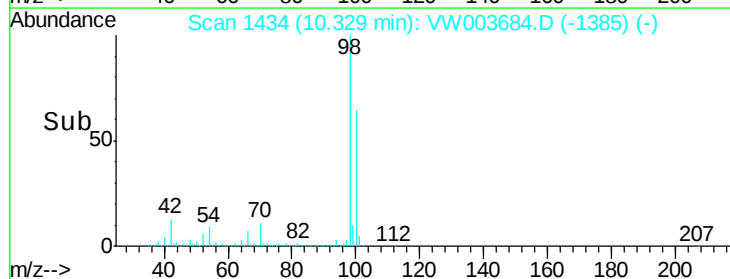
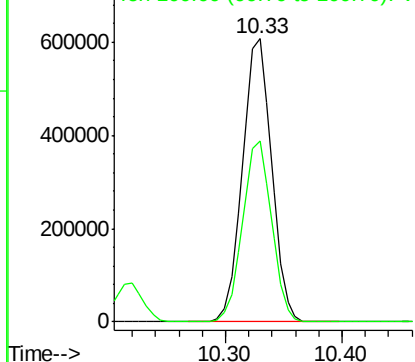


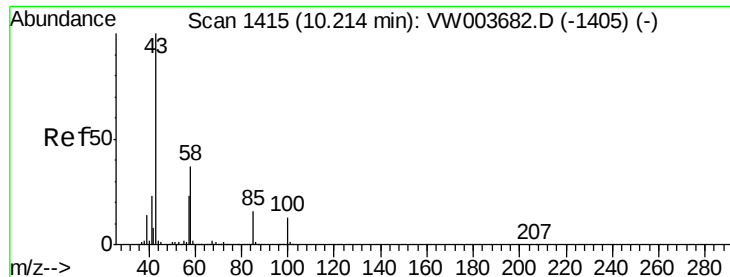
#50
Toluene-d8
Concen: 110.18 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	98	Resp	1064780
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.8	76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 647.73 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1052292

Ion Ratio Lower Upper

43 100

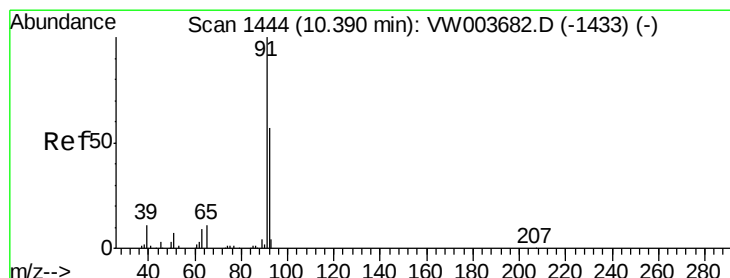
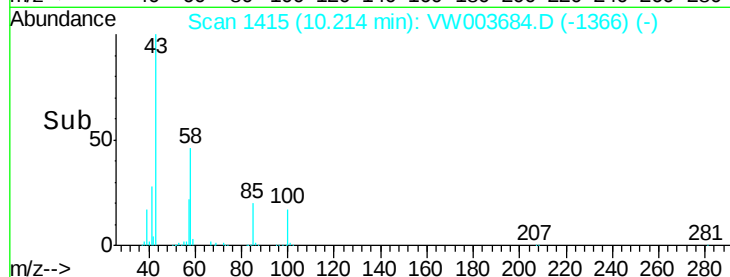
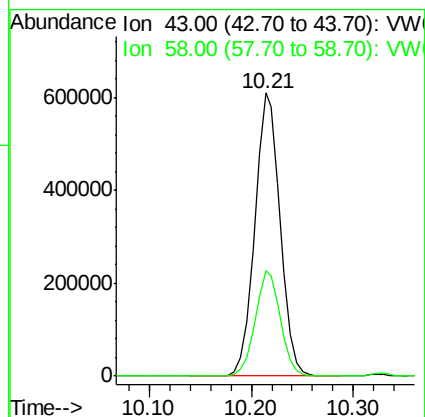
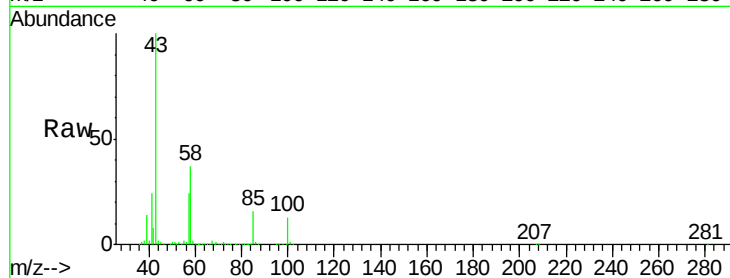
58 37.0 29.6 44.4

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#52

Toluene

Concen: 109.10 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003684.D

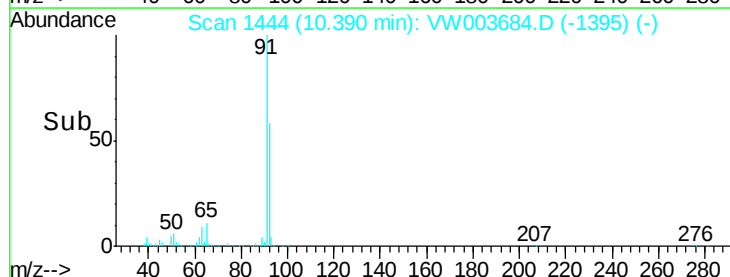
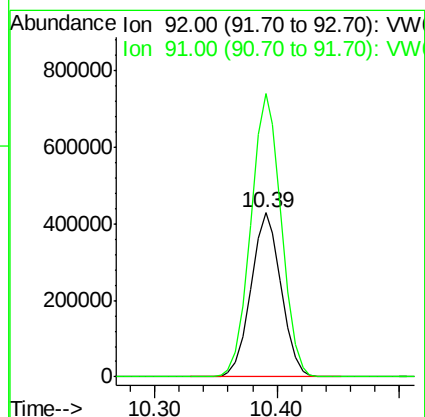
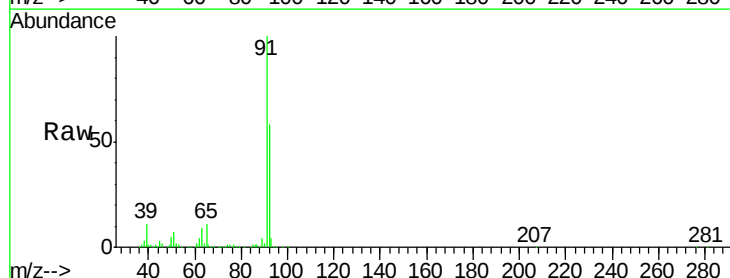
Acq: 02 Jul 2018 18:42

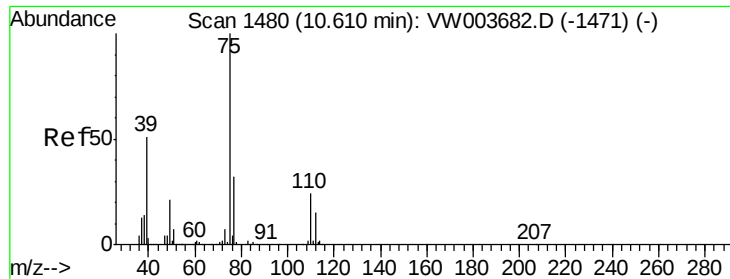
Tgt Ion: 92 Resp: 732690

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 117.38 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 420740

Ion Ratio Lower Upper

75 100

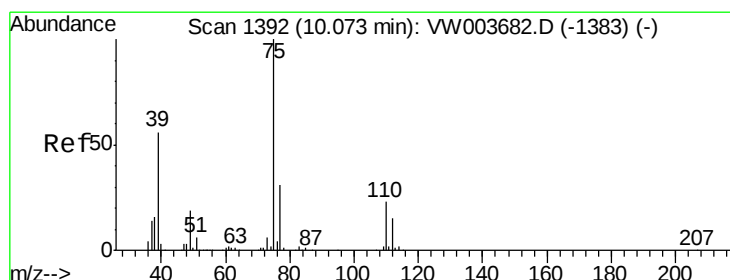
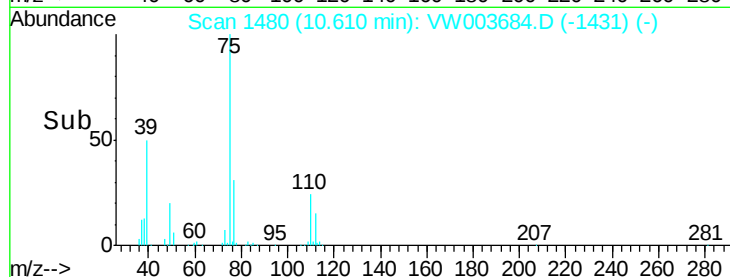
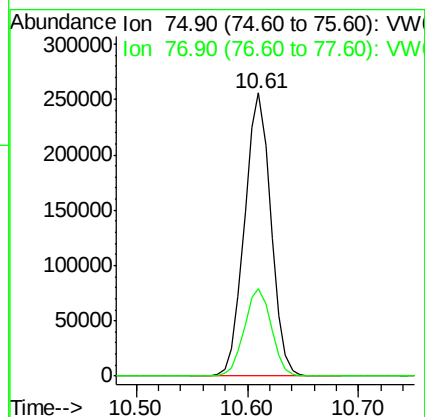
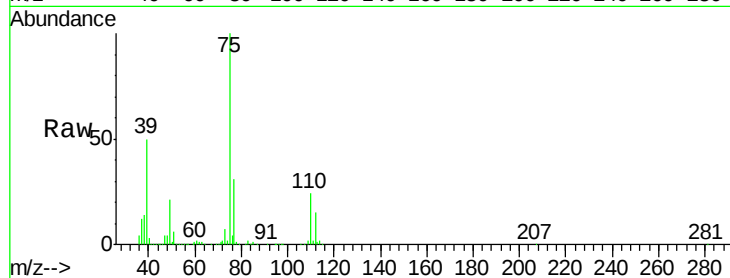
77 31.0 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 115.76 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

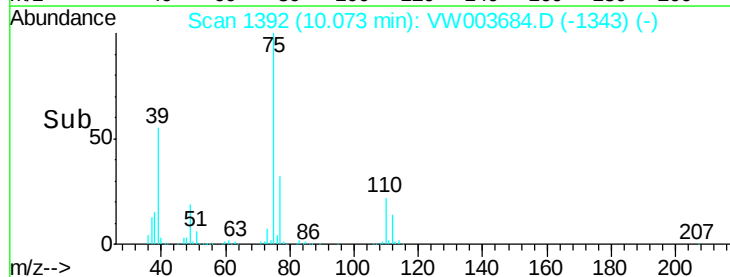
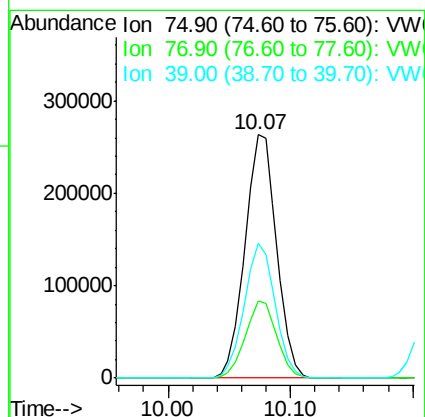
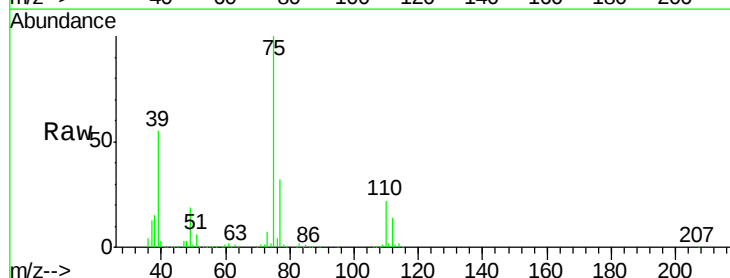
Tgt Ion: 75 Resp: 472935

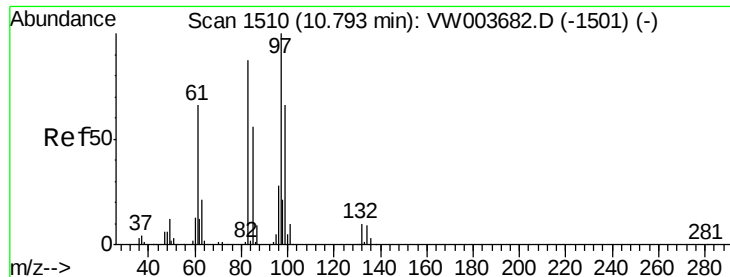
Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

39 55.2 44.6 67.0





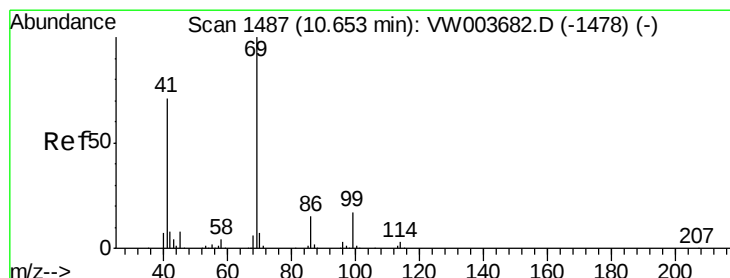
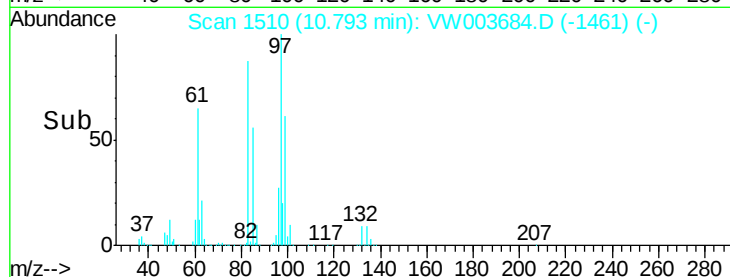
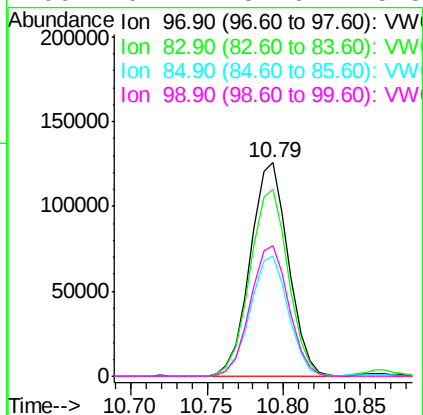
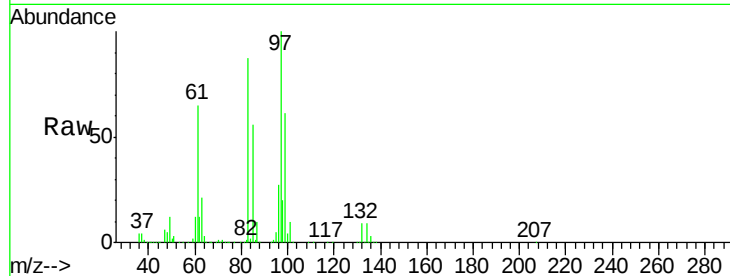
#55
 1,1,2-Trichloroethane
 Concen: 112.90 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		218325		
83	87.4	69.5	104.3		
85	56.4	44.7	67.1		
99	61.4	52.6	78.8		

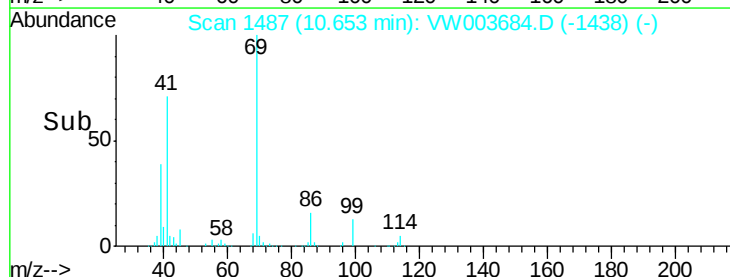
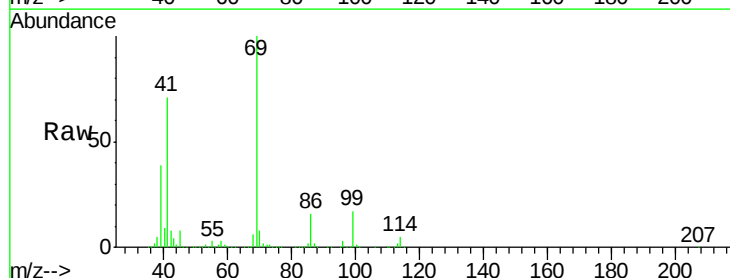
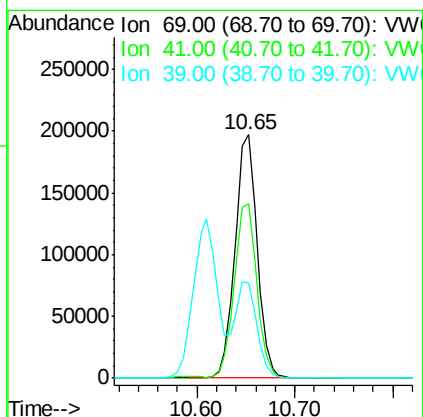
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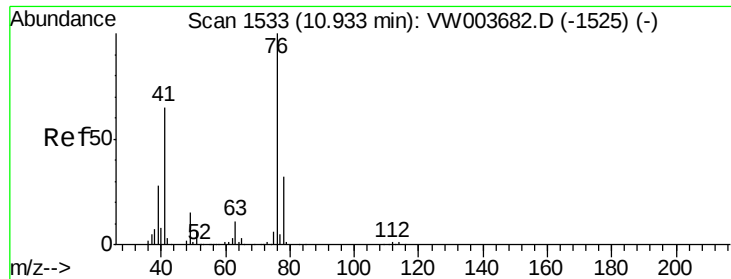
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#56
 Ethyl methacrylate
 Concen: 131.02 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		309737		
41	72.5	57.5	86.3		
39	39.9	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 115.42 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 385815

Ion Ratio Lower Upper

76 100

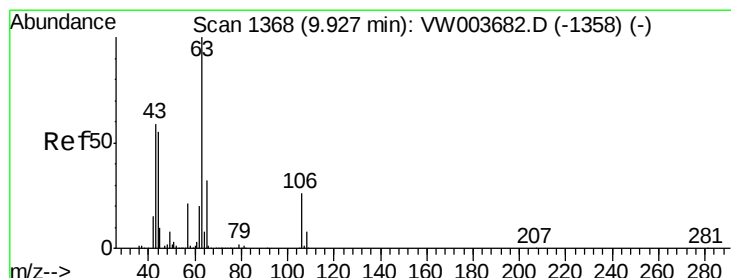
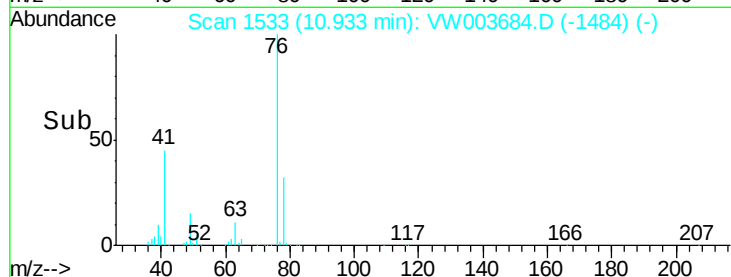
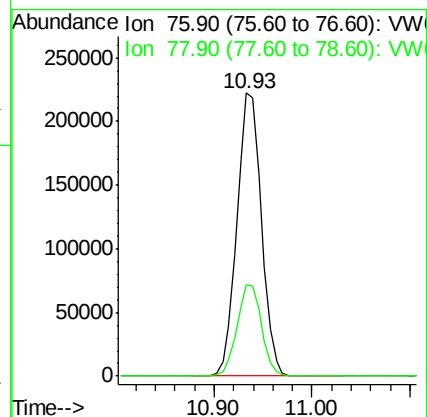
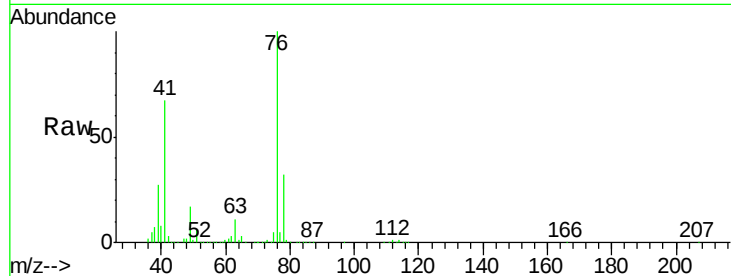
78 32.3 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 565.42 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003684.D

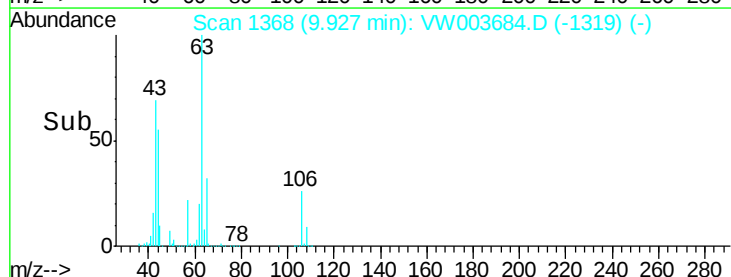
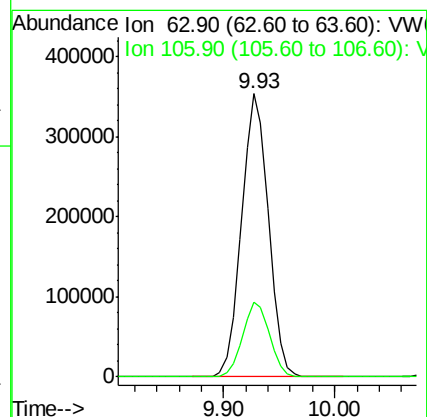
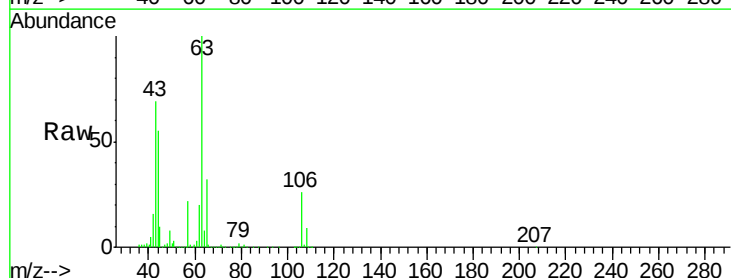
Acq: 02 Jul 2018 18:42

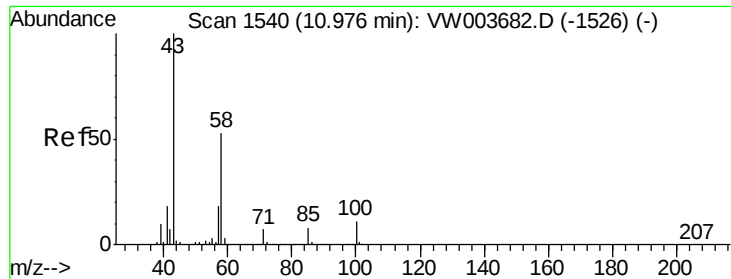
Tgt Ion: 63 Resp: 589325

Ion Ratio Lower Upper

63 100

106 26.4 20.7 31.1





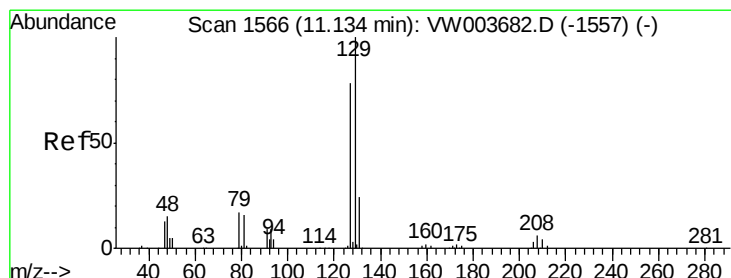
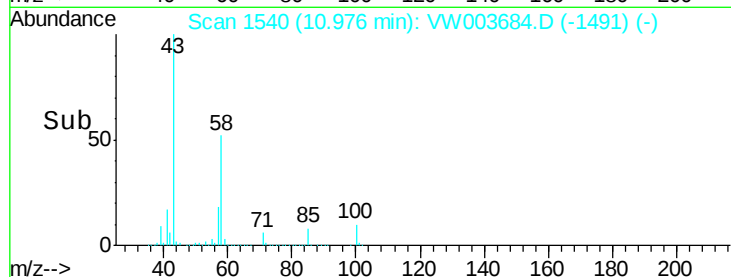
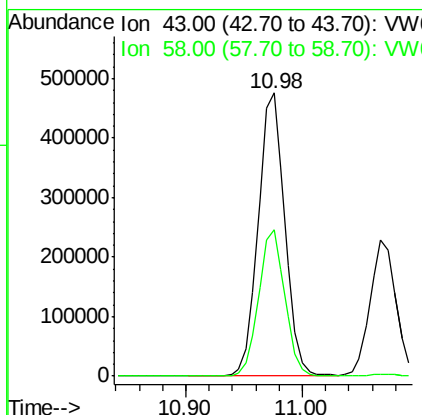
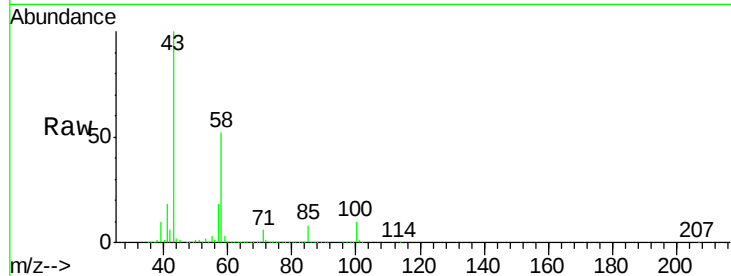
#59
2-Hexanone
Concen: 666.81 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 758343
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.6

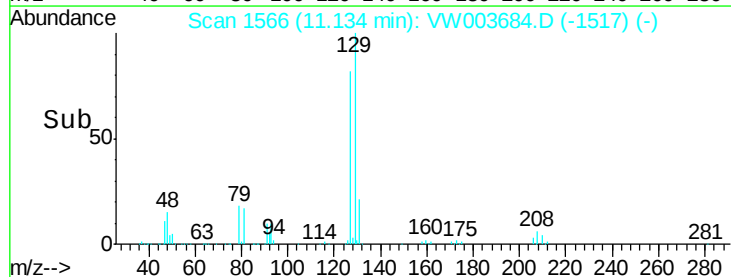
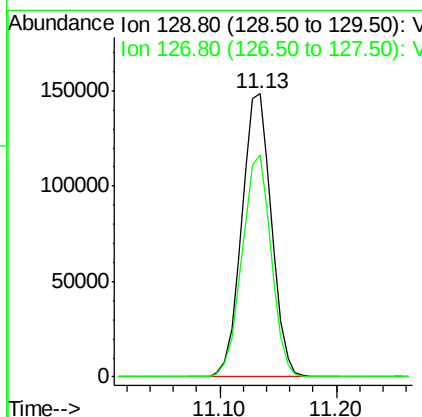
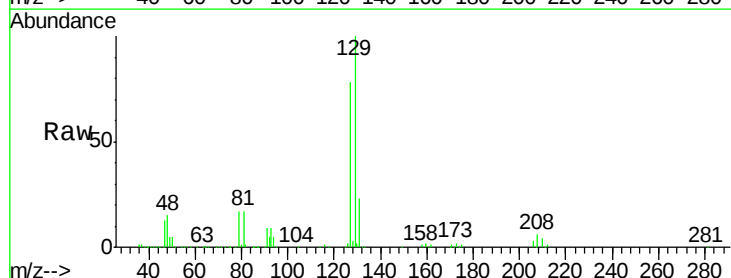
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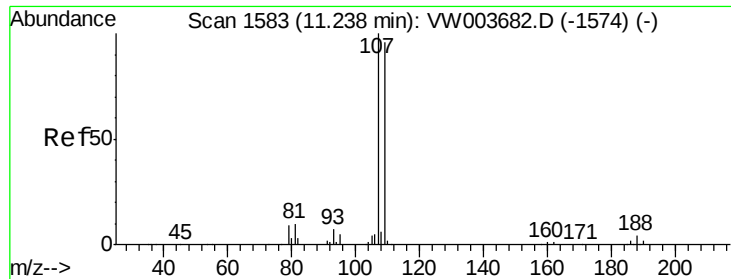
apatel
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#60
Dibromochloromethane
Concen: 115.52 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion: 129 Resp: 264100
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





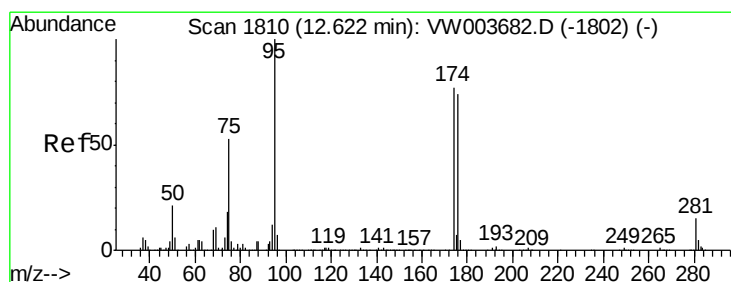
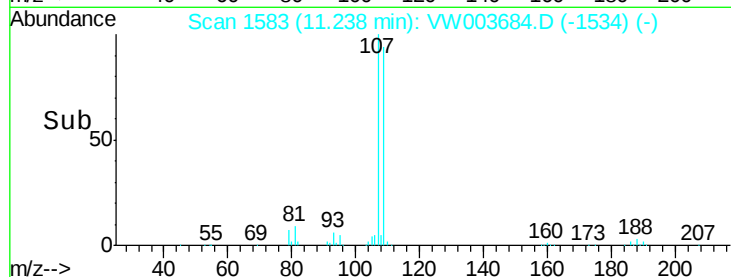
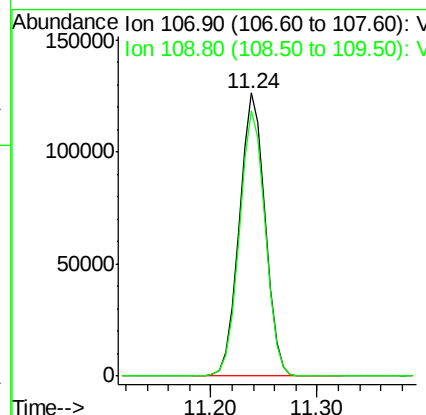
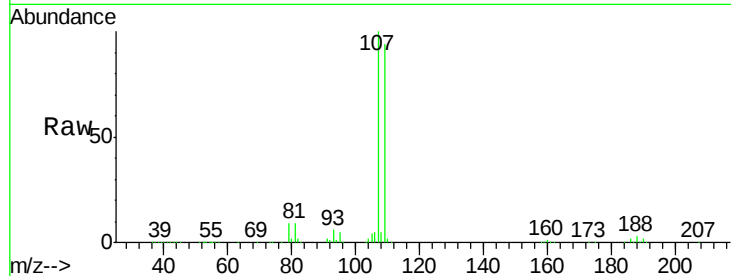
#61
 1,2-Dibromoethane
 Concen: 117.30 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.6	113.4

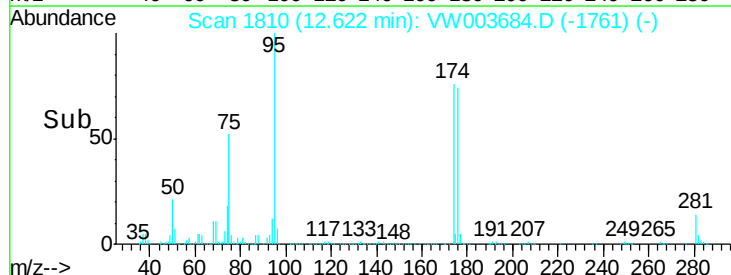
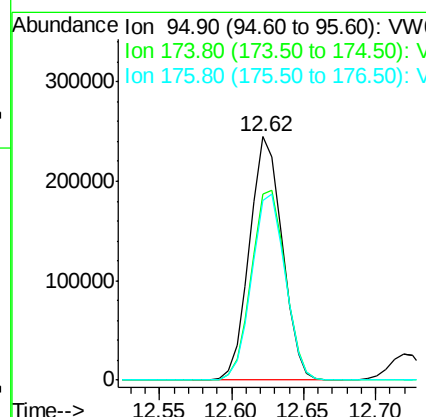
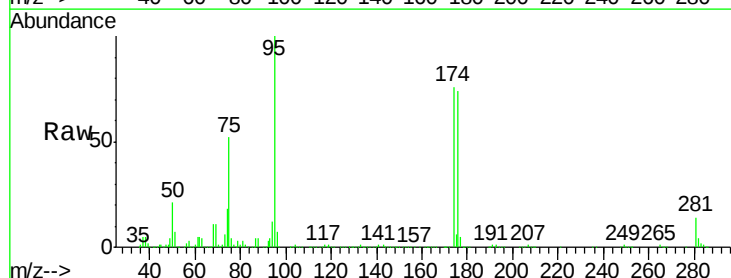
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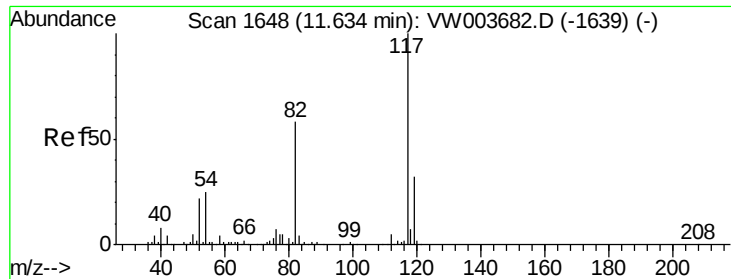
apatel
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#62
 4-Bromofluorobenzene
 Concen: 112.05 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	161.2
176	78.2	0.0	155.0





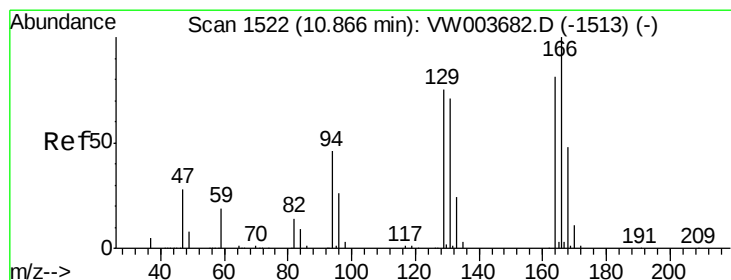
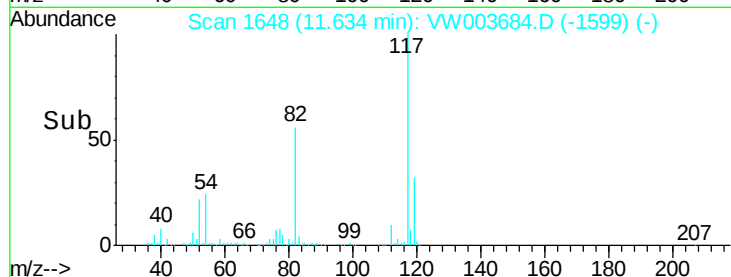
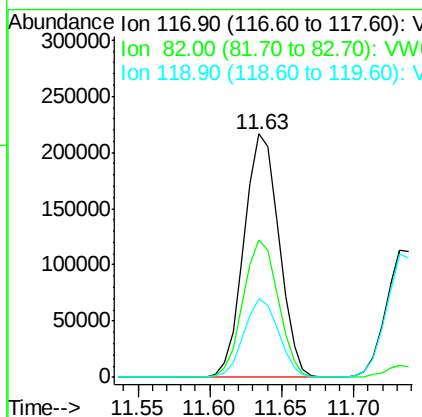
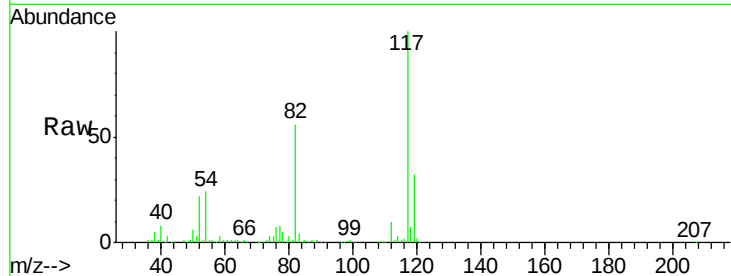
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	365168		
82	56.3	46.0	69.0	
119	32.2	25.4	38.0	

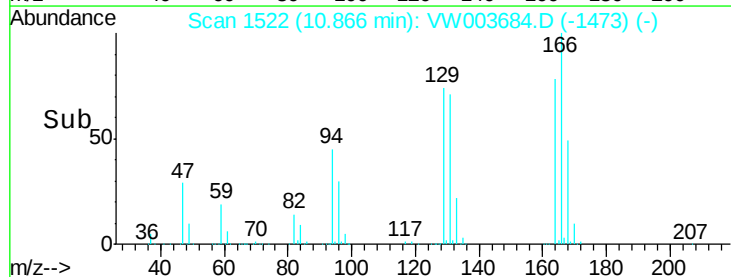
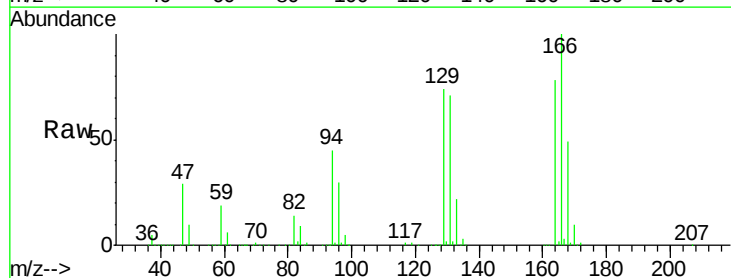
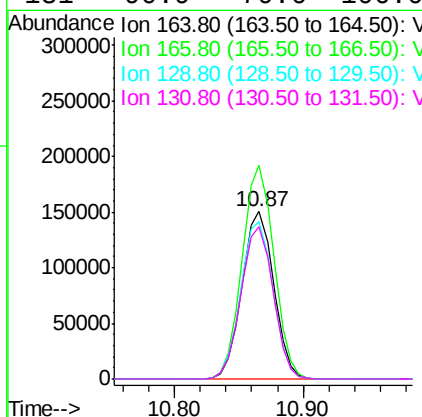
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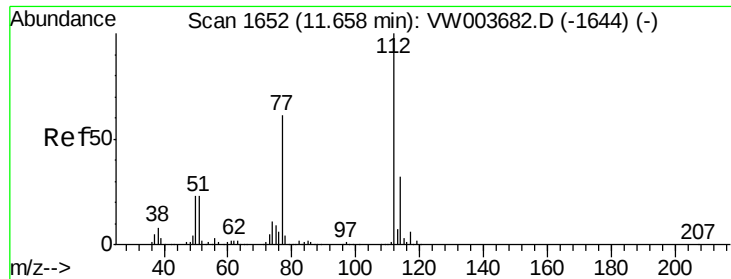
apatel
7/3/2018 10:16:52 AM



#64
Tetrachloroethene
Concen: 103.95 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	256001		
166	127.6	99.0	148.4	
129	94.2	73.8	110.6	
131	90.9	70.6	106.0	





#65

Chlorobenzene

Concen: 104.13 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 798797

Ion Ratio Lower Upper

112 100

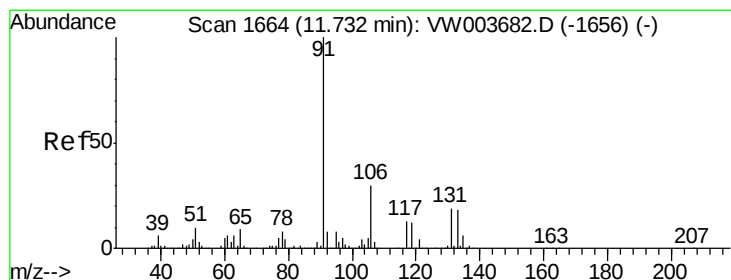
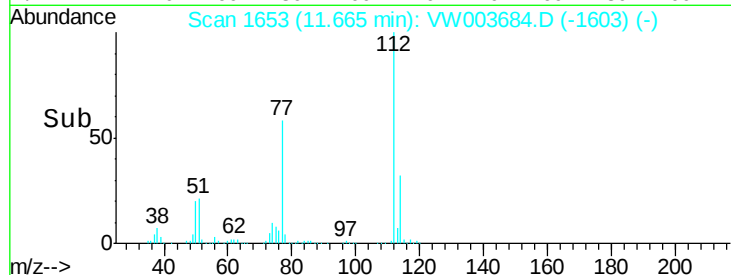
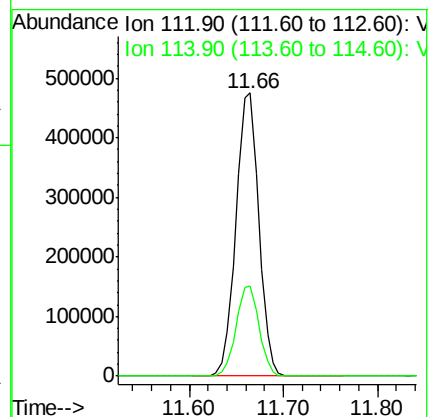
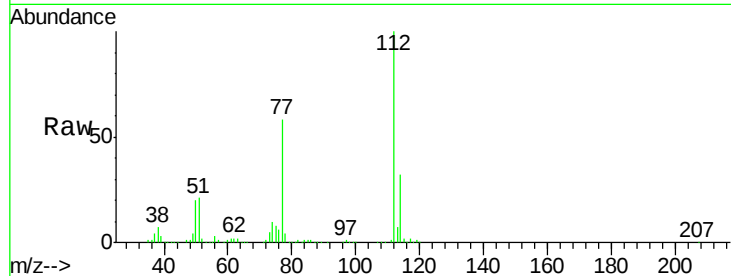
114 31.9 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 104.43 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

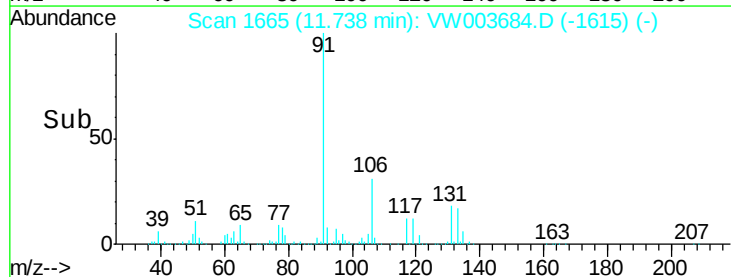
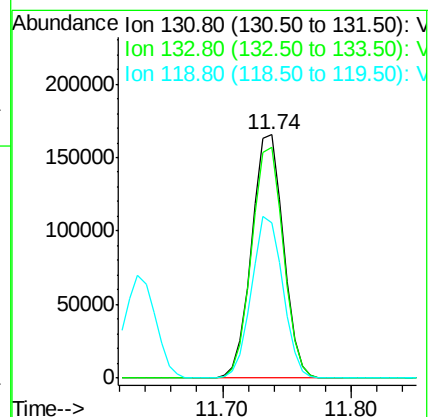
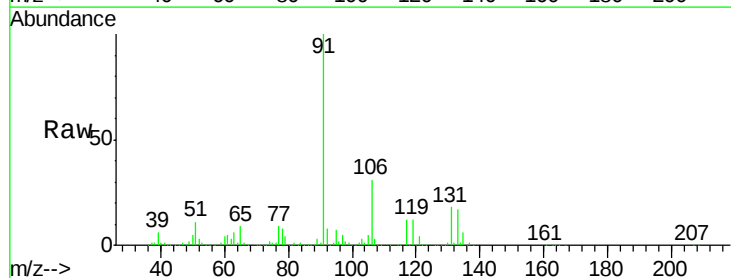
Tgt Ion:131 Resp: 281079

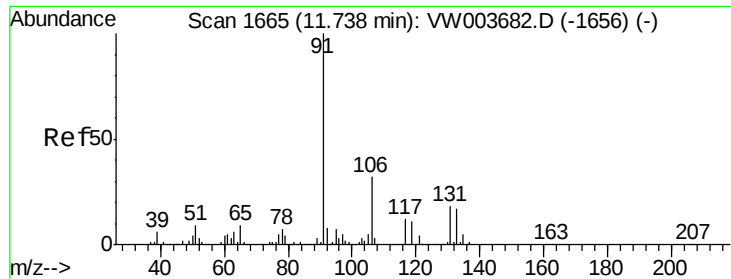
Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.8

119 65.6 31.9 95.9





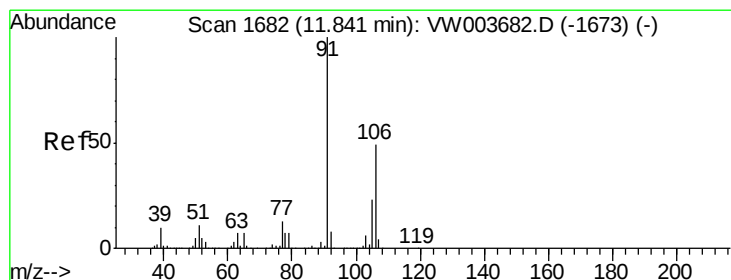
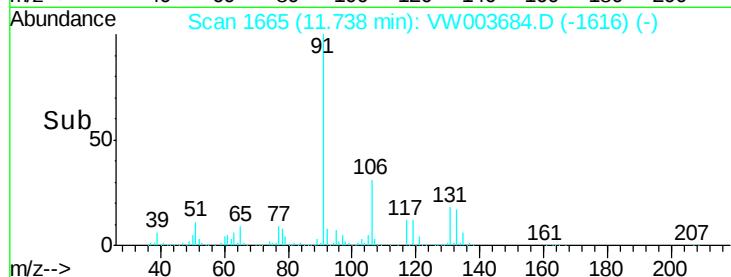
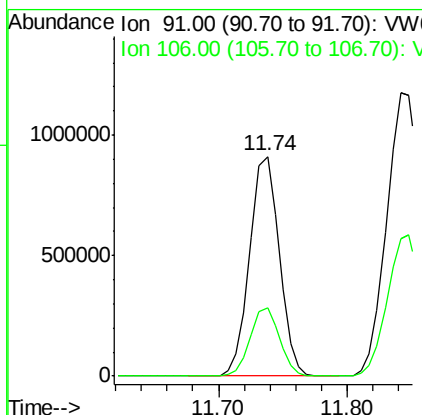
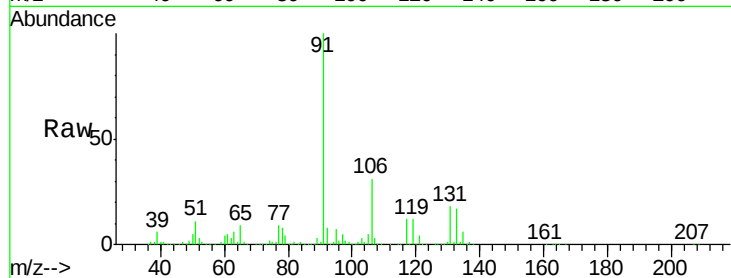
#67
Ethyl Benzene
Concen: 106.37 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1447673
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

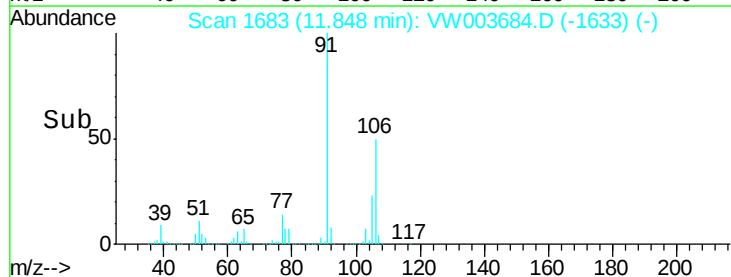
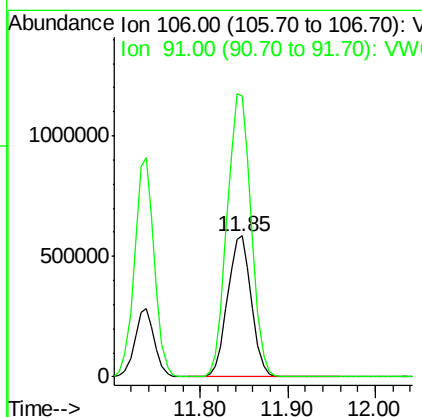
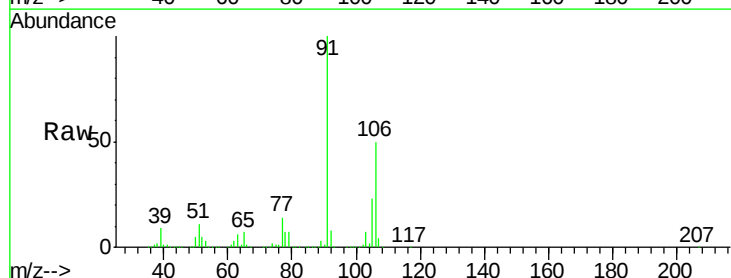
Manual Integrations
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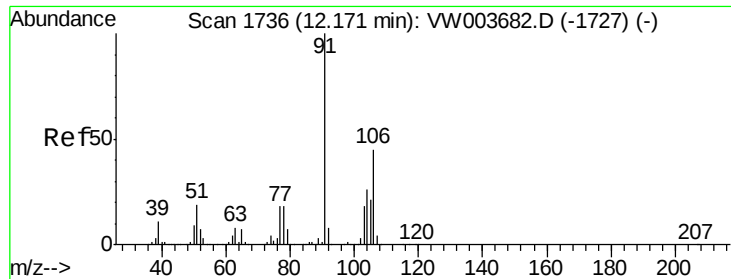
apatel
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#68
m/p-Xylenes
Concen: 212.26 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion: 106 Resp: 1098280
Ion Ratio Lower Upper
106 100
91 204.2 163.7 245.5





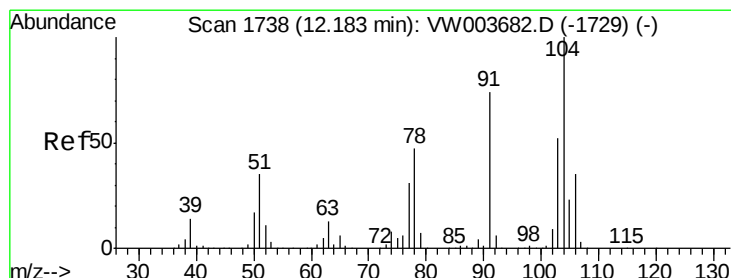
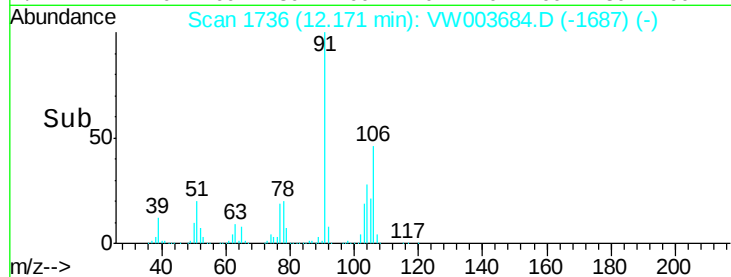
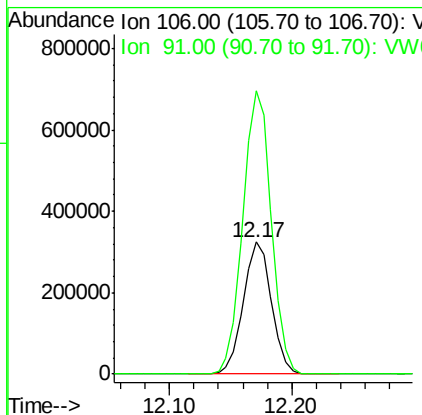
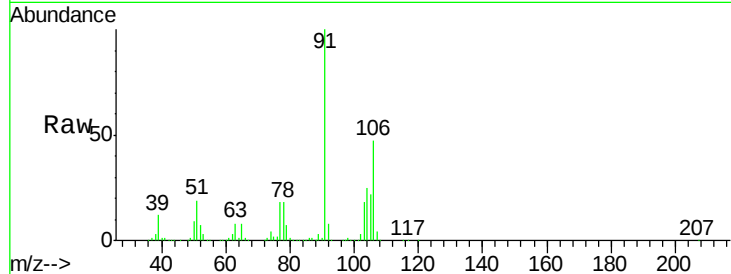
#69
o-Xylene
Concen: 108.07 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 516422
Ion Ratio Lower Upper
106 100
91 217.0 109.3 327.8

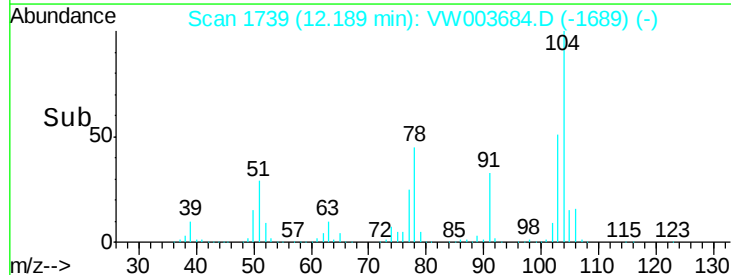
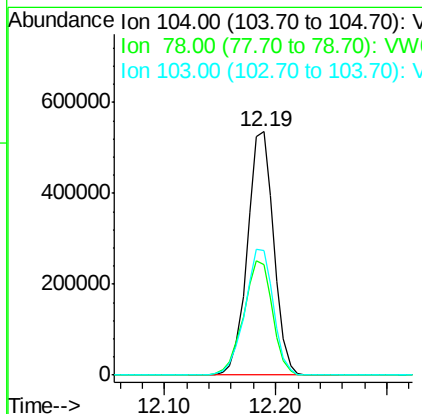
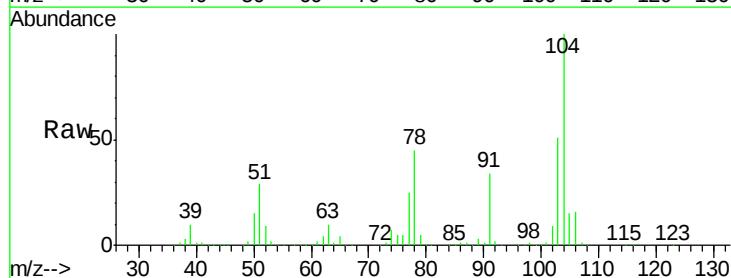
Manual Integrations
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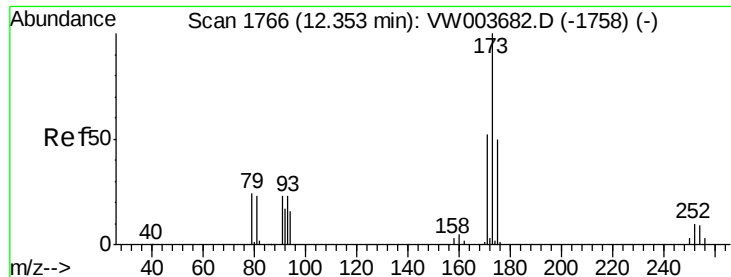
apatel
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#70
Styrene
Concen: 109.79 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion:104 Resp: 877593
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.4
103 56.1 44.4 66.6





#71

Bromoform

Concen: 116.10 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 163118

Ion Ratio Lower Upper

173 100

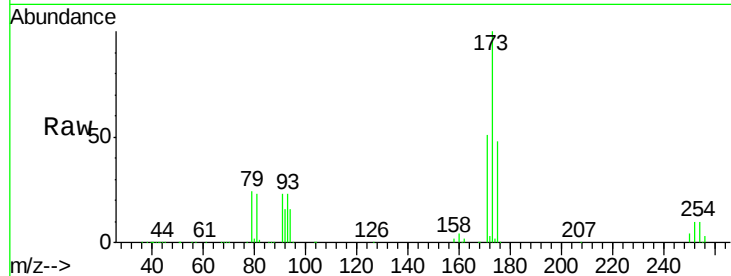
175 48.4 24.5 73.5

254 0.2 0.2 0.2

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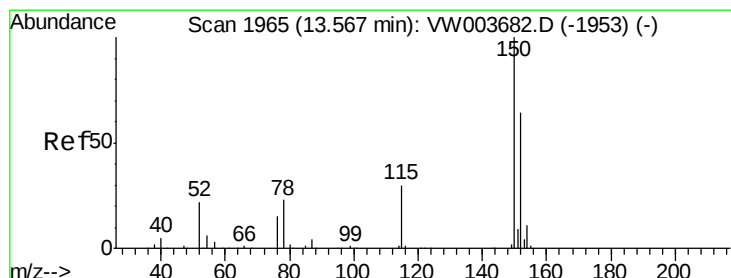
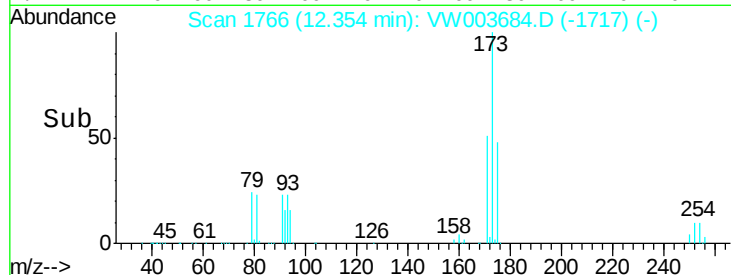
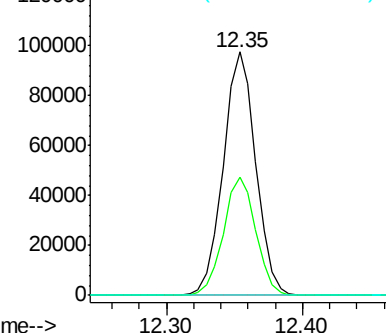
7/3/2018 10:16:52 AM



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# 1965

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

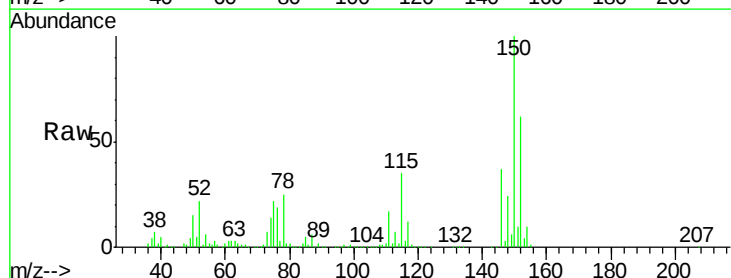
Tgt Ion:152 Resp: 188868

Ion Ratio Lower Upper

152 100

115 57.9 29.3 88.0

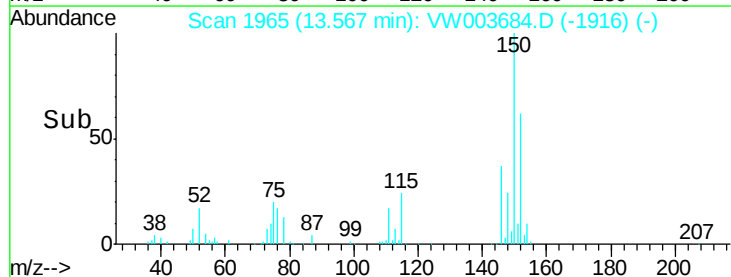
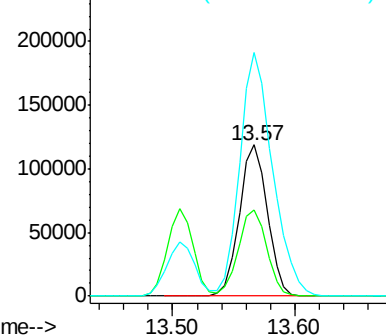
150 189.7 0.0 352.0

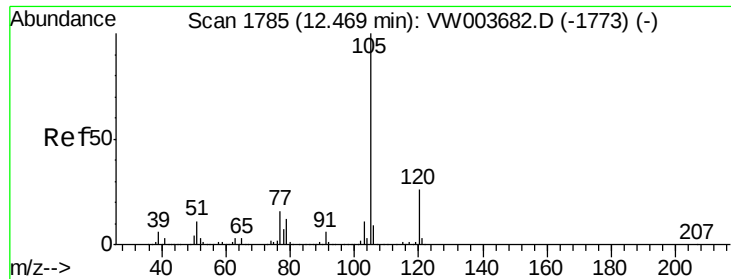


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 107.77 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1421409

Ion Ratio Lower Upper

105 100

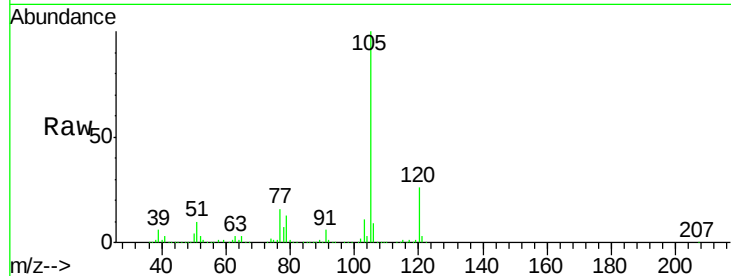
120 26.2 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

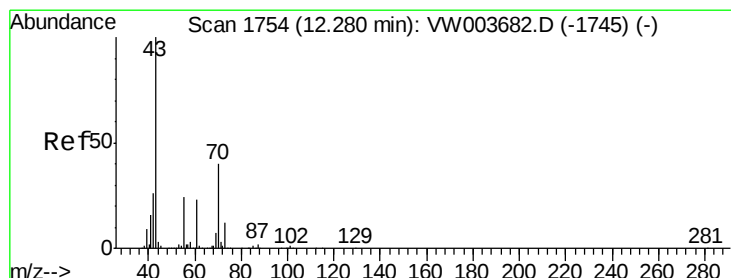
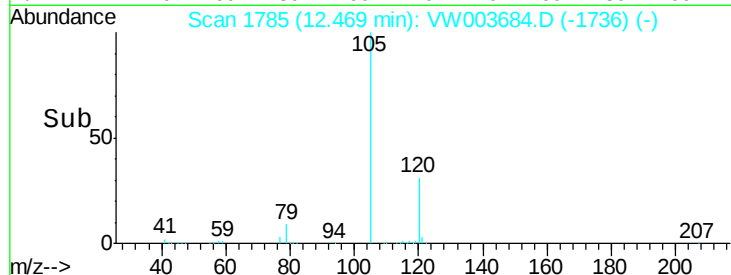
0

12.40

12.47

12.50

Time-->



#74

N-ethyl acetate

Concen: 127.70 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Tgt Ion: 43 Resp: 392365

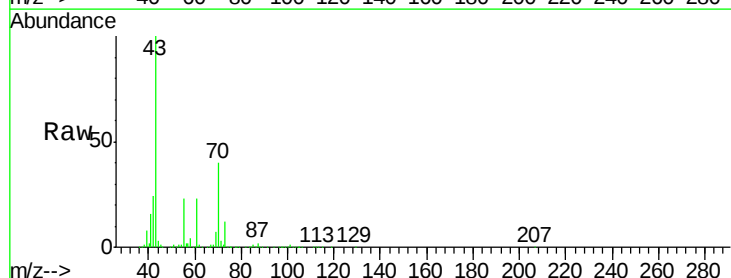
Ion Ratio Lower Upper

43 100

70 39.2 31.3 46.9

55 24.0 20.1 30.1

61 22.8 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

400000

300000

200000

100000

0

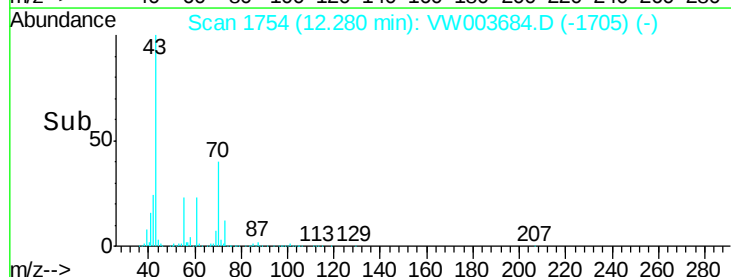
12.20

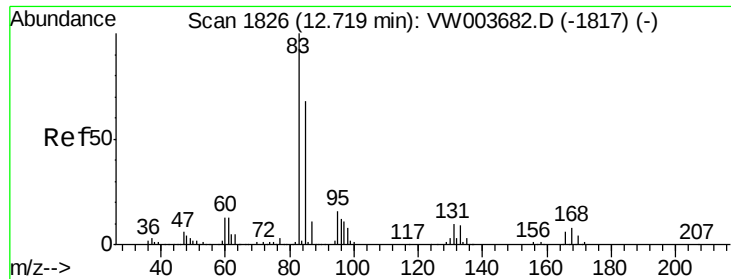
12.28

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 116.68 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

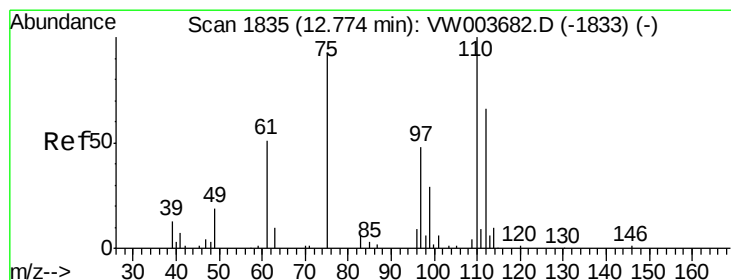
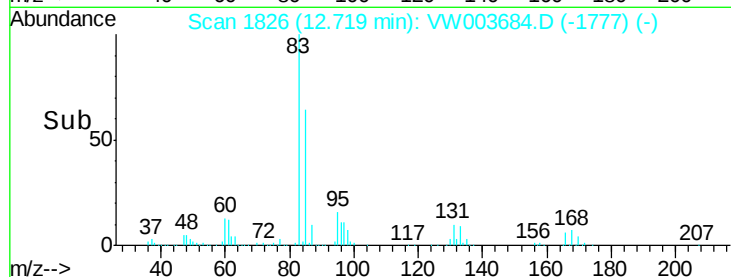
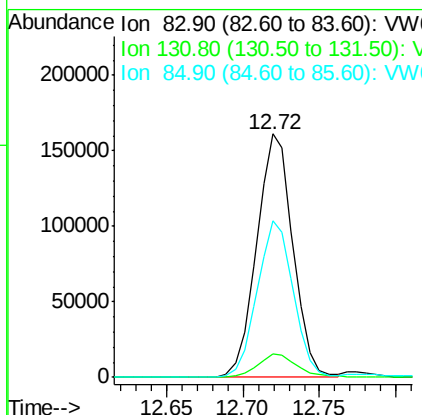
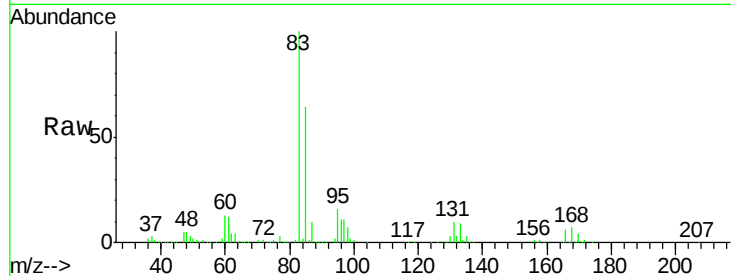
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	265682
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 111.72 ug/l m

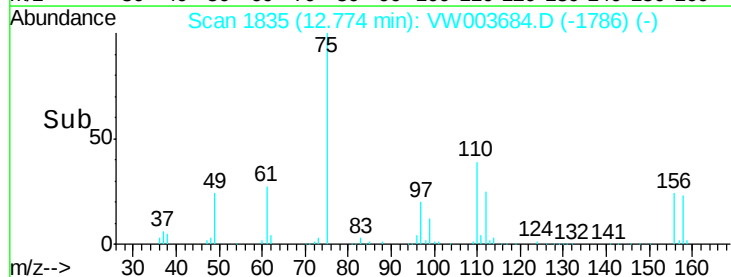
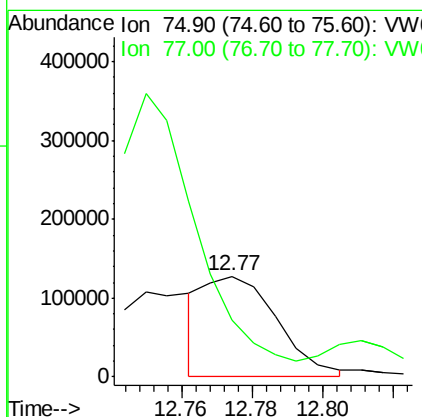
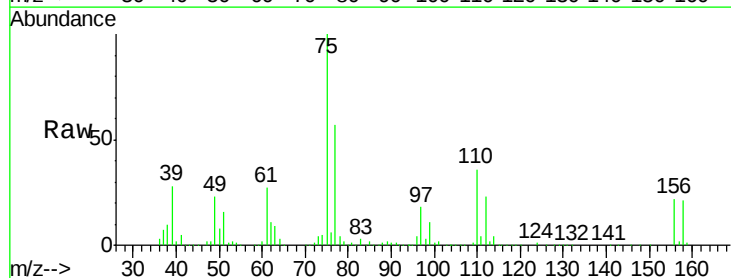
RT: 12.77 min Scan# 1835

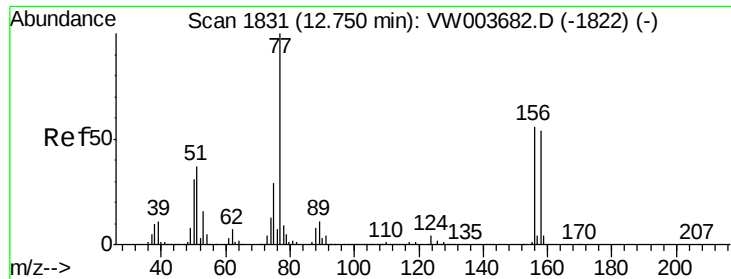
Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Tgt Ion:	75	Resp:	182766
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





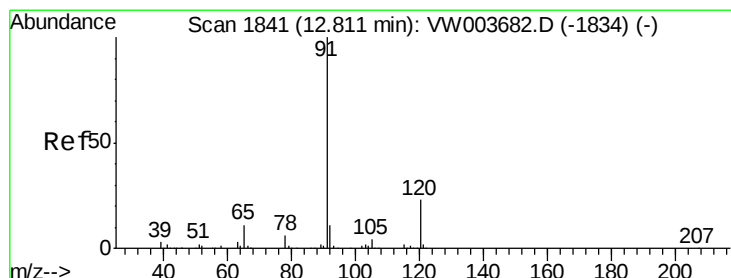
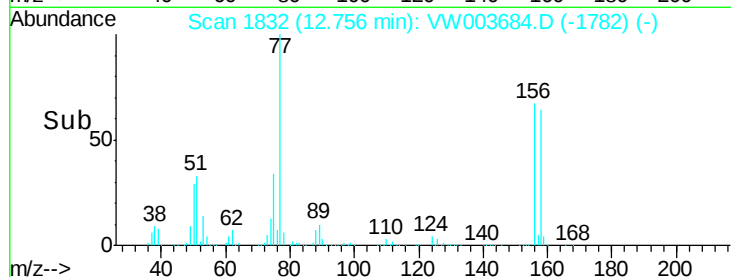
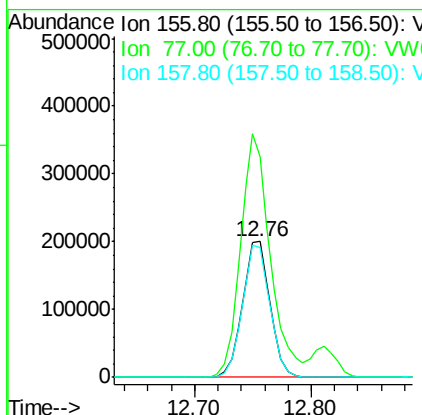
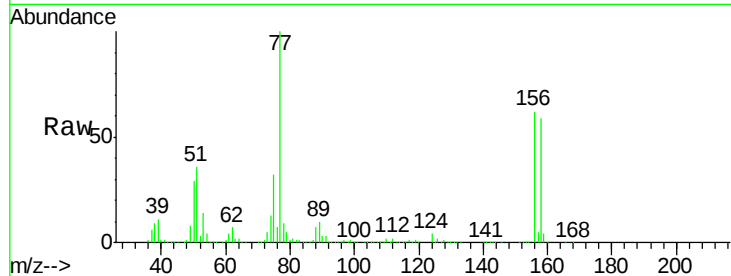
#77
Bromobenzene
Concen: 106.80 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.0	95.8	287.4
158	97.0	48.2	144.6

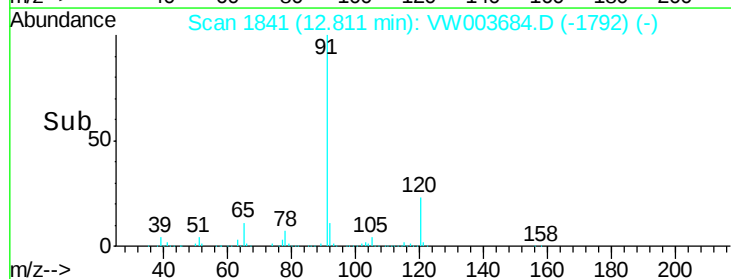
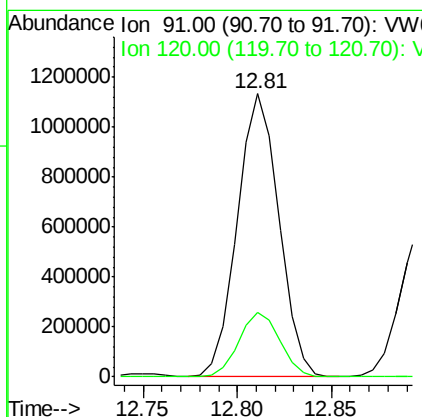
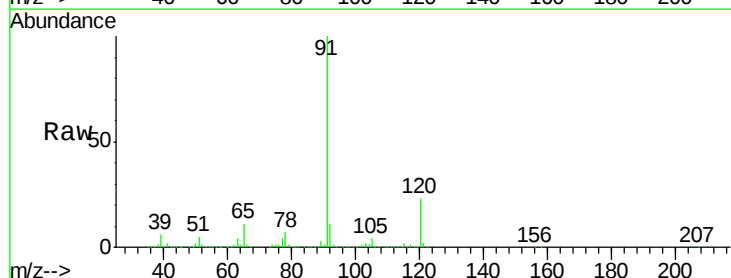
Manual Integrations
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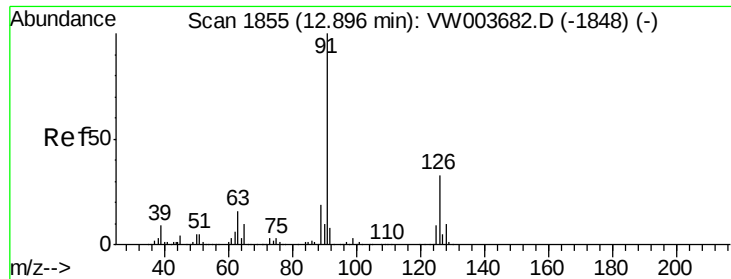
apatel
7/3/2018 10:16:52 AM



#78
n-propylbenzene
Concen: 107.04 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.4	34.1





#79

2-Chlorotoluene

Concen: 106.30 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 973007

Ion Ratio Lower Upper

91 100

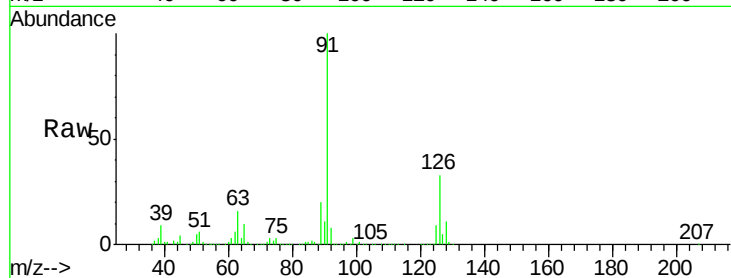
126 33.3 16.4 49.4

Manual Integrations

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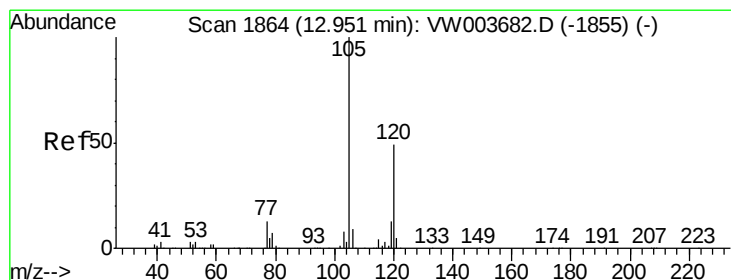
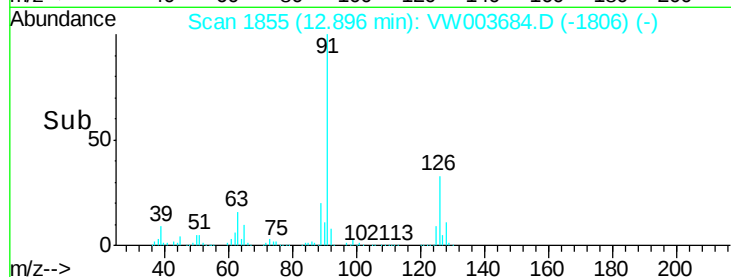
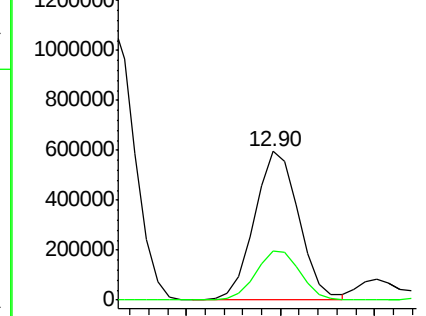
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 107.38 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003684.D

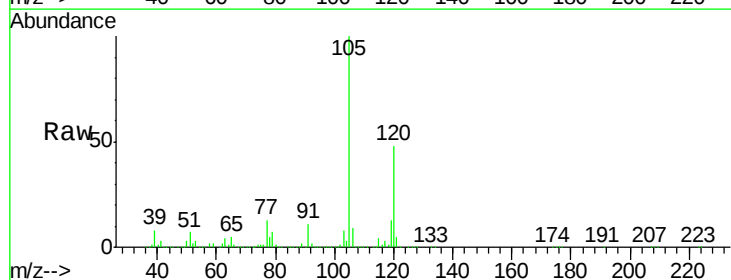
Acq: 02 Jul 2018 18:42

Tgt Ion:105 Resp: 1189917

Ion Ratio Lower Upper

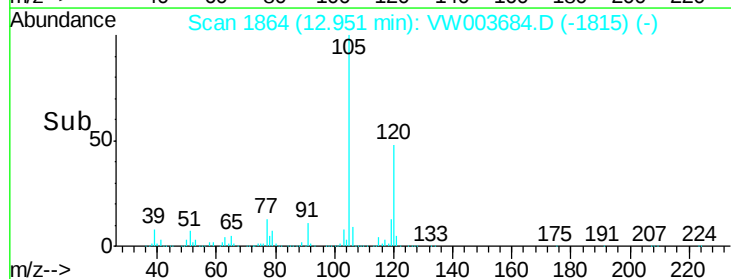
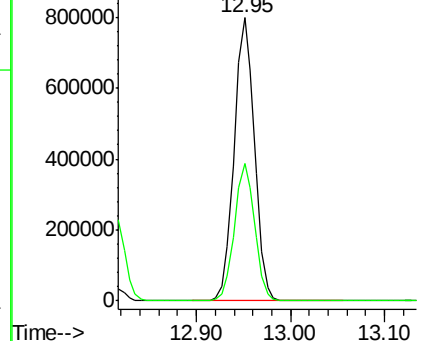
105 100

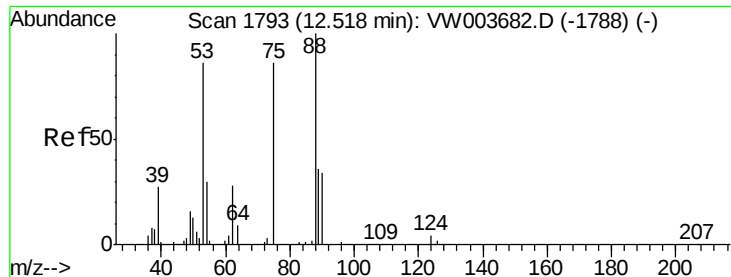
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





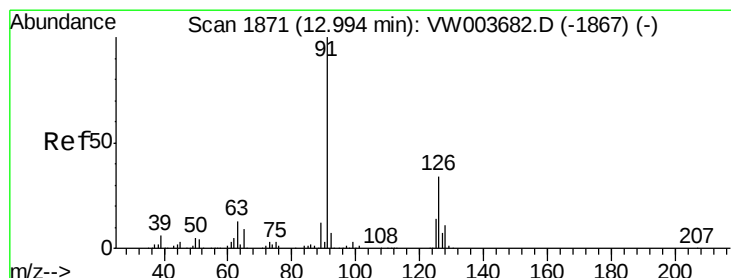
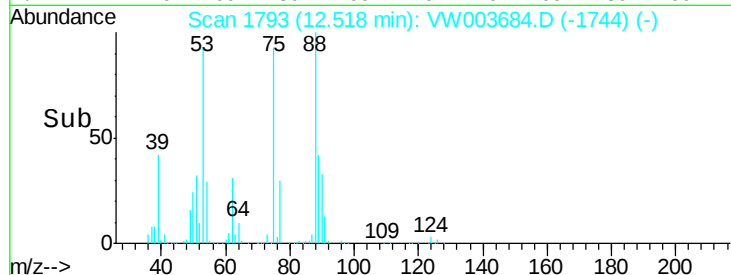
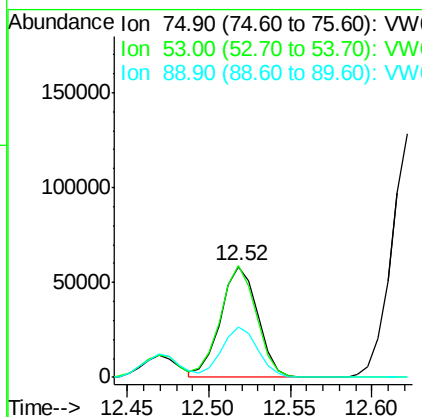
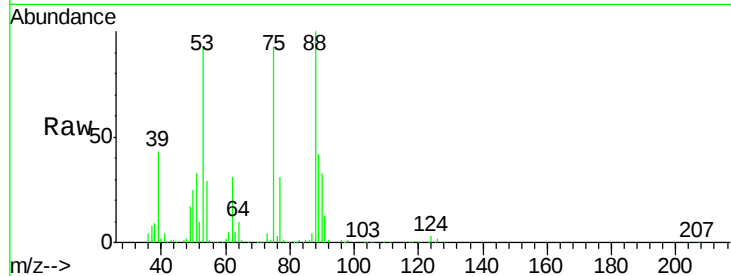
#81
trans-1,4-Dichloro-2-butene
Concen: 127.48 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	82.4	123.6
89	44.2	35.9	53.9

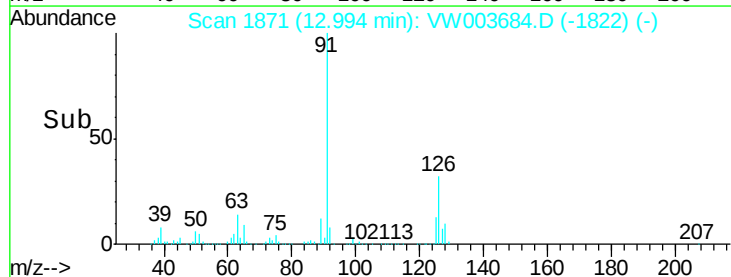
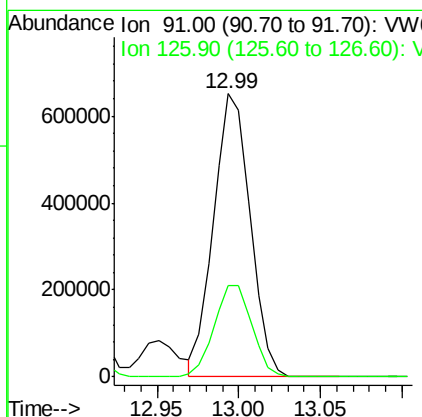
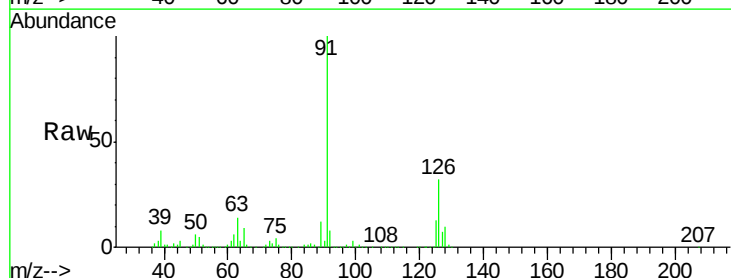
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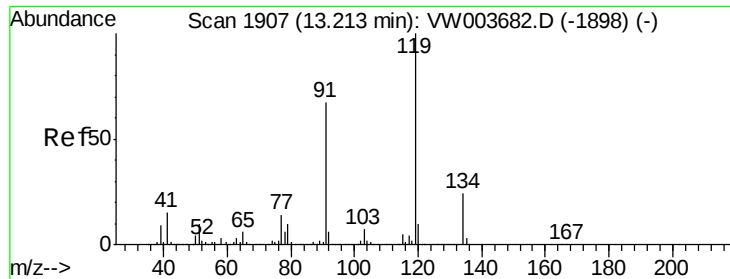
apatel
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#82
4-Chlorotoluene
Concen: 104.85 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.0	50.9





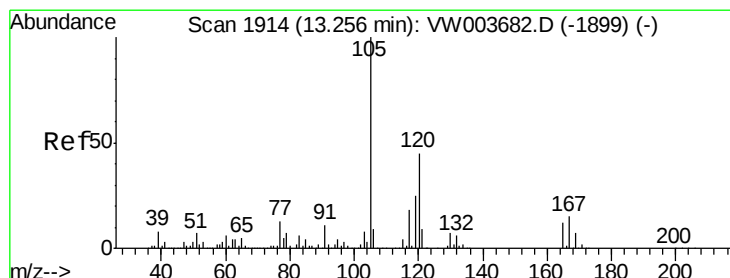
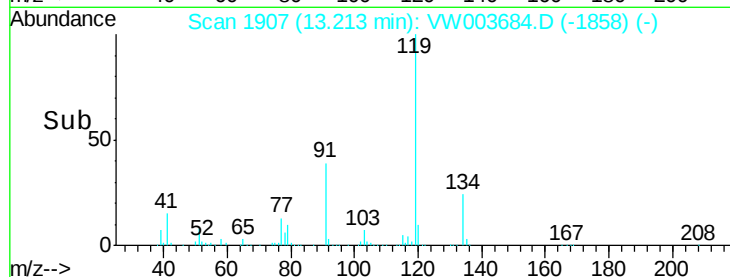
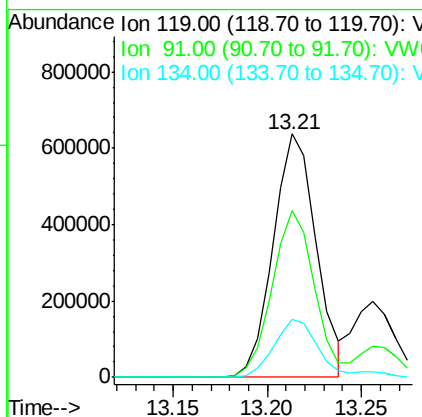
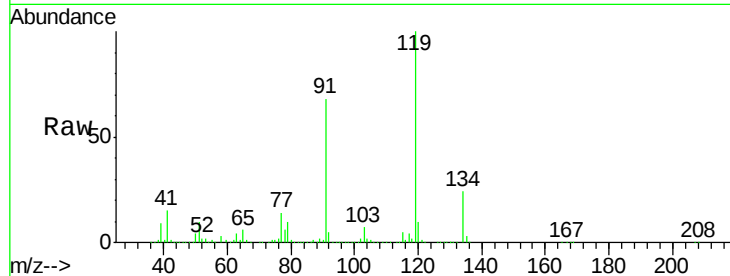
#83
 tert-Butylbenzene
 Concen: 106.90 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion:119 Resp: 1008483
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.8 101.3
 134 25.8 13.1 39.1

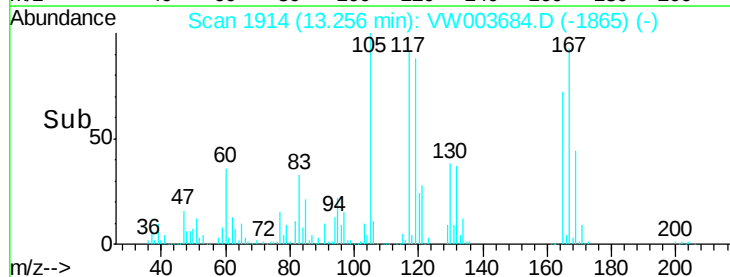
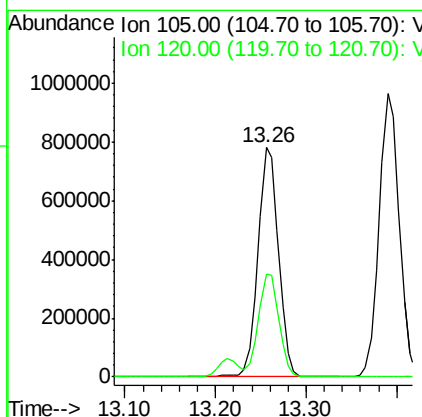
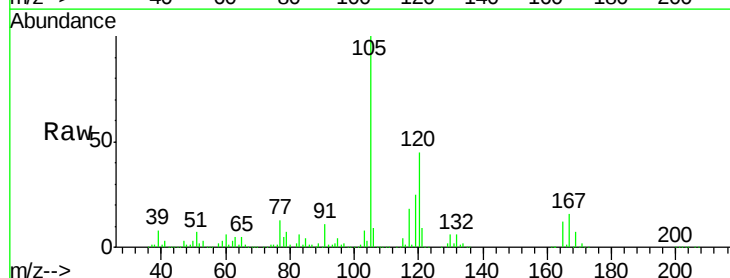
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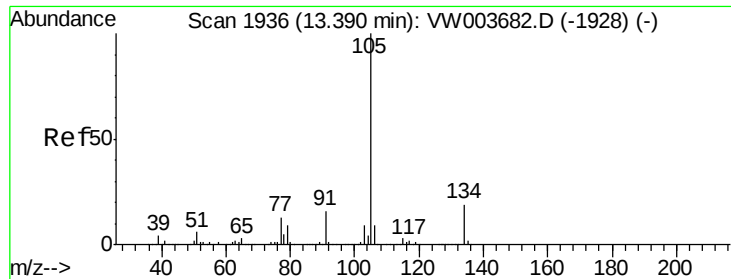
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 106.43 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion:105 Resp: 1215930
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3





#85

sec-Butylbenzene

Concen: 105.30 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1477828

Ion Ratio Lower Upper

105 100

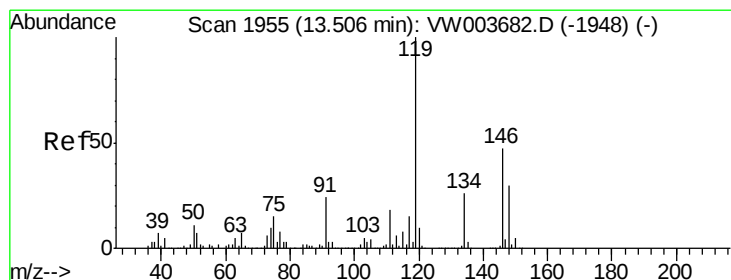
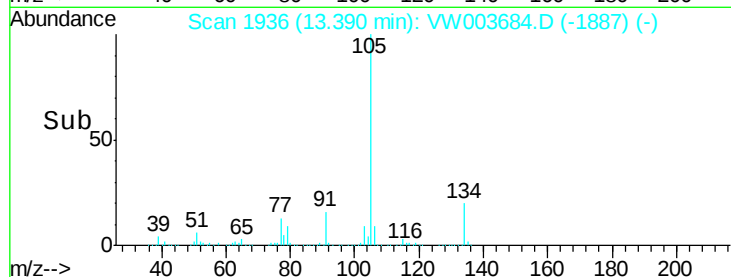
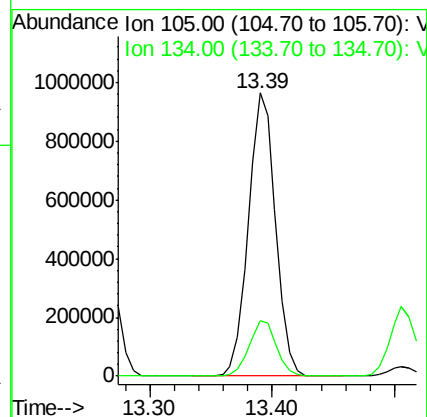
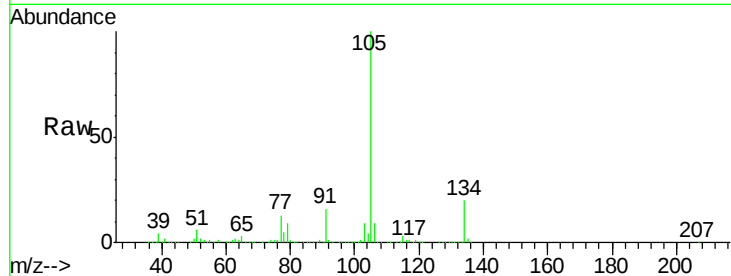
134 19.7 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 106.79 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003684.D

Acq: 02 Jul 2018 18:42

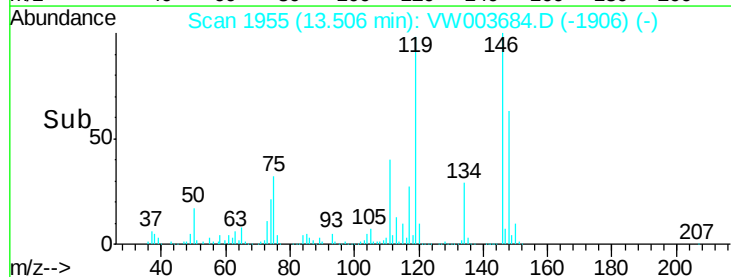
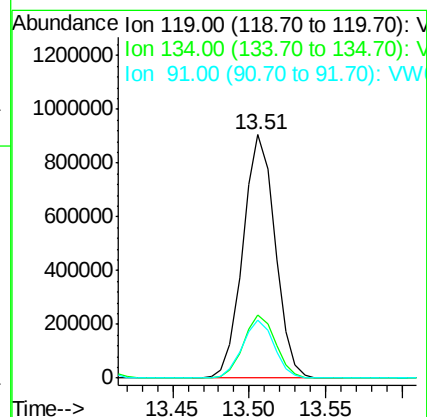
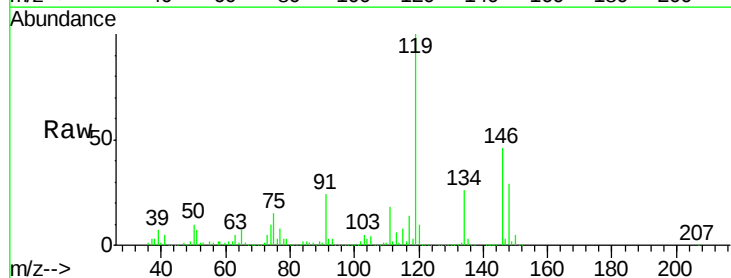
Tgt Ion:119 Resp: 1318893

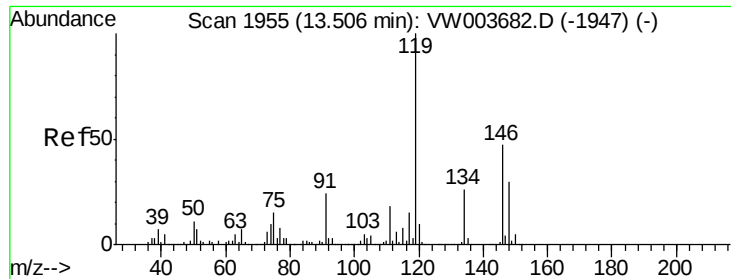
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.5 11.8 35.4





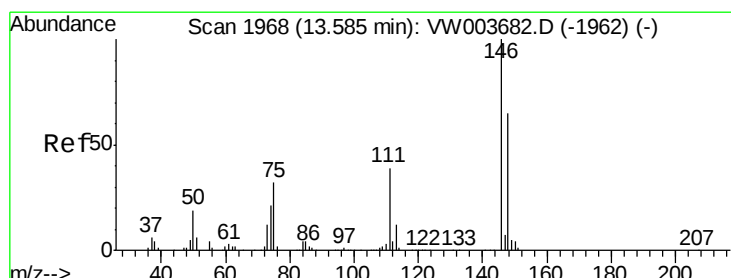
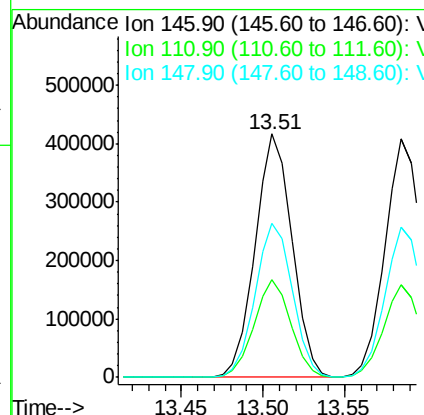
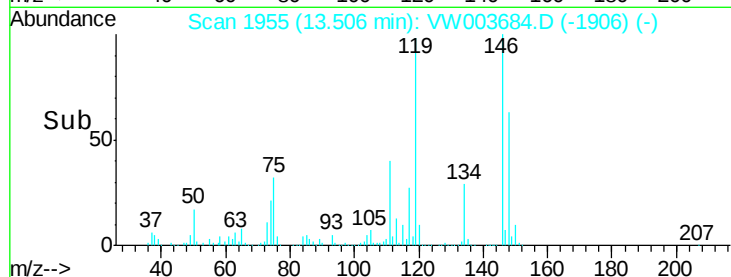
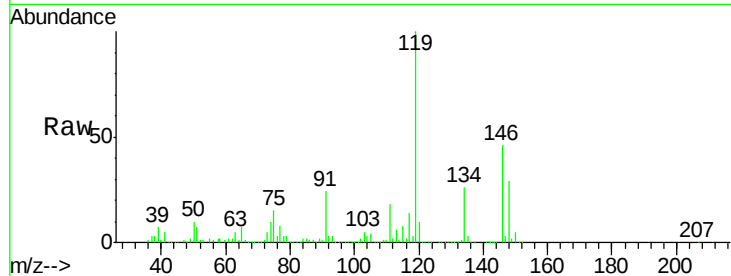
#87
 1,3-Dichlorobenzene
 Concen: 103.64 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	63.8	31.9	95.9

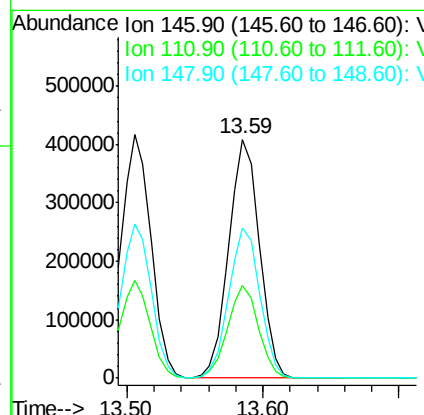
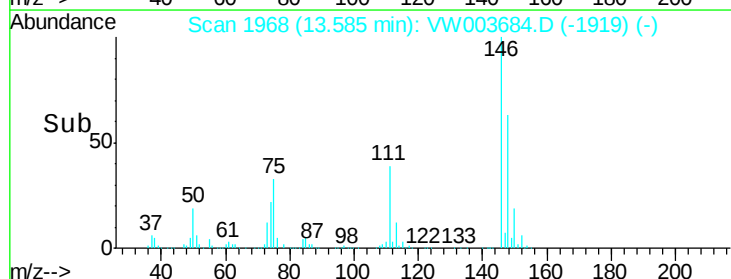
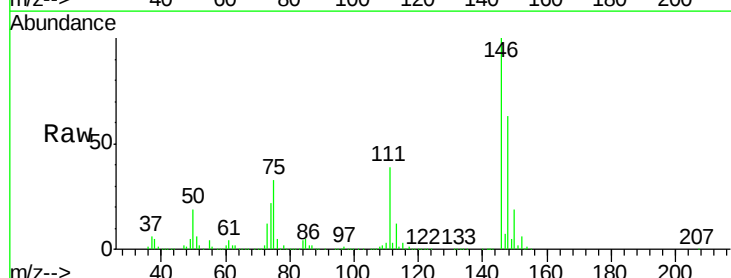
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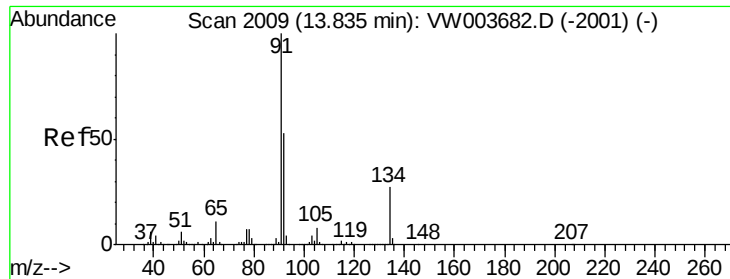
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 102.27 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.7	32.3	96.9





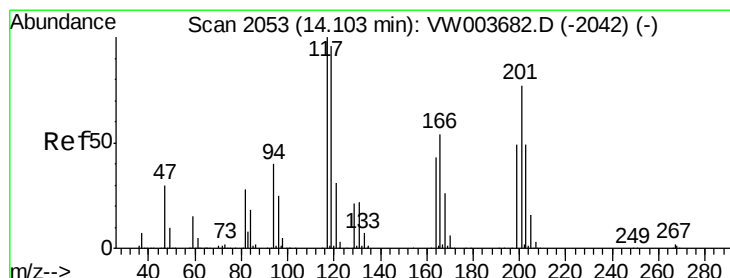
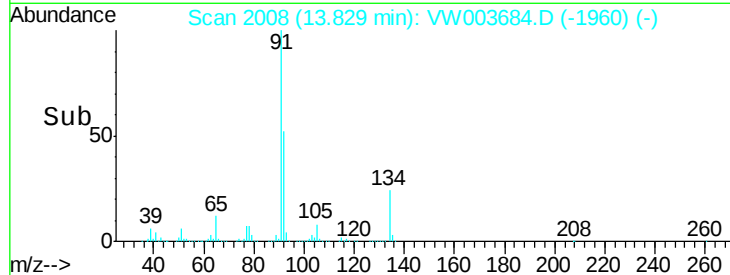
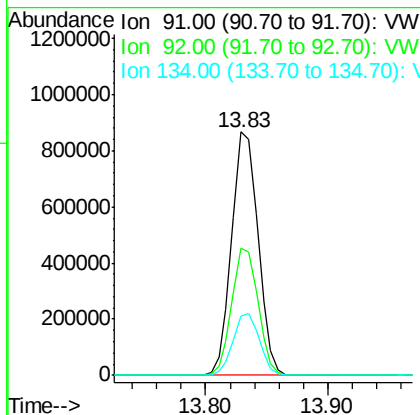
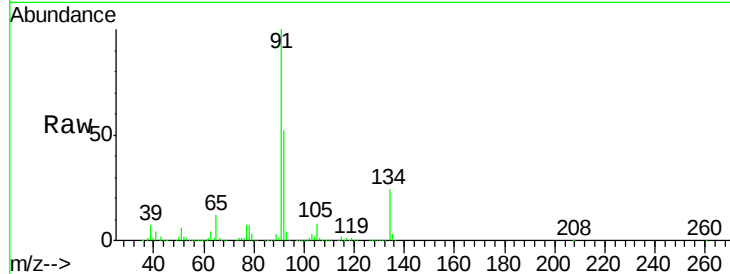
#89
n-Butylbenzene
Concen: 107.07 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion: 91 Resp: 1291781
Ion Ratio Lower Upper
91 100
92 52.2 26.4 79.2
134 25.2 12.7 38.1

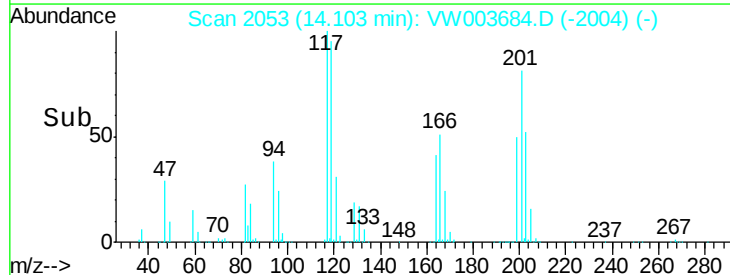
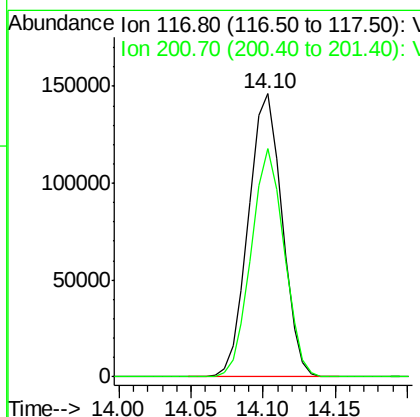
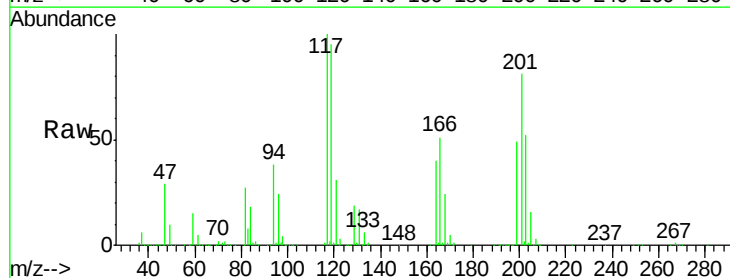
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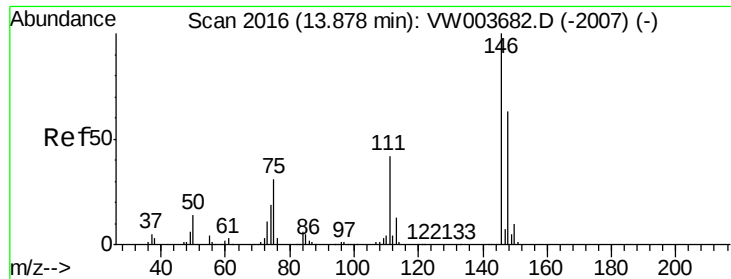
apatel
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#90
Hexachloroethane
Concen: 105.72 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion: 117 Resp: 236556
Ion Ratio Lower Upper
117 100
201 79.1 39.1 117.2





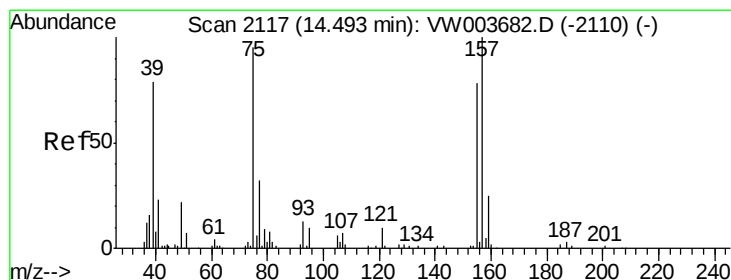
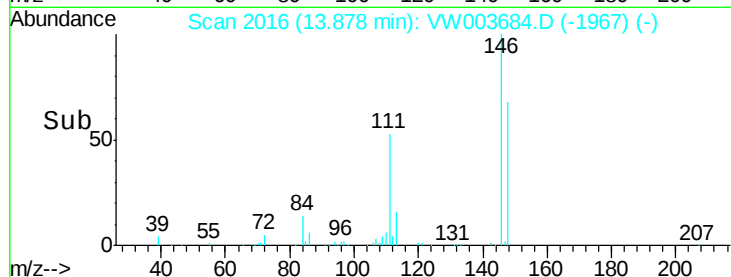
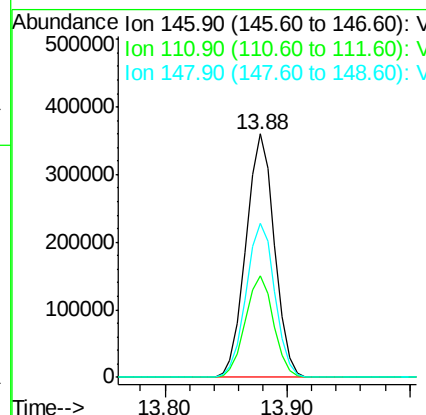
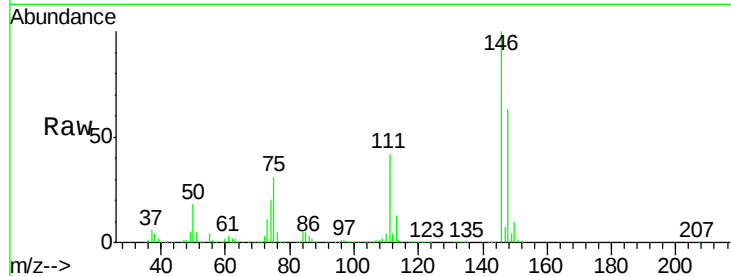
#91
 1,2-Dichlorobenzene
 Concen: 104.94 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	581847		
111	41.3	20.6	61.9	
148	63.8	31.9	95.7	

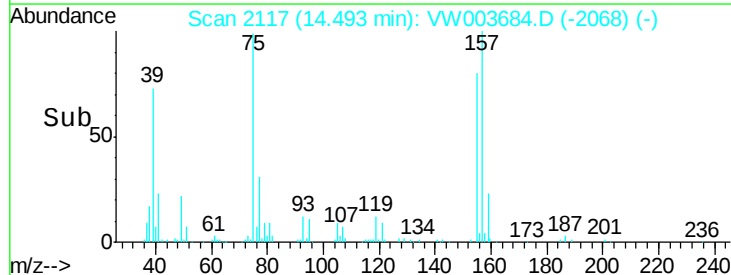
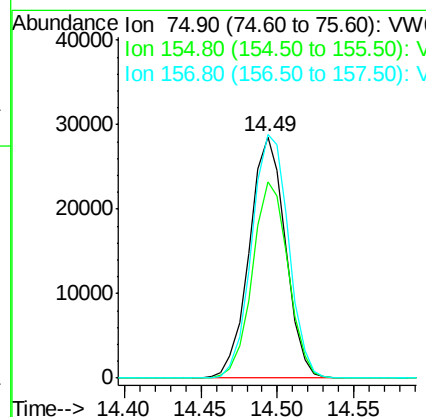
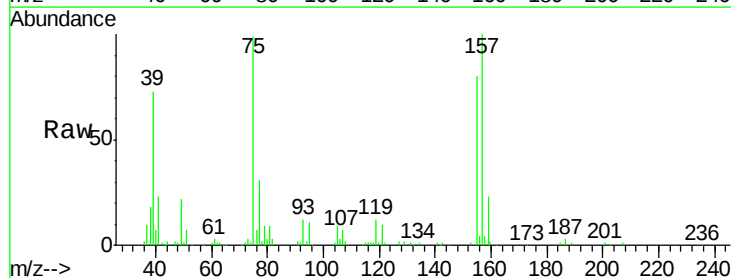
Manual Integrations
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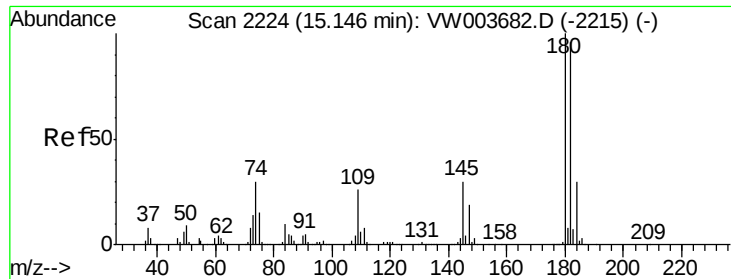
apatel
 7/3/2018 10:16:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 121.95 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46795		
155	80.7	40.2	120.6	
157	103.0	50.7	152.3	





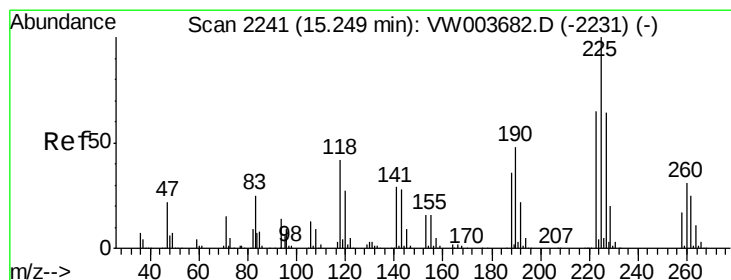
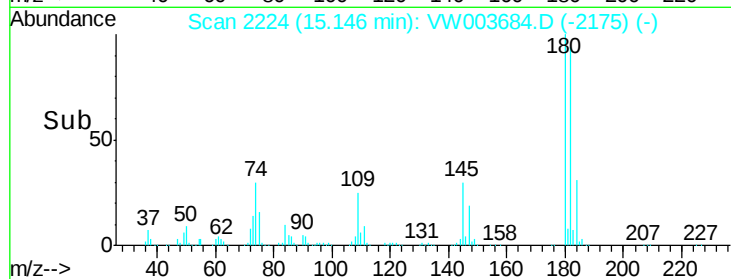
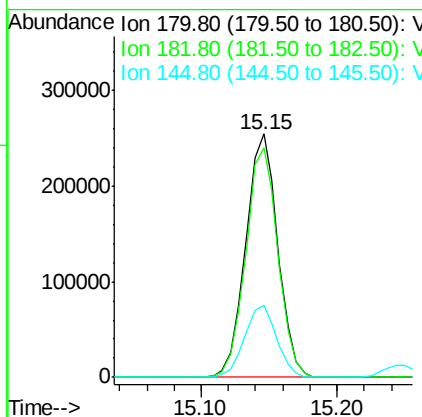
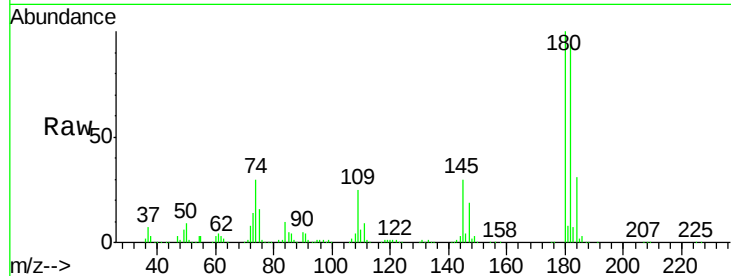
#93
 1,2,4-Trichlorobenzene
 Concen: 107.71 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.8
145	29.8	14.9	44.5

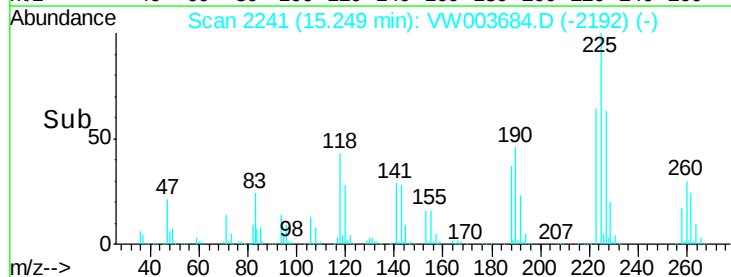
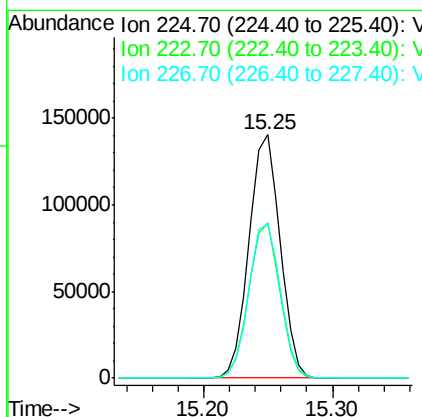
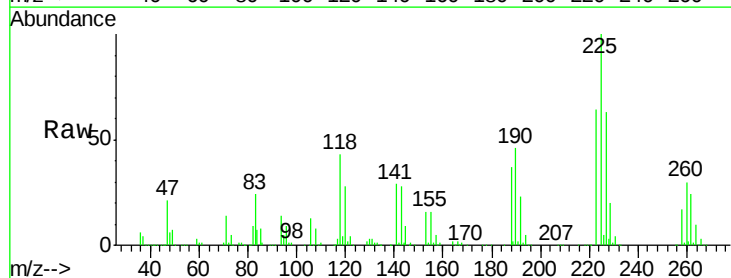
Manual Integrations
 APPROVED

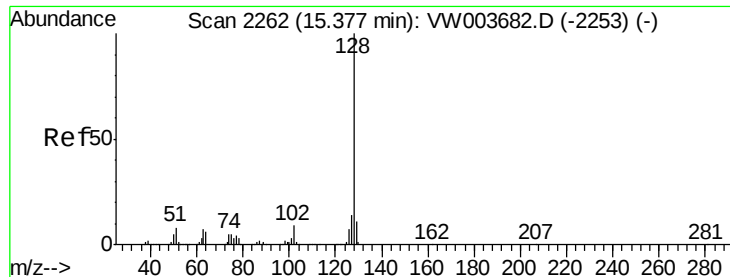
apatel
 7/3/2018 10:16:52 AM



#94
 Hexachlorobutadiene
 Concen: 100.74 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003684.D
 Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.0	96.2
227	64.4	31.9	95.7





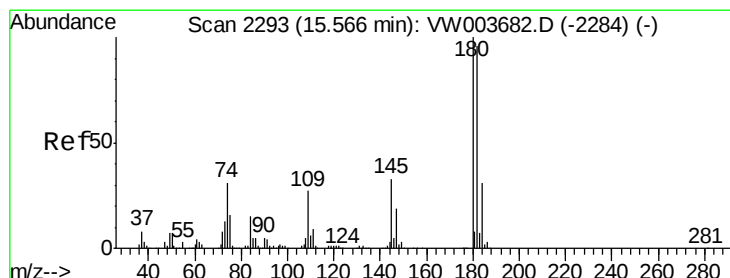
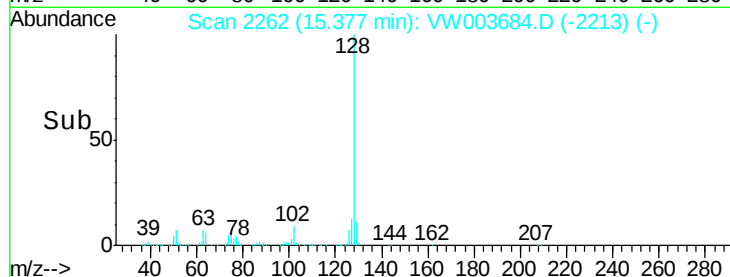
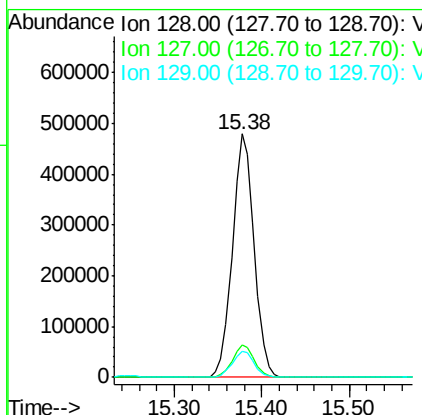
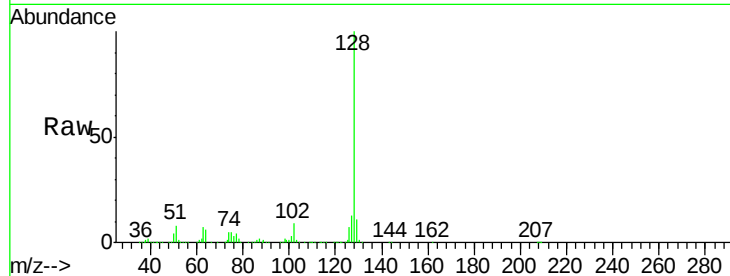
#95
Naphthalene
Concen: 123.29 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
7/3/2018 10:16:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 108.22 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003684.D
Acq: 02 Jul 2018 18:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	31.9	15.9	47.7

