

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003472.D
 Acq On : 23 Jun 2018 20:20
 Operator : SY/AP
 Sample : J3664-15
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-25-27-180619

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Quant Time: Jun 27 17:52:15 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	174597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	303121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	150329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	89818	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
35) Dibromofluoromethane	7.88	113	75265	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	
50) Toluene-d8	10.33	98	290228	38.86	ug/l	0.00
Spiked Amount			Recovery	=	77.72%	
62) 4-Bromofluorobenzene	12.62	95	162701	61.56	ug/l	0.00
Spiked Amount			Recovery	=	123.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	109380	275.77	ug/l	100
17) Carbon Disulfide	4.37	76	13638	2.92	ug/l	99
20) Methylene Chloride	4.90	84	9687	2.24	ug/l	95
25) 2-Butanone	7.19	43	35057	71.08	ug/l	94
31) Cyclohexane	7.95	56	14432	4.72	ug/l #	64
39) Methylcyclohexane	9.34	83	206090	60.84	ug/l	96
40) Benzene	8.33	78	19198	2.38	ug/l	97
65) Chlorobenzene	11.66	112	656089	124.50	ug/l	100
67) Ethyl Benzene	11.74	91	12298	1.32	ug/l	97
69) o-Xylene	12.17	106	7562m	2.30	ug/l	
73) Isopropylbenzene	12.48	105	44556	4.26	ug/l	89
78) n-propylbenzene	12.81	91	45242	3.53	ug/l	86
83) tert-Butylbenzene	13.21	119	133580	17.86	ug/l	90
85) sec-Butylbenzene	13.39	105	1033992	93.01	ug/l #	50
88) 1,4-Dichlorobenzene	13.58	146	57275m	11.52	ug/l	
89) n-Butylbenzene	13.83	91	1032266	108.00	ug/l #	76

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

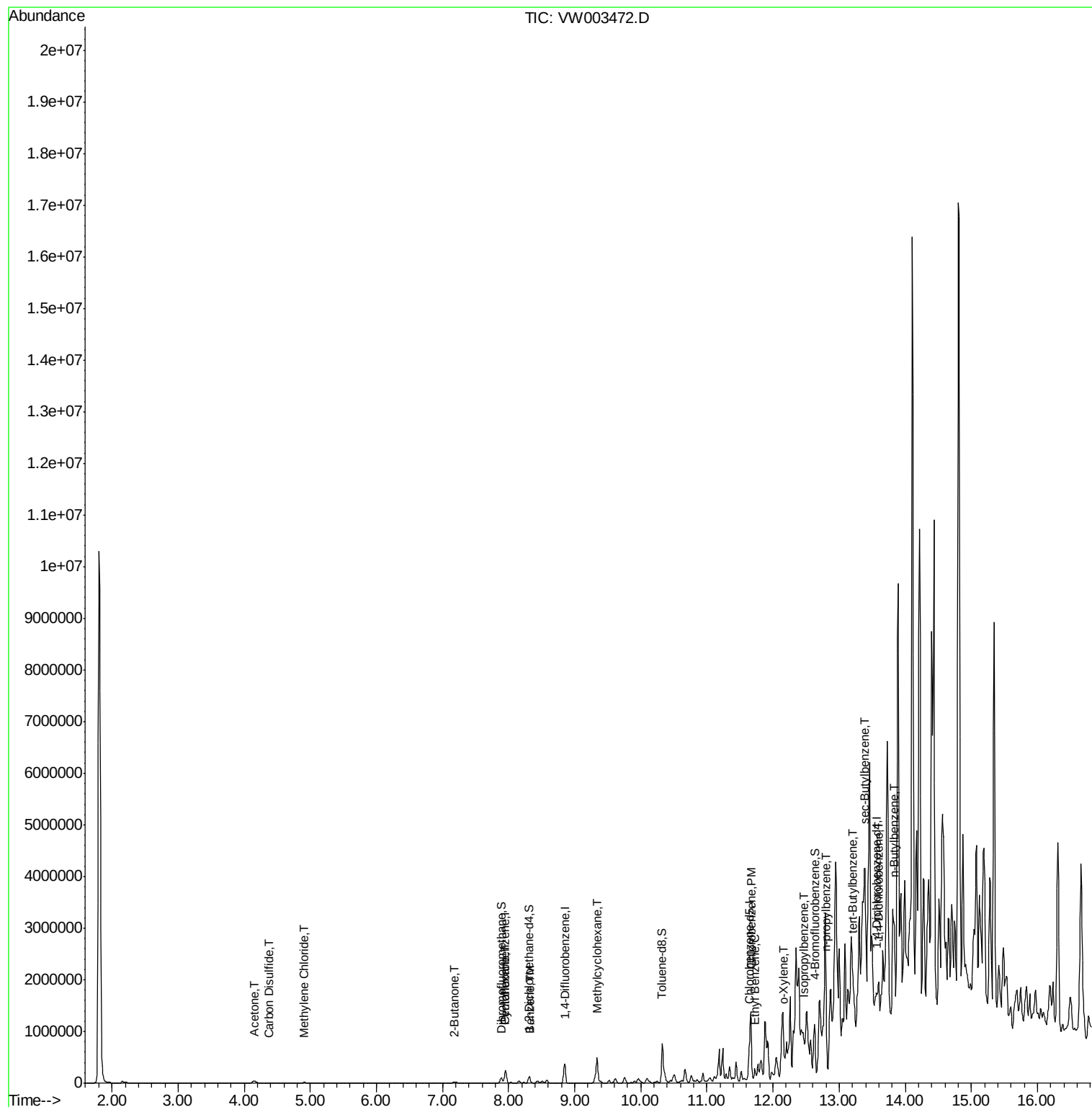
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062318\
Data File : VW003472.D
Acq On : 23 Jun 2018 20:20
Operator : SY/AP
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Misc : 5.33G/5ML/MSVOA W/SOIL
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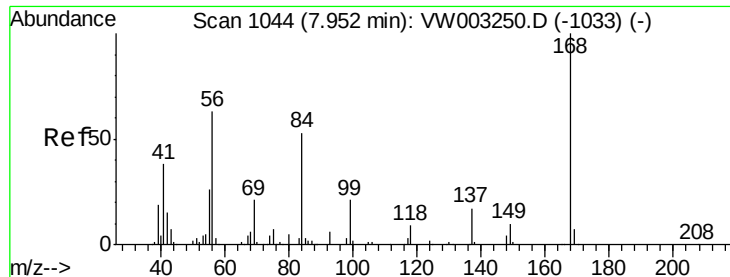
Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-25-27-180619

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Quant Time: Jun 27 17:52:15 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: VW003472.D

Acq: 23 Jun 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-25-27-180619

Tot Ion:168 Resp: 174597

Ion Ratio Lower Upper

168 100

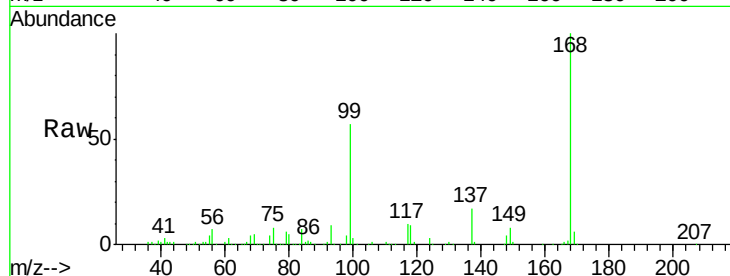
99 57.4 45.5 68.3

Manual Integrations

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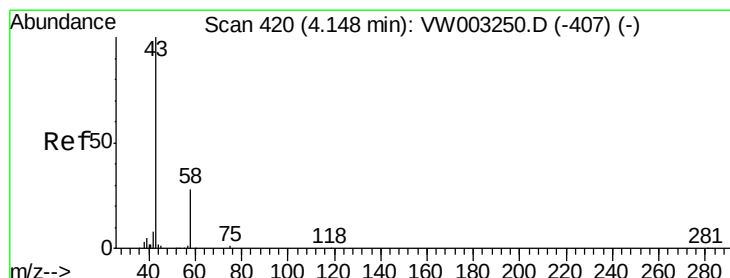
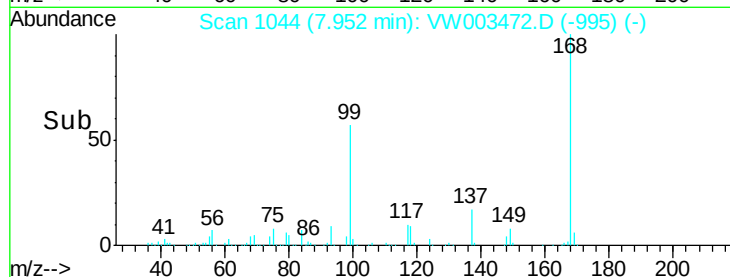
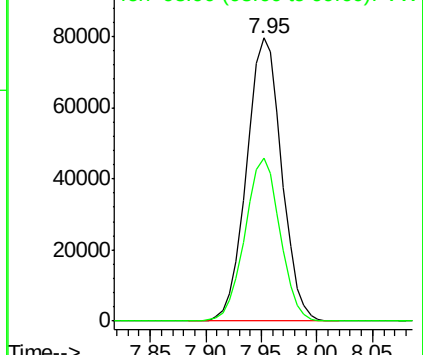
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 275.77 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003472.D

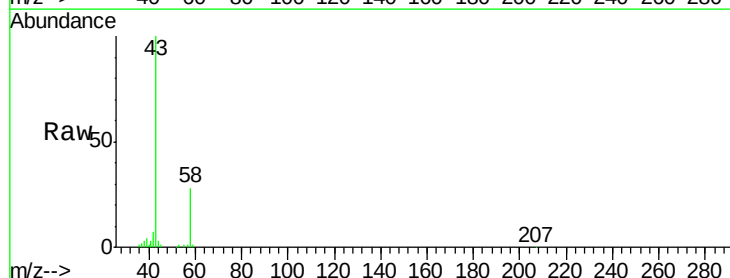
Acq: 23 Jun 2018 20:20

Tgt Ion: 43 Resp: 109380

Ion Ratio Lower Upper

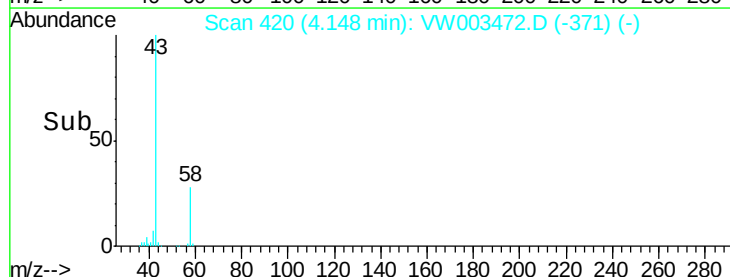
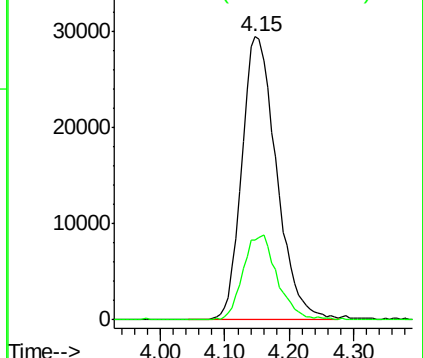
43 100

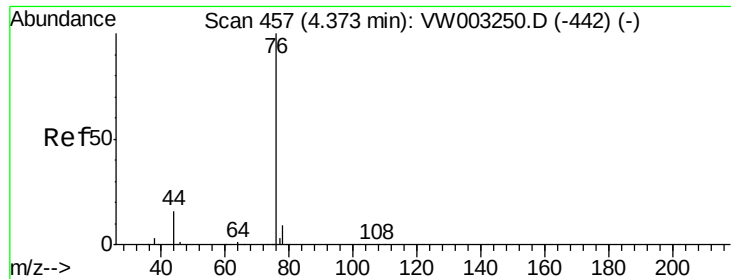
58 28.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.92 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Tot Ion: 76 Resp: 13638

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

Instrument :

MSVOA_W

ClientSampleId :

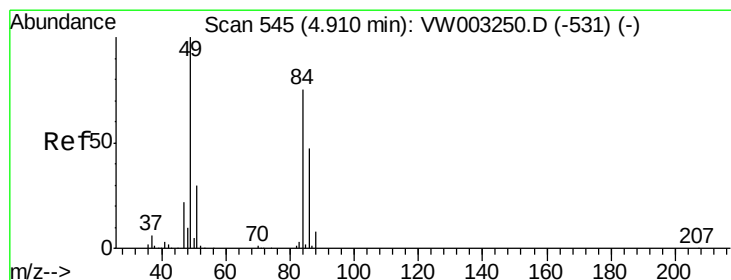
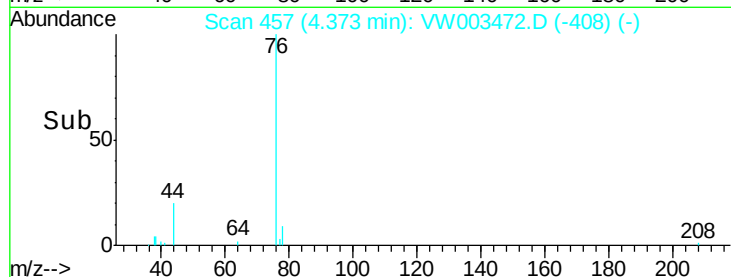
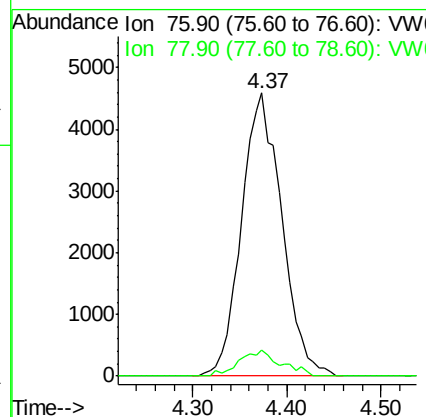
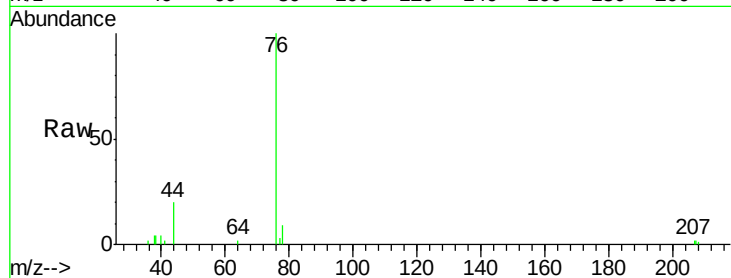
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#20

Methylene Chloride

Concen: 2.24 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Tgt Ion: 84 Resp: 9687

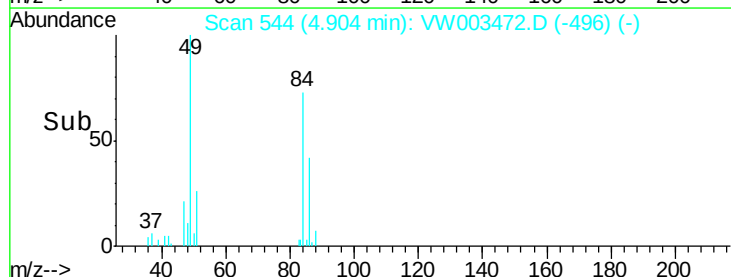
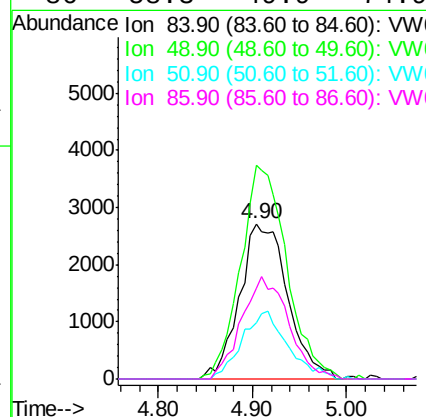
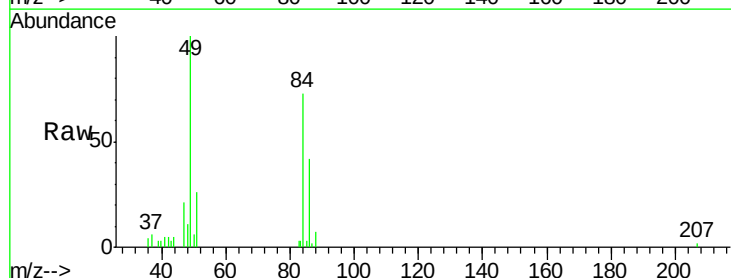
Ion Ratio Lower Upper

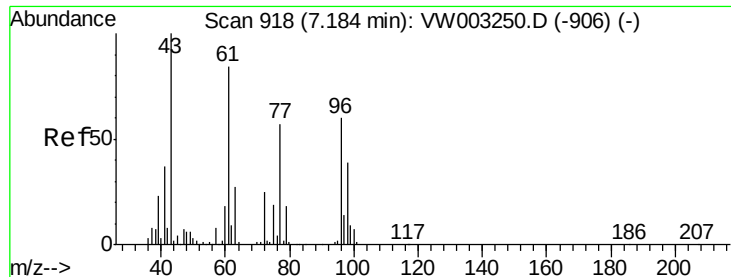
84 100

49 137.8 106.3 159.5

51 36.4 32.0 48.0

86 58.3 49.9 74.9





#25

2-Butanone

Concen: 71.08 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Instrument :

MSVOA_W

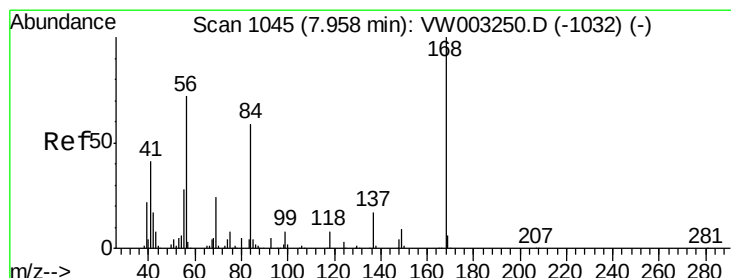
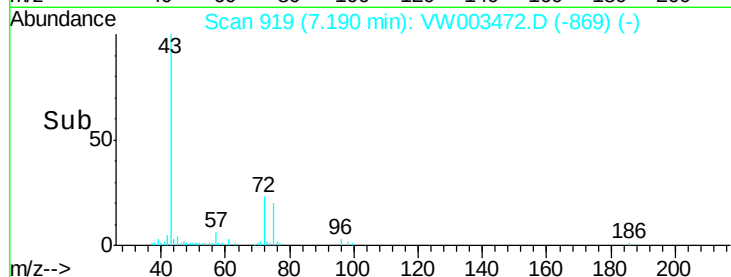
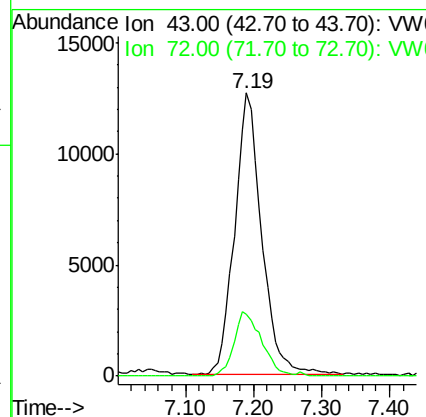
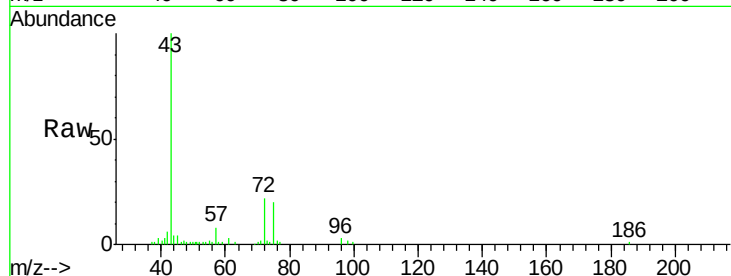
ClientSampleId :

WP021SB485-25-27-180619

Tot Ion	Ratio	Lower	Upper
43	100		
72	22.2	20.3	30.5

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#31

Cyclohexane

Concen: 4.72 ug/l

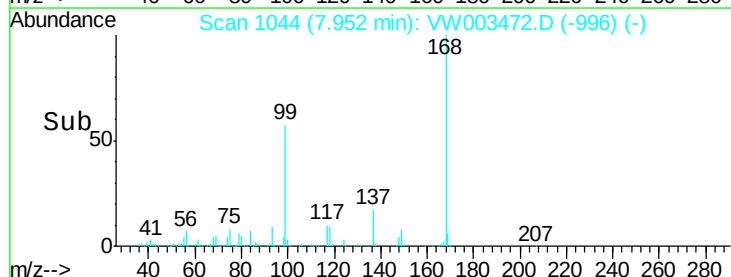
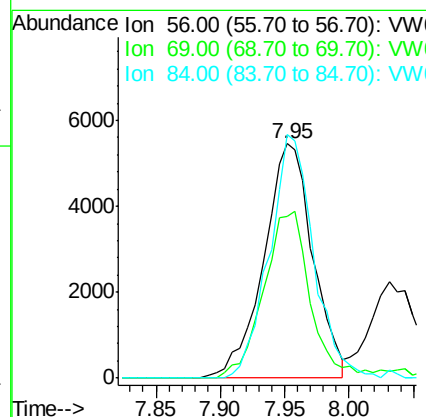
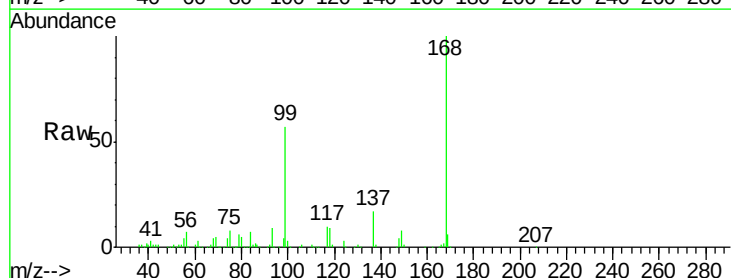
RT: 7.95 min Scan# 1044

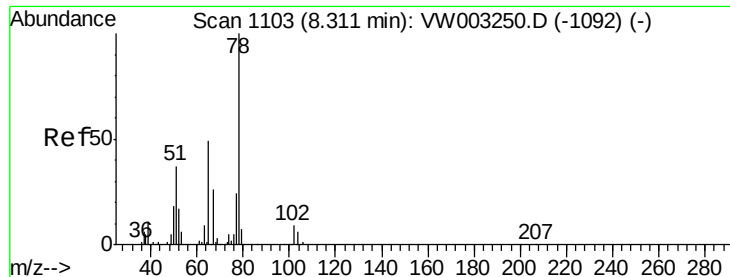
Delta R.T. -0.01 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
56	100		
69	68.8	26.3	39.5#
84	103.8	65.7	98.5#





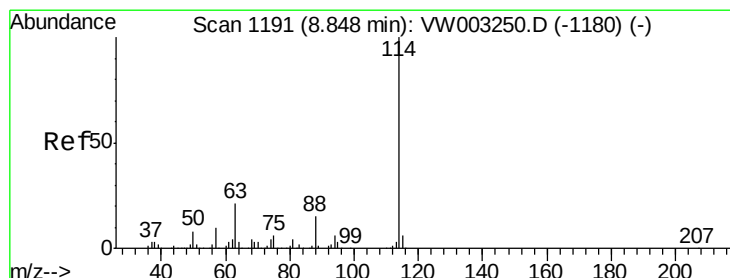
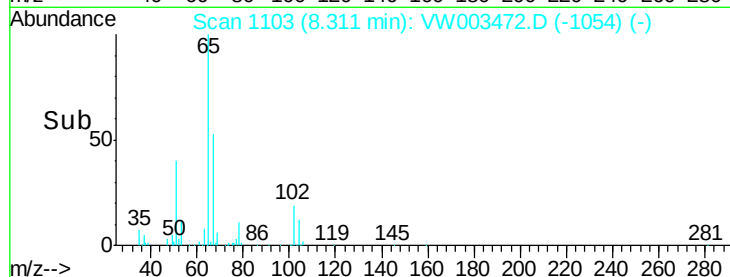
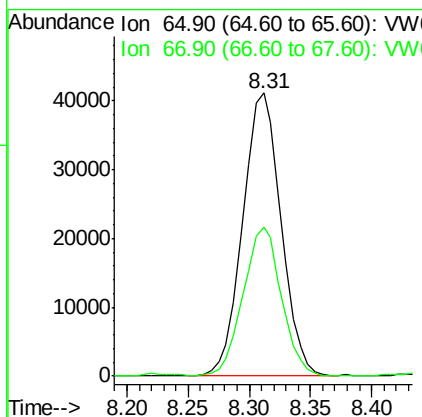
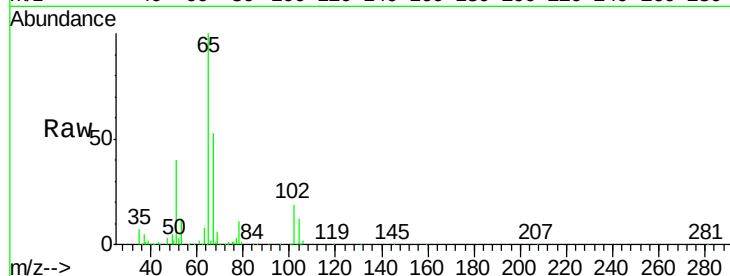
#33
 1,2-Dichloroethane-d4
 Concen: 47.49 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-25-27-180619

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	104.2	

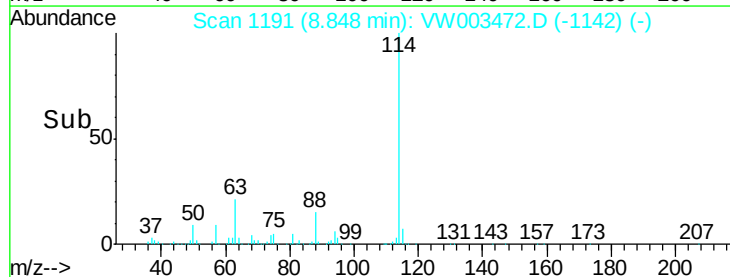
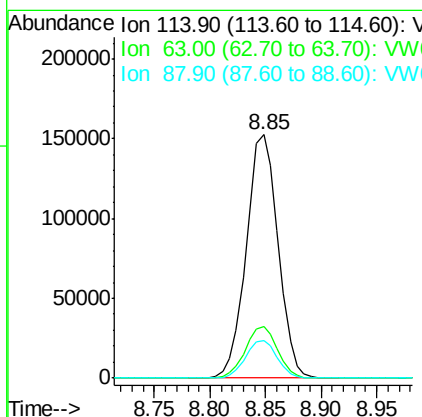
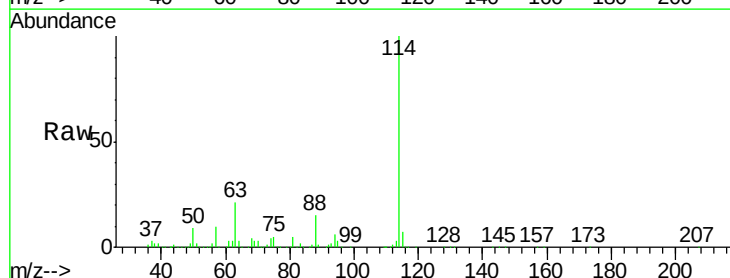
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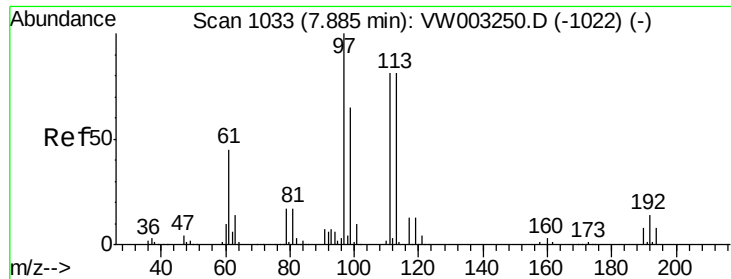
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0	43.0	
88	15.4	0.0	29.6	





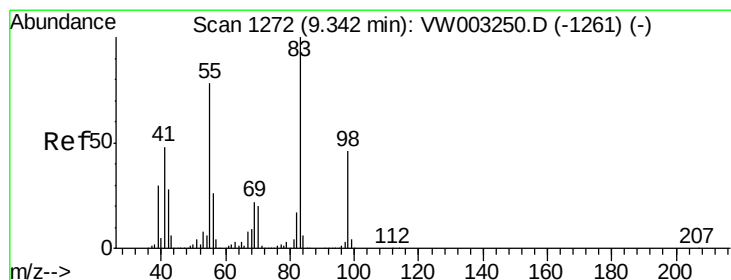
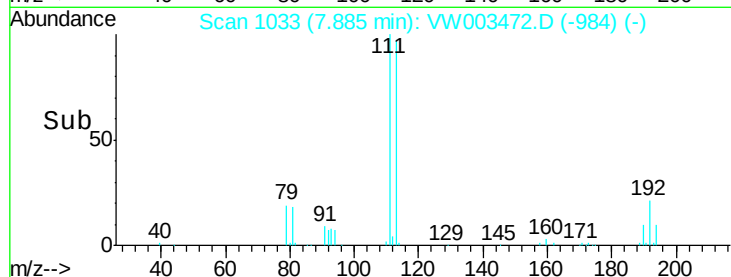
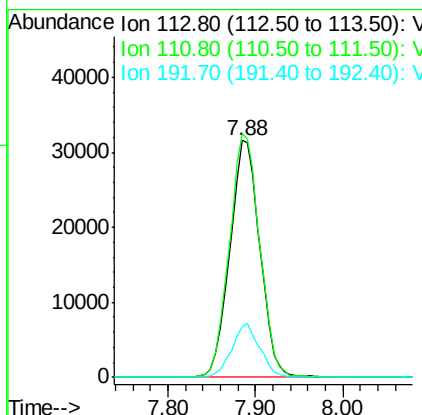
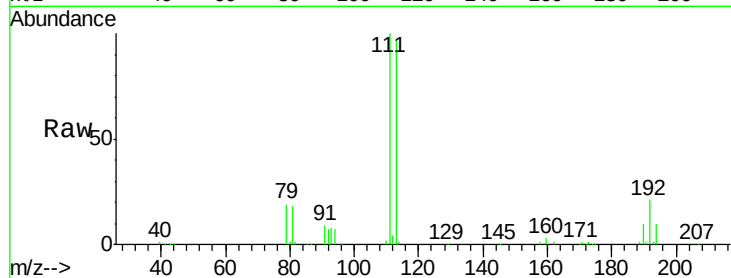
#35
 Dibromofluoromethane
 Concen: 39.96 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-25-27-180619

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	20.9	16.2	24.2

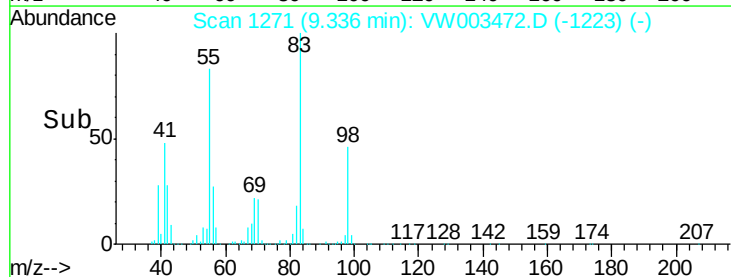
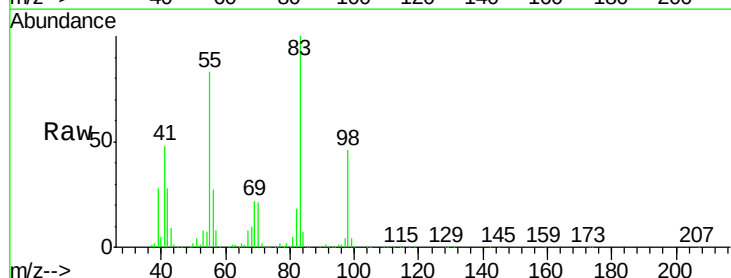
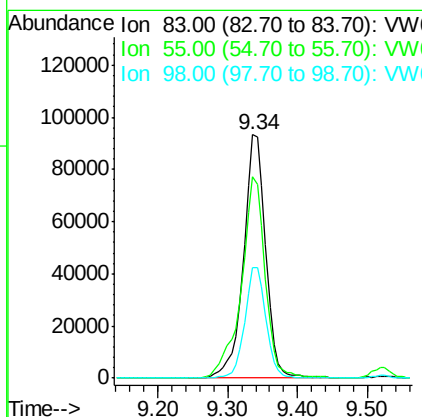
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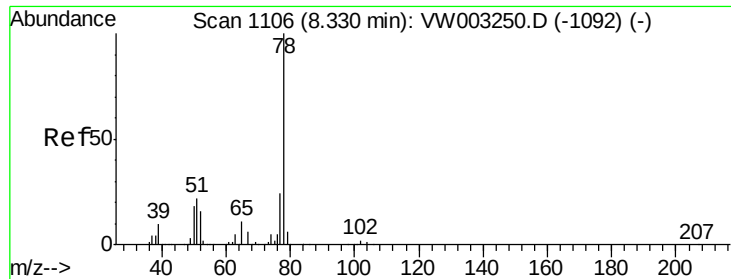
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#39
 Methylcyclohexane
 Concen: 60.84 ug/l
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.8	62.6	93.8
98	45.5	37.0	55.4





#40

Benzene

Concen: 2.38 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-25-27-180619

Tot Ion: 78 Resp: 19198

Ion Ratio Lower Upper

78 100

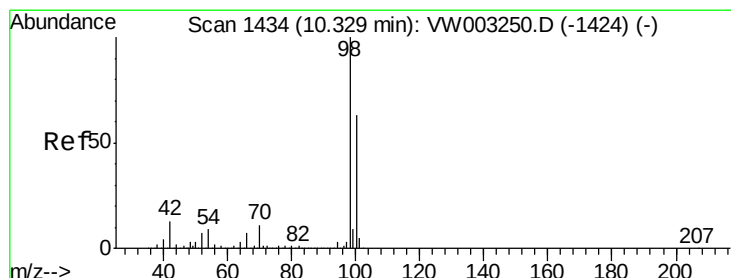
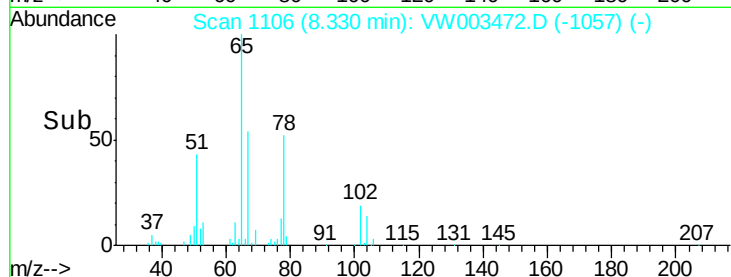
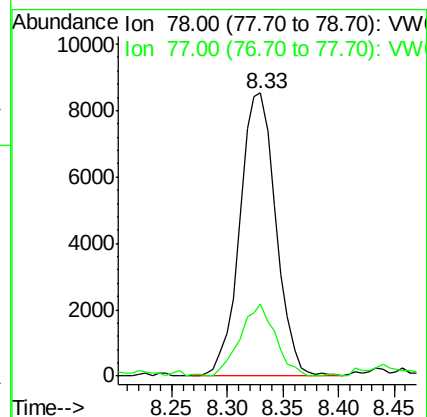
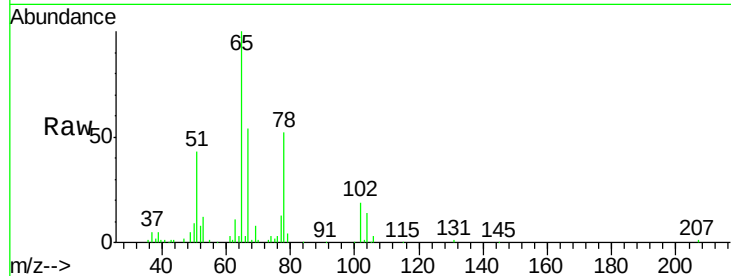
77 25.3 19.0 28.6

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#50

Toluene-d8

Concen: 38.86 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003472.D

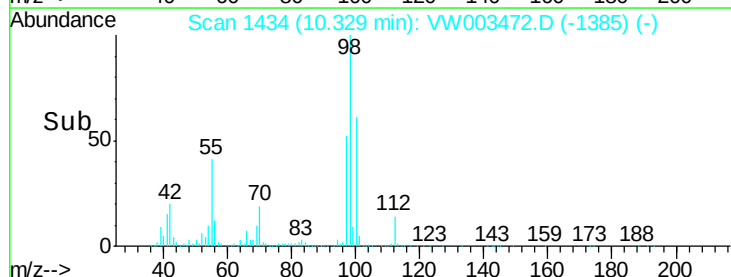
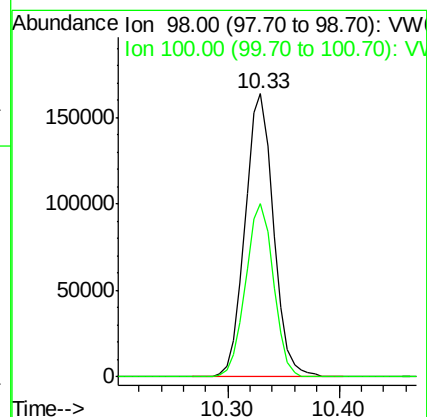
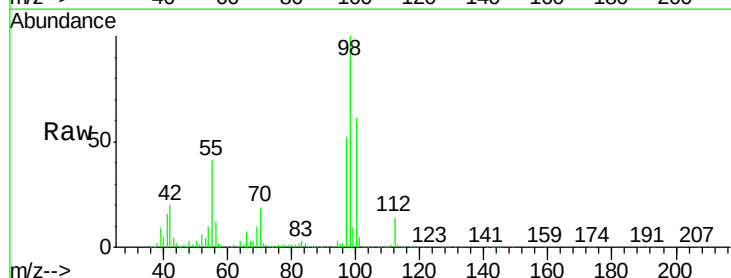
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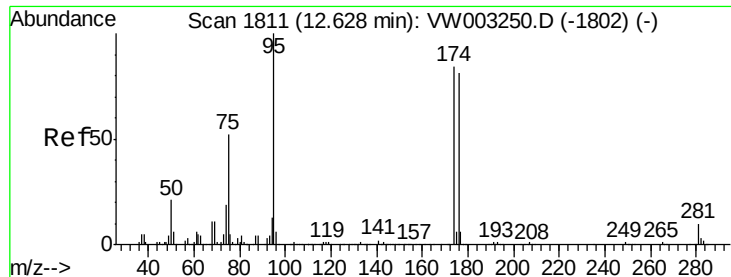
Tgt Ion: 98 Resp: 290228

Ion Ratio Lower Upper

98 100

100 60.0 50.8 76.2





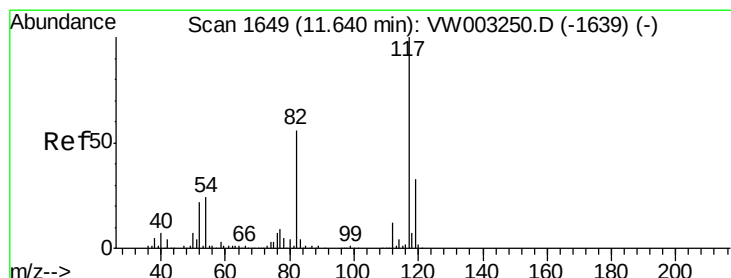
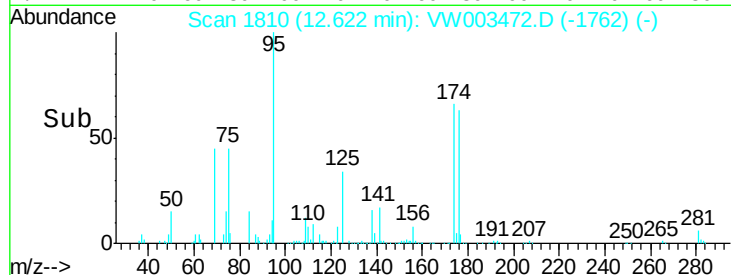
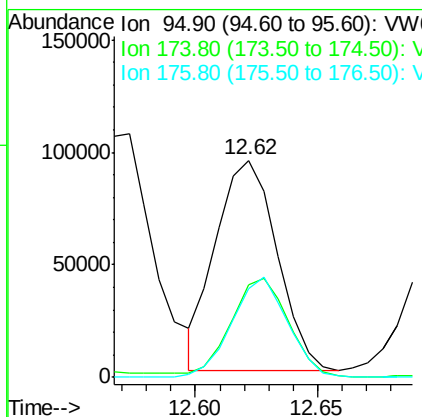
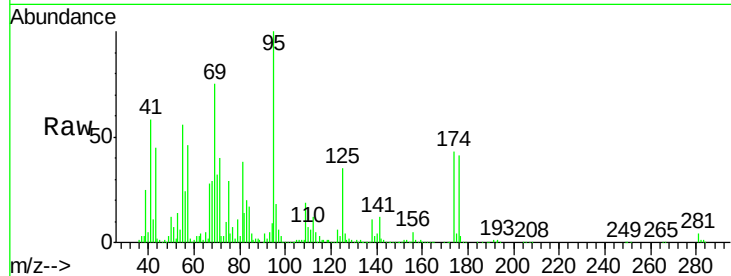
#62
4-Bromofluorobenzene
Concen: 61.56 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-25-27-180619

Tot Ion	Ratio	Resp	Lower	Upper
95	100	162701		
174	43.8	0.0	166.4	
176	43.4	0.0	162.0	

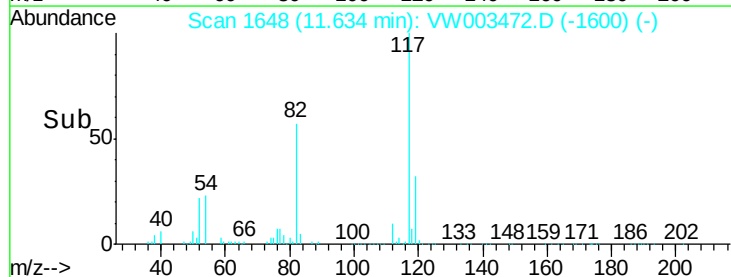
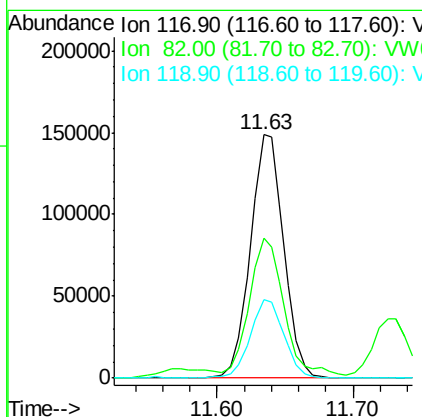
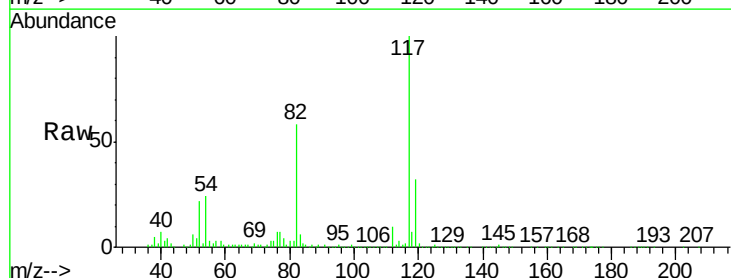
Manual Integrations
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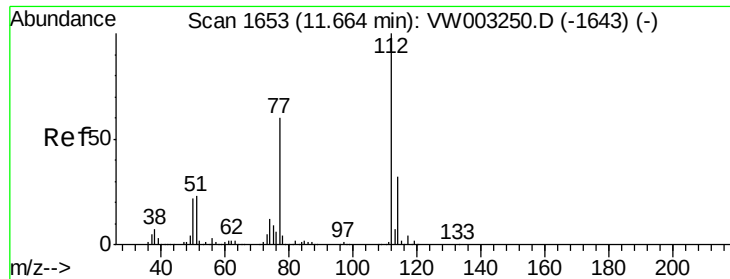
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	253052		
82	55.7	44.6	67.0	
119	32.0	26.7	40.1	





#65

Chlorobenzene

Concen: 124.50 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-25-27-180619

Tot Ion:112 Resp: 656089

Ion Ratio Lower Upper

112 100

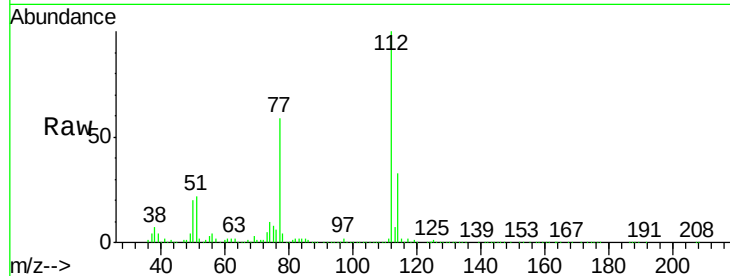
114 32.6 25.9 38.9

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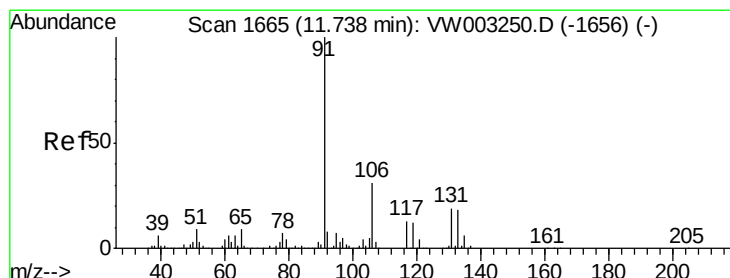
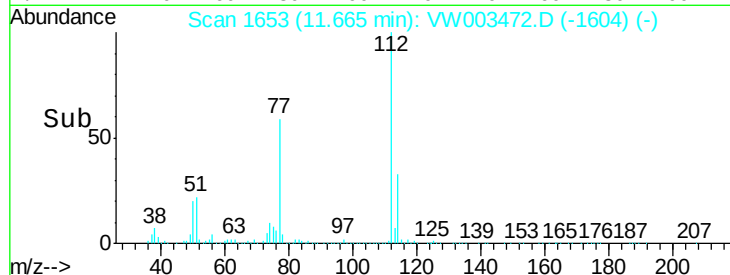
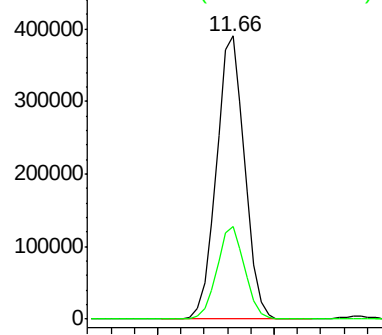
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 1.32 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003472.D

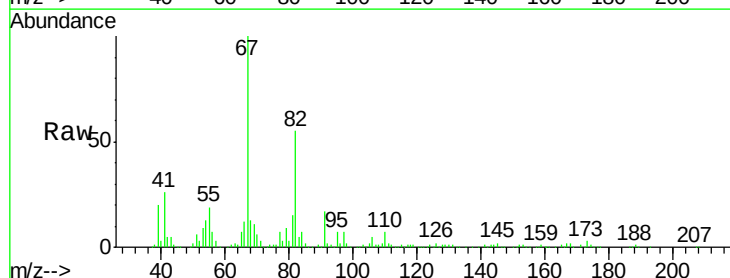
Acq: 23 Jun 2018 20:20

Tgt Ion: 91 Resp: 12298

Ion Ratio Lower Upper

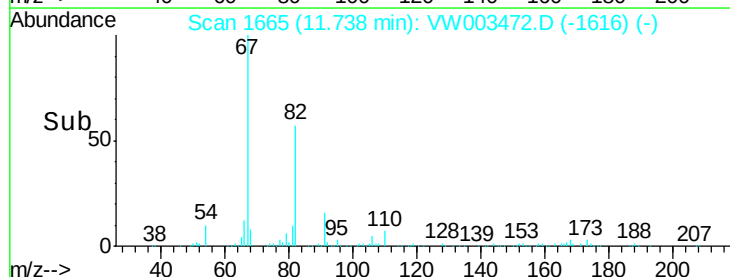
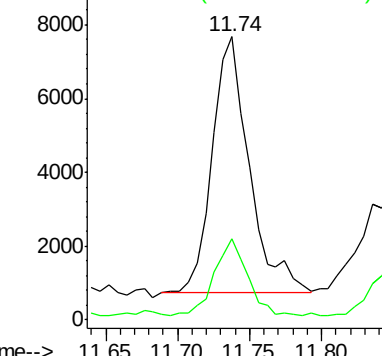
91 100

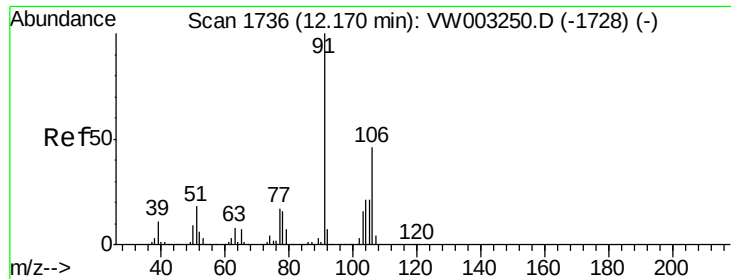
106 29.5 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





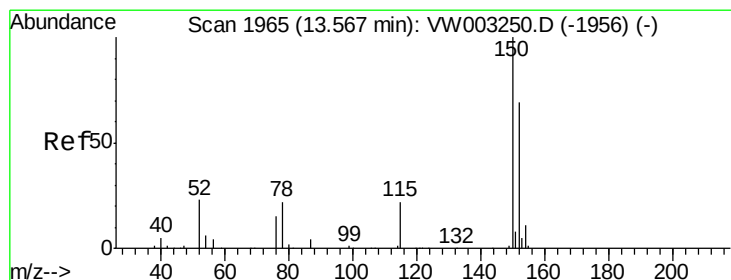
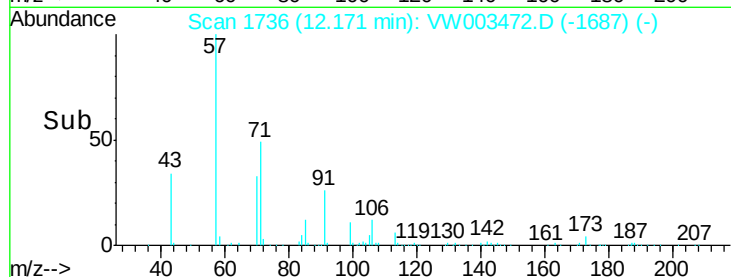
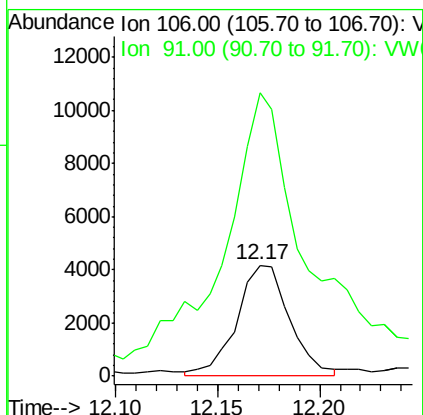
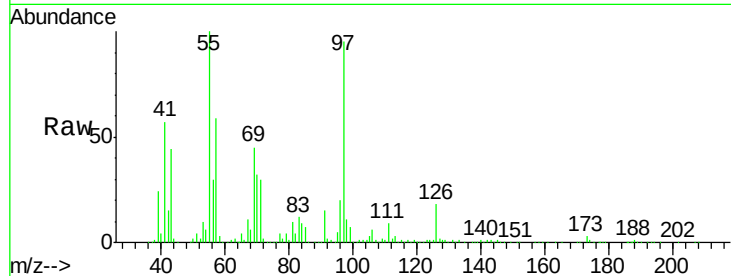
#69
o-Xylene
Concen: 2.30 ug/l m
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-25-27-180619

Tot Ion:106 Resp: 7562
Ion Ratio Lower Upper
106 100
91 17.7 108.6 325.6#

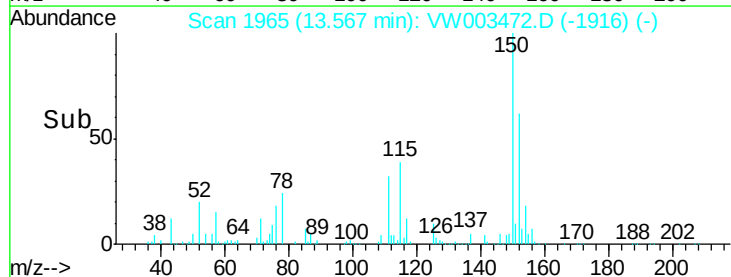
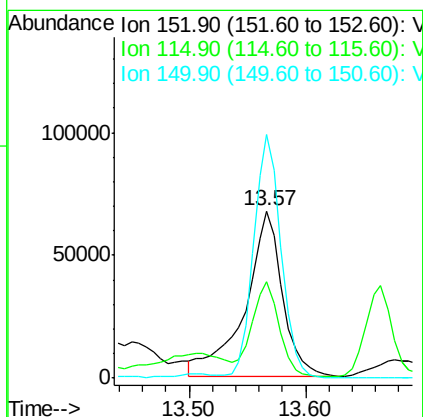
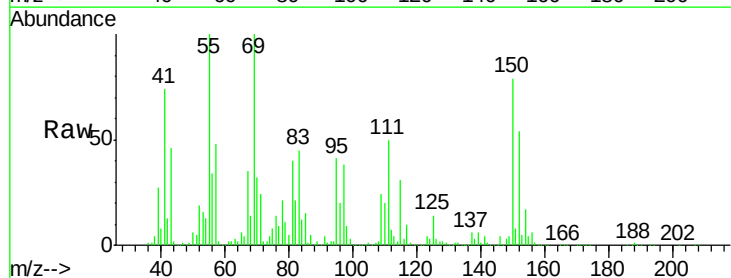
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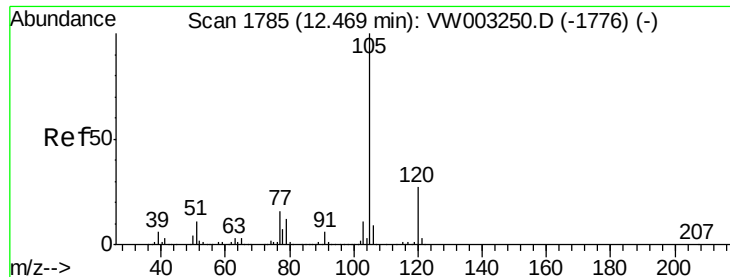
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Tgt Ion:152 Resp: 150329
Ion Ratio Lower Upper
152 100
115 42.4 29.3 88.0
150 107.3 0.0 349.6





#73

Isopropylbenzene

Concen: 4.26 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003472.D

Acq: 23 Jun 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-25-27-180619

Tot Ion:105 Resp: 44556

Ion Ratio Lower Upper

105 100

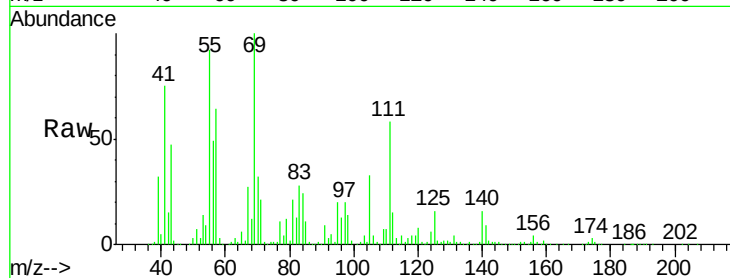
120 20.9 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

25000

20000

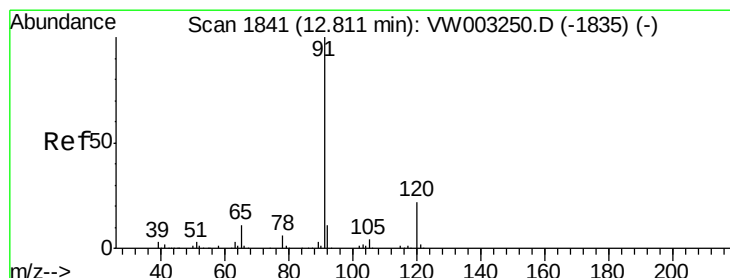
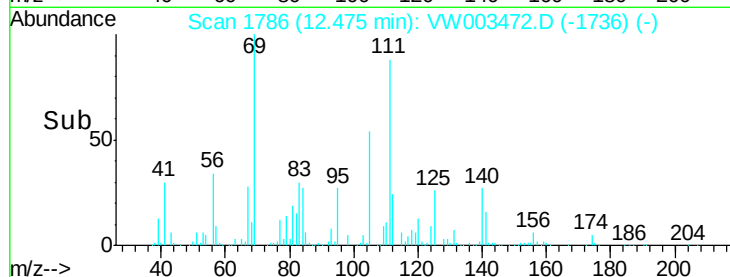
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 3.53 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003472.D

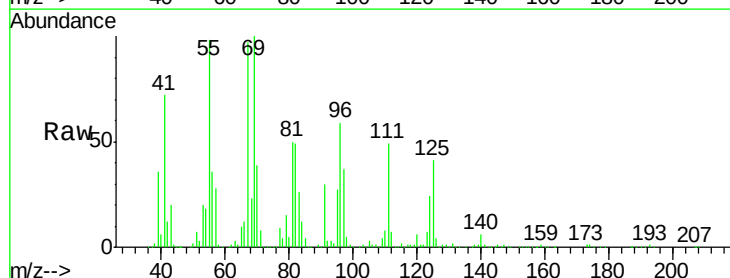
Acq: 23 Jun 2018 20:20

Tgt Ion: 91 Resp: 45242

Ion Ratio Lower Upper

91 100

120 15.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

25000

20000

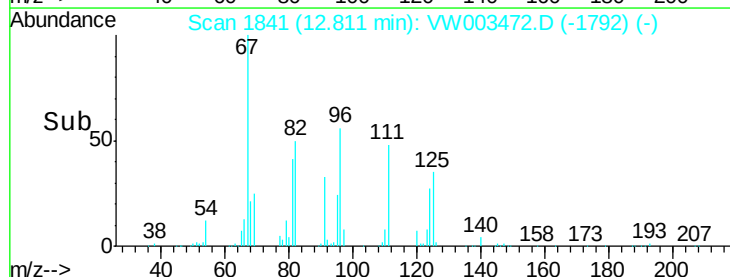
15000

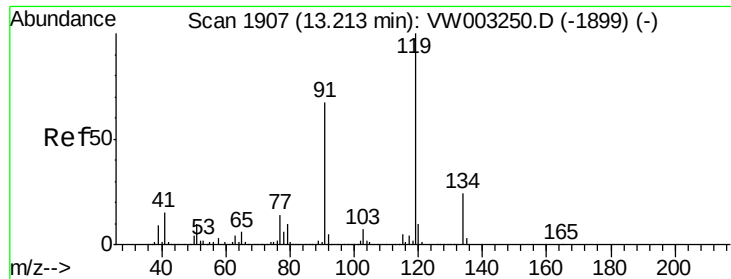
10000

5000

0

Time-->





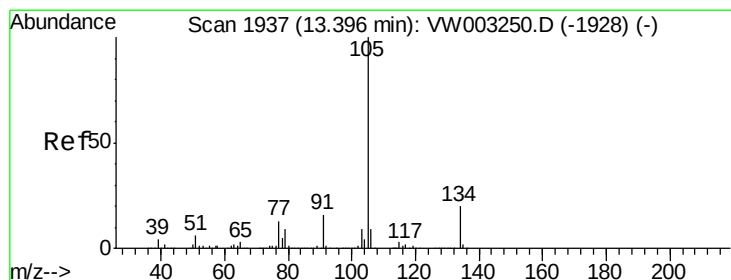
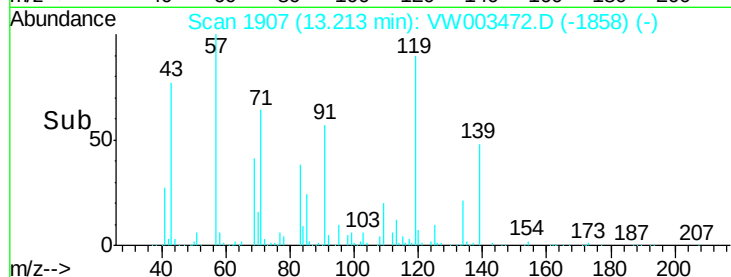
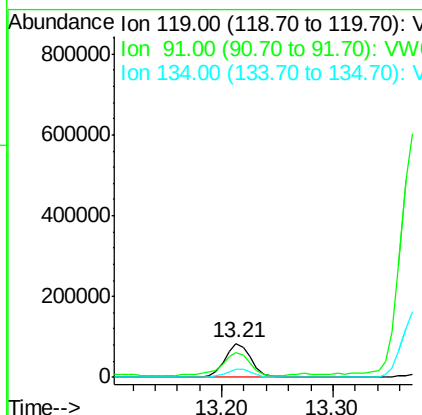
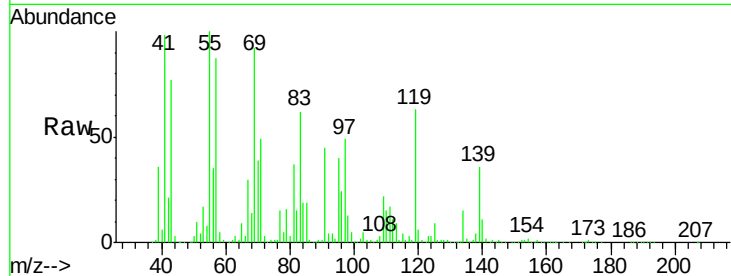
#83
tert-Butylbenzene
Concen: 17.86 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-25-27-180619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133580		
91	77.3	33.9	101.7	
134	23.8	13.4	40.1	

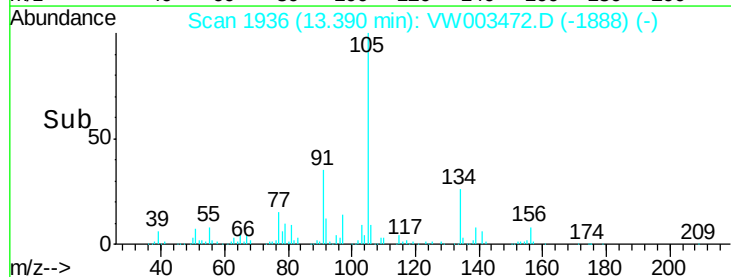
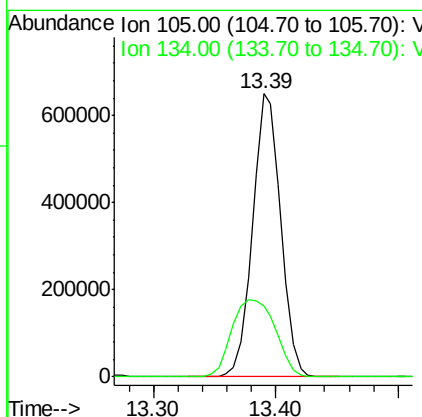
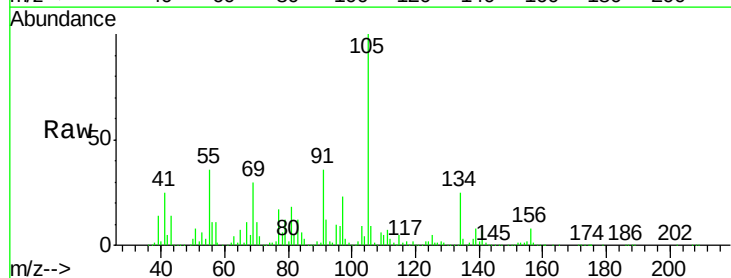
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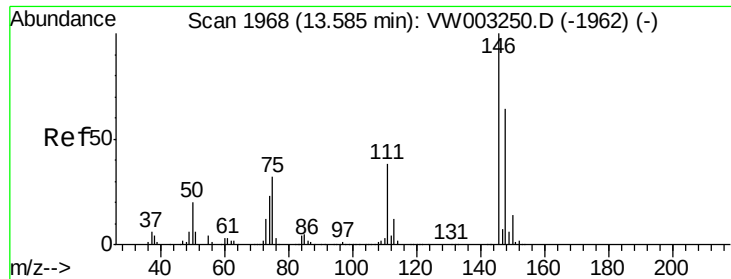
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#85
sec-Butylbenzene
Concen: 93.01 ug/l
RT: 13.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VW003472.D
Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1033992		
134	42.4	9.8	29.5	#





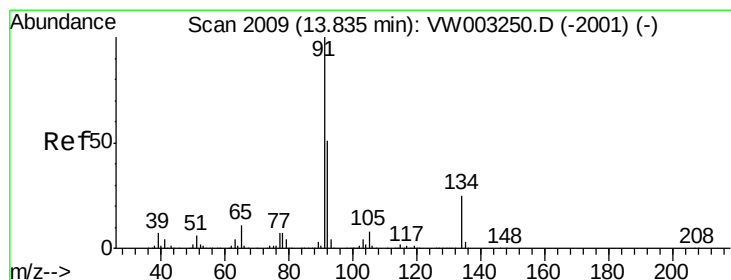
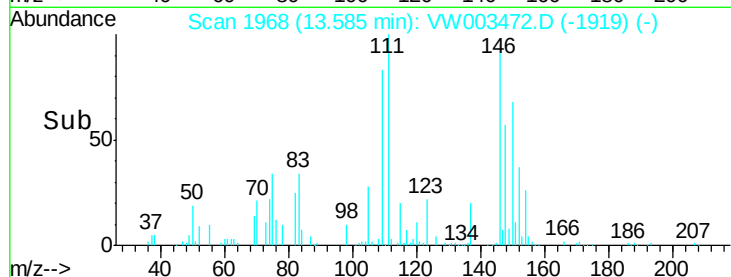
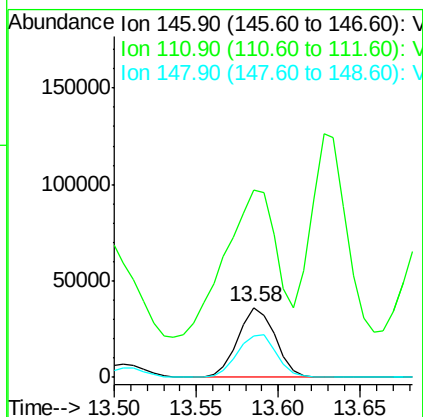
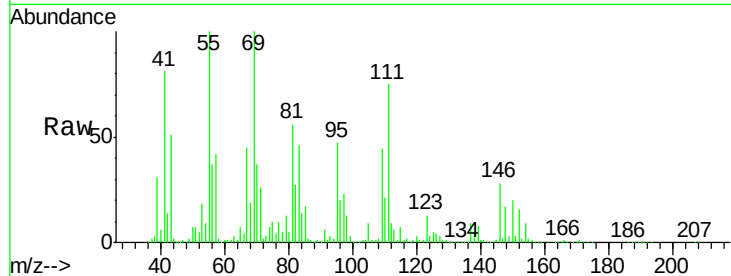
#88
 1,4-Dichlorobenzene
 Concen: 11.52 ug/l m
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-25-27-180619

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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#89
 n-Butylbenzene
 Concen: 108.00 ug/l
 RT: 13.83 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VW003472.D
 Acq: 23 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.5	26.0	78.0
134	0.0	12.7	38.0#

