

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003516.D
 Acq On : 24 Jun 2018 17:40
 Operator : SY/AP
 Sample : J3669-18
 Misc : 6.16G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Manual Integrations
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Quant Time: Jun 25 01:00:02 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	158640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	265635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105795	61.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.14%	
35) Dibromofluoromethane	7.89	113	88473	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	10.33	98	313540	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.62	95	120209	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.36	62	6370333	3606.14	ug/l	98
12) 1,1-Dichloroethene	4.03	96	78978	55.00	ug/l	99
16) Acetone	4.14	43	14139	39.23	ug/l	96
20) Methylene Chloride	4.91	84	11770	4.34	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	48986	31.34	ug/l	99
27) cis-1,2-Dichloroethene	7.15	96	27898744m	16249.34	ug/l	
30) Chloroform	7.68	83	5380	1.78	ug/l	96
39) Methylcyclohexane	9.34	83	9933	3.35	ug/l	94
40) Benzene	8.33	78	97717	13.82	ug/l	96
44) Trichloroethene	9.10	130	7638942	4076.90	ug/l	97
52) Toluene	10.39	92	17827	3.93	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	8026	6.18	ug/l	96
64) Tetrachloroethene	10.87	164	2004	1.23	ug/l #	79
65) Chlorobenzene	11.66	112	77247	15.17	ug/l	98
68) m/p-Xylenes	11.85	106	3475	1.01	ug/l	97
73) Isopropylbenzene	12.47	105	26572	2.94	ug/l	98
83) tert-Butylbenzene	13.21	119	10477	1.62	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	10194	1.31	ug/l	99
85) sec-Butylbenzene	13.39	105	23591	2.45	ug/l #	56
87) 1,3-Dichlorobenzene	13.51	146	22118	5.11	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	50440	11.73	ug/l	94
89) n-Butylbenzene	13.83	91	8688	1.05	ug/l #	85
91) 1,2-Dichlorobenzene	13.88	146	162601	42.90	ug/l	99

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

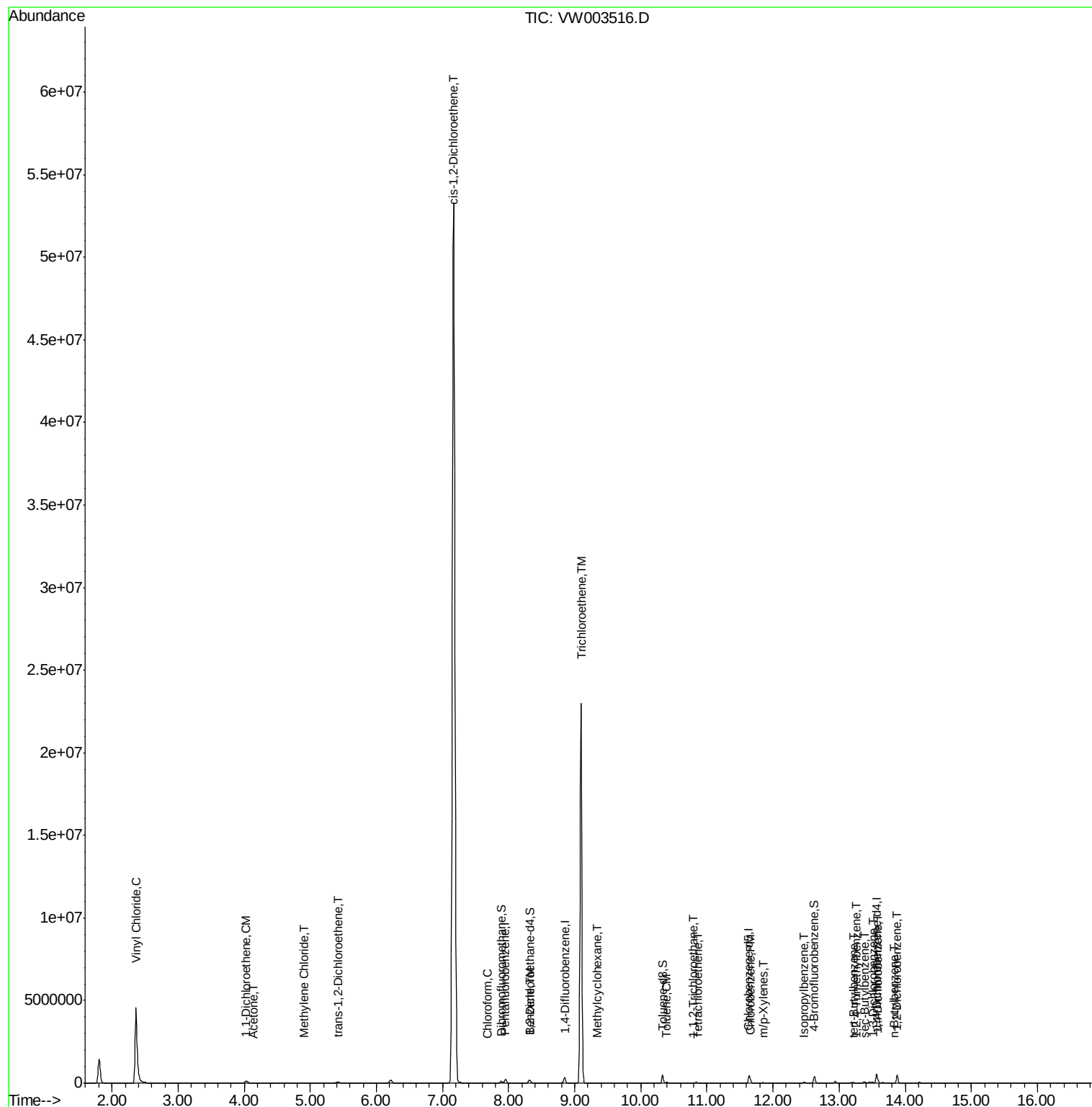
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003516.D
Acq On : 24 Jun 2018 17:40
Operator : SY/AP
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Misc : 6.16G/5ML/MSVOA W/SOIL
ALS Vial : 16 Sample Multiplier: 1

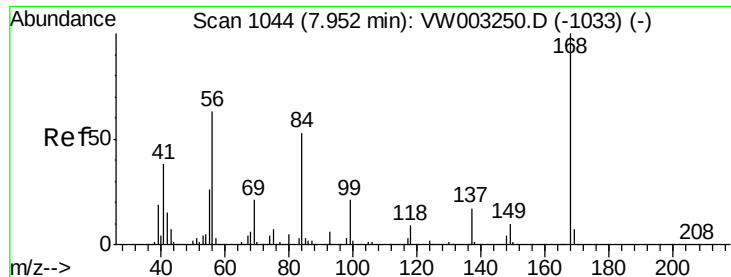
Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

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Quant Time: Jun 25 01:00:02 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: VW003516.D

Acq: 24 Jun 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-25-27-180620

Tot Ion:168 Resp: 158640

Ion Ratio Lower Upper

168 100

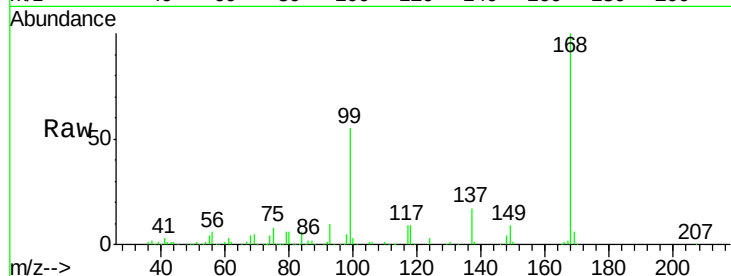
99 55.3 45.5 68.3

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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

80000

60000

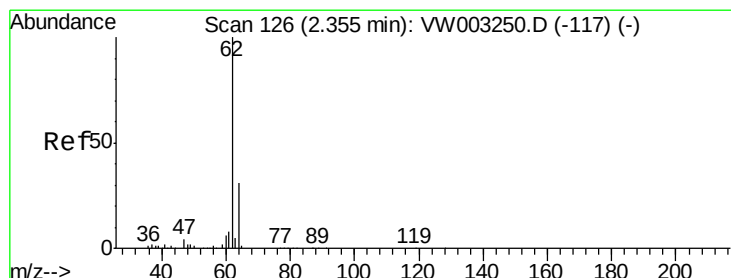
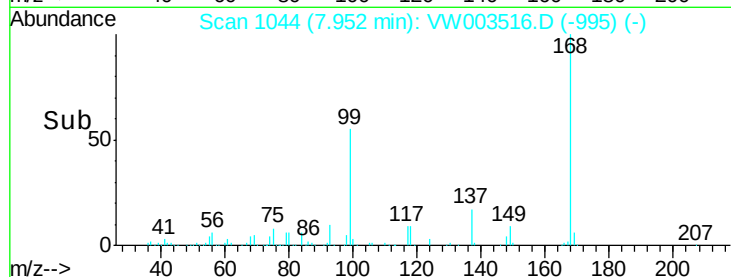
40000

20000

0

7.90 8.00

Time-->



#4

Vinyl Chloride

Concen: 3606.14 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003516.D

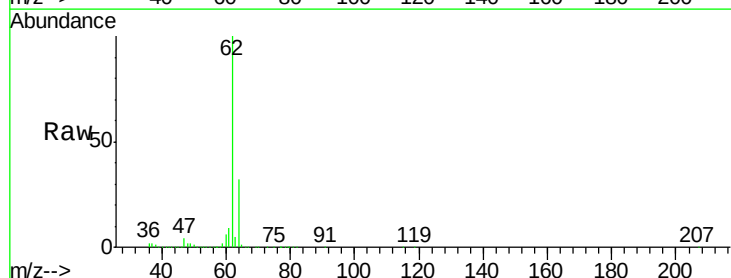
Acq: 24 Jun 2018 17:40

Tgt Ion: 62 Resp: 6370333

Ion Ratio Lower Upper

62 100

64 32.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

3000000

2500000

2000000

1500000

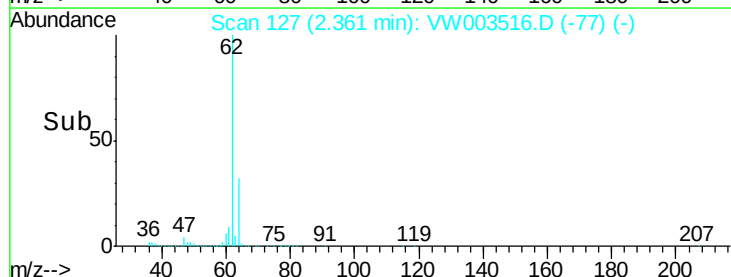
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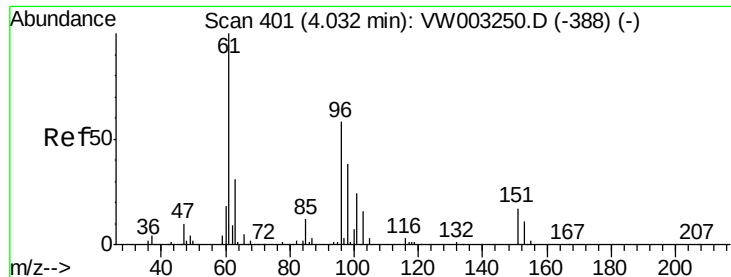
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0

2.20 2.40 2.60

Time-->





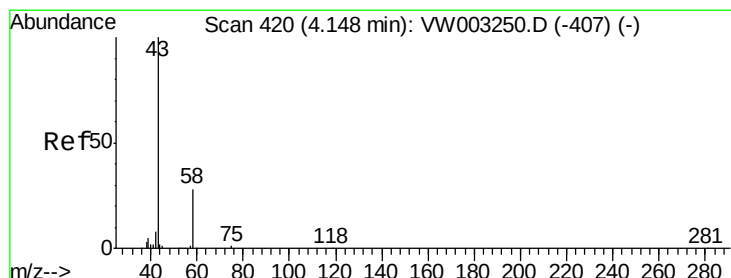
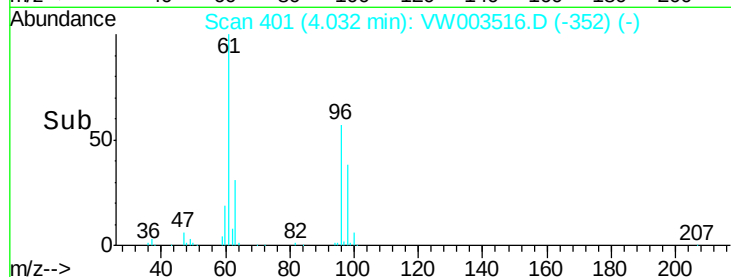
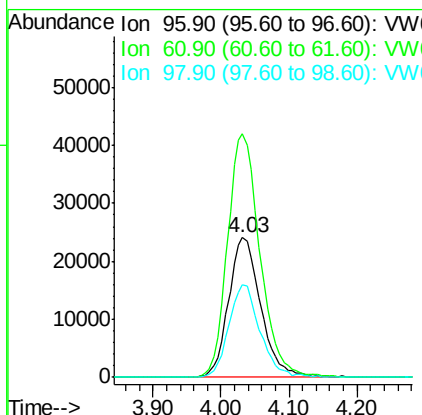
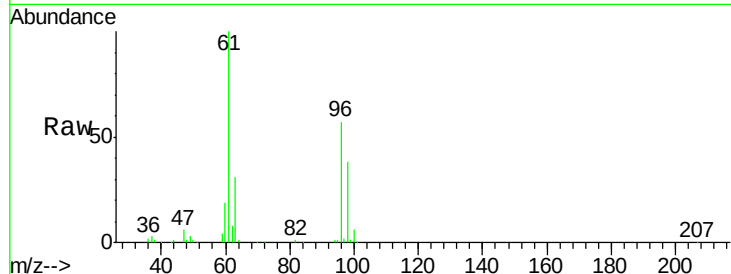
#12
 1,1-Dichloroethene
 Concen: 55.00 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.4	139.0	208.4
98	66.1	53.3	79.9

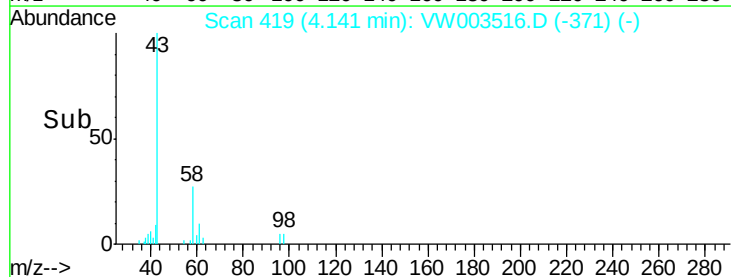
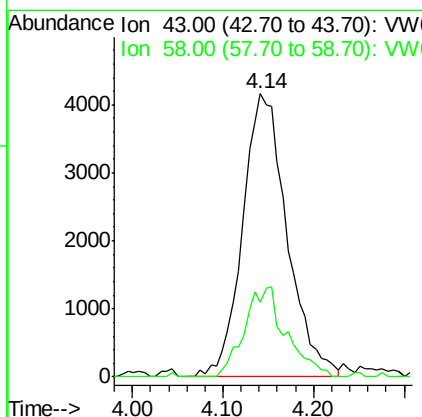
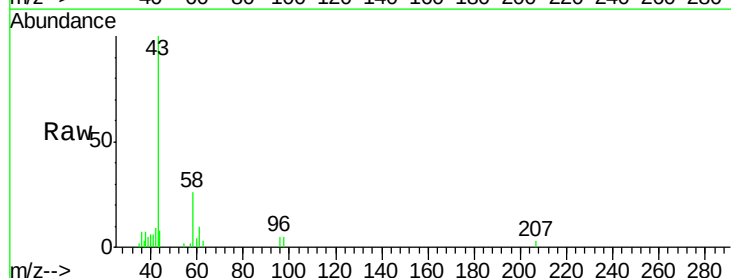
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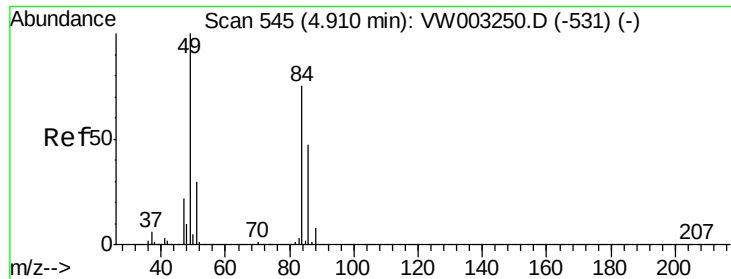
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#16
 Acetone
 Concen: 39.23 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.6	34.0





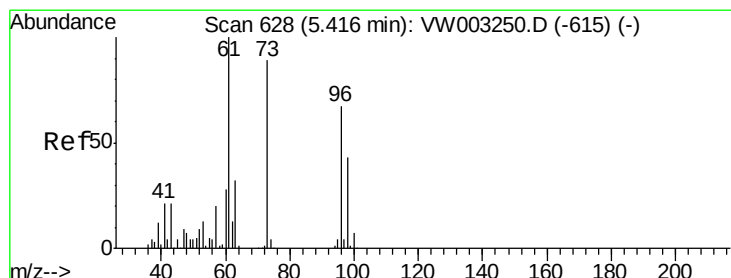
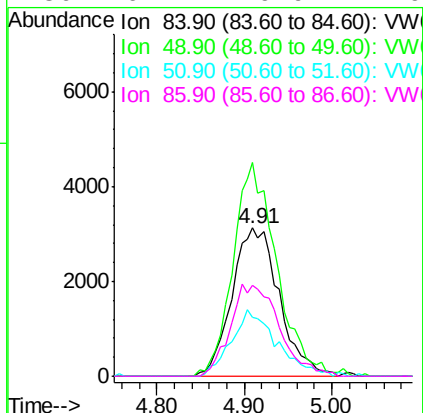
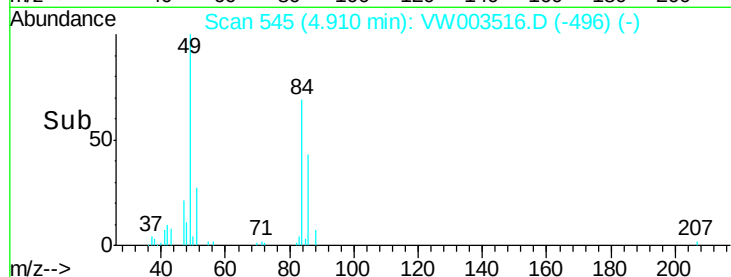
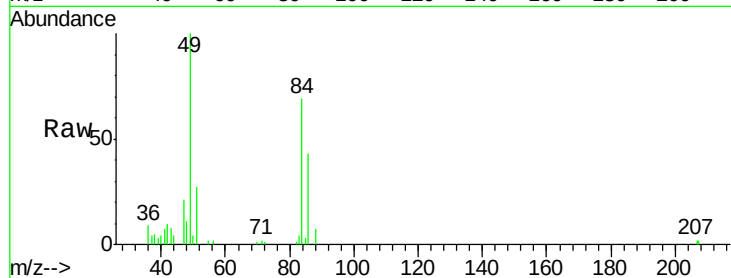
#20
Methylene Chloride
Concen: 4.34 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

Tot Ion:	84	Resp:	11770
Ion	Ratio	Lower	Upper
84	100		
49	144.1	106.3	159.5
51	39.5	32.0	48.0
86	61.7	49.9	74.9

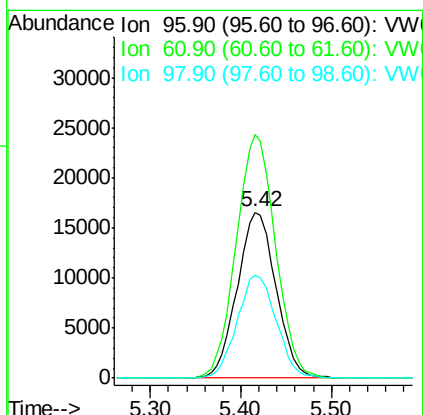
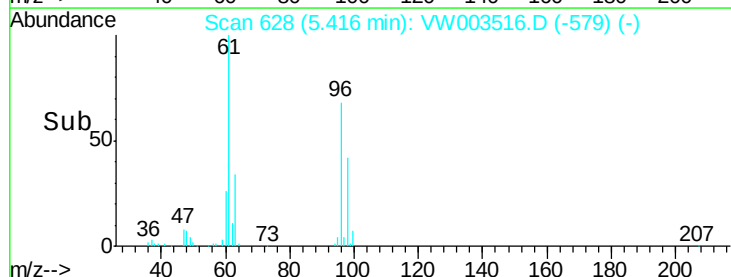
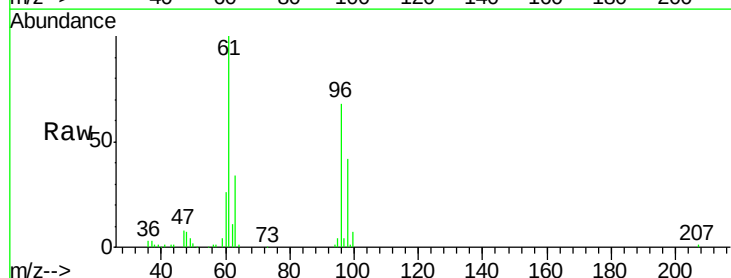
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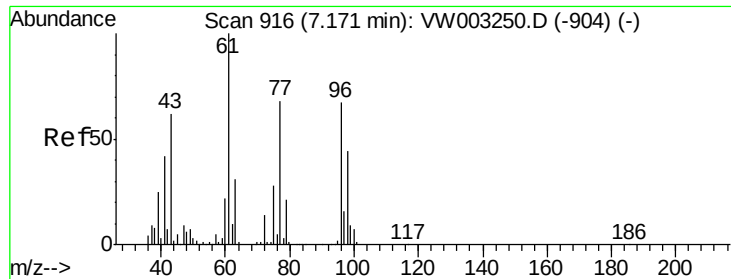
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#21
trans-1,2-Dichloroethene
Concen: 31.34 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Tgt Ion:	96	Resp:	48986
Ion	Ratio	Lower	Upper
96	100		
61	147.0	118.7	178.1
98	62.4	51.0	76.6





#27

cis-1,2-Dichloroethene
Concen: 16249.34 ug/l m
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

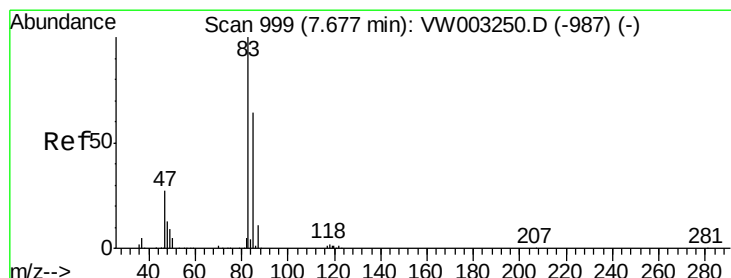
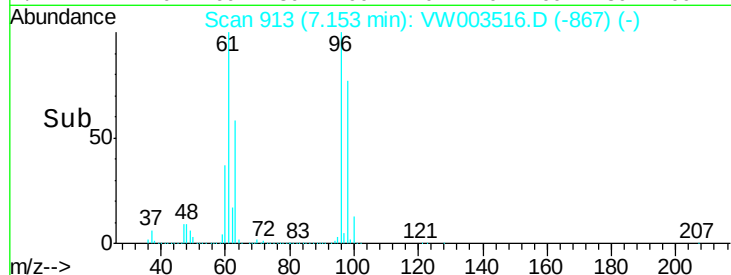
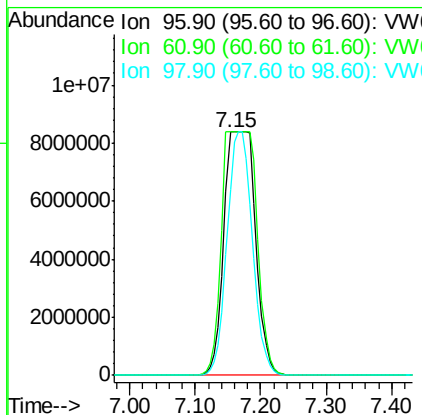
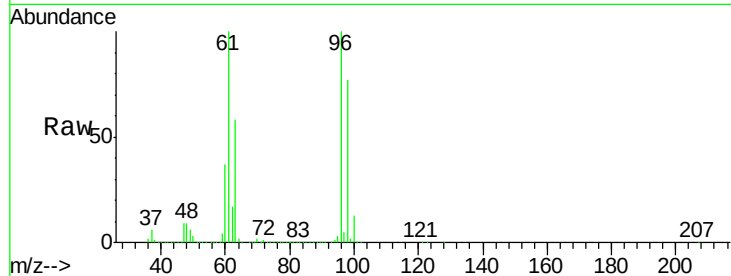
Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

Tot Ion: 96 Resp: 27898744

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

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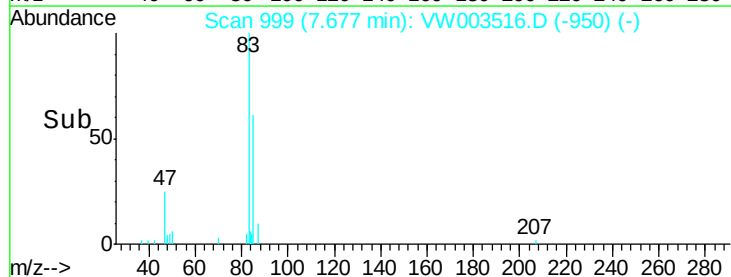
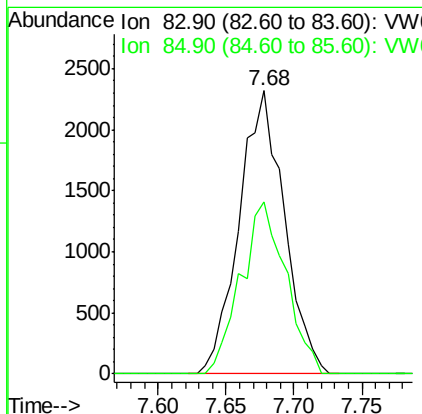
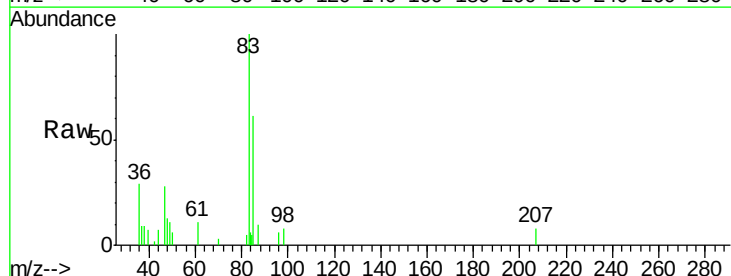


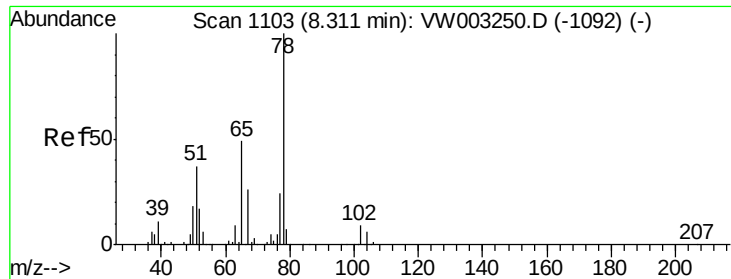
#30

Chloroform
Concen: 1.78 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Tgt Ion: 83 Resp: 5380

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.3	76.9





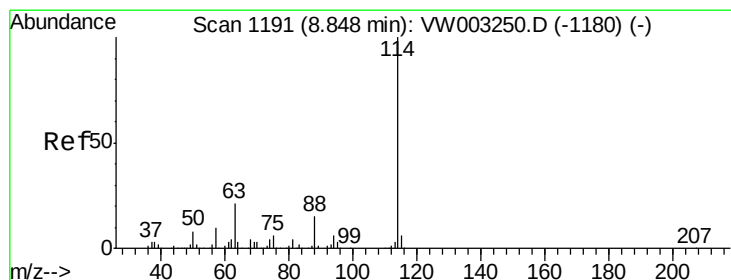
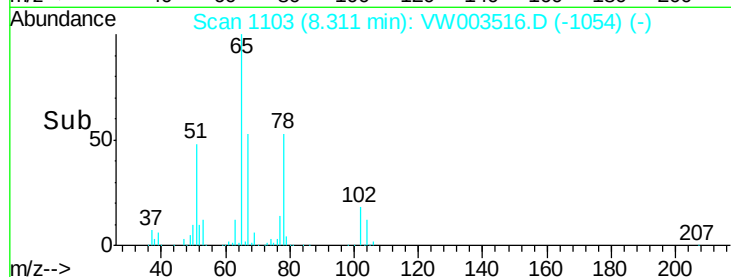
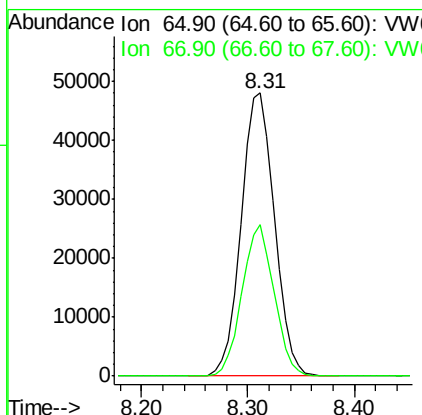
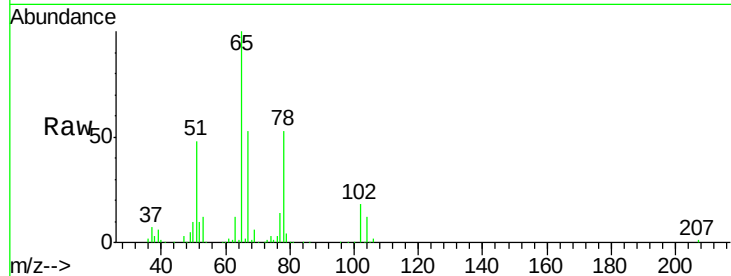
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 1,2-Dichloroethane-d4
 Concen: 61.57 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	104.2	

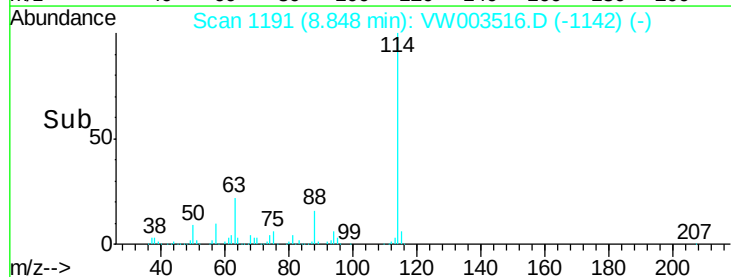
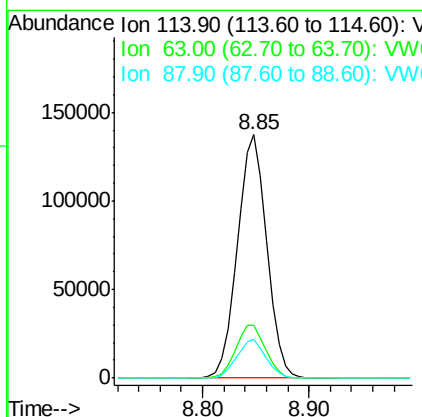
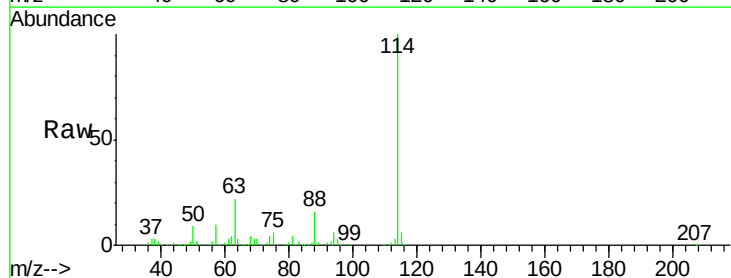
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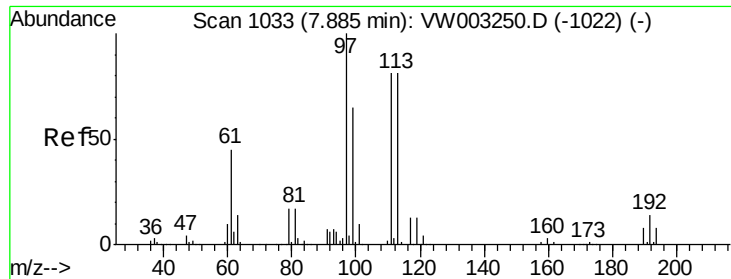
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.0	
88	15.7	0.0	29.6	





#35

Dibromofluoromethane

Concen: 53.60 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003516.D

Acq: 24 Jun 2018 17:40

Instrument :

MSVOA_W

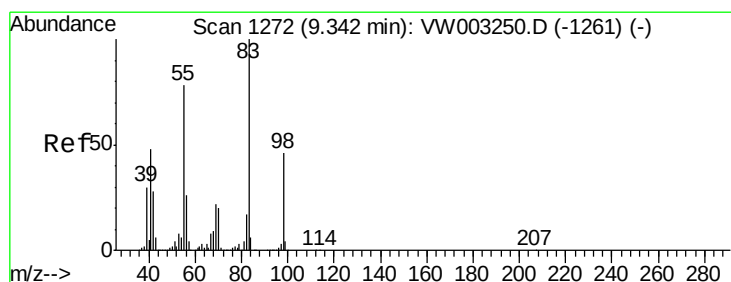
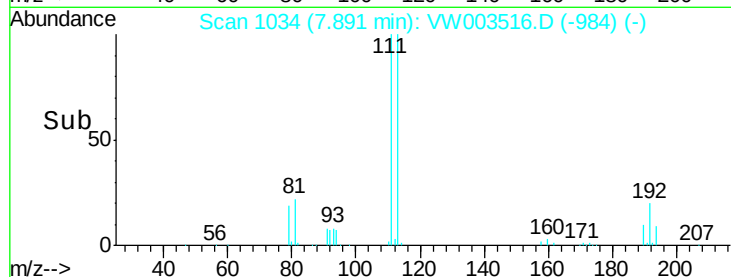
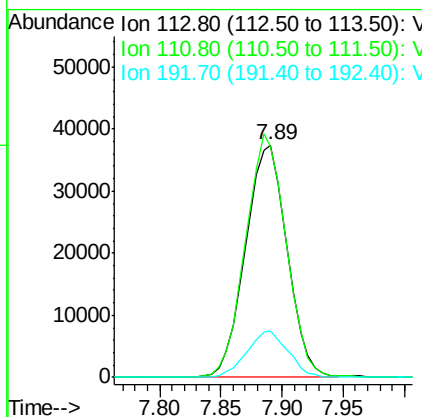
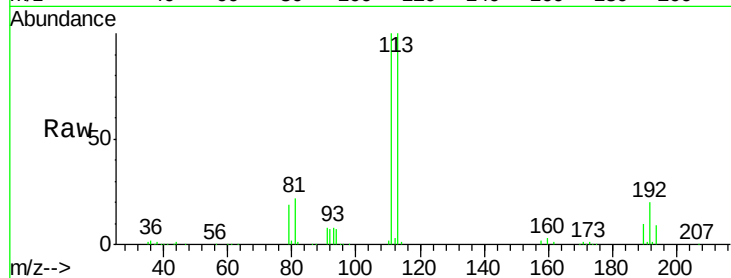
ClientSampleId :

WP021SB475-25-27-180620

Tot Ion:	113	Resp:	88473
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	19.6	16.2	24.2

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#39

Methylcyclohexane

Concen: 3.35 ug/l

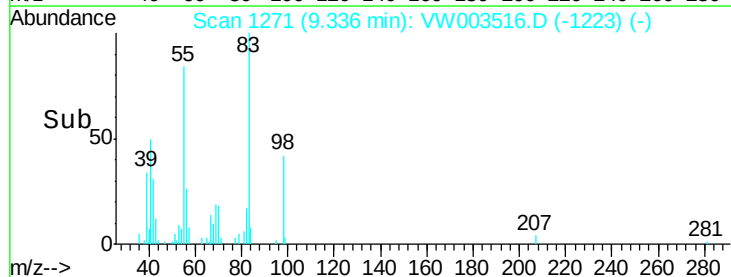
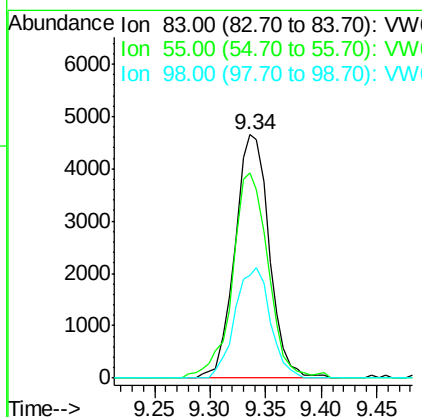
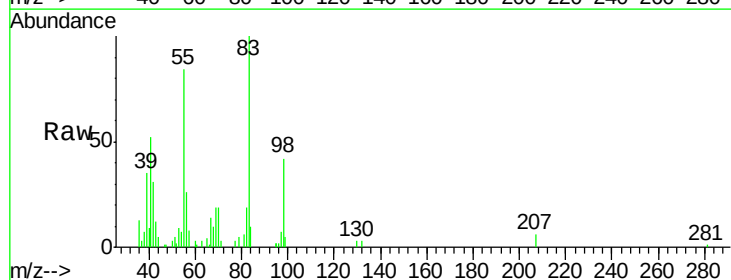
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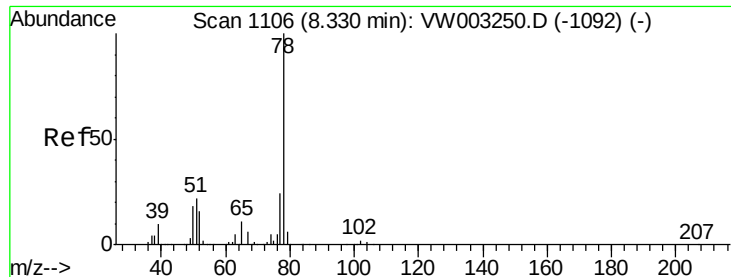
Delta R.T. -0.01 min

Lab File: VW003516.D

Acq: 24 Jun 2018 17:40

Tgt Ion:	83	Resp:	9933
Ion	Ratio	Lower	Upper
83	100		
55	84.0	62.6	93.8
98	42.4	37.0	55.4





#40

Benzene

Concen: 13.82 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003516.D

Acq: 24 Jun 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-25-27-180620

Tot Ion: 78 Resp: 97717

Ion Ratio Lower Upper

78 100

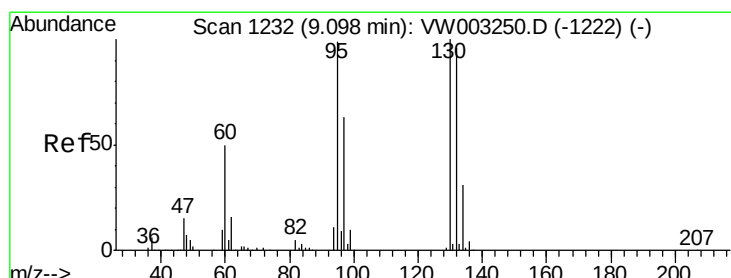
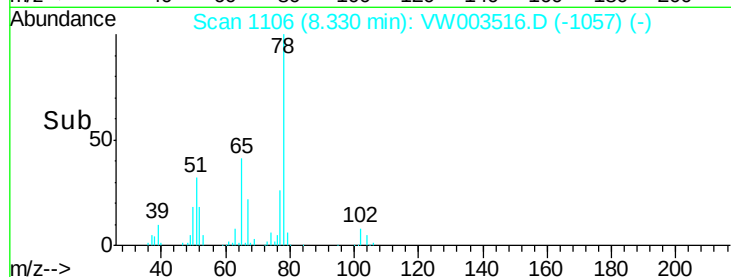
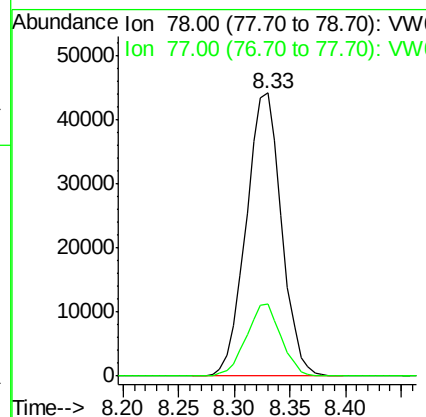
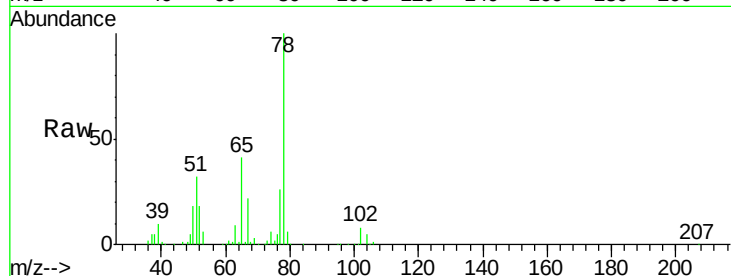
77 25.6 19.0 28.6

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#44

Trichloroethene

Concen: 4076.90 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003516.D

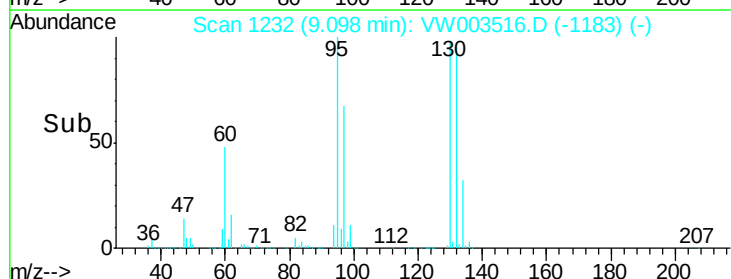
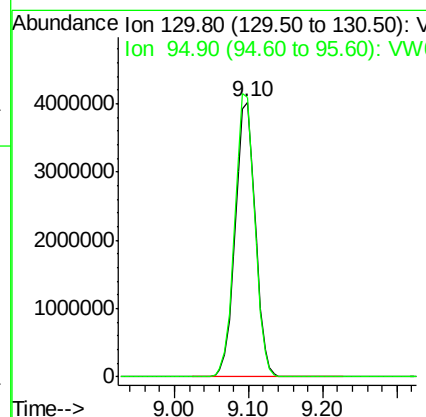
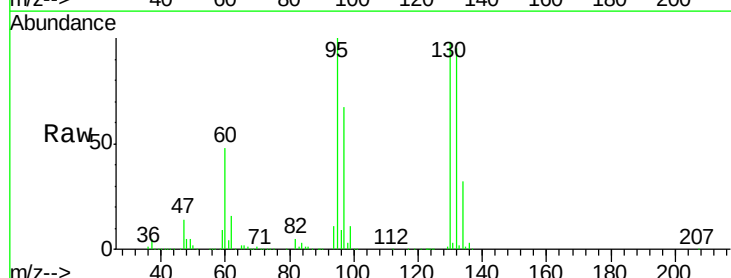
Acq: 24 Jun 2018 17:40

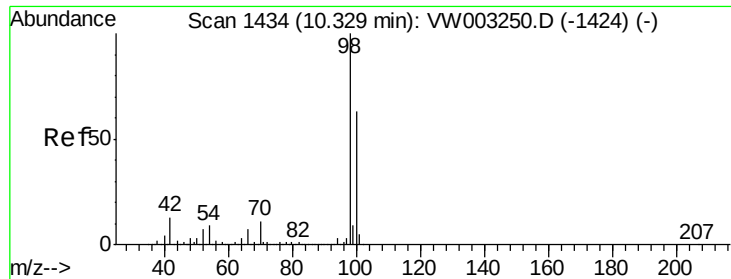
Tgt Ion:130 Resp: 7638942

Ion Ratio Lower Upper

130 100

95 101.8 0.0 198.0





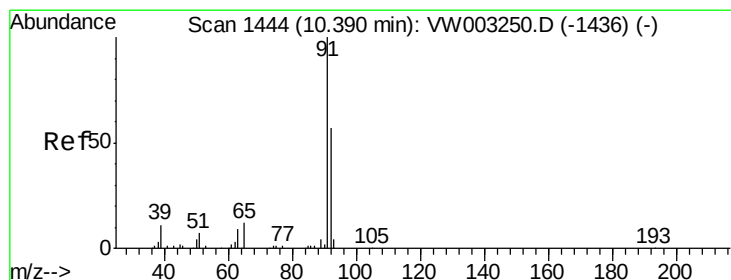
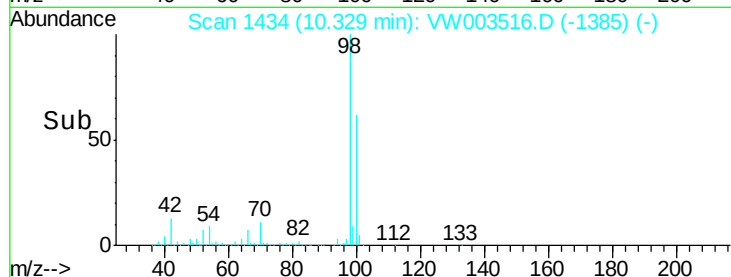
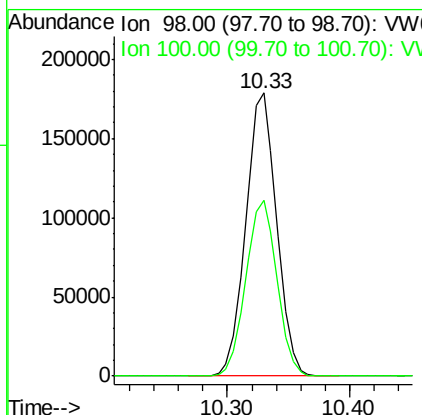
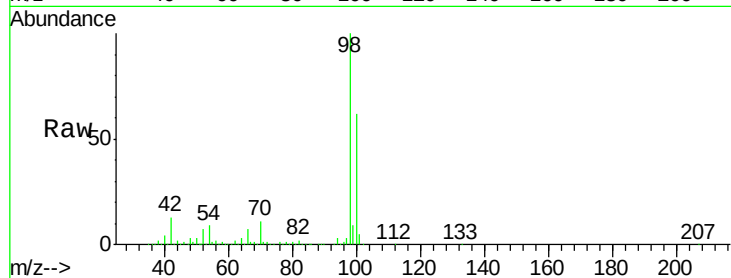
#50
Toluene-d8
Concen: 47.91 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

Tot Ion: 98 Resp: 313540
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2

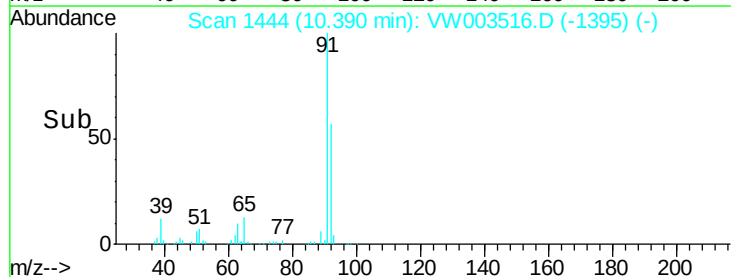
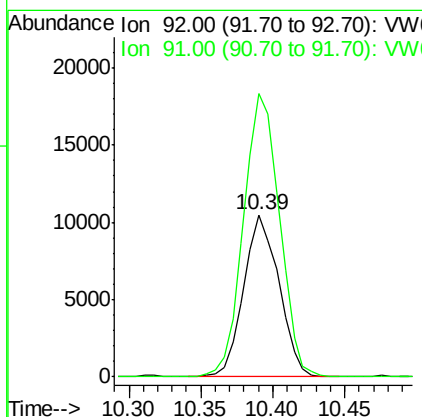
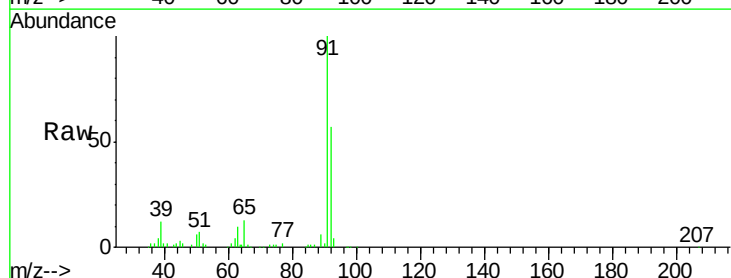
Manual Integrations
APPROVED

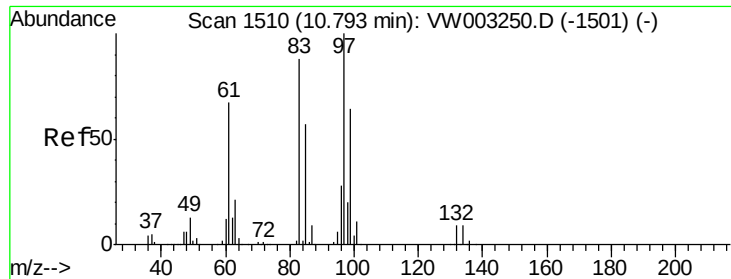
apatel
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#52
Toluene
Concen: 3.93 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Tgt Ion: 92 Resp: 17827
Ion Ratio Lower Upper
92 100
91 177.9 141.1 211.7





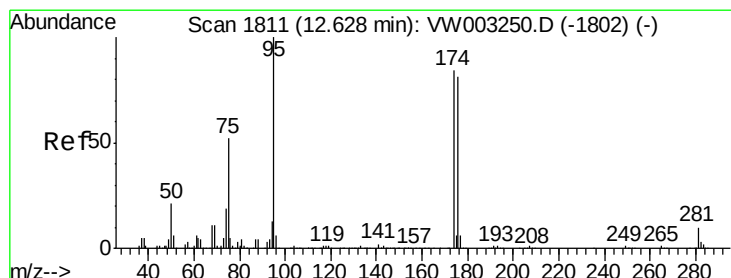
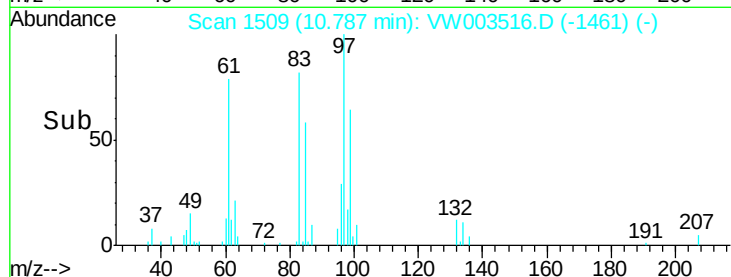
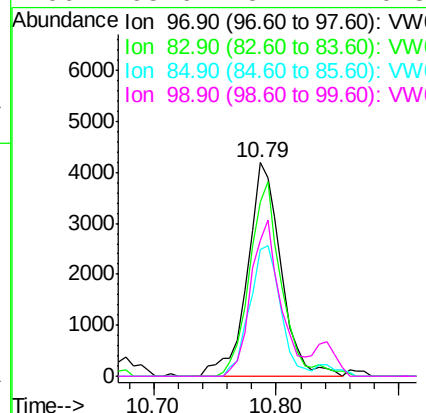
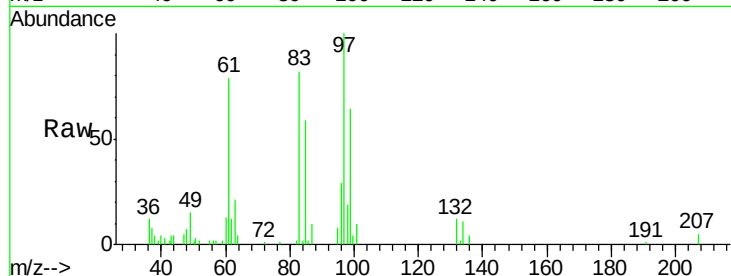
#55
 1,1,2-Trichloroethane
 Concen: 6.18 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion:	97	Resp:	8026
Ion	Ratio	Lower	Upper
97	100		
83	81.6	70.2	105.2
85	59.4	45.6	68.4
99	63.6	51.2	76.8

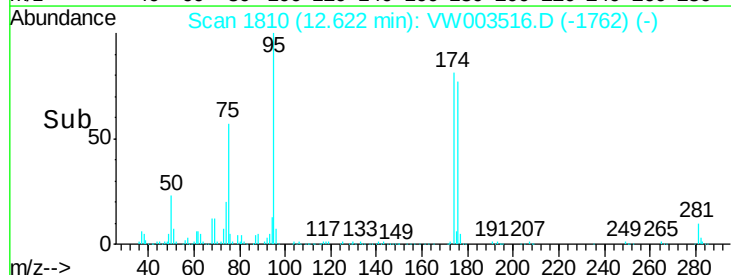
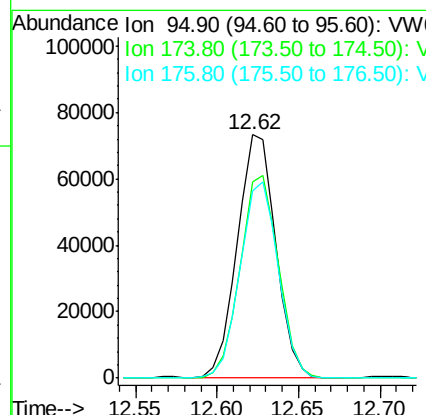
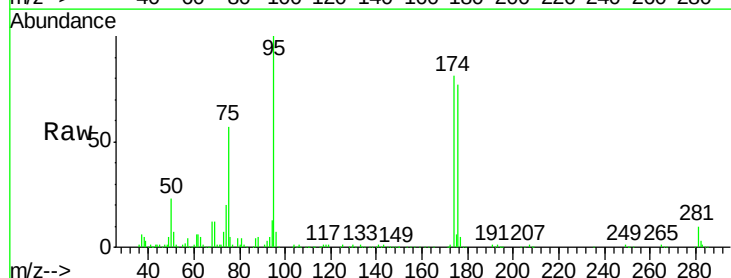
Manual Integrations
 APPROVED

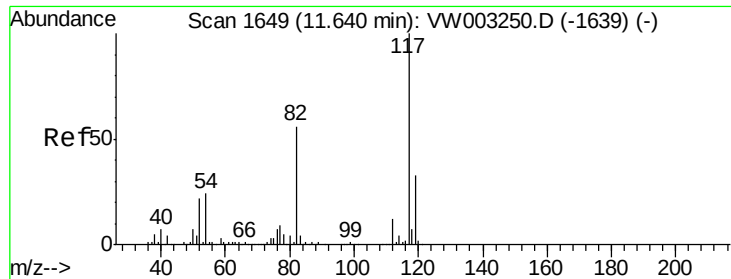
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#62
 4-Bromofluorobenzene
 Concen: 51.90 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion:	95	Resp:	120209
Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	166.4
176	80.5	0.0	162.0





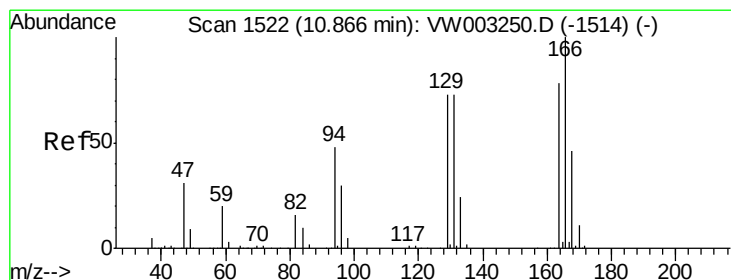
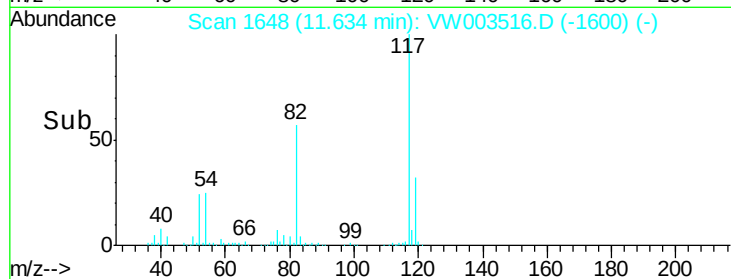
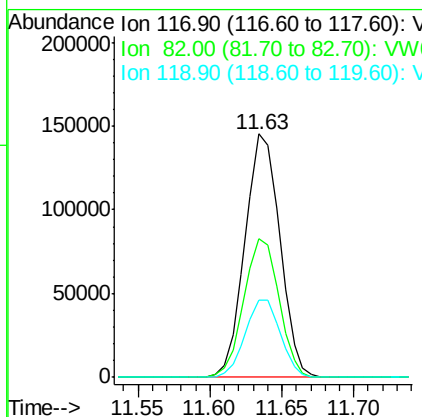
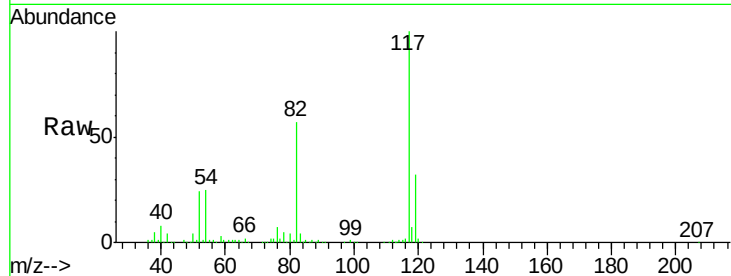
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

Tot Ion	Ratio	Resp	Lower	Upper
117	100	244523		
82	57.0		44.6	67.0
119	31.7		26.7	40.1

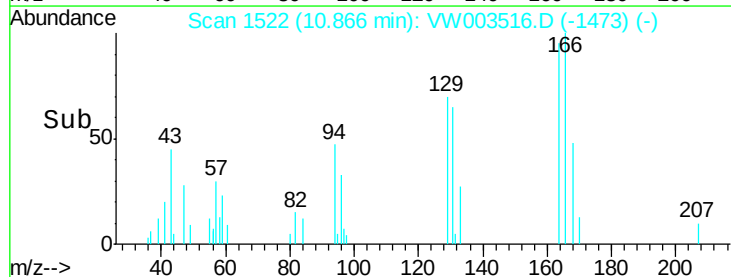
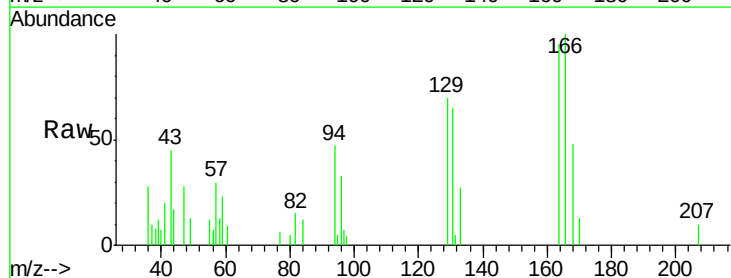
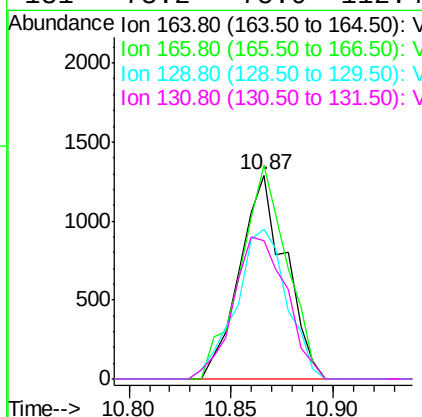
Manual Integrations
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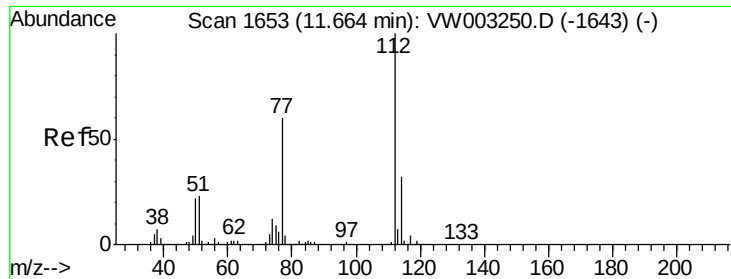
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#64
Tetrachloroethene
Concen: 1.23 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2004		
166	105.0		102.6	154.0
129	73.4		75.2	112.8#
131	73.2		75.0	112.4#





#65

Chlorobenzene

Concen: 15.17 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003516.D

Acq: 24 Jun 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

WP021SB475-25-27-180620

Tot Ion:112 Resp: 77247

Ion Ratio Lower Upper

112 100

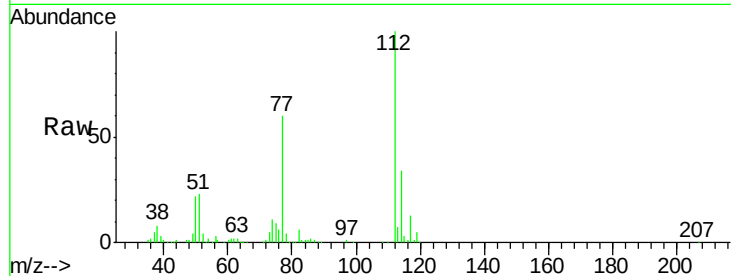
114 33.7 25.9 38.9

Manual Integrations

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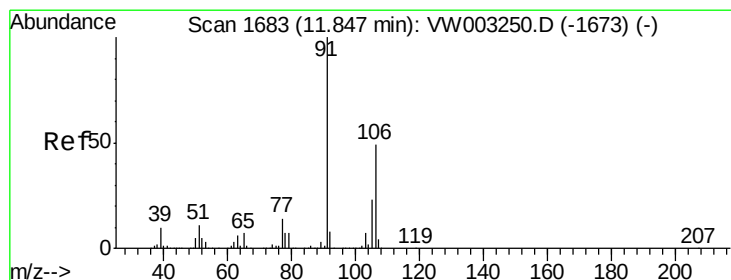
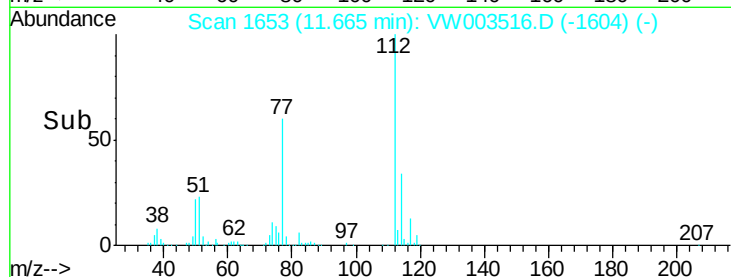
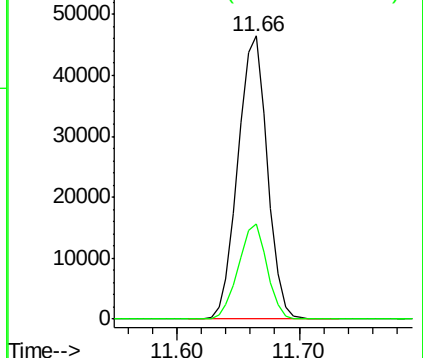
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 1.01 ug/l

RT: 11.85 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW003516.D

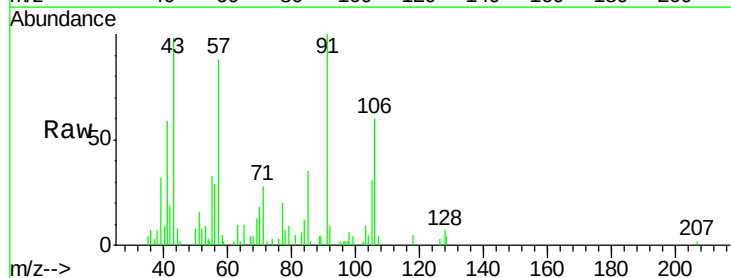
Acq: 24 Jun 2018 17:40

Tgt Ion:106 Resp: 3475

Ion Ratio Lower Upper

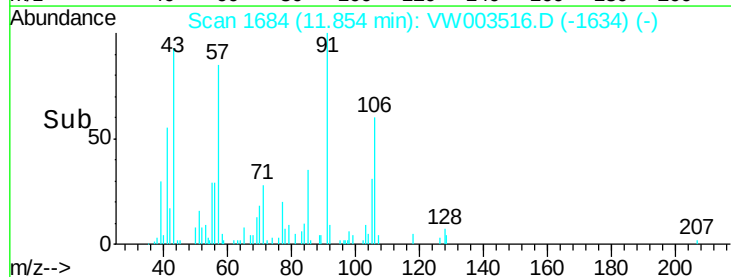
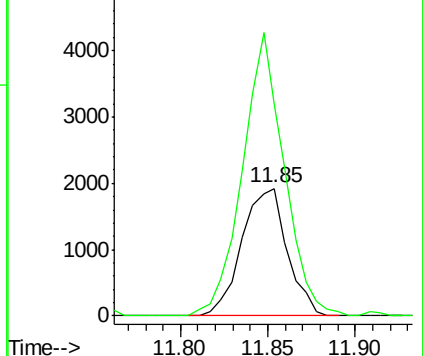
106 100

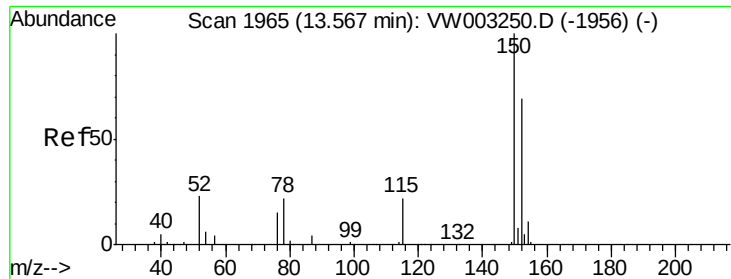
91 202.8 165.4 248.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





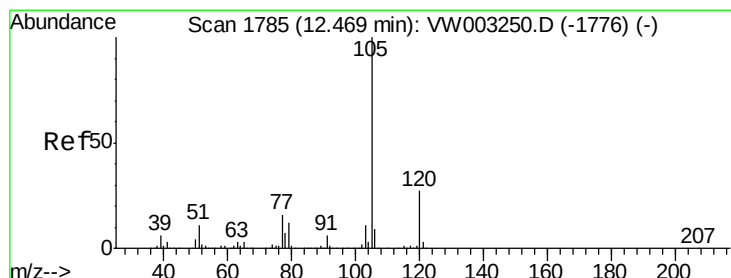
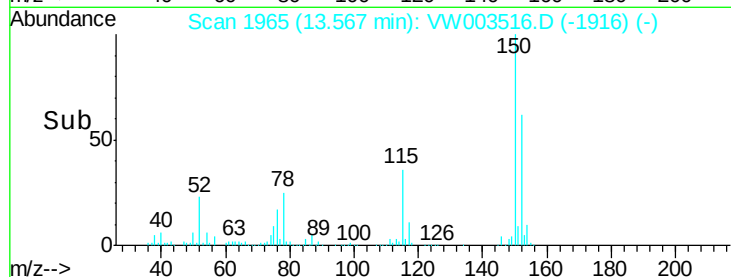
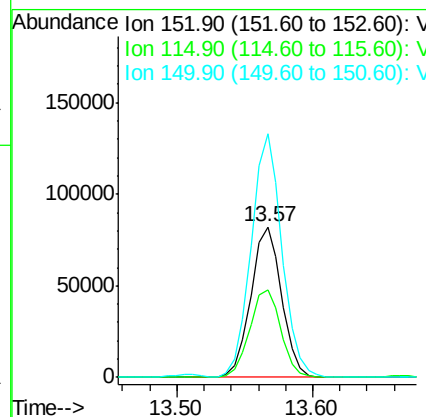
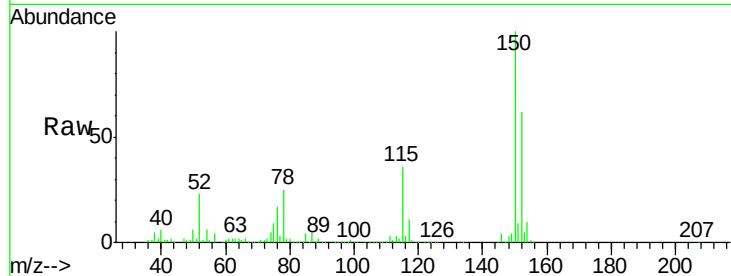
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	88.0
150	161.8	0.0	349.6

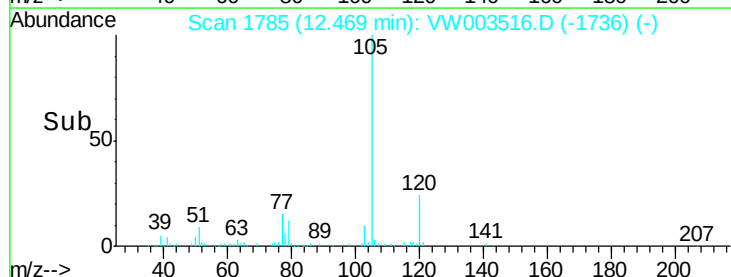
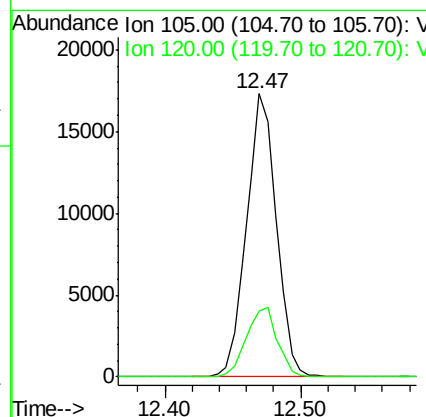
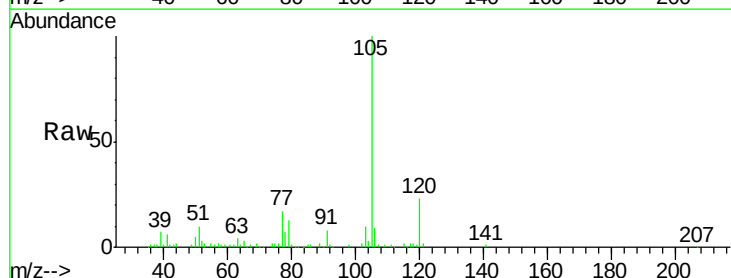
Manual Integrations
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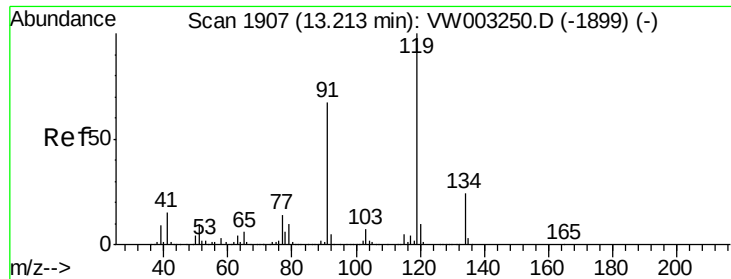
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#73
 Isopropylbenzene
 Concen: 2.94 ug/l
 RT: 12.47 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.6





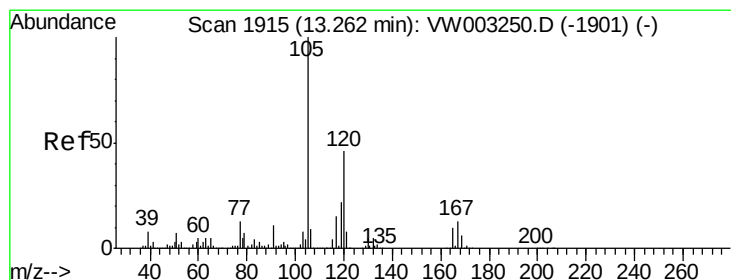
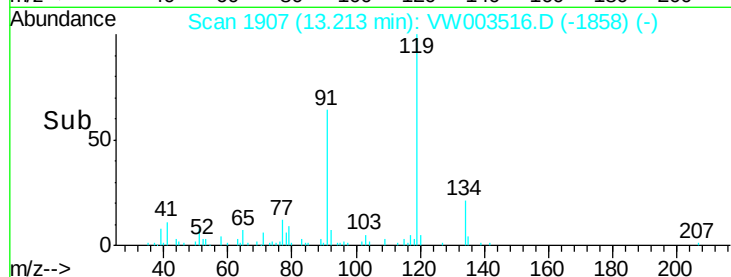
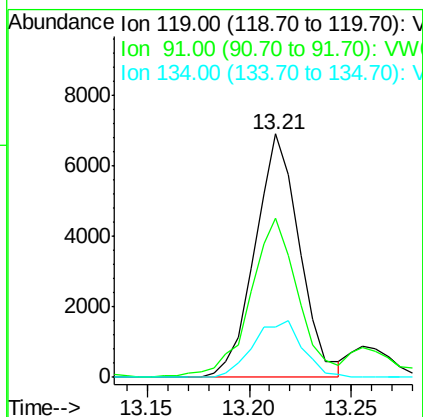
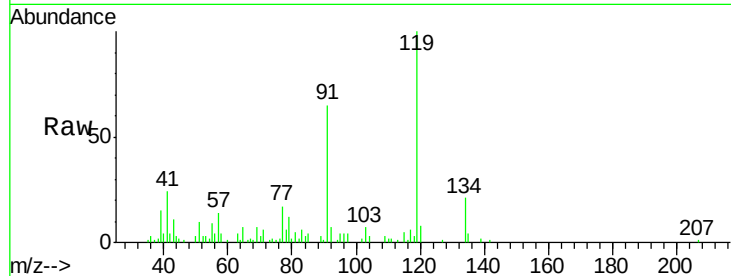
#83
tert-Butylbenzene
Concen: 1.62 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Instrument :
MSVOA_W
ClientSampleId :
WP021SB475-25-27-180620

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	33.9	101.7
134	25.8	13.4	40.1

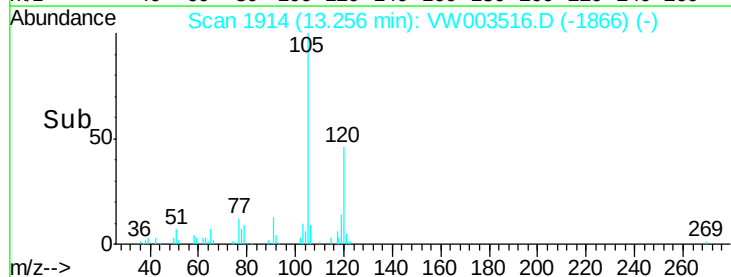
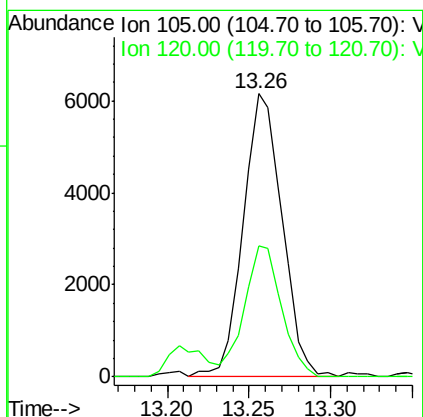
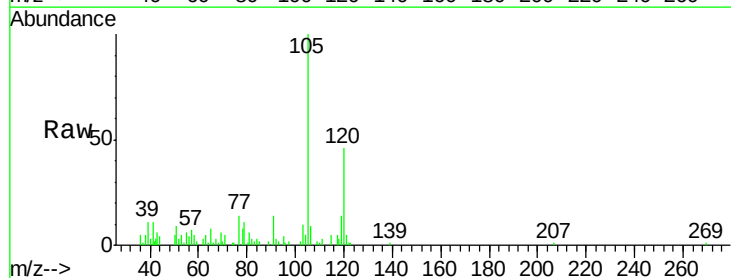
Manual Integrations
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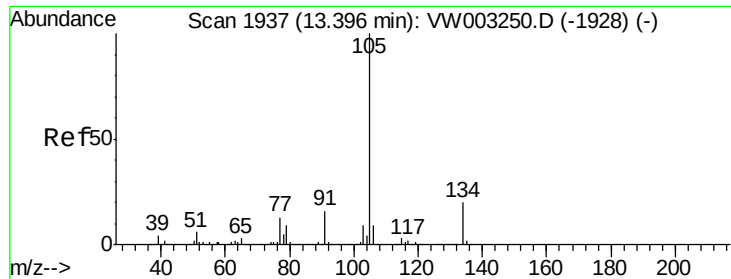
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#84
1,2,4-Trimethylbenzene
Concen: 1.31 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW003516.D
Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.5	67.5





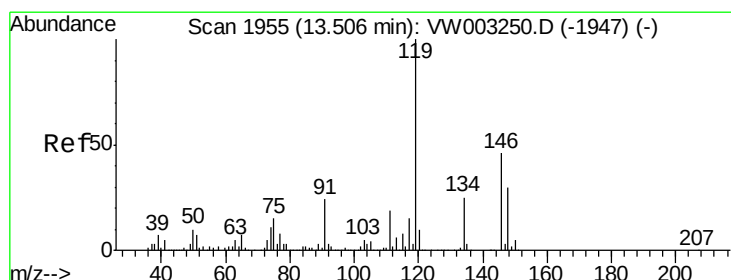
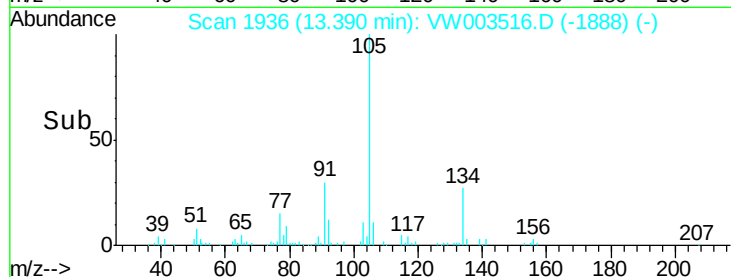
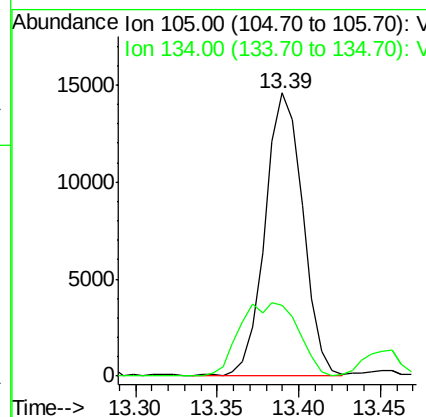
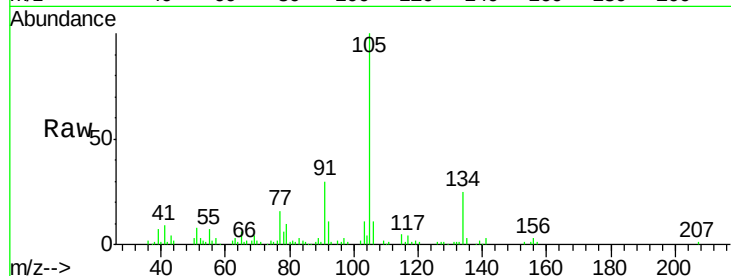
#85
 sec-Butylbenzene
 Concen: 2.45 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion	Ratio	Lower	Upper
105	100		
134	40.0	9.8	29.5#

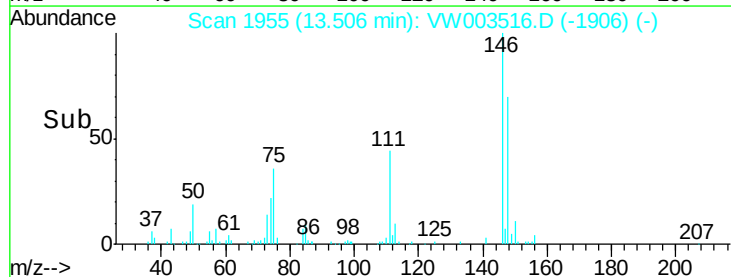
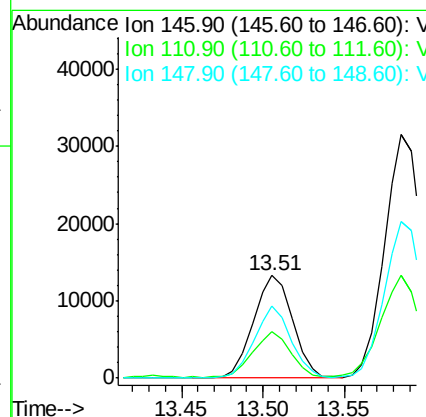
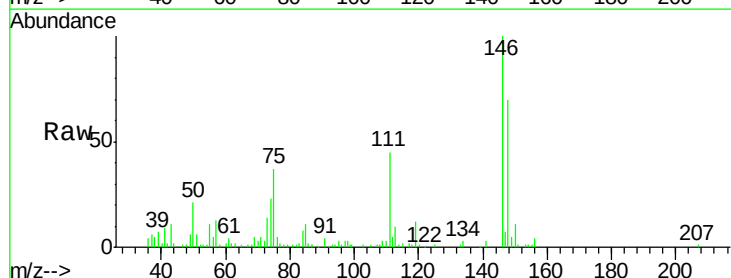
Manual Integrations
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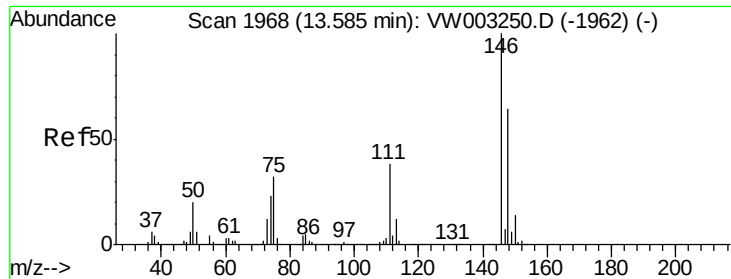
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#87
 1,3-Dichlorobenzene
 Concen: 5.11 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.8	59.4
148	66.0	32.1	96.5





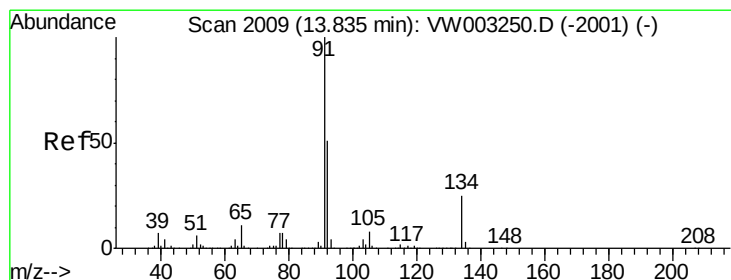
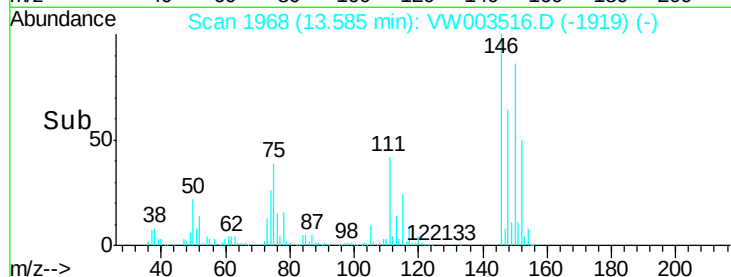
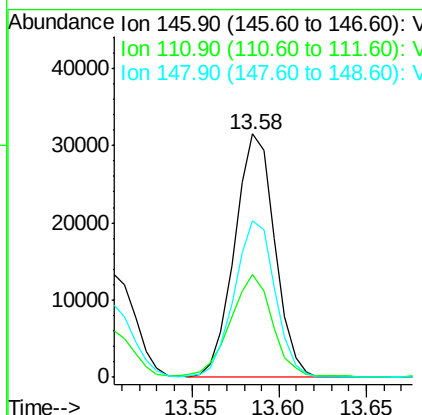
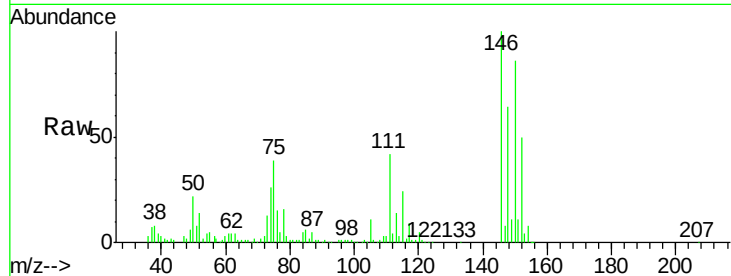
#88
 1,4-Dichlorobenzene
 Concen: 11.73 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.2	57.6
148	65.5	31.8	95.4

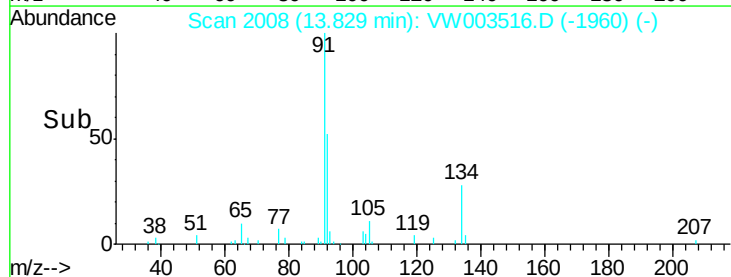
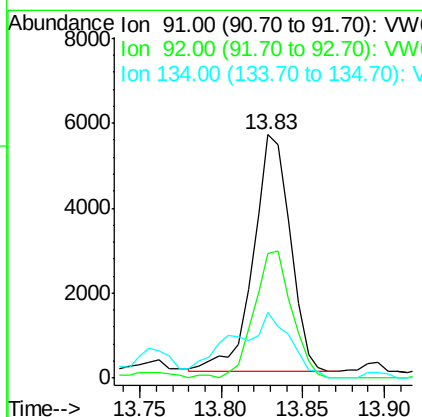
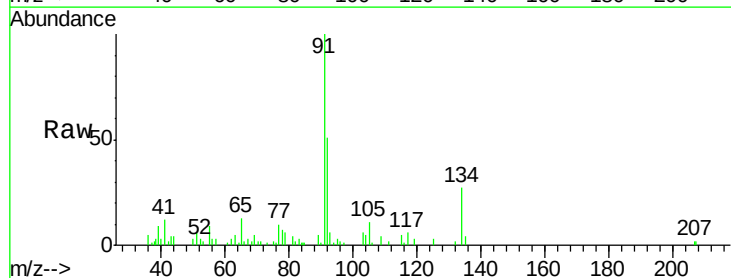
Manual Integrations
 APPROVED

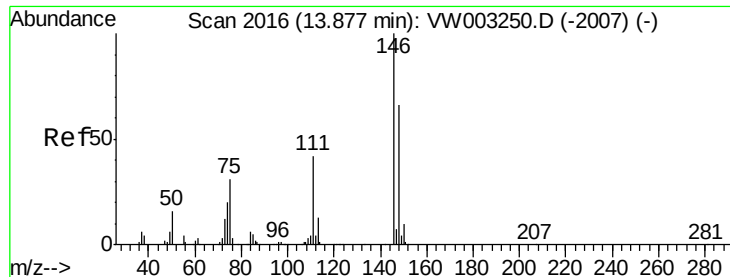
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#89
 n-Butylbenzene
 Concen: 1.05 ug/l
 RT: 13.83 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.0	78.0
134	43.3	12.7	38.0





#91
 1,2-Dichlorobenzene
 Concen: 42.90 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003516.D
 Acq: 24 Jun 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB475-25-27-180620

Tot Ion:	146	Resp:	162601
Ion Ratio		Lower	Upper
146	100		
111	42.3	20.3	61.0
148	64.0	32.3	96.9

Manual Integrations
 APPROVED

apatel
 6/26/2018 3:02:16 PM

