

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003525.D
 Acq On : 24 Jun 2018 21:32
 Operator : SY/AP
 Sample : J3669-27
 Misc : 6.01G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-25-27-180620

Manual Integrations
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Quant Time: Jun 25 01:43:29 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	162261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	115272	65.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.18%	
35) Dibromofluoromethane	7.88	113	98766	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
50) Toluene-d8	10.33	98	362860	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	226691	90.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	180.02%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.36	62	39711	21.98	ug/l	97
16) Acetone	4.15	43	68578	186.05	ug/l	100
20) Methylene Chloride	4.91	84	22731	11.71	ug/l	99
25) 2-Butanone	7.18	43	4596	10.03	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	16989	9.67	ug/l	94
39) Methylcyclohexane	9.34	83	25485	7.90	ug/l #	73
40) Benzene	8.32	78	34908	4.54	ug/l	98
44) Trichloroethene	9.09	130	18543	9.10	ug/l	100
52) Toluene	10.39	92	5787	1.17	ug/l	91
65) Chlorobenzene	11.66	112	1529846	271.29	ug/l	100
83) tert-Butylbenzene	13.21	119	297084	32.37	ug/l	96
85) sec-Butylbenzene	13.39	105	677232	49.65	ug/l #	18
88) 1,4-Dichlorobenzene	13.58	146	154445m	25.31	ug/l	
91) 1,2-Dichlorobenzene	13.88	146	280362	52.15	ug/l #	83

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

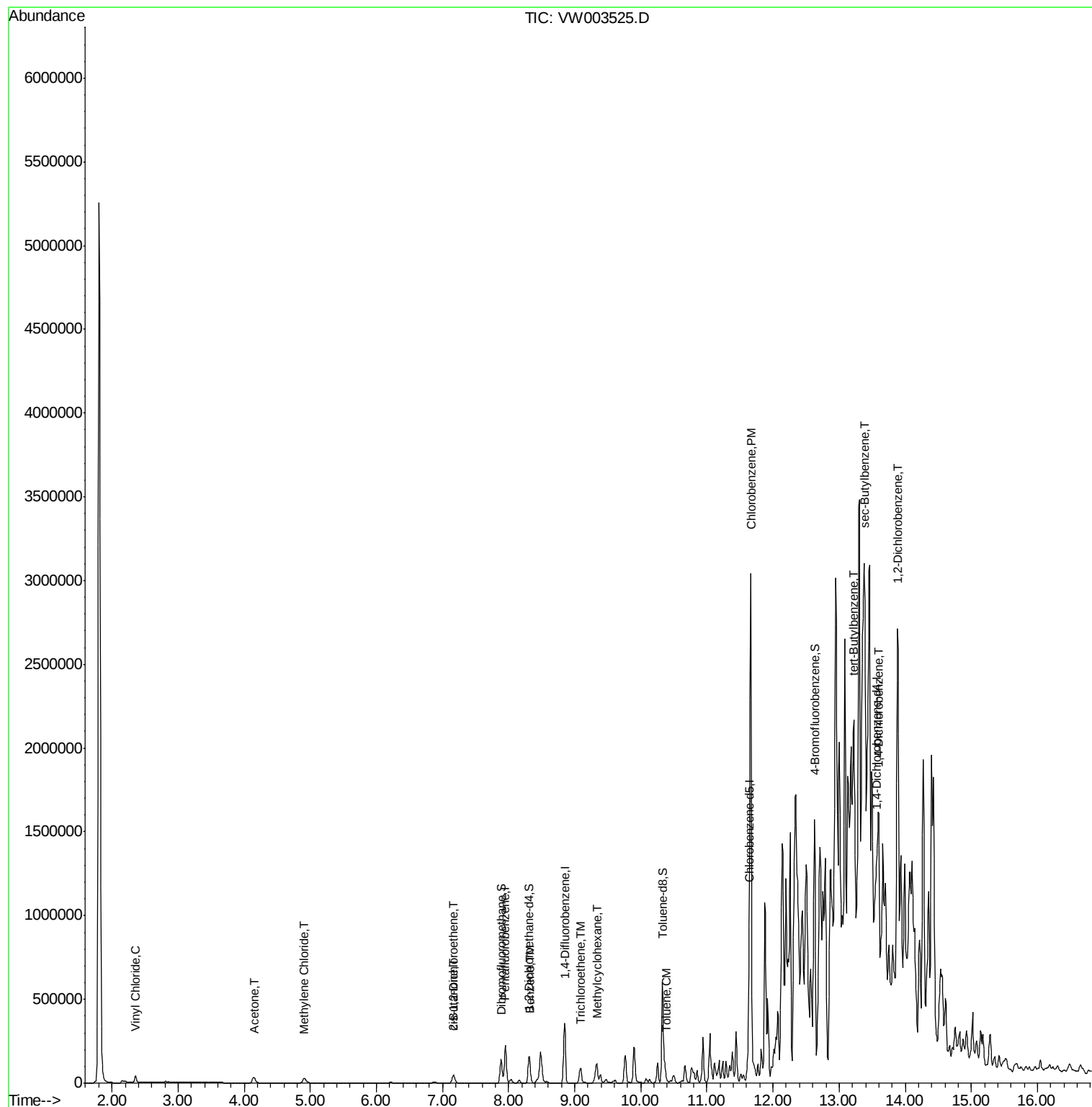
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003525.D
Acq On : 24 Jun 2018 21:32
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Misc : 6.01G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

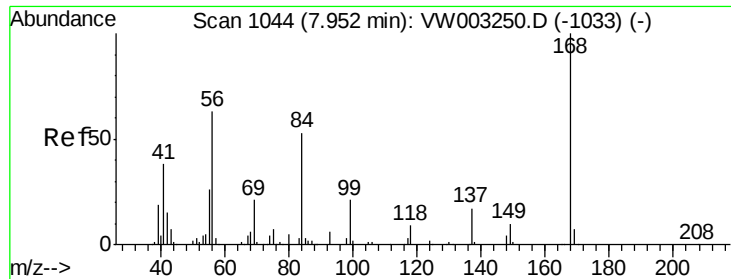
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

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Quant Time: Jun 25 01:43:29 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: VW003525.D

Acq: 24 Jun 2018 21:32

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-25-27-180620

Tot Ion:168 Resp: 162261

Ion Ratio Lower Upper

168 100

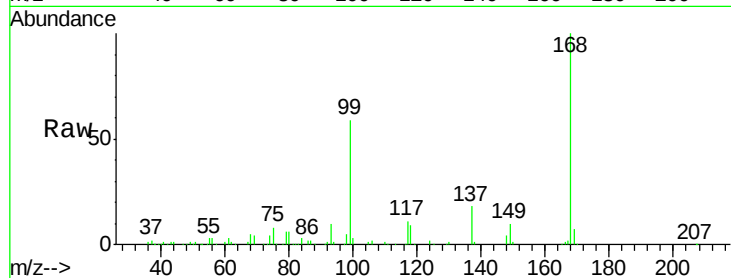
99 59.3 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

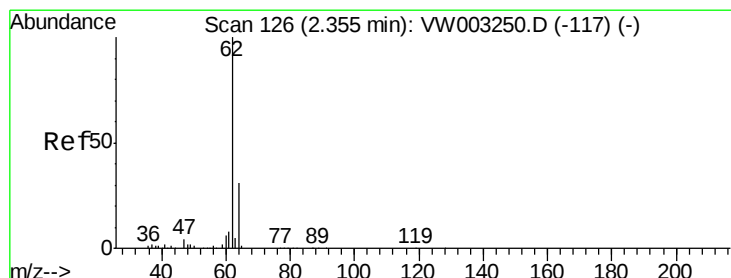
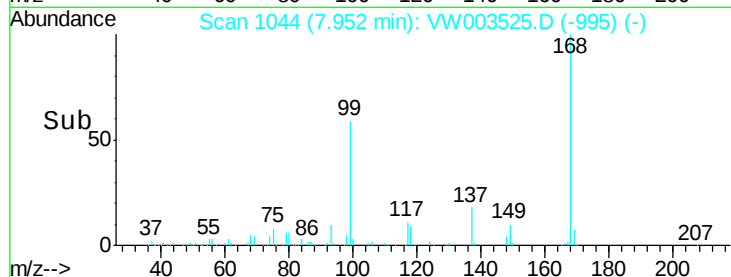
40000

20000

0

7.90 8.00

Time-->



#4

Vinyl Chloride

Concen: 21.98 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003525.D

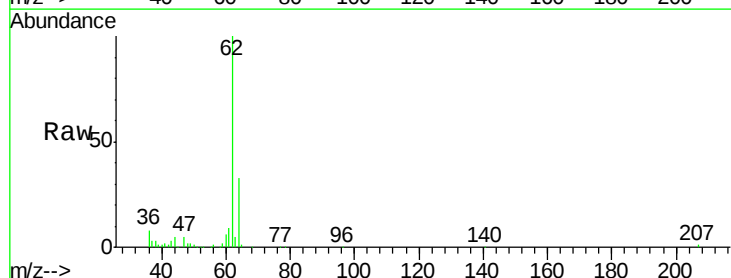
Acq: 24 Jun 2018 21:32

Tgt Ion: 62 Resp: 39711

Ion Ratio Lower Upper

62 100

64 32.9 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

25000

20000

15000

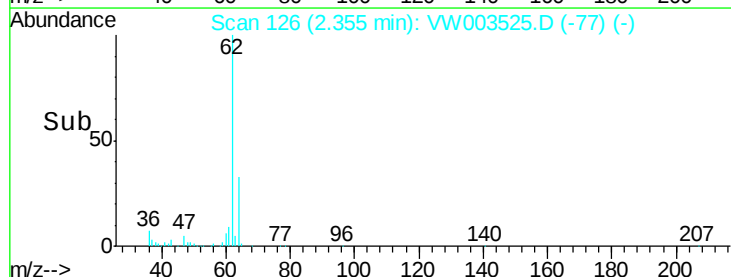
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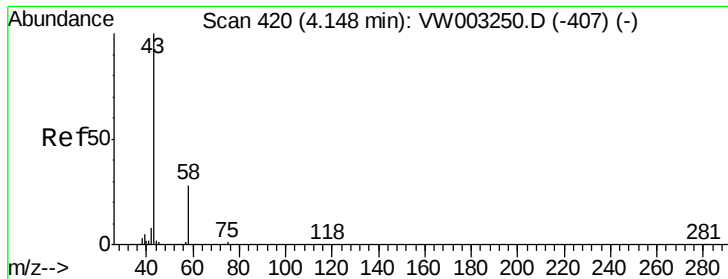
5000

0

2.30 2.40

Time-->





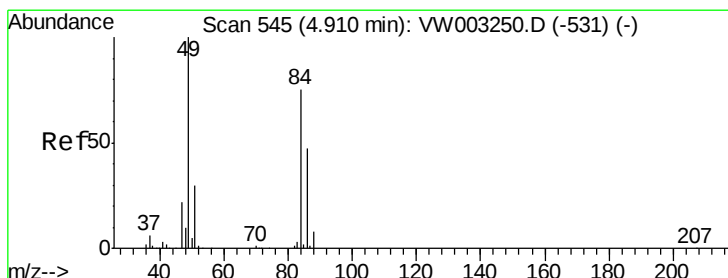
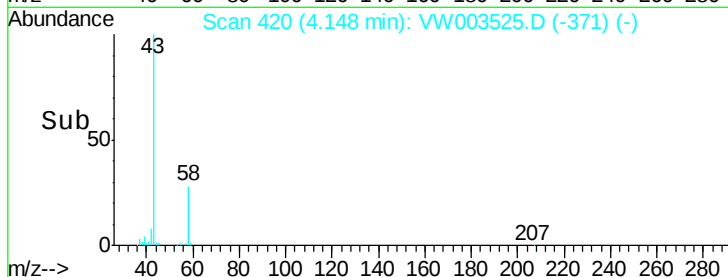
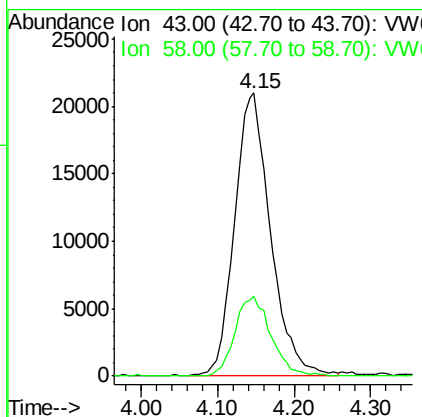
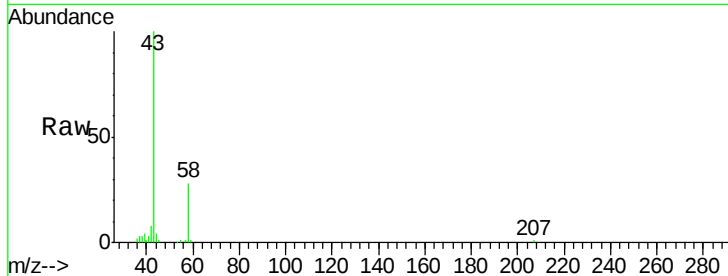
#16
Acetone
Concen: 186.05 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

Tot Ion: 43 Resp: 68578
Ion Ratio Lower Upper
43 100
58 28.1 22.6 34.0

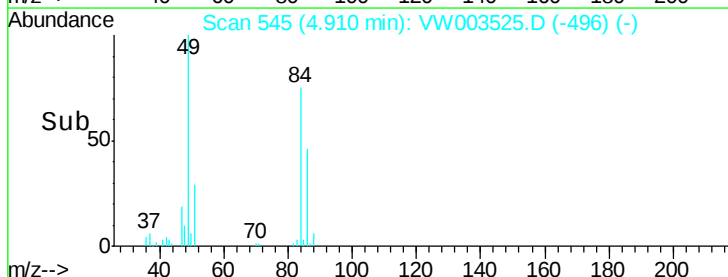
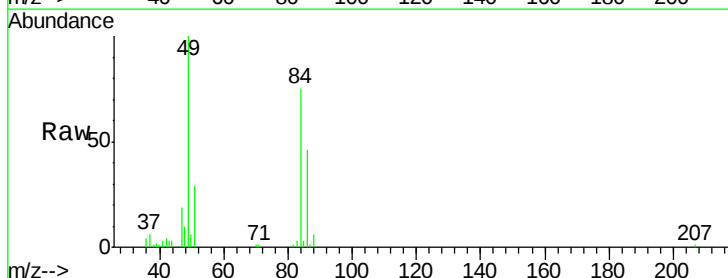
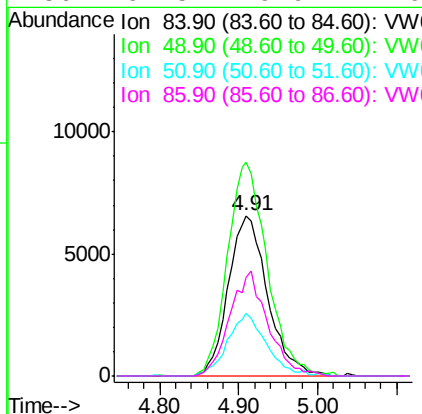
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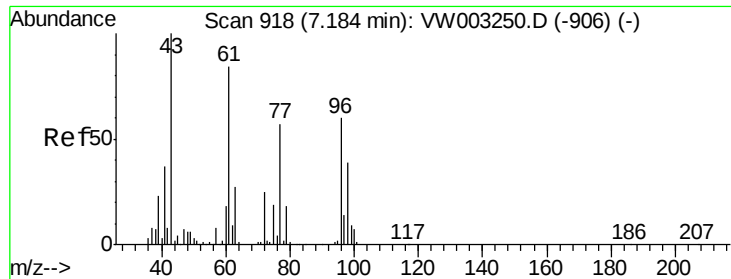
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#20
Methylene Chloride
Concen: 11.71 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Tgt Ion: 84 Resp: 22731
Ion Ratio Lower Upper
84 100
49 133.1 106.3 159.5
51 39.1 32.0 48.0
86 61.5 49.9 74.9





#25

2-Butanone

Concen: 10.03 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003525.D

Acq: 24 Jun 2018 21:32

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-25-27-180620

Tot Ion: 43 Resp: 4596

Ion Ratio Lower Upper

43 100

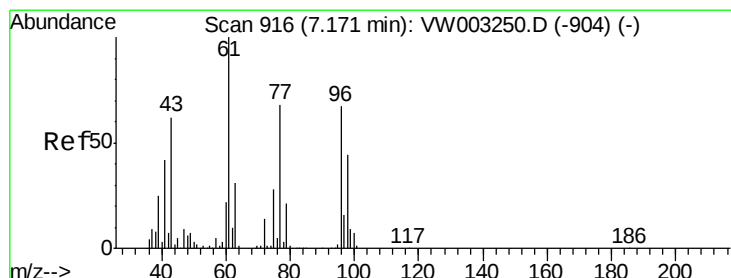
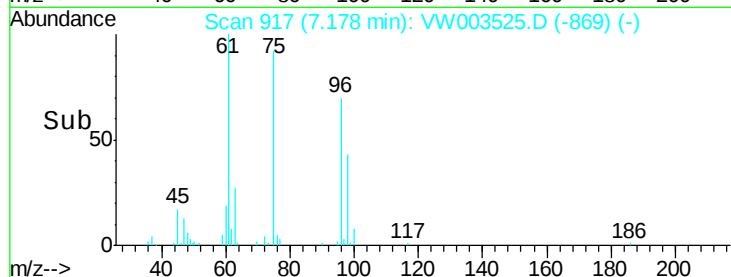
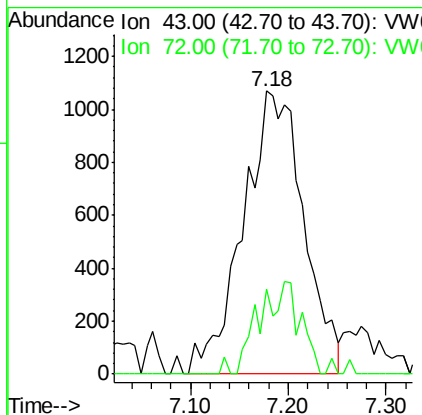
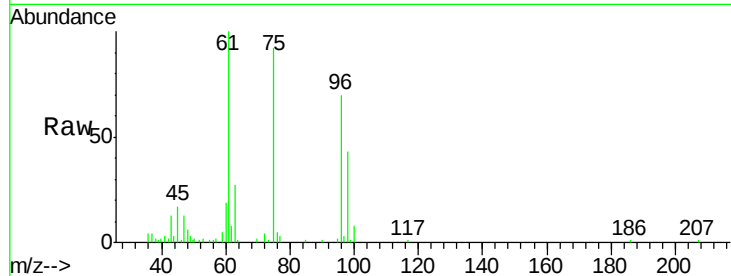
72 29.8 20.3 30.5

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#27

cis-1,2-Dichloroethene

Concen: 9.67 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003525.D

Acq: 24 Jun 2018 21:32

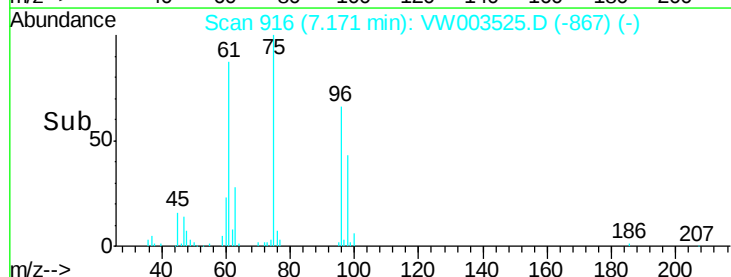
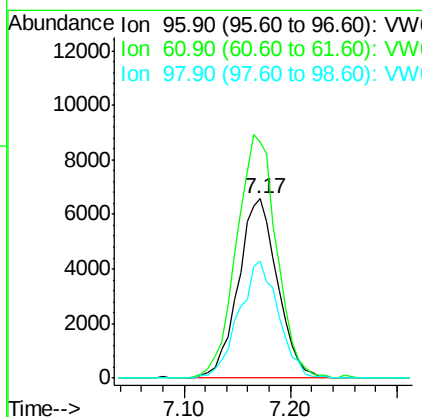
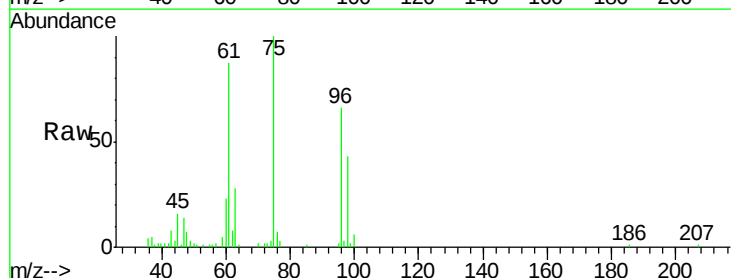
Tgt Ion: 96 Resp: 16989

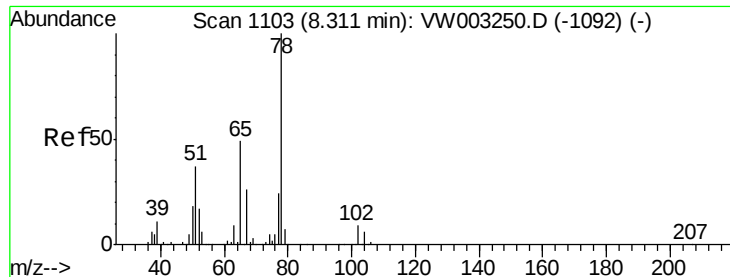
Ion Ratio Lower Upper

96 100

61 138.9 0.0 298.8

98 65.8 0.0 130.4





#33

1,2-Dichloroethane-d4

Concen: 65.59 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003525.D

Acq: 24 Jun 2018 21:32

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-25-27-180620

Tot Ion: 65 Resp: 115272

Ion Ratio Lower Upper

65 100

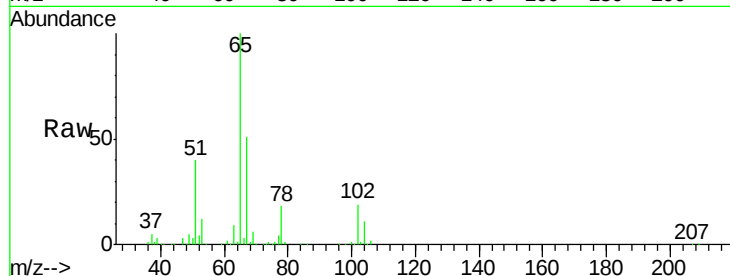
67 51.2 0.0 104.2

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

50000

40000

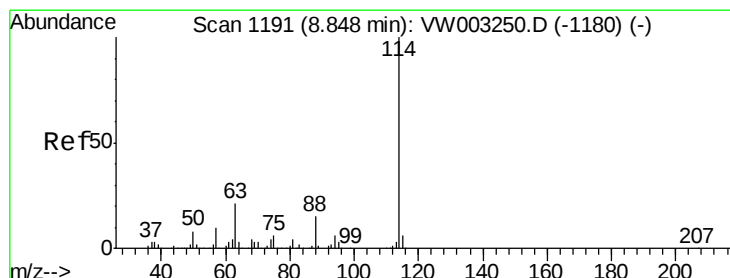
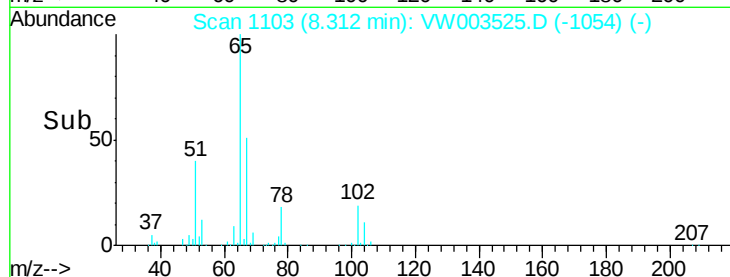
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003525.D

Acq: 24 Jun 2018 21:32

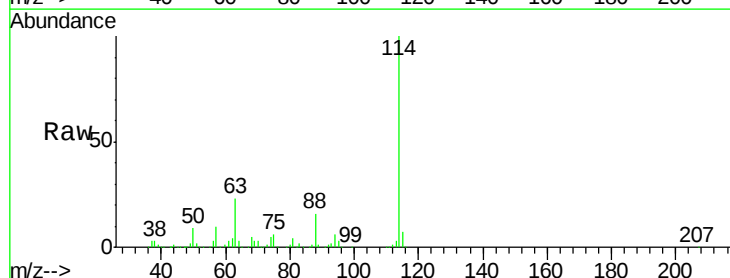
Tgt Ion: 114 Resp: 288842

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.0

88 16.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

200000

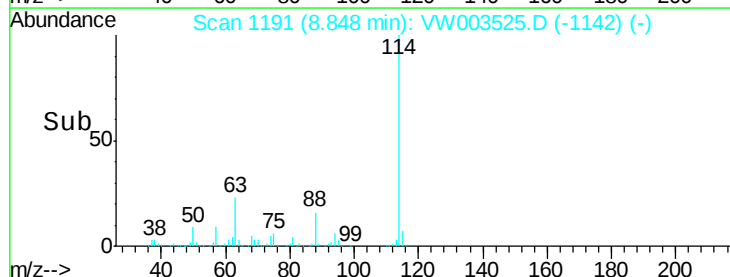
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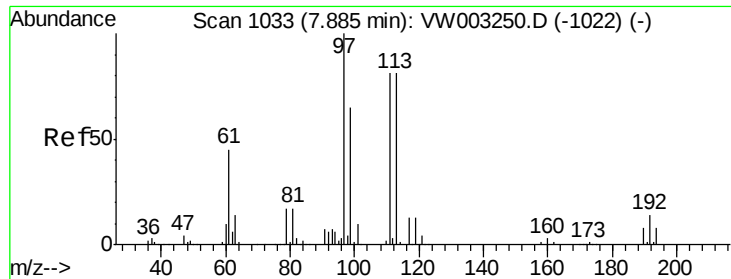
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50000

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Time-->





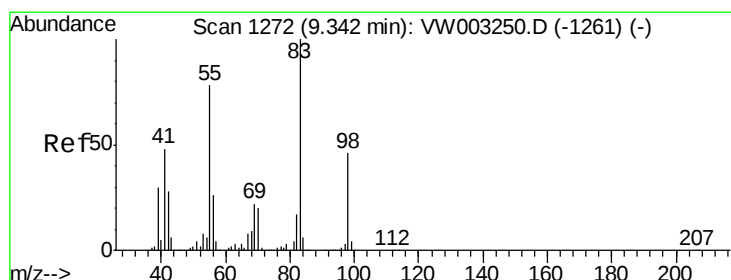
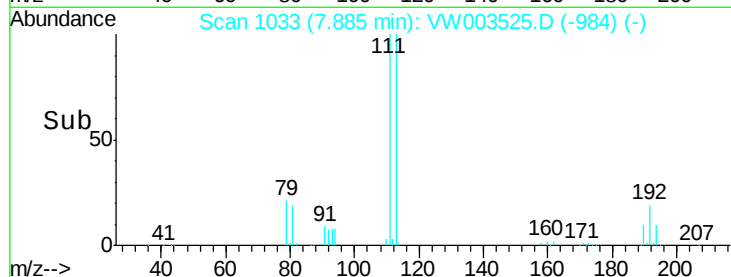
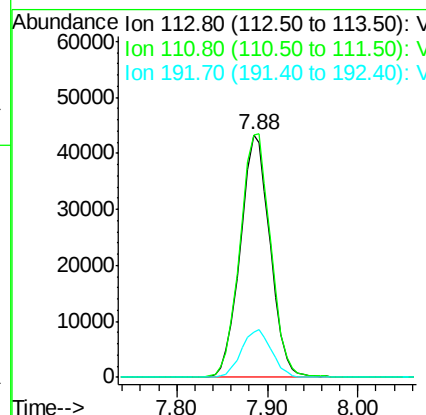
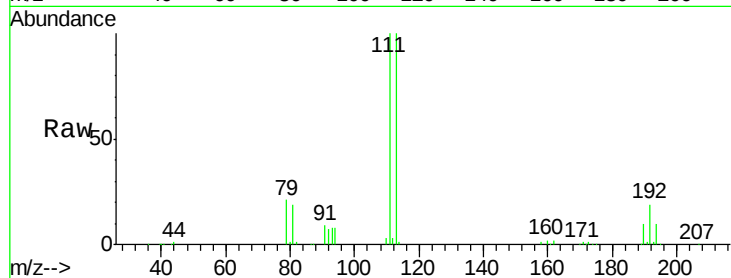
#35
 Dibromofluoromethane
 Concen: 55.03 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003525.D
 Acq: 24 Jun 2018 21:32

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-25-27-180620

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	19.9	16.2	24.2

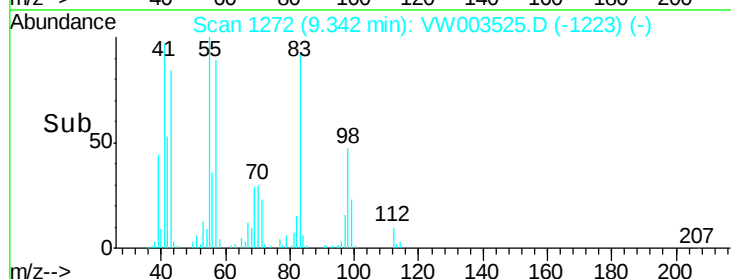
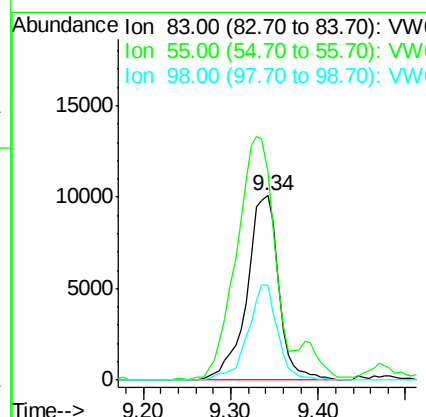
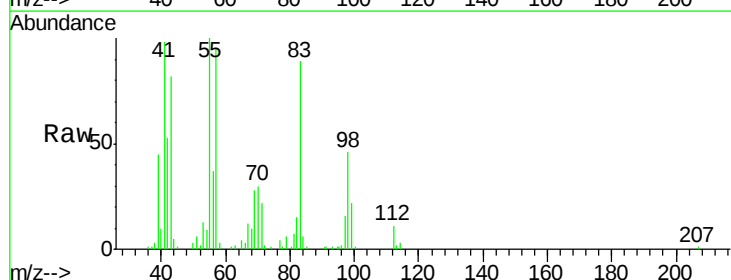
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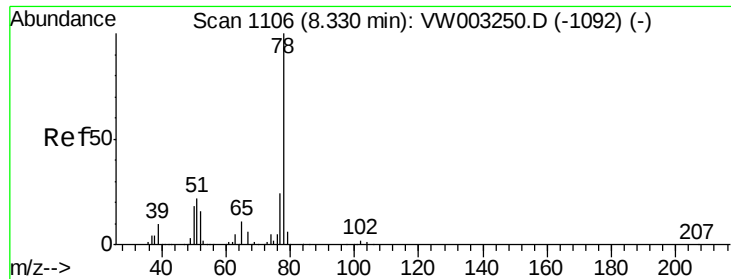
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#39
 Methylcyclohexane
 Concen: 7.90 ug/l
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW003525.D
 Acq: 24 Jun 2018 21:32

Tgt Ion	Ratio	Lower	Upper
83	100		
55	111.6	62.6	93.8#
98	51.5	37.0	55.4





#40

Benzene

Concen: 4.54 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003525.D

Acq: 24 Jun 2018 21:32

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-25-27-180620

Tot Ion: 78 Resp: 34908

Ion Ratio Lower Upper

78 100

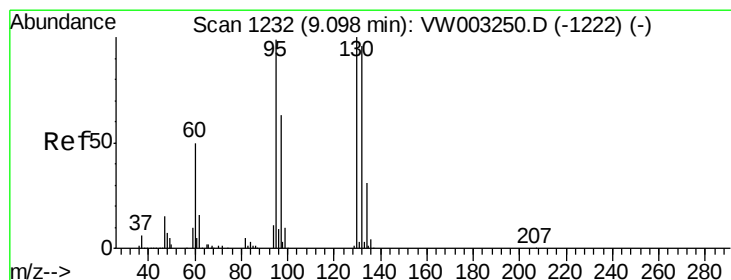
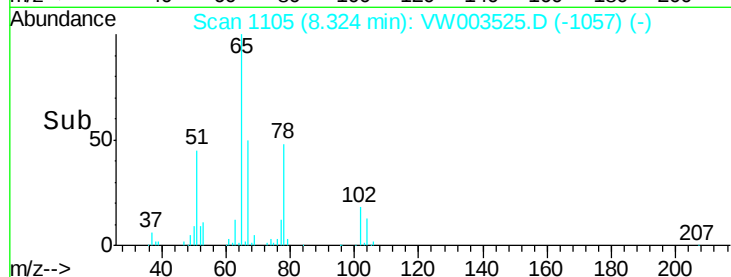
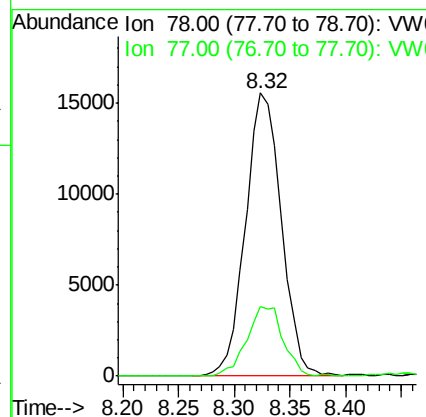
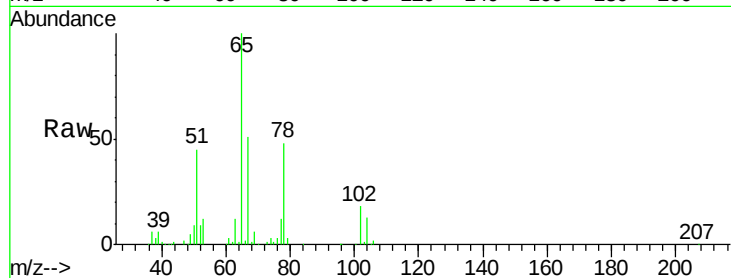
77 24.6 19.0 28.6

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#44

Trichloroethene

Concen: 9.10 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003525.D

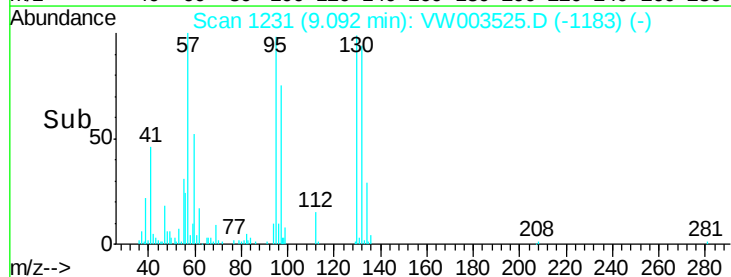
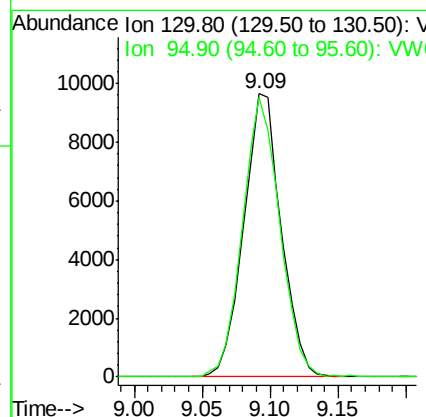
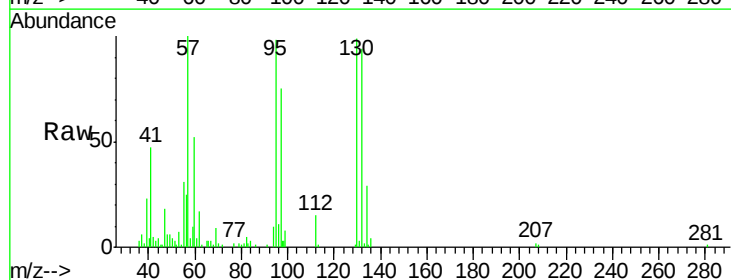
Acq: 24 Jun 2018 21:32

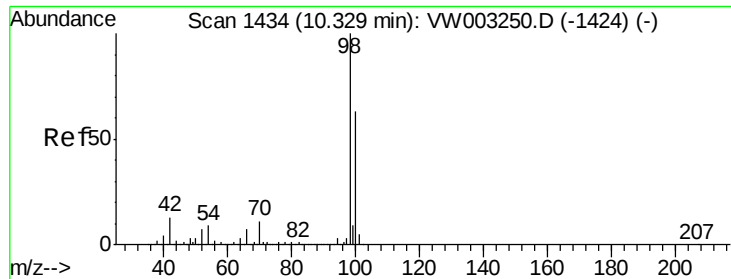
Tgt Ion: 130 Resp: 18543

Ion Ratio Lower Upper

130 100

95 98.5 0.0 198.0





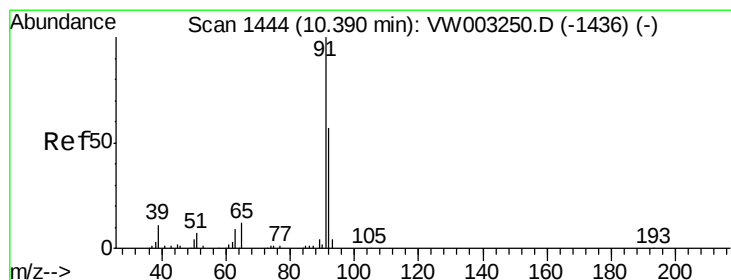
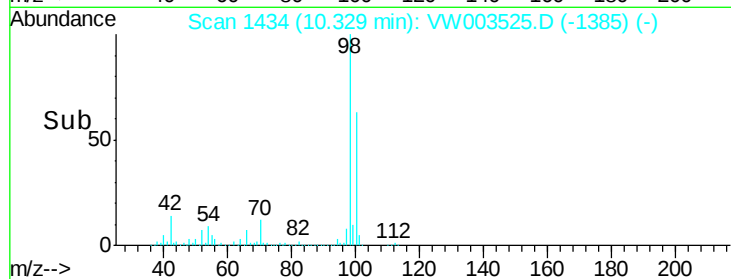
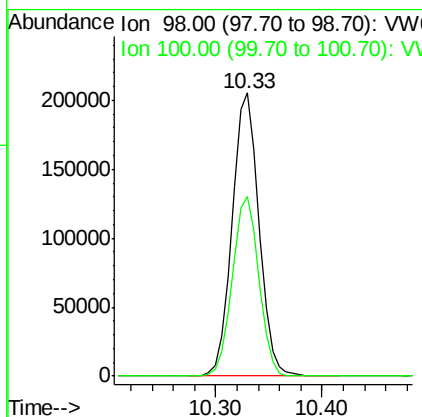
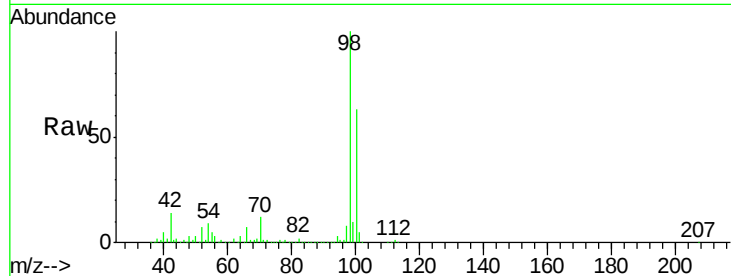
#50
Toluene-d8
Concen: 50.99 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

Tot Ion: 98 Resp: 362860
Ion Ratio Lower Upper
98 100
100 62.7 50.8 76.2

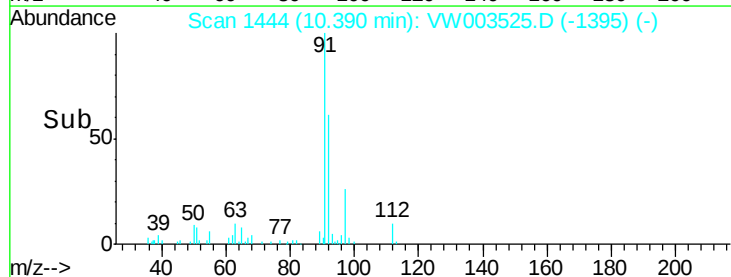
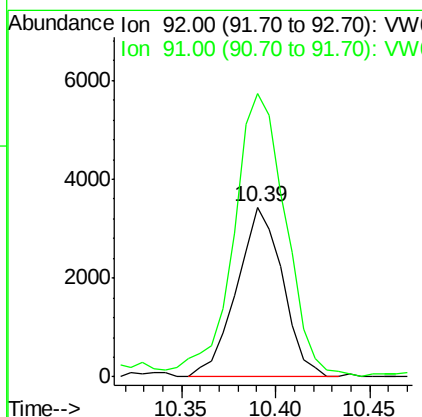
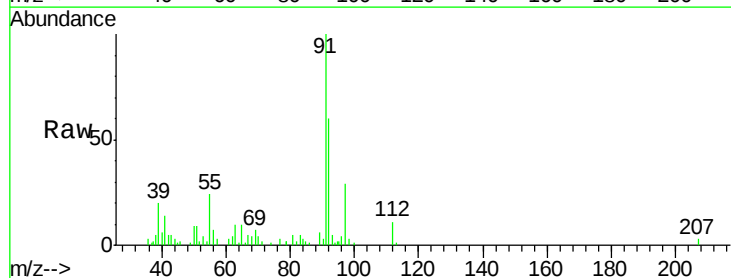
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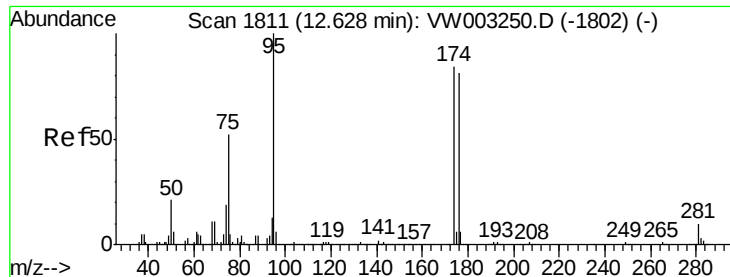
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#52
Toluene
Concen: 1.17 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Tgt Ion: 92 Resp: 5787
Ion Ratio Lower Upper
92 100
91 189.4 141.1 211.7





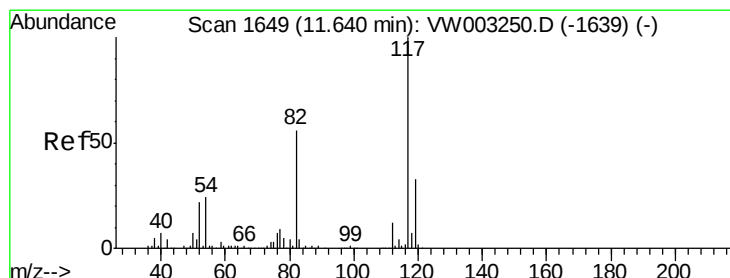
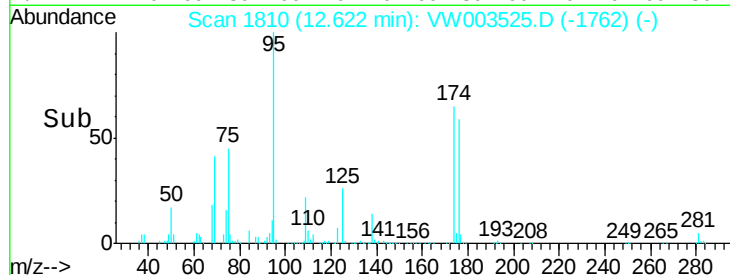
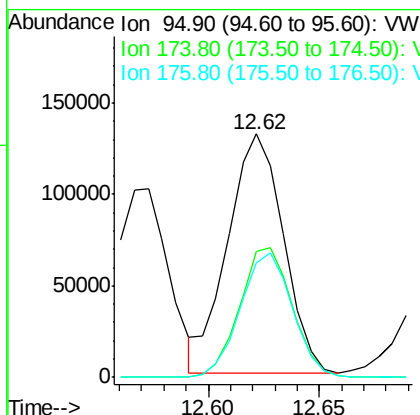
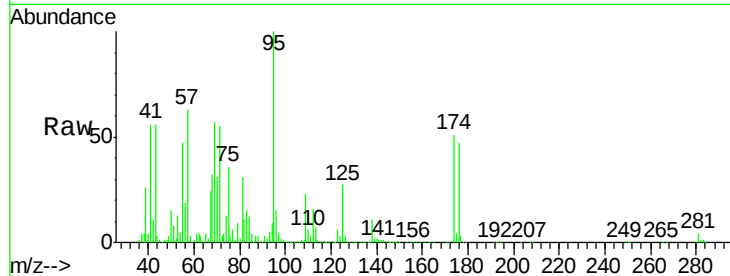
#62
4-Bromofluorobenzene
Concen: 90.01 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

Tot Ion	Ratio	Resp	Lower	Upper
95	100	226691		
174	51.4	0.0	166.4	
176	48.9	0.0	162.0	

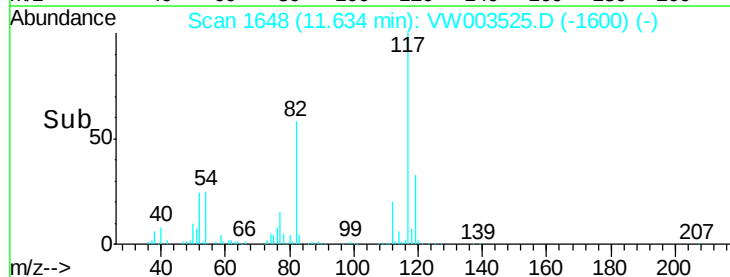
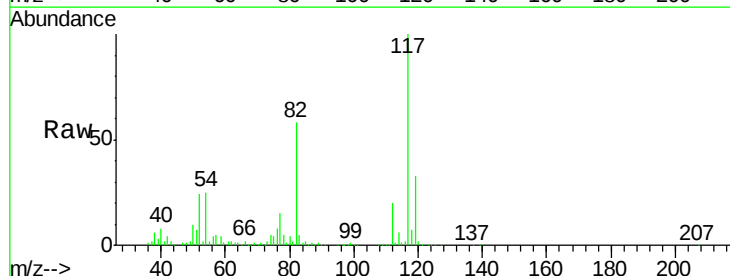
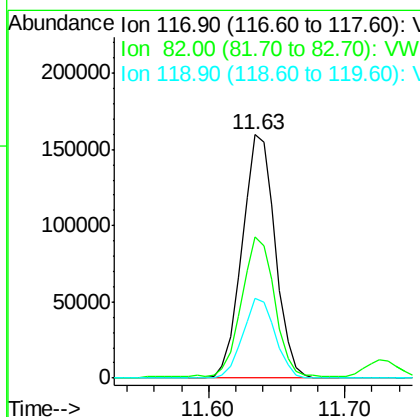
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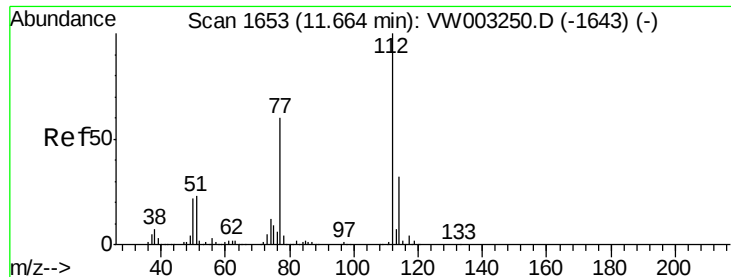
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	270802		
82	57.7	44.6	67.0	
119	32.6	26.7	40.1	





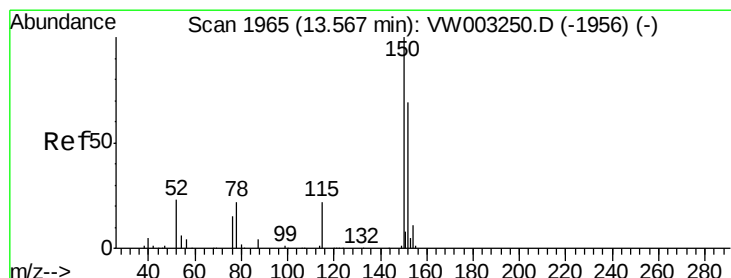
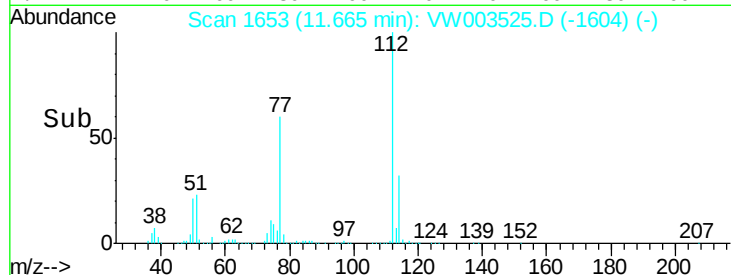
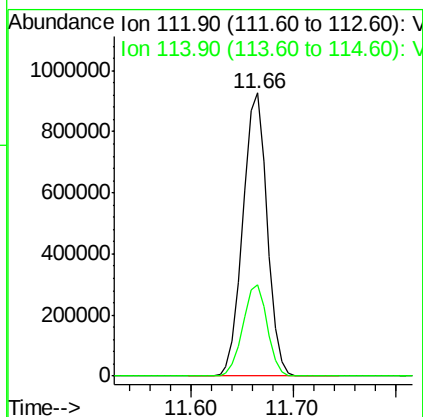
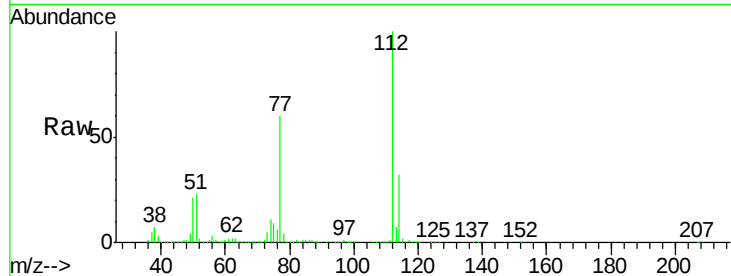
#65
Chlorobenzene
Concen: 271.29 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

Tot Ion:112 Resp: 1529846
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

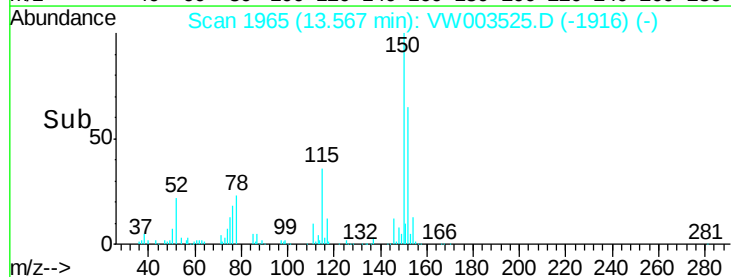
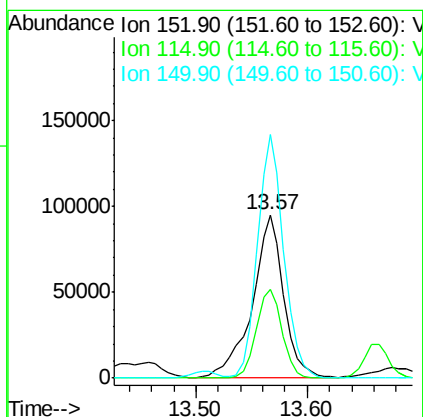
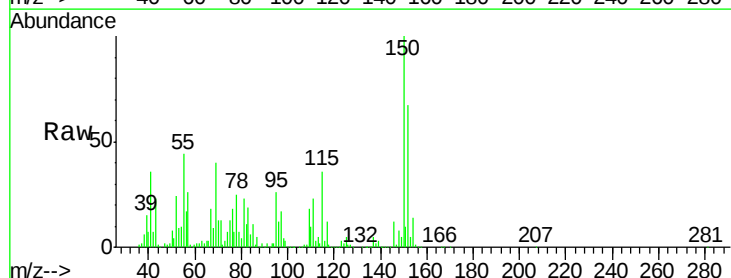
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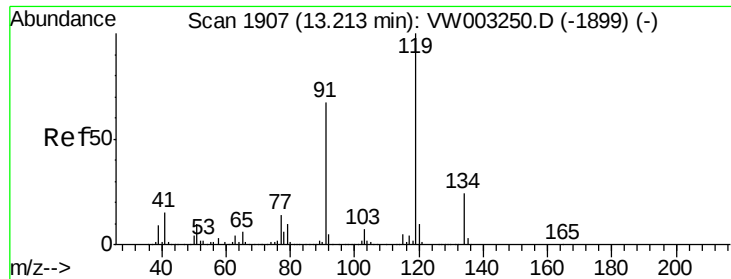
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Tgt Ion:152 Resp: 184451
Ion Ratio Lower Upper
152 100
115 44.5 29.3 88.0
150 126.5 0.0 349.6





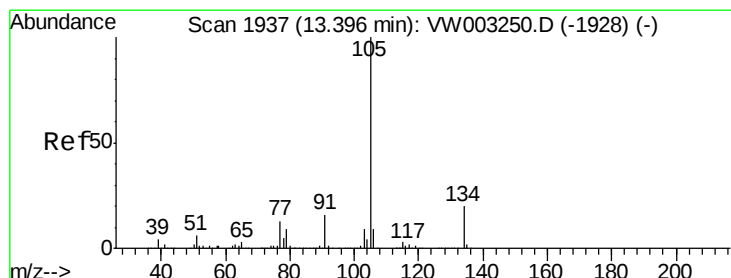
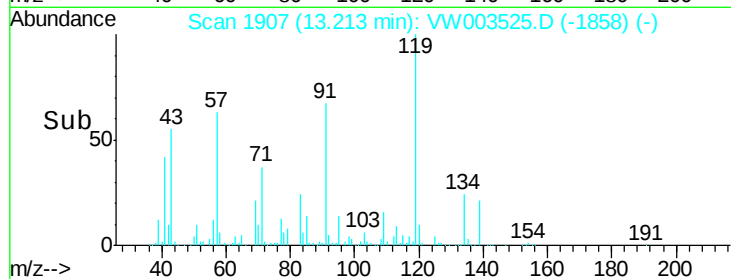
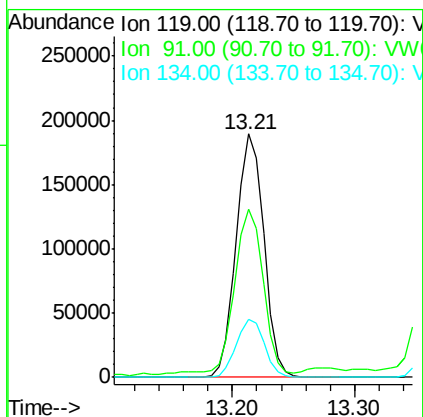
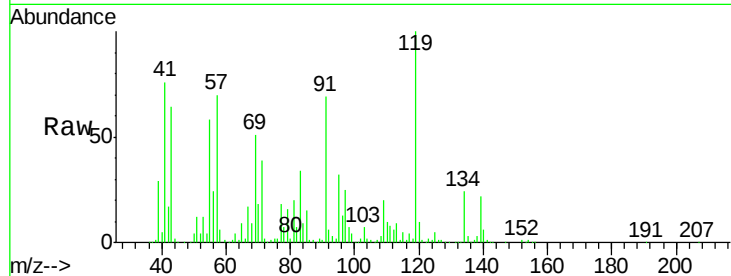
#83
tert-Butylbenzene
Concen: 32.37 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-25-27-180620

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	33.9	101.7
134	24.2	13.4	40.1

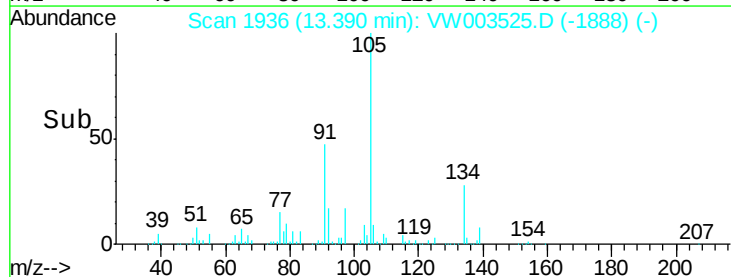
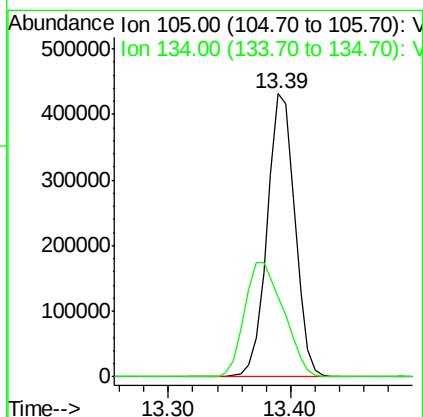
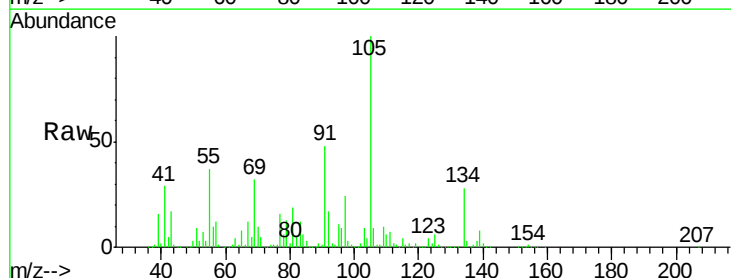
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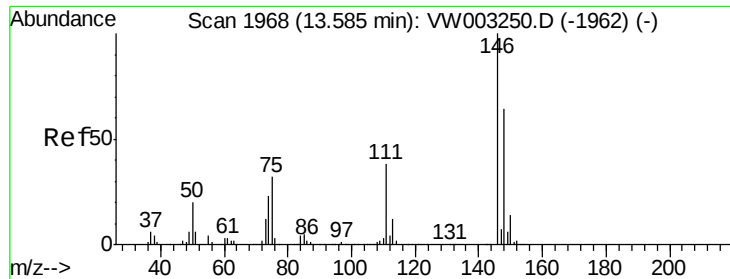
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#85
sec-Butylbenzene
Concen: 49.65 ug/l
RT: 13.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VW003525.D
Acq: 24 Jun 2018 21:32

Tgt Ion	Ratio	Lower	Upper
105	100		
134	57.0	9.8	29.5#





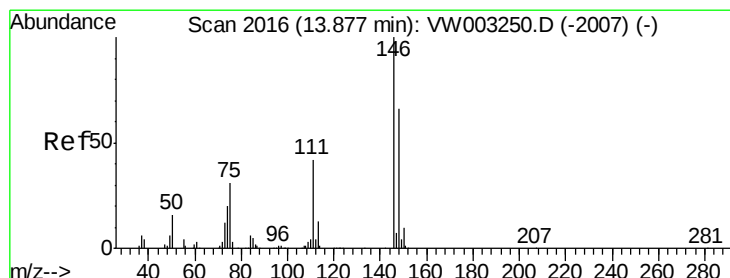
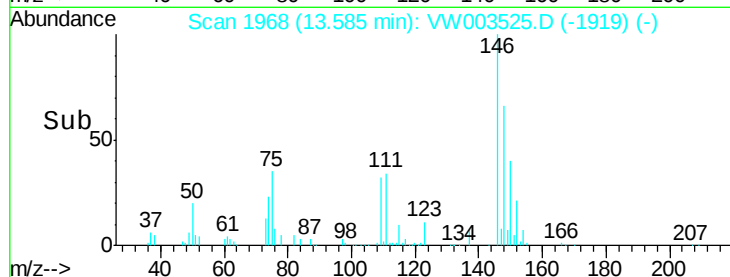
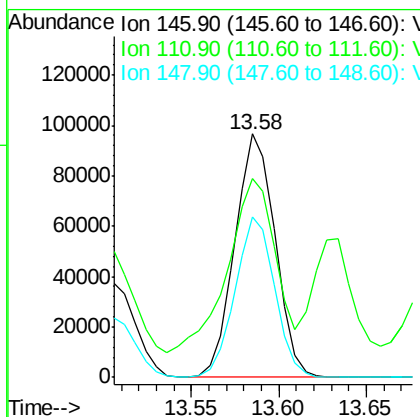
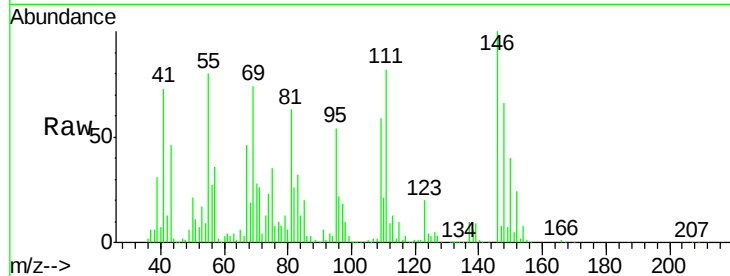
#88
 1,4-Dichlorobenzene
 Concen: 25.31 ug/l m
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003525.D
 Acq: 24 Jun 2018 21:32

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-25-27-180620

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.2	57.6#
148	0.0	31.8	95.4#

Manual Integrations
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#91
 1,2-Dichlorobenzene
 Concen: 52.15 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003525.D
 Acq: 24 Jun 2018 21:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	67.7	20.3	61.0#
148	63.9	32.3	96.9

