

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003536.D
 Acq On : 25 Jun 2018 04:26
 Operator : SY/AP
 Sample : J3669-31
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-33-35-180620

Manual Integrations
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 6/26/2018 4:40:30 PM

Quant Time: Jun 25 06:37:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	128420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	220913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	71691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94002	67.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.16%	
35) Dibromofluoromethane	7.88	113	80041	58.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.62%	
50) Toluene-d8	10.33	98	267725	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.63	95	86017	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.36	62	221122	154.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	14349	12.06	ug/l #	76
12) 1,1-Dichloroethene	4.03	96	2138580	1839.62	ug/l	97
16) Acetone	4.15	43	60032	205.78	ug/l	97
20) Methylene Chloride	4.92	84	25151	17.94	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	29219	23.09	ug/l	98
24) 1,1-Dichloroethane	6.21	63	30411	12.64	ug/l	99
27) cis-1,2-Dichloroethene	7.15	96	36926992m	26569.00	ug/l	
30) Chloroform	7.68	83	45540	18.58	ug/l	98
40) Benzene	8.33	78	30443	5.18	ug/l	97
42) 1,2-Dichloroethane	8.40	62	21848	11.86	ug/l	94
44) Trichloroethene	9.09	130	35479550m	22768.76	ug/l	
51) 4-Methyl-2-Pentanone	10.22	43	54323	60.75	ug/l	99
52) Toluene	10.39	92	100261	26.59	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43826	40.57	ug/l	97
64) Tetrachloroethene	10.87	164	32100	25.83	ug/l	98
65) Chlorobenzene	11.66	112	40745	10.53	ug/l	97
67) Ethyl Benzene	11.74	91	33160	4.84	ug/l	99
68) m/p-Xylenes	11.84	106	23185	8.89	ug/l	97
70) Styrene	12.19	104	6355	1.58	ug/l #	82
80) 1,3,5-Trimethylbenzene	12.95	105	10316	2.46	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	28157	6.54	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	21811	9.14	ug/l	96
88) 1,4-Dichlorobenzene	13.59	146	165019	69.58	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	789625	377.86	ug/l	99
95) Naphthalene	15.38	128	18435	7.41	ug/l	97

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

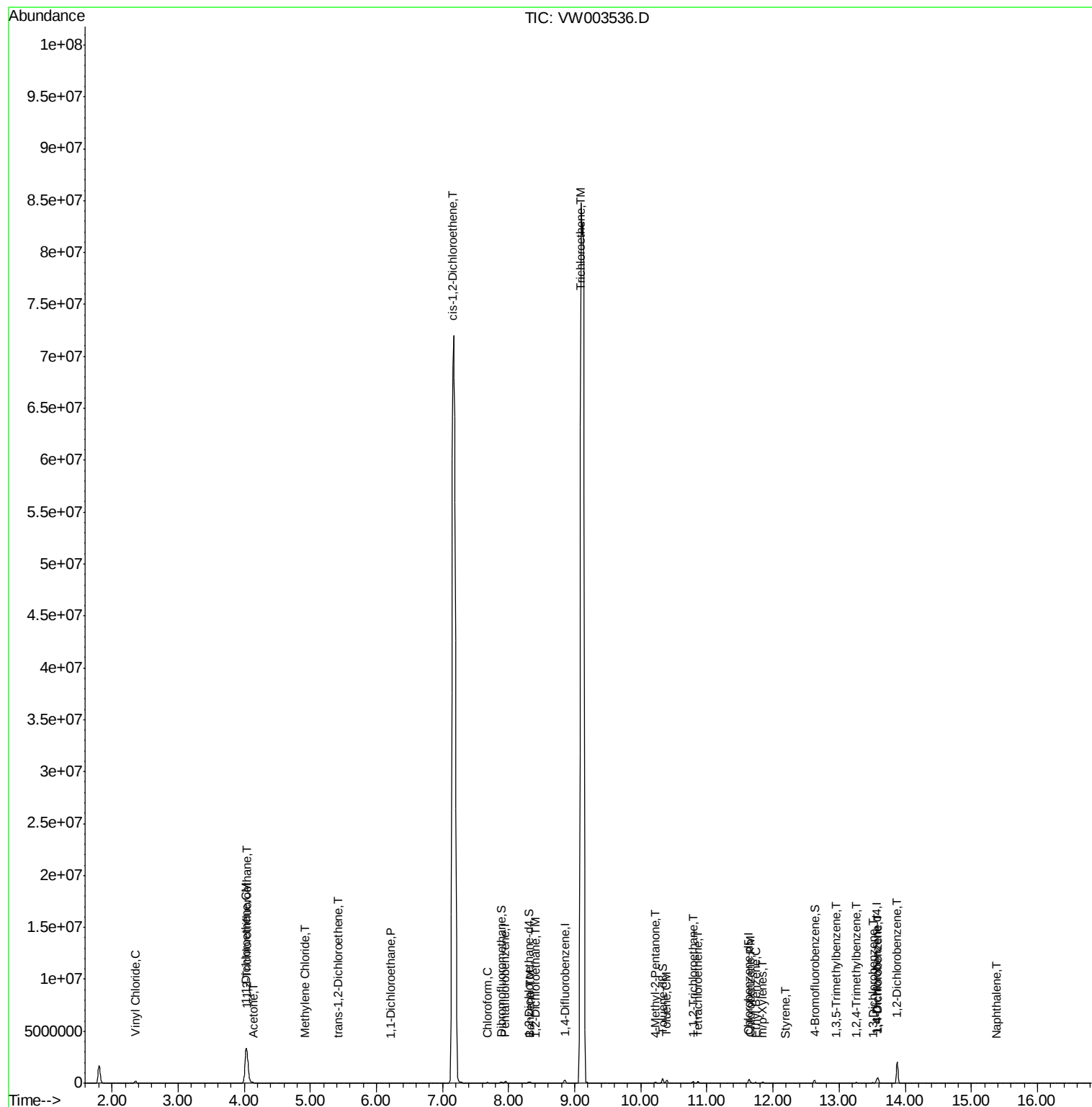
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003536.D
Acq On : 25 Jun 2018 04:26
Operator : SY/AP
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Misc : 6.36G/5ML/MSVOA W/SOIL
ALS Vial : 41 Sample Multiplier: 1

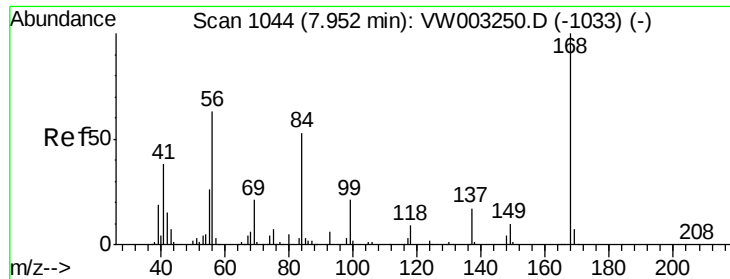
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

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Quant Time: Jun 25 06:37:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:168 Resp: 128420

Ion Ratio Lower Upper

168 100

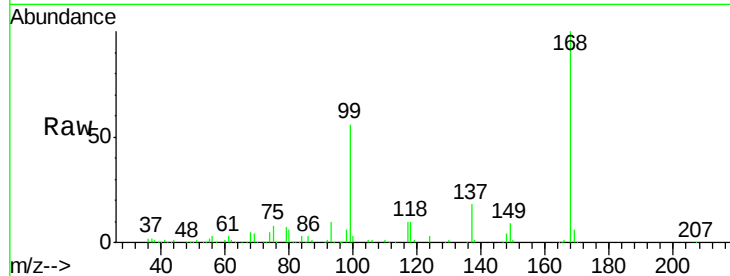
99 56.5 45.5 68.3

Manual Integrations

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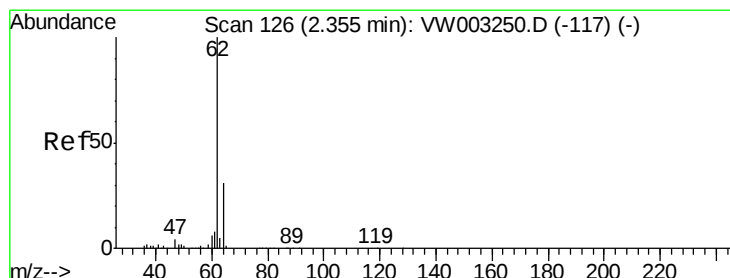
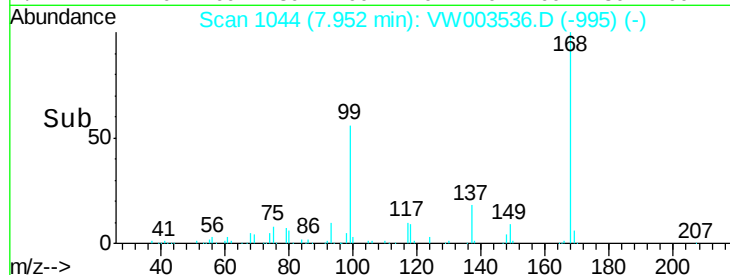
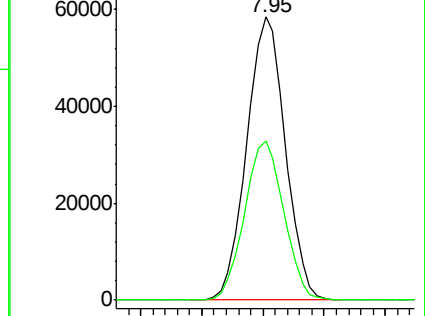
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 154.63 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003536.D

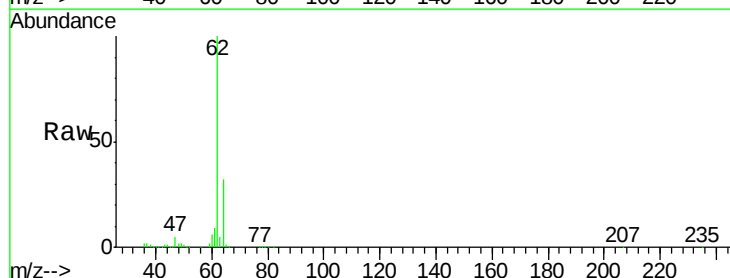
Acq: 25 Jun 2018 04:26

Tgt Ion: 62 Resp: 221122

Ion Ratio Lower Upper

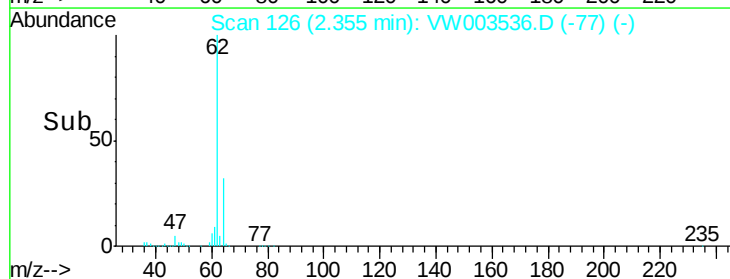
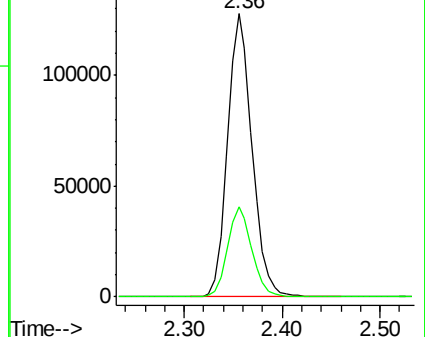
62 100

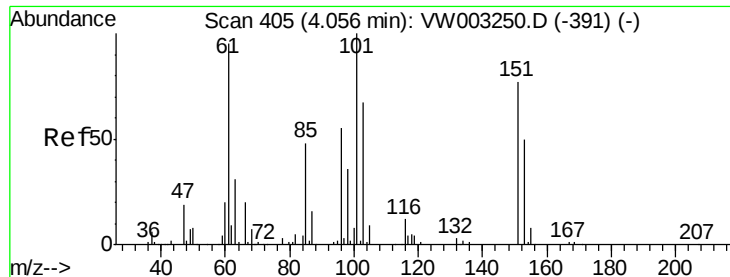
64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.06 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

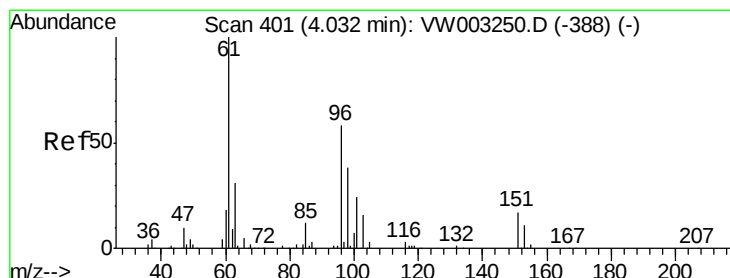
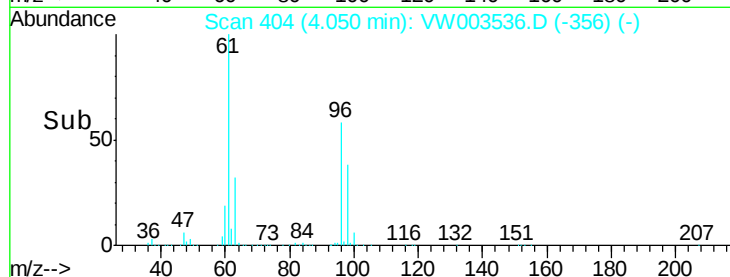
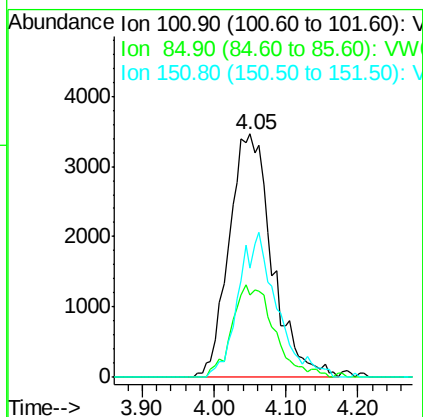
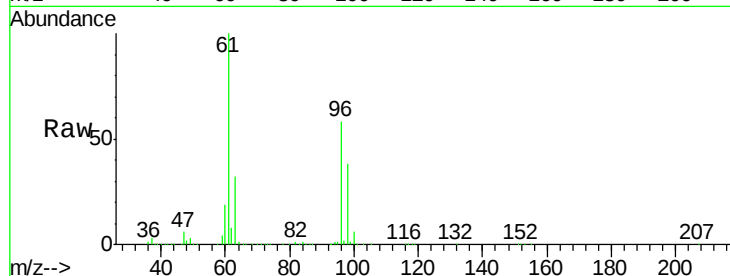
ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:	101	Resp:	14349
Ion Ratio	Lower	Upper	
101	100		
85	36.9	37.0	55.6#
151	53.2	63.3	94.9#

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#12

1,1-Dichloroethene

Concen: 1839.62 ug/l

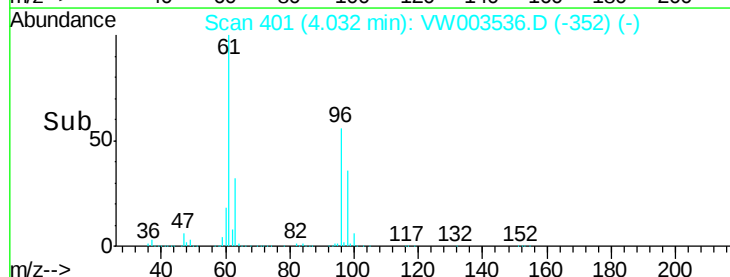
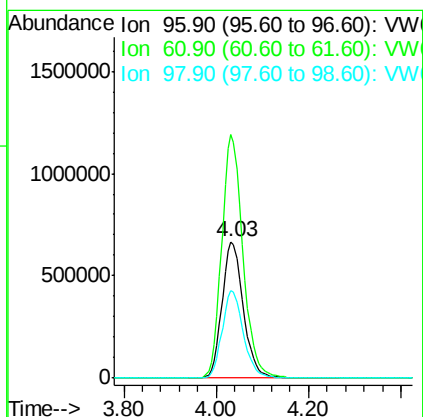
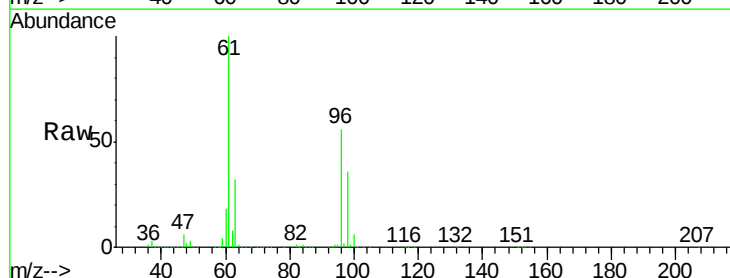
RT: 4.03 min Scan# 401

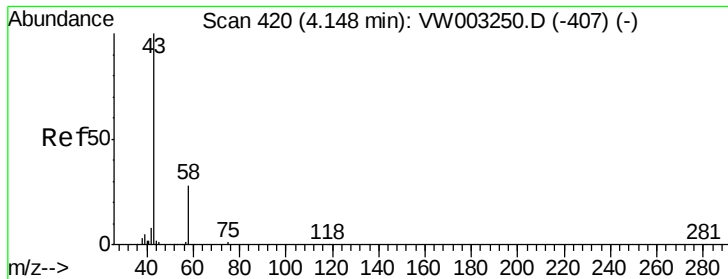
Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion:	96	Resp:	2138580
Ion Ratio	Lower	Upper	
96	100		
61	178.5	139.0	208.4
98	63.8	53.3	79.9





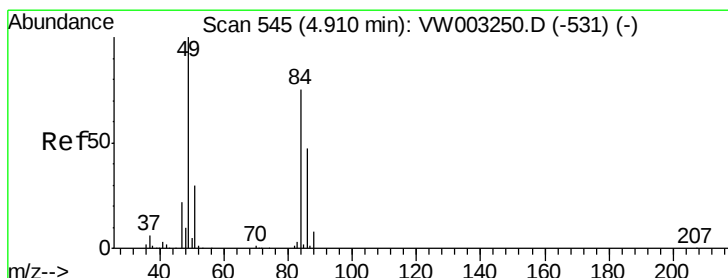
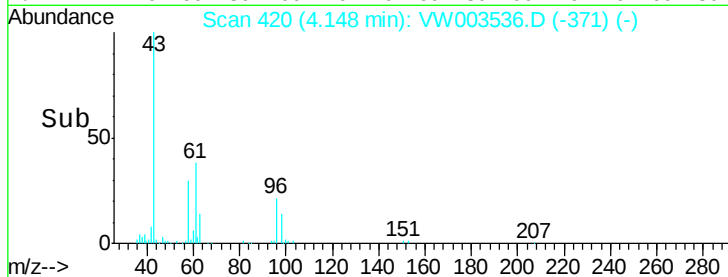
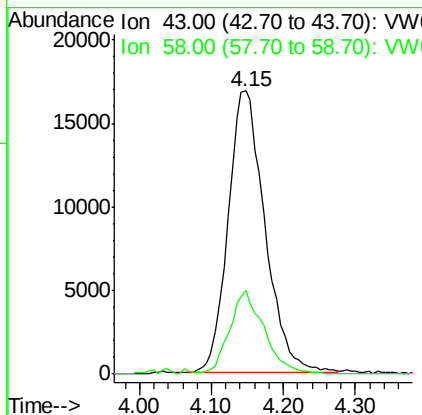
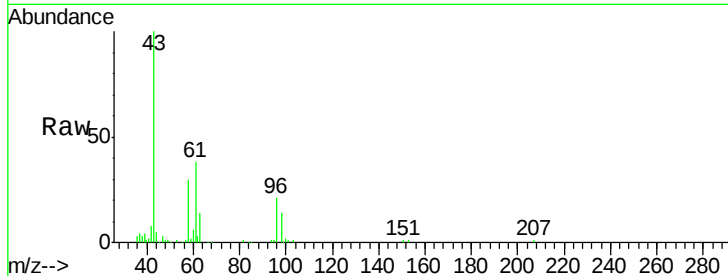
#16
Acetone
Concen: 205.78 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

Tot Ion: 43 Resp: 60032
Ion Ratio Lower Upper
43 100
58 29.9 22.6 34.0

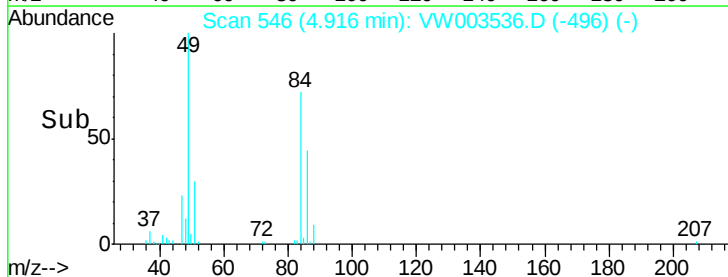
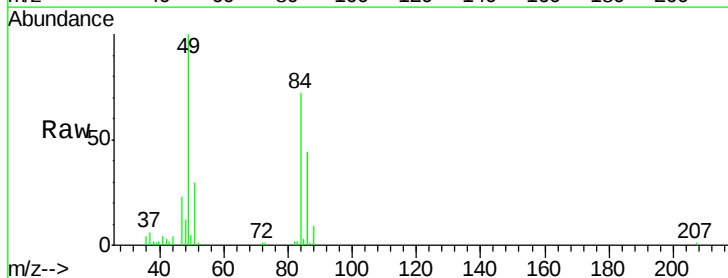
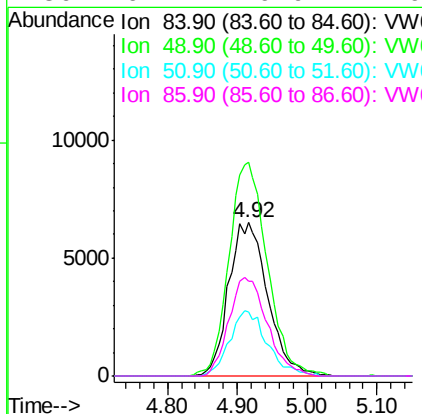
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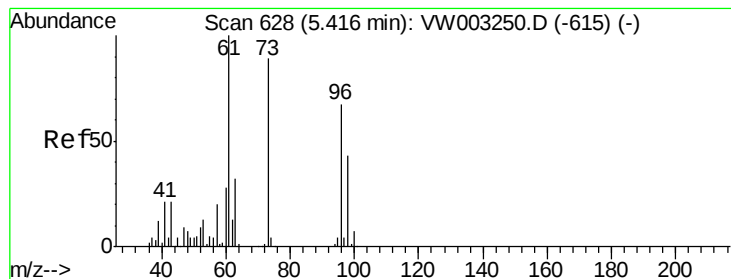
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#20
Methylene Chloride
Concen: 17.94 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion: 84 Resp: 25151
Ion Ratio Lower Upper
84 100
49 139.3 106.3 159.5
51 41.8 32.0 48.0
86 61.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 23.09 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

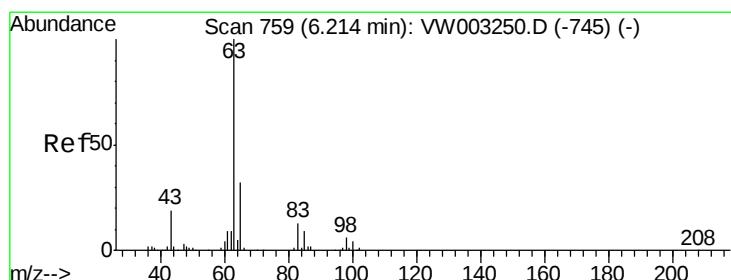
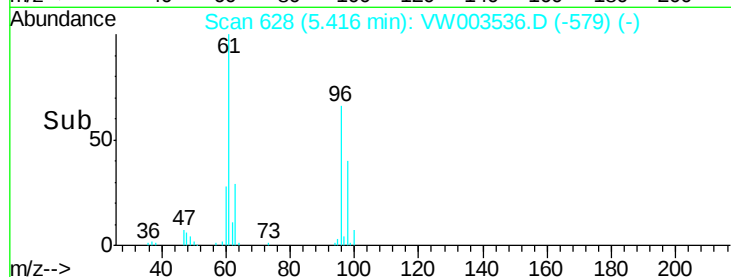
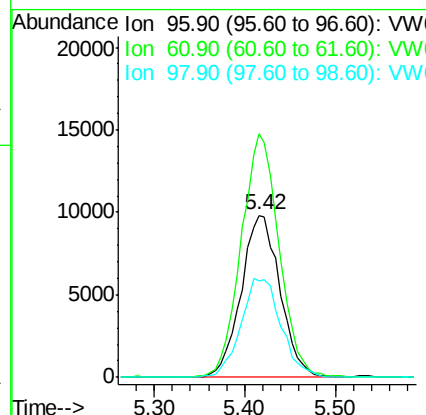
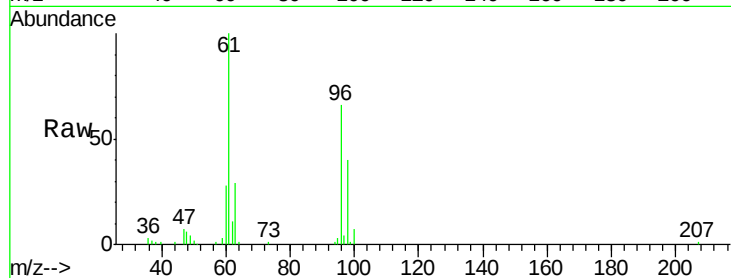
ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:	96	Resp:	29219
Ion	Ratio	Lower	Upper
96	100		
61	149.9	118.7	178.1
98	59.7	51.0	76.6

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#24

1,1-Dichloroethane

Concen: 12.64 ug/l

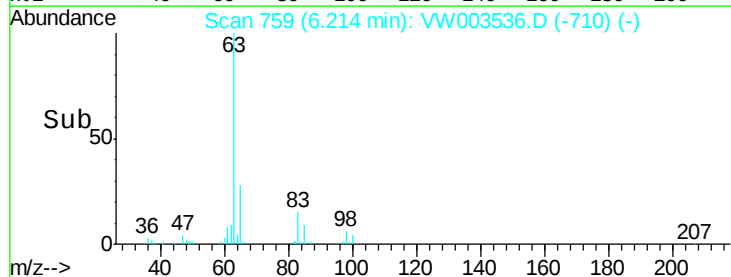
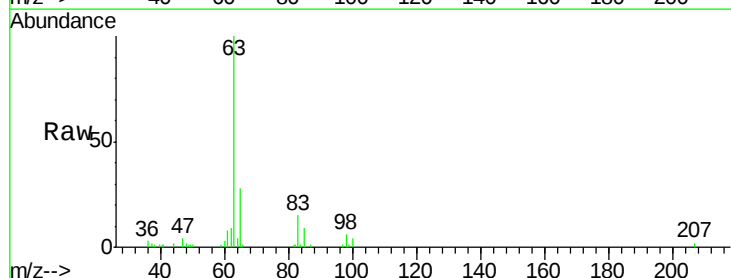
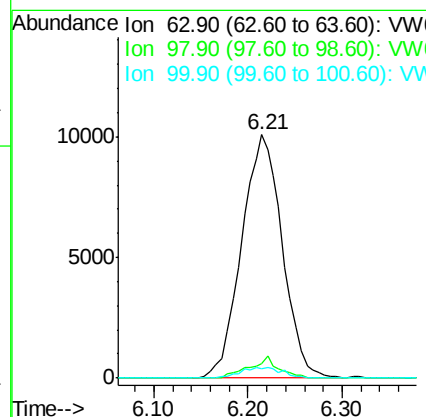
RT: 6.21 min Scan# 759

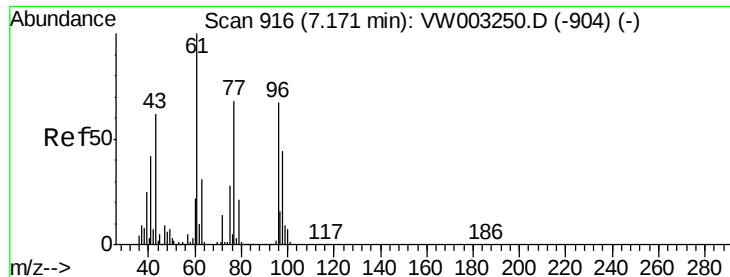
Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion:	63	Resp:	30411
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.9	2.1	6.5





#27
 cis-1,2-Dichloroethene
 Concen: 26569.00 ug/l m
 RT: 7.15 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

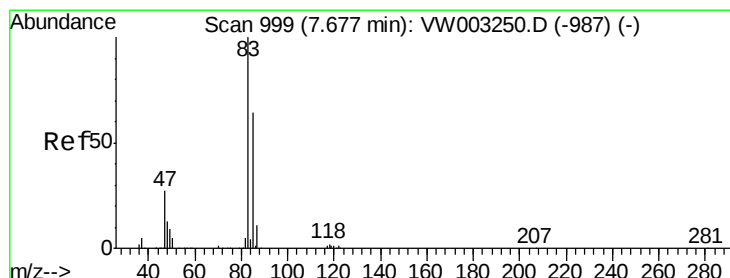
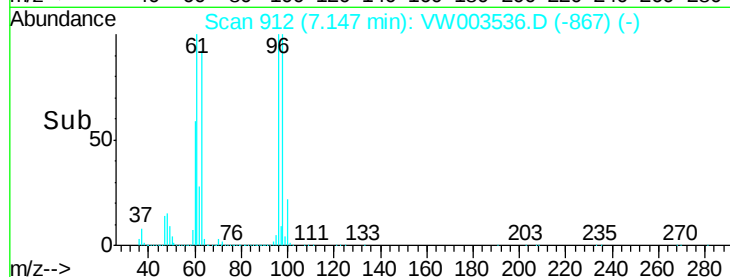
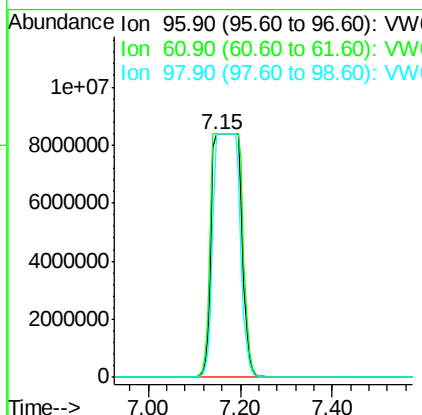
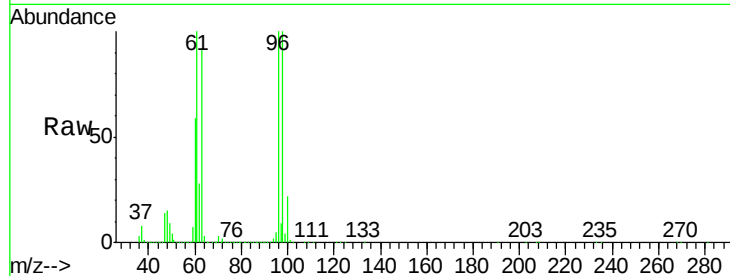
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-33-35-180620

Tot Ion: 96 Resp:36926992

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	298.8
98	0.0	0.0	130.4

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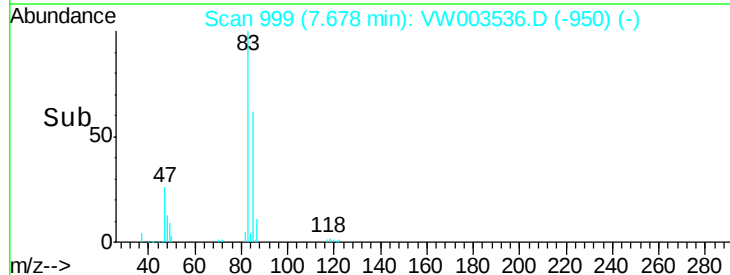
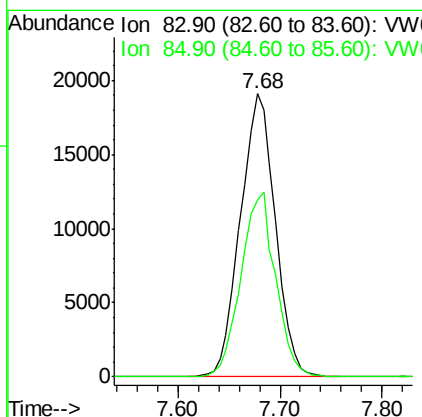
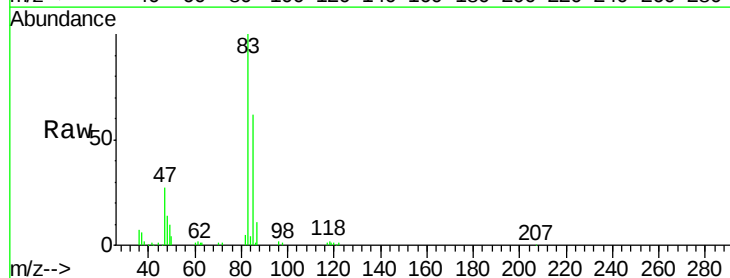
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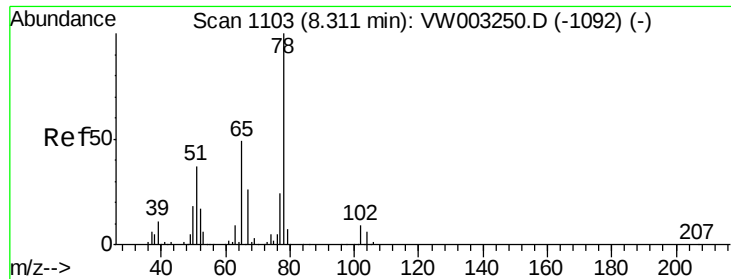


#30
 Chloroform
 Concen: 18.58 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

Tgt Ion: 83 Resp: 45540

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.3	76.9





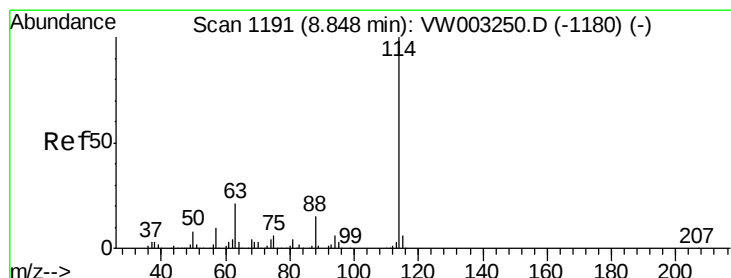
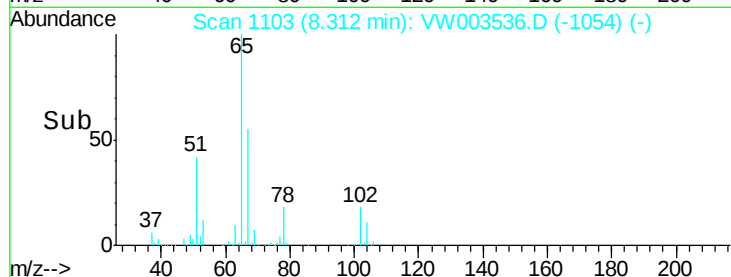
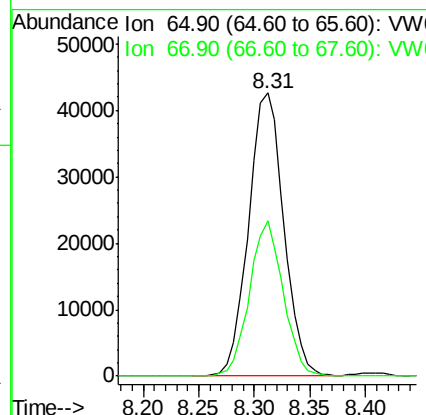
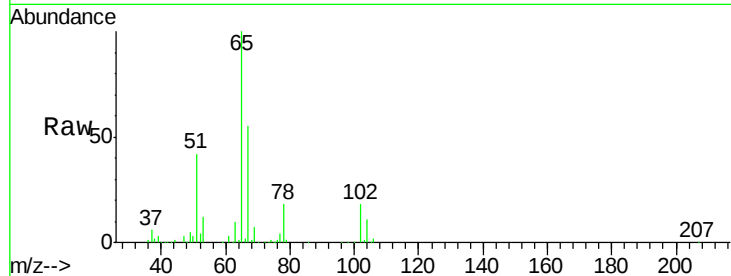
#33
 1,2-Dichloroethane-d4
 Concen: 67.58 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-33-35-180620

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.2

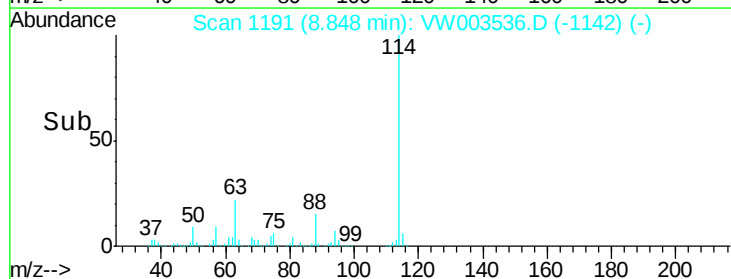
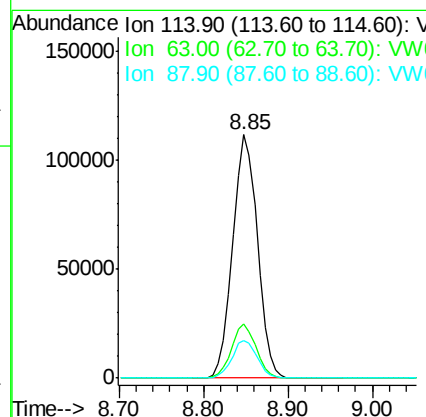
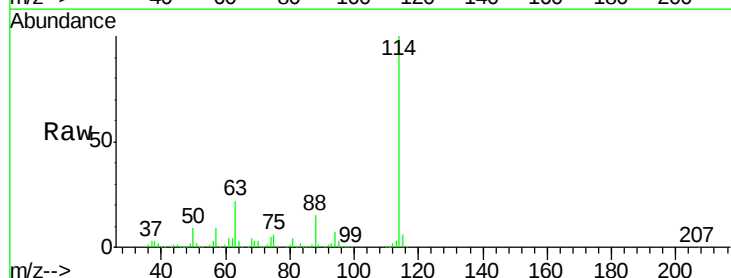
Manual Integrations
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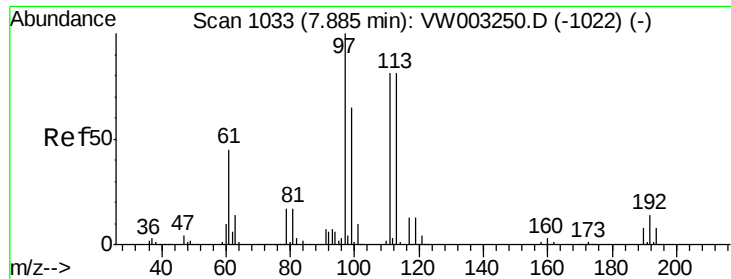
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.0
88	15.5	0.0	29.6





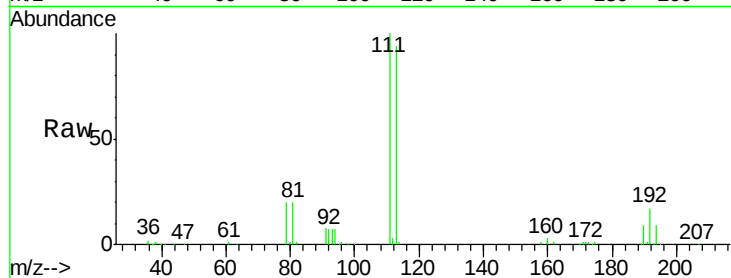
#35
Dibromofluoromethane
Concen: 58.31 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

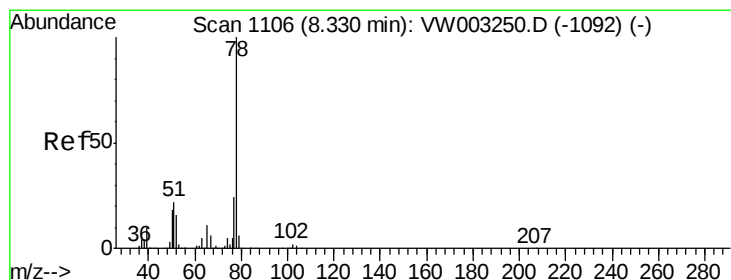
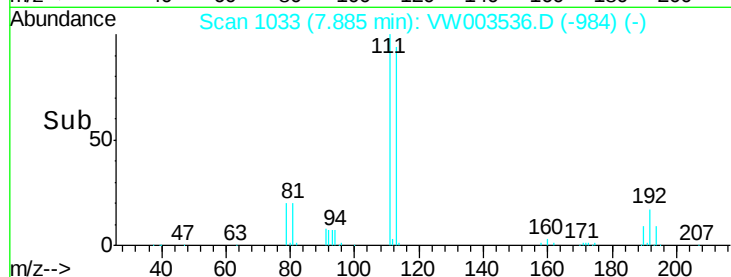
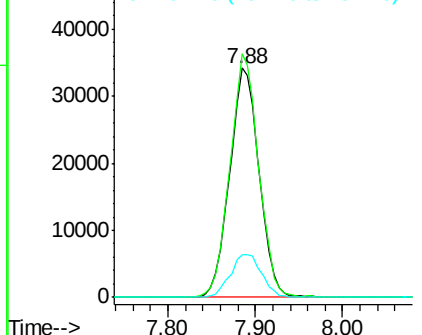
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	19.7	16.2	24.2

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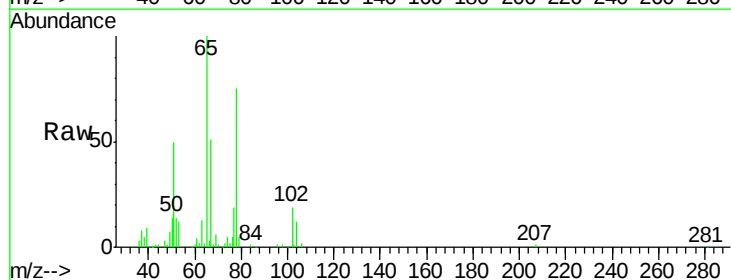


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

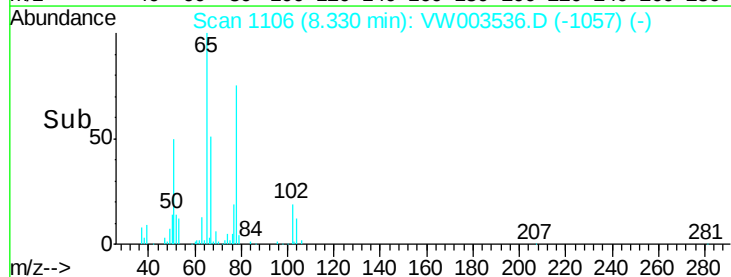
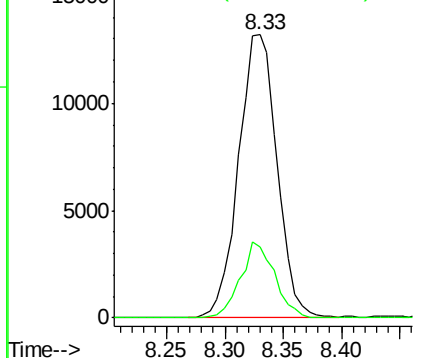


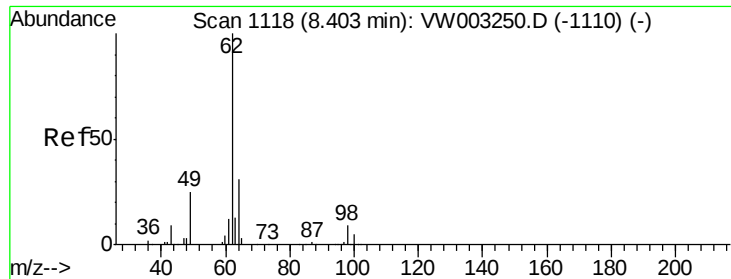
#40
Benzene
Concen: 5.18 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#42

1,2-Dichloroethane

Concen: 11.86 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-33-35-180620

Tot Ion: 62 Resp: 21848

Ion Ratio Lower Upper

62 100

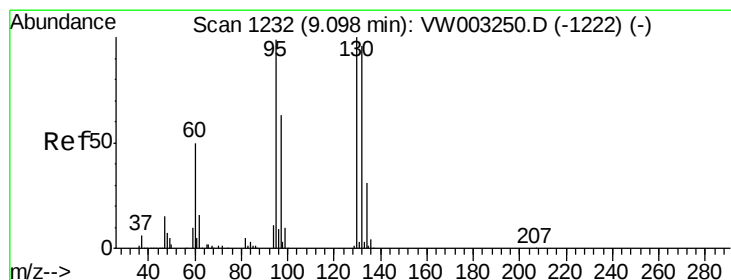
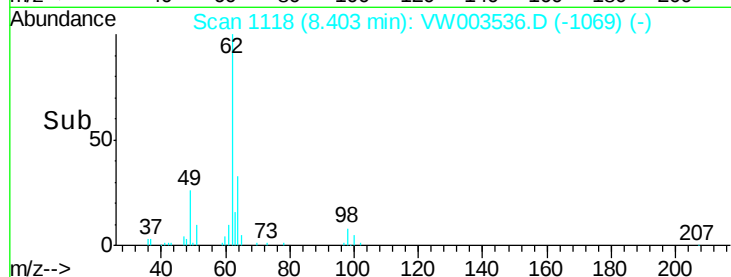
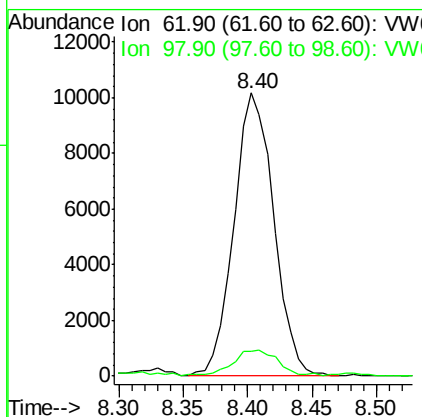
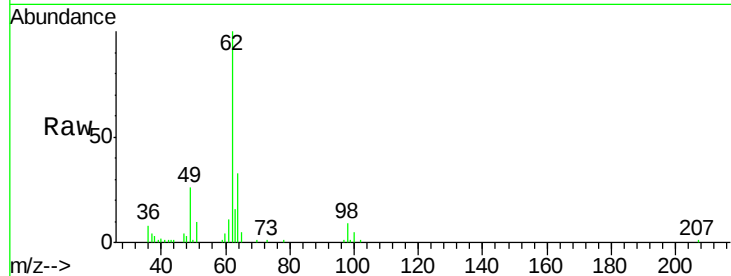
98 10.8 0.0 17.2

Manual Integrations

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#44

Trichloroethene

Concen: 22768.76 ug/l m

RT: 9.09 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VW003536.D

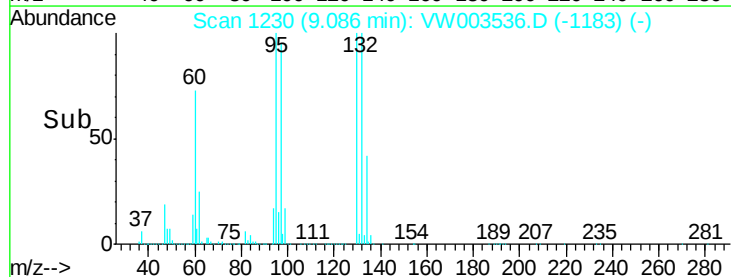
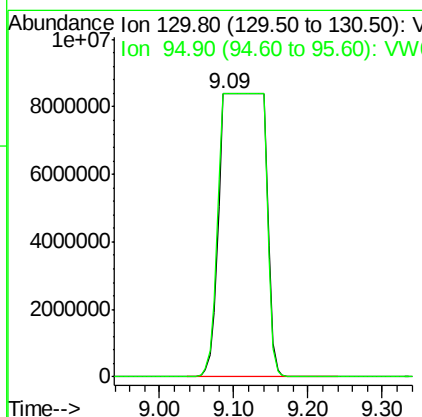
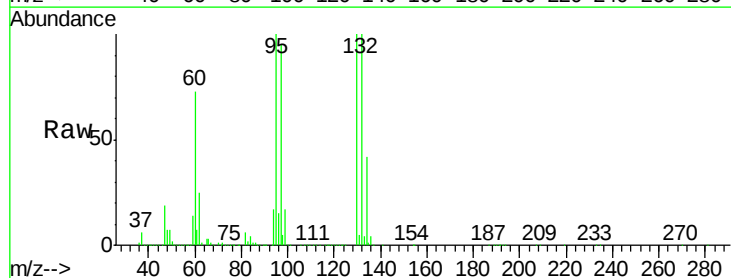
Acq: 25 Jun 2018 04:26

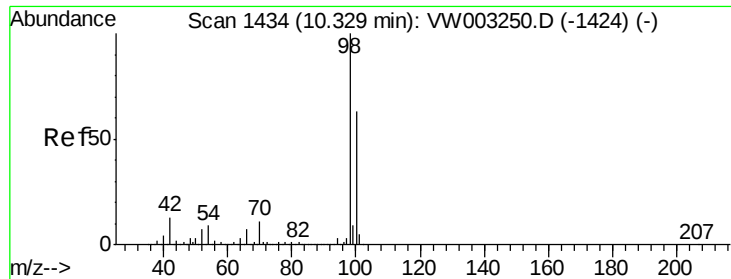
Tgt Ion:130 Resp:35479550

Ion Ratio Lower Upper

130 100

95 100.0 0.0 198.0





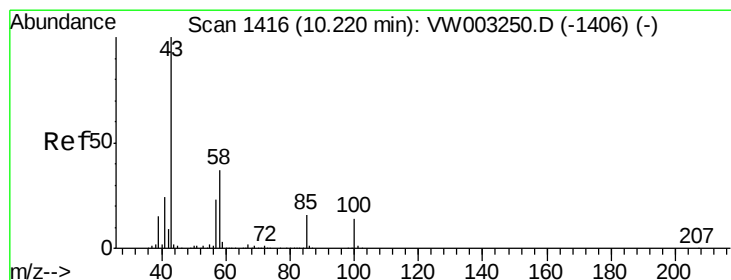
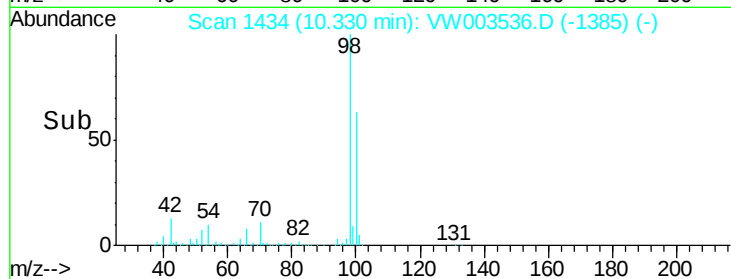
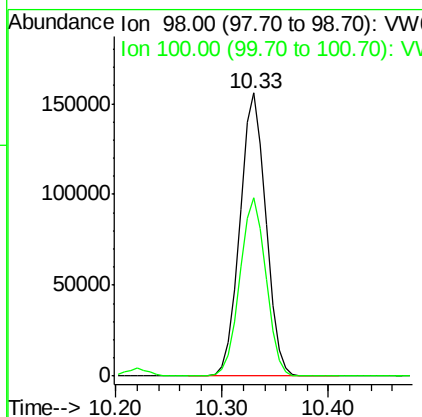
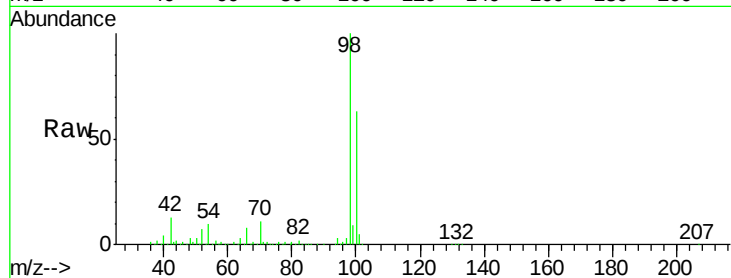
#50
Toluene-d8
Concen: 49.19 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

Tot Ion: 98 Resp: 267725
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2

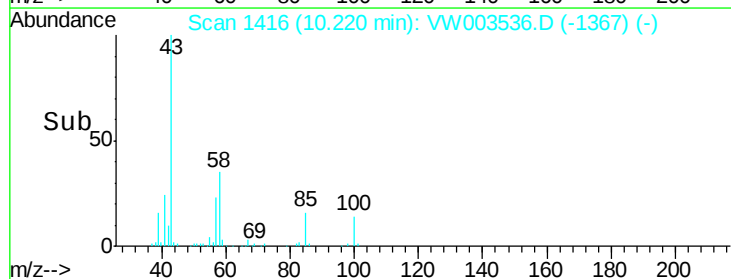
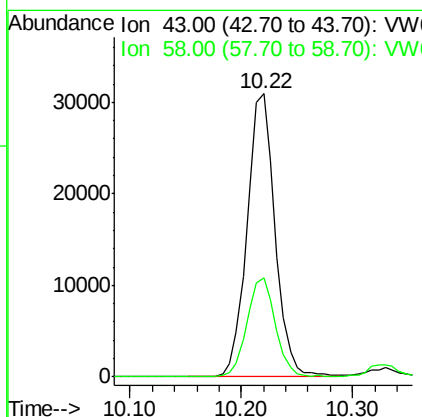
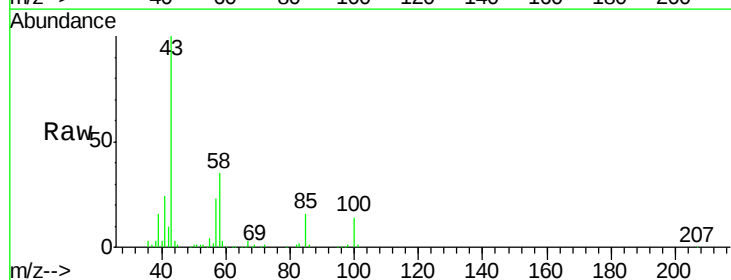
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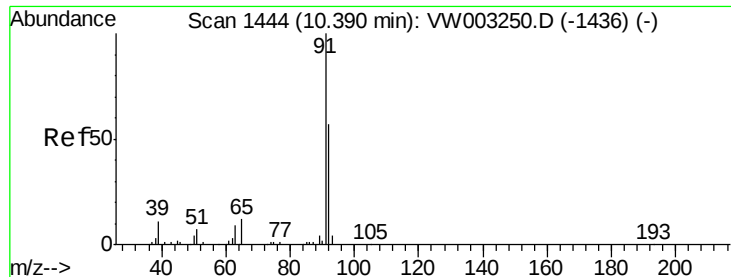
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#51
4-Methyl-2-Pentanone
Concen: 60.75 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion: 43 Resp: 54323
Ion Ratio Lower Upper
43 100
58 35.4 29.0 43.4





#52

Toluene

Concen: 26.59 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-33-35-180620

Tot Ion: 92 Resp: 100261

Ion Ratio Lower Upper

92 100

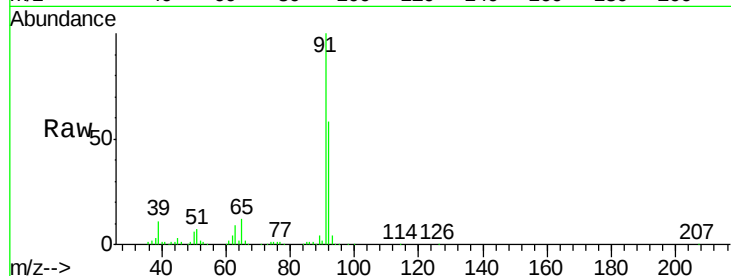
91 174.6 141.1 211.7

Manual Integrations

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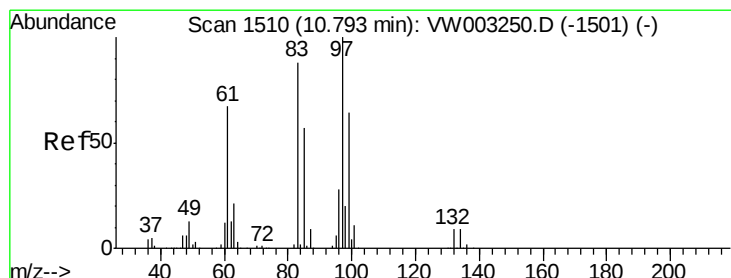
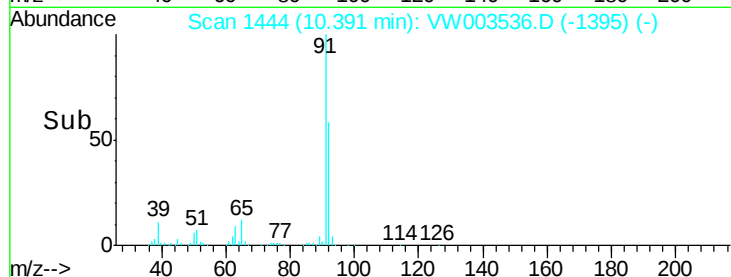
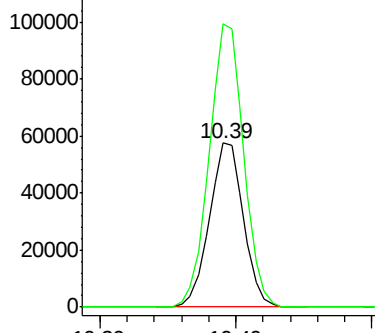
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 40.57 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion: 97 Resp: 43826

Ion Ratio Lower Upper

97 100

83 86.2 70.2 105.2

85 57.2 45.6 68.4

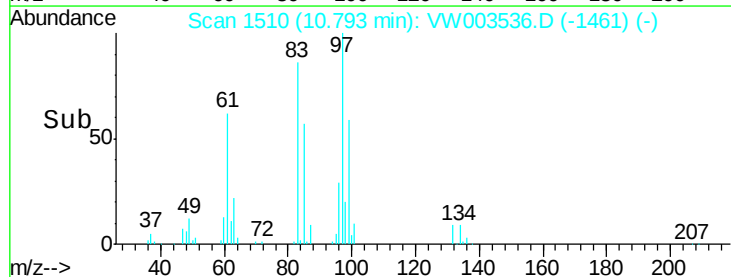
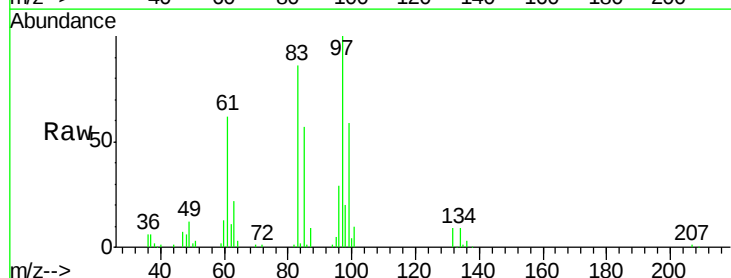
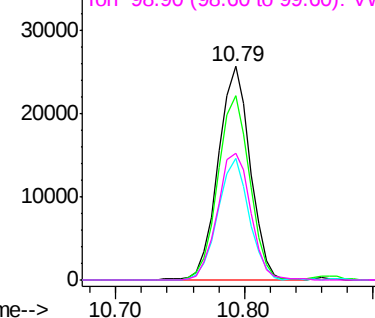
99 59.5 51.2 76.8

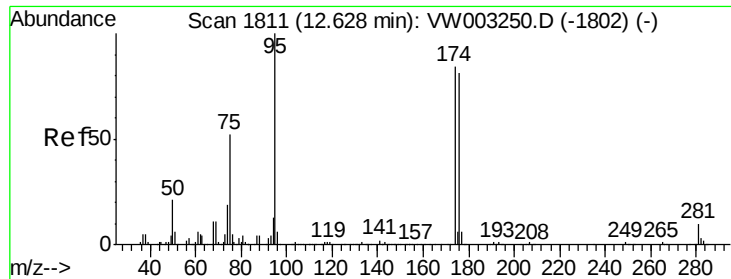
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#62

4-Bromofluorobenzene

Concen: 44.66 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

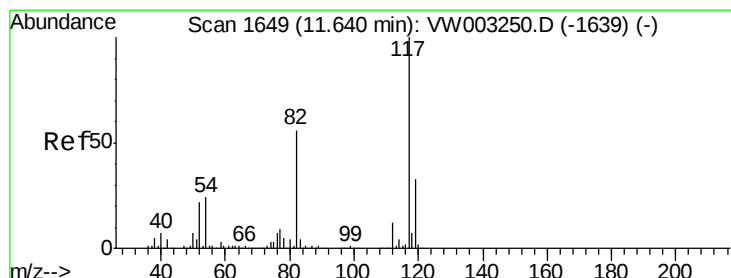
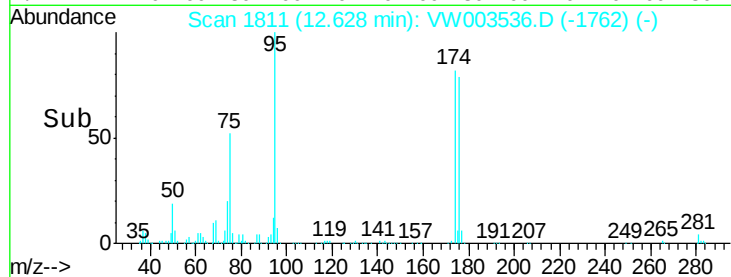
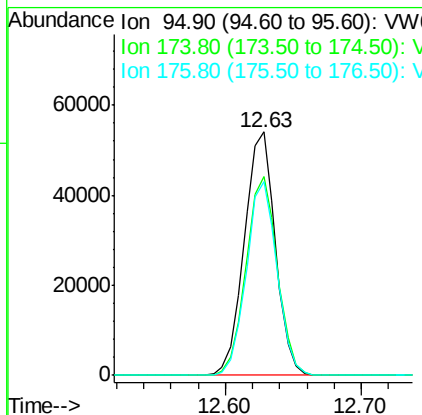
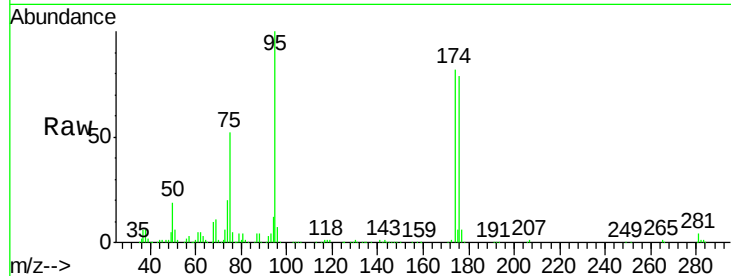
ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:	95	Resp:	86017
Ion Ratio	Lower	Upper	
95	100		
174	82.6	0.0	166.4
176	79.2	0.0	162.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

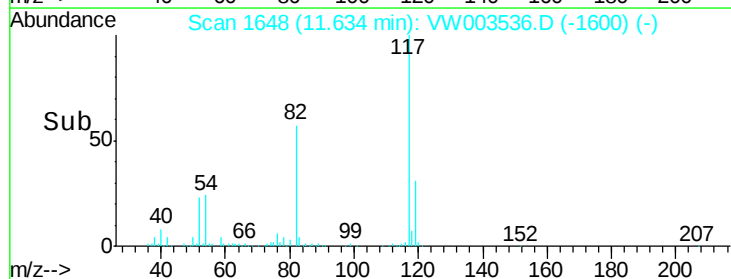
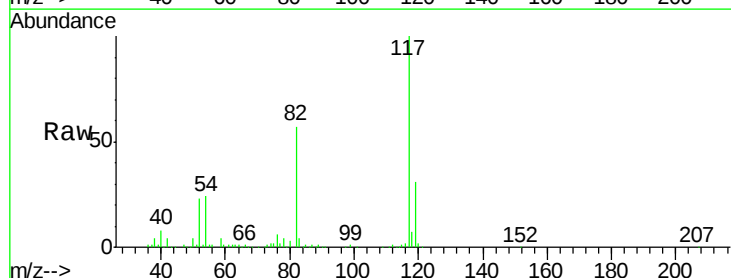
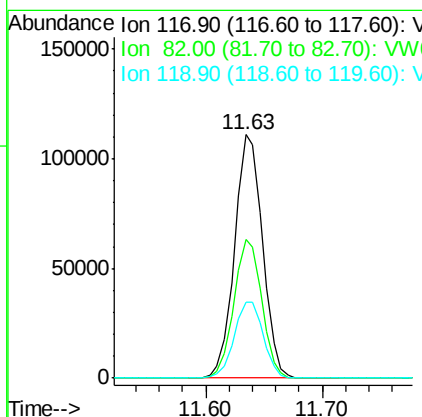
RT: 11.63 min Scan# 1648

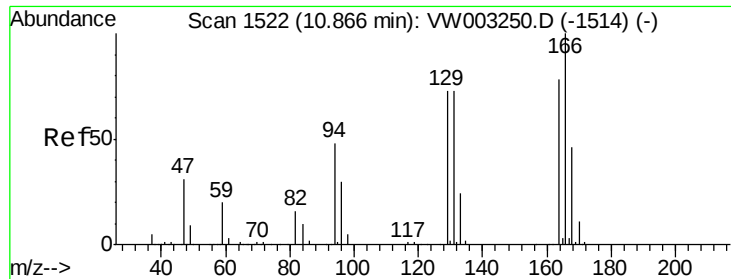
Delta R.T. -0.01 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion:	117	Resp:	185772
Ion Ratio	Lower	Upper	
117	100		
82	56.9	44.6	67.0
119	31.4	26.7	40.1





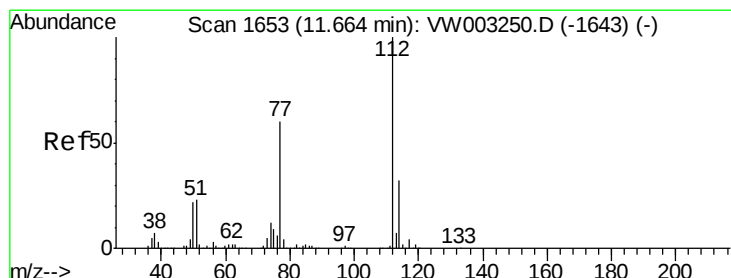
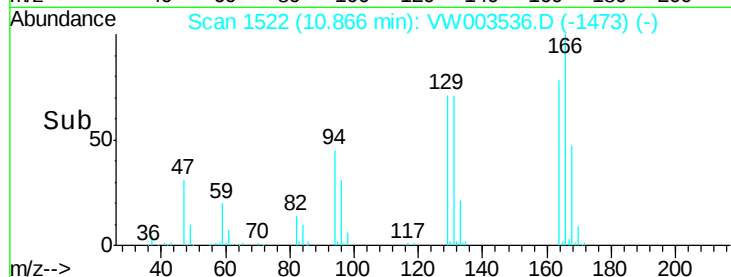
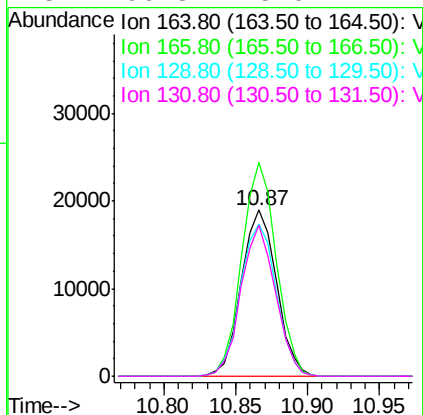
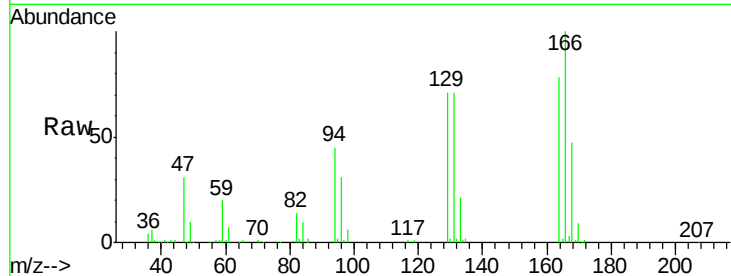
#64
Tetrachloroethene
Concen: 25.83 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.6	154.0
129	91.8	75.2	112.8
131	90.8	75.0	112.4

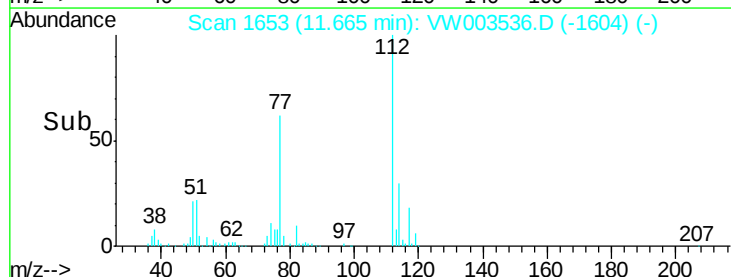
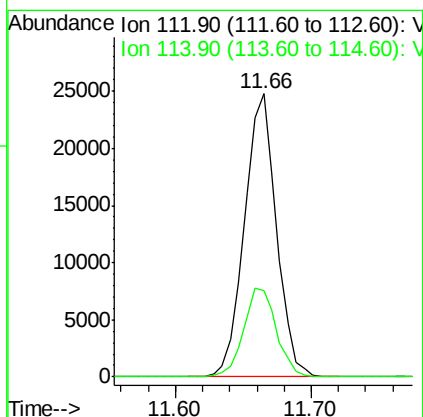
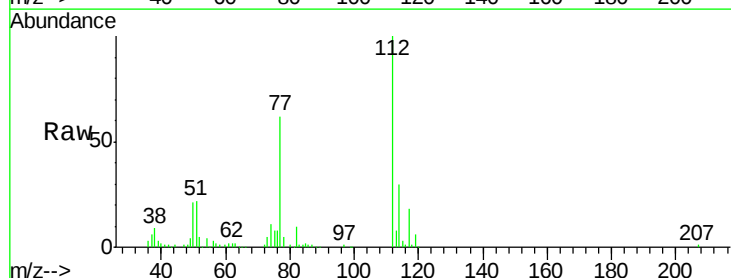
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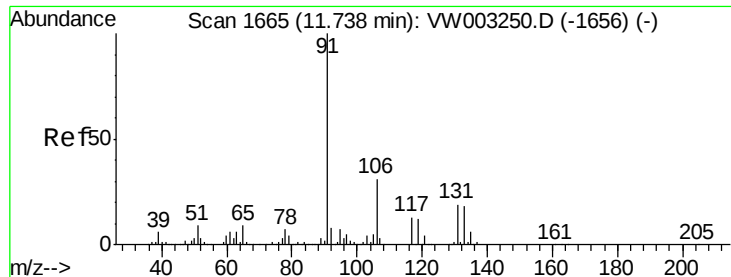
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#65
Chlorobenzene
Concen: 10.53 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.9	38.9





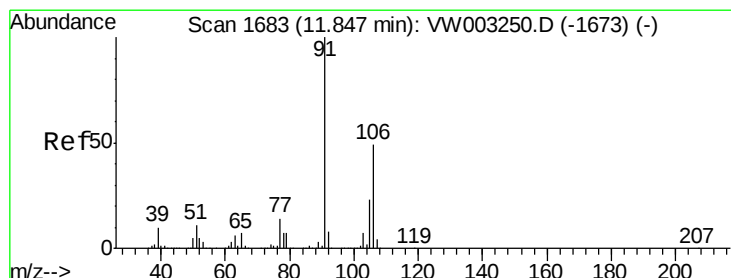
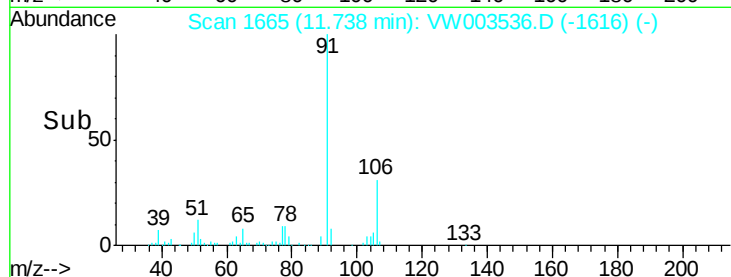
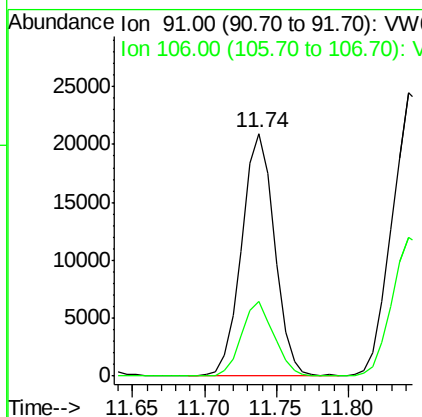
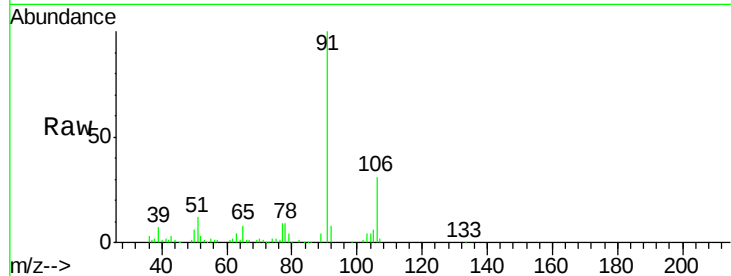
#67
Ethyl Benzene
Concen: 4.84 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

Tot Ion: 91 Resp: 33160
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

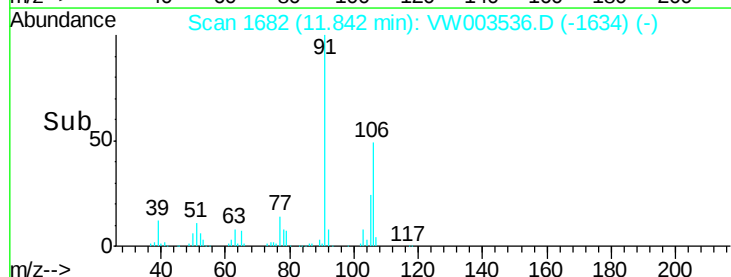
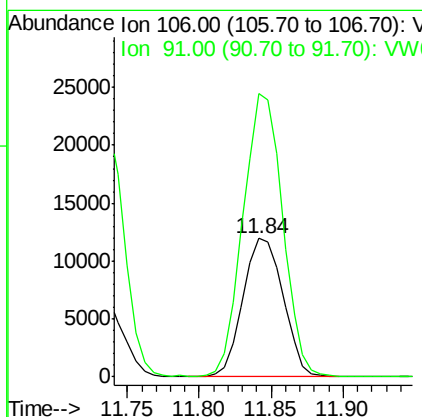
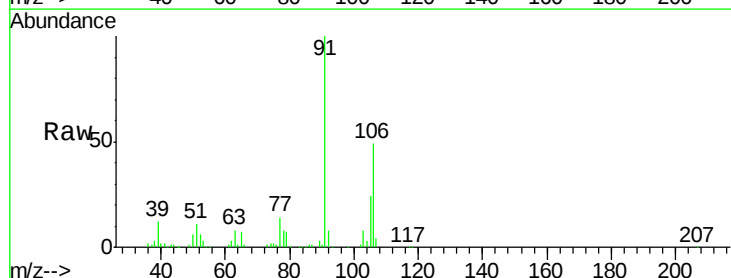
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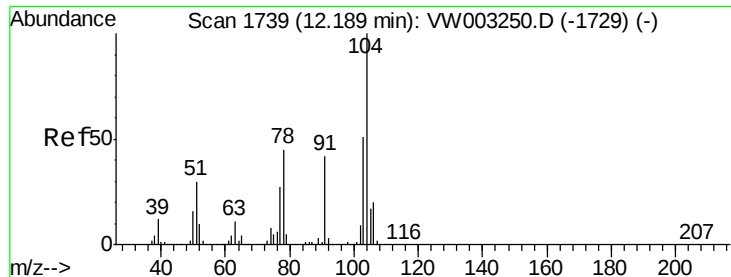
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#68
m/p-Xylenes
Concen: 8.89 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion: 106 Resp: 23185
Ion Ratio Lower Upper
106 100
91 201.7 165.4 248.0





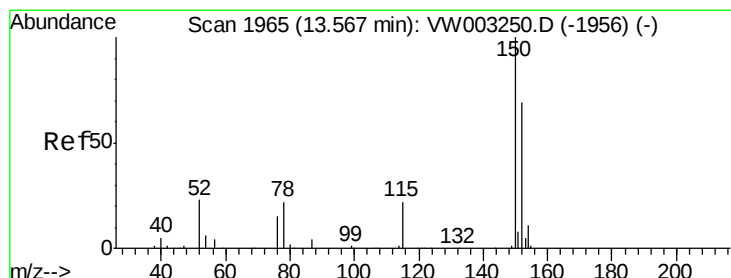
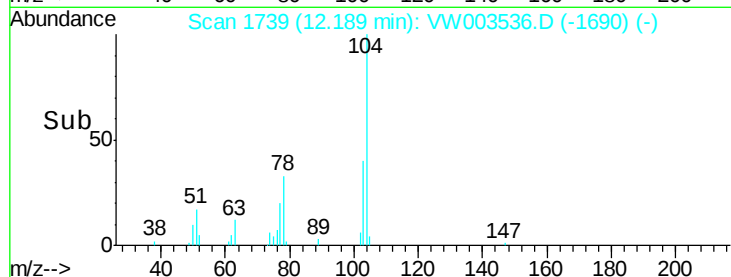
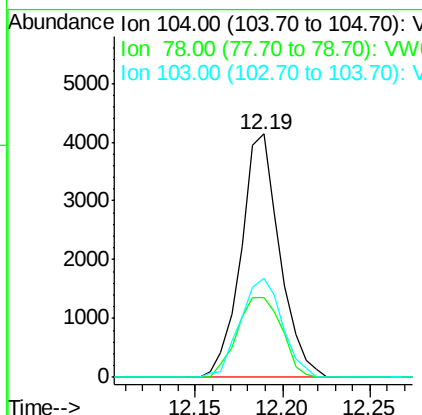
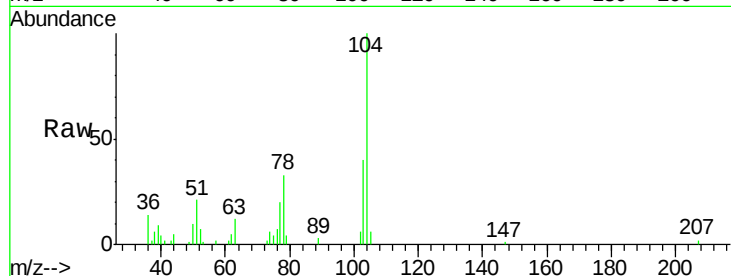
#70
Stvrene
Concen: 1.58 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-33-35-180620

Tot Ion	Ratio	Resp	Lower	Upper
104	100	6355		
78	37.8		41.3	61.9#
103	44.3		45.0	67.4#

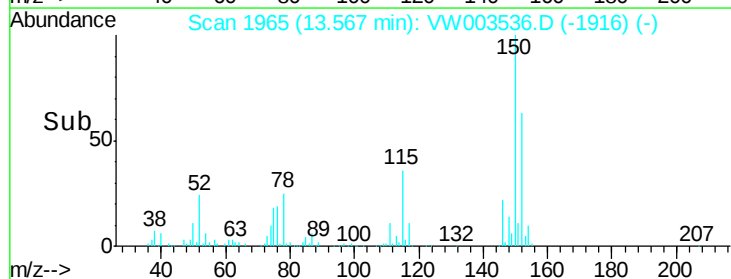
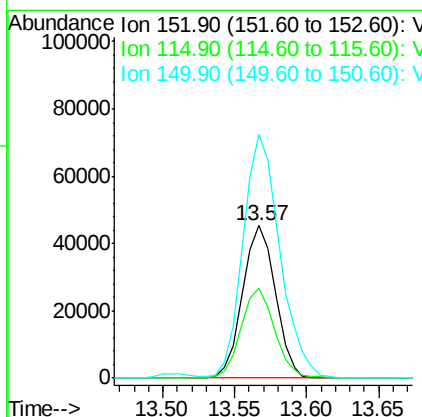
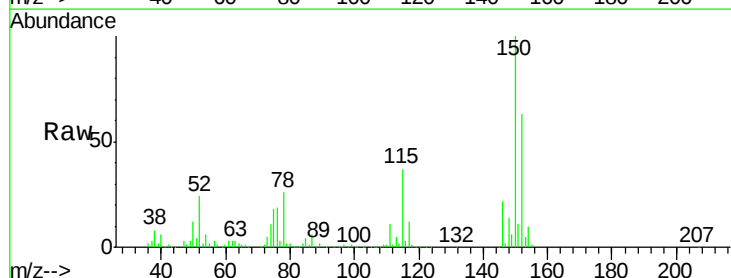
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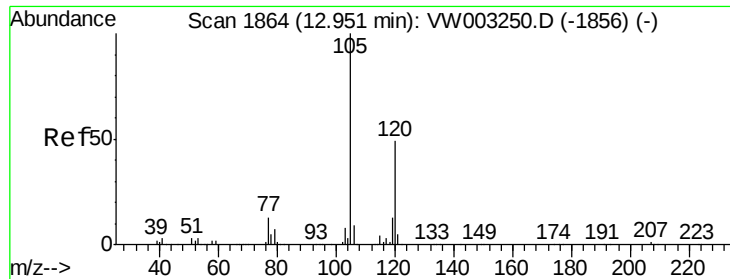
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003536.D
Acq: 25 Jun 2018 04:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	71691		
115	59.9		29.3	88.0
150	178.9		0.0	349.6





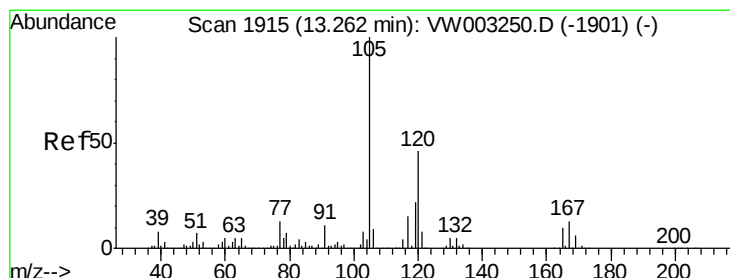
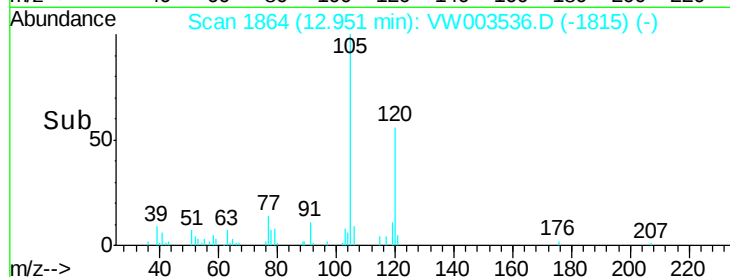
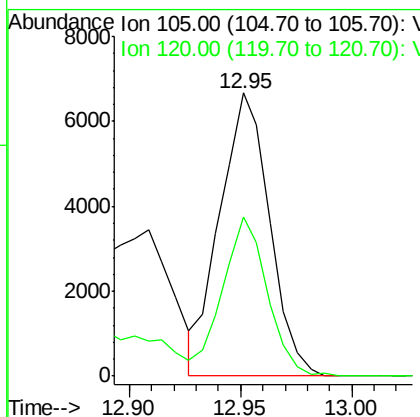
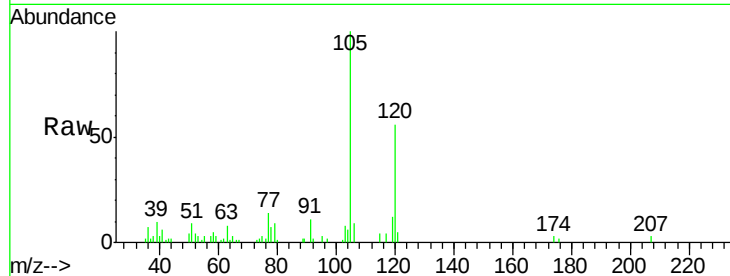
#80
 1,3,5-Trimethylbenzene
 Concen: 2.46 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-33-35-180620

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.9	24.3	72.9

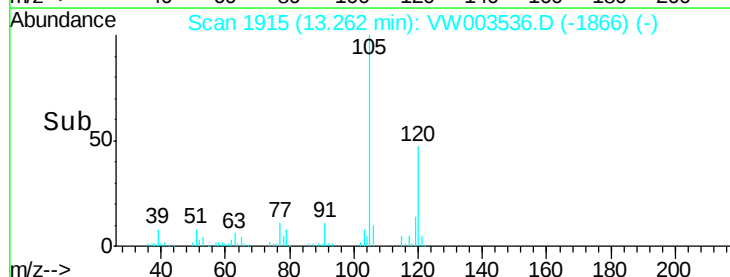
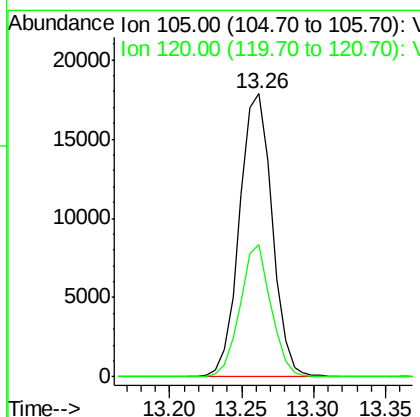
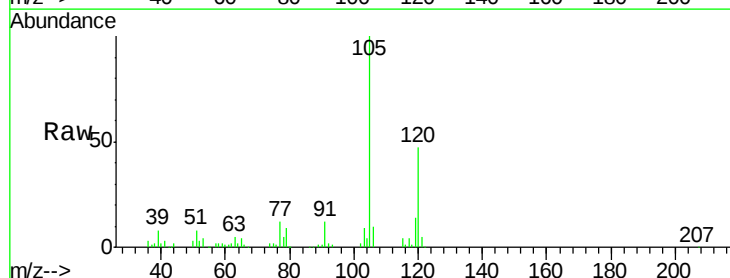
Manual Integrations
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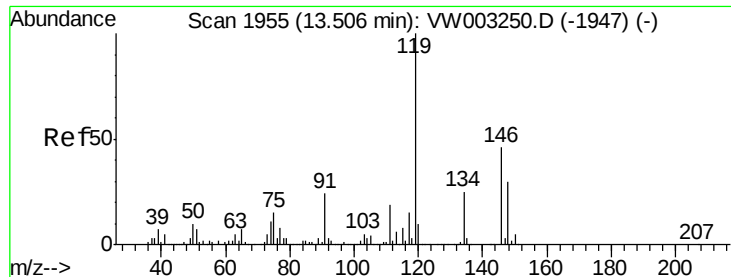
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.54 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003536.D
 Acq: 25 Jun 2018 04:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.5	67.5





#87

1,3-Dichlorobenzene

Concen: 9.14 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

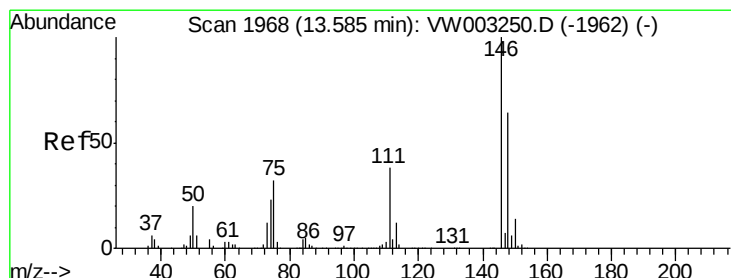
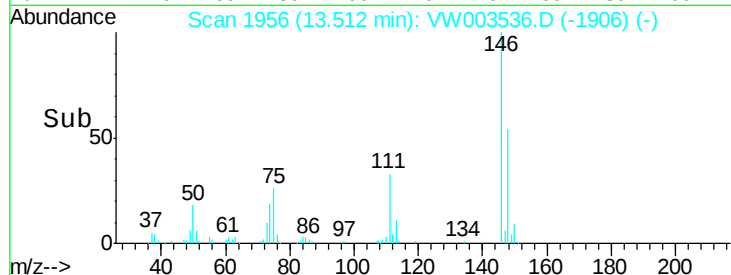
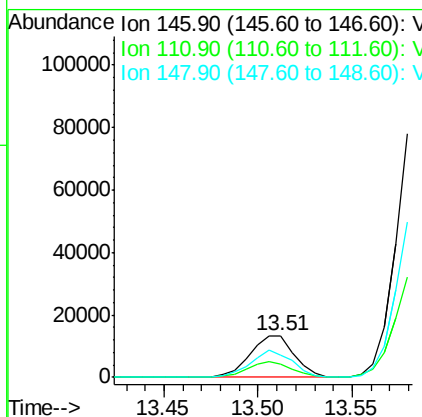
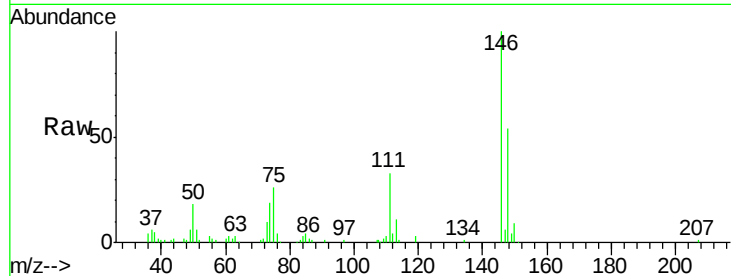
ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:	146	Resp:	21811
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.8	59.4
148	60.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 69.58 ug/l

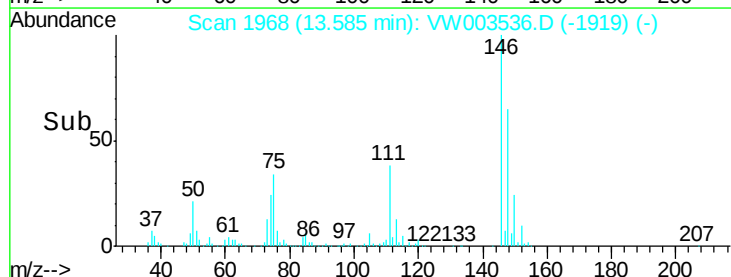
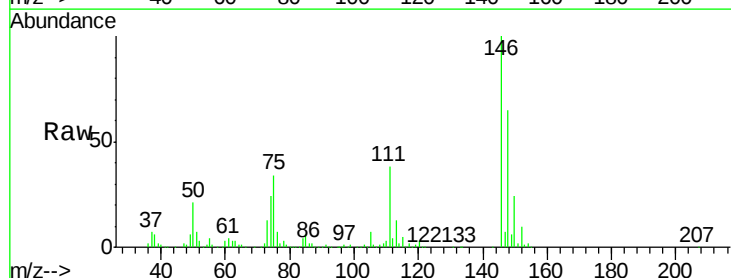
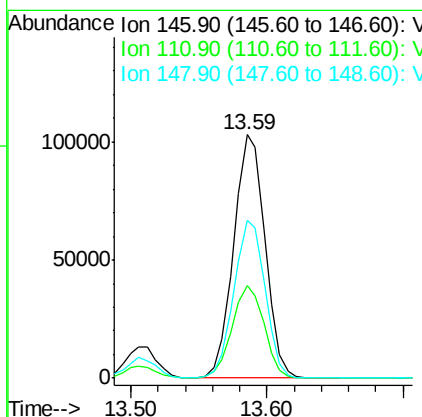
RT: 13.59 min Scan# 1968

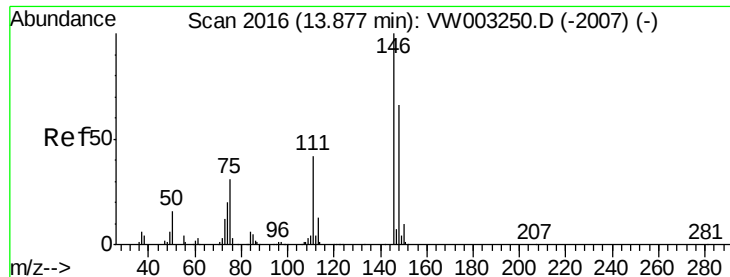
Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion:	146	Resp:	165019
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.2	57.6
148	64.6	31.8	95.4





#91

1,2-Dichlorobenzene

Concen: 377.86 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Instrument :

MSVOA_W

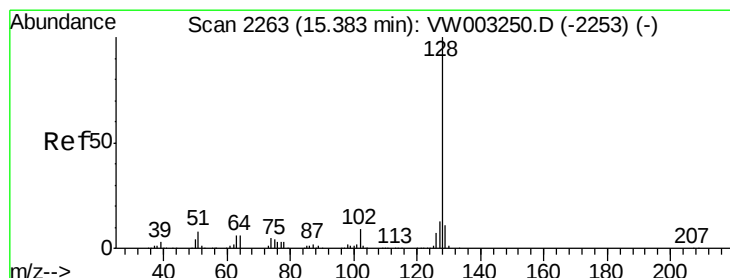
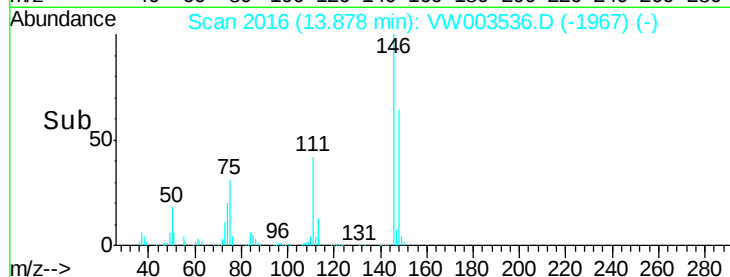
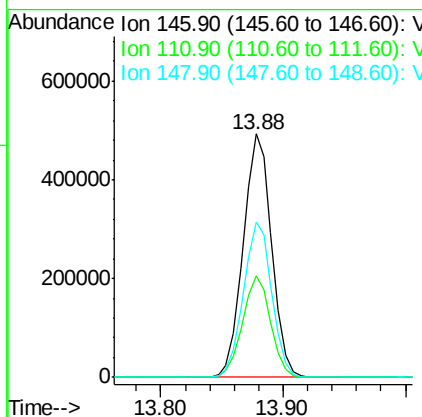
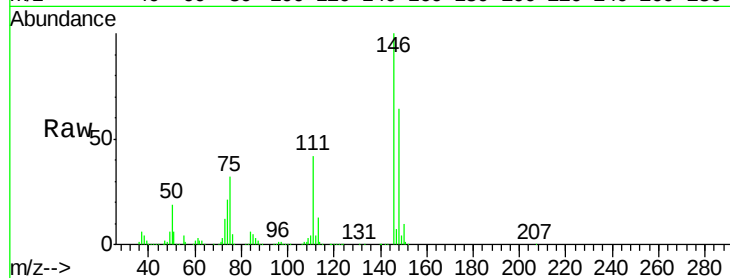
ClientSampleId :

WP021SB474-33-35-180620

Tot Ion:	146	Resp:	789625
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.3	61.0
148	63.8	32.3	96.9

Manual Integrations
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#95

Naphthalene

Concen: 7.41 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003536.D

Acq: 25 Jun 2018 04:26

Tgt Ion:	128	Resp:	18435
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.5	15.7
129	10.4	8.9	13.3

