

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
 Data File : VW007656.D
 Acq On : 18 Dec 2018 14:17
 Operator : SY/AP
 Sample : J6353-01
 Misc : 6.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Manual Integrations
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Quant Time: Dec 19 04:46:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	62639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	108763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	71482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19198	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33302	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
35) Dibromofluoromethane	7.88	113	28365	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	
50) Toluene-d8	10.32	98	87216	35.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.66%	
62) 4-Bromofluorobenzene	12.62	95	24845	27.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.74%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.27	101	1119	2.893	ug/l #	64
12) 1,1-Dichloroethene	4.04	96	7710	12.547	ug/l	90
16) Acetone	4.11	43	31399	258.676	ug/l #	68
25) 2-Butanone	7.17	43	7986	50.395	ug/l	95
31) Cyclohexane	7.95	56	65886	61.030	ug/l	96
39) Methylcyclohexane	9.34	83	51031	42.476	ug/l	91
40) Benzene	8.32	78	75528	27.430	ug/l	97
52) Toluene	10.39	92	993495	557.551	ug/l	100
67) Ethyl Benzene	11.73	91	529509	206.712	ug/l	91
68) m/p-Xylenes	11.84	106	643526	646.222	ug/l	98
69) o-Xylene	12.17	106	320167	344.252	ug/l	98
70) Styrene	12.18	104	75139	50.019	ug/l #	39
73) Isopropylbenzene	12.47	105	42289	28.748	ug/l	98
78) n-propylbenzene	12.81	91	139041	83.987	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	201716	163.197	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	583850	459.026	ug/l	99
85) sec-Butylbenzene	13.39	105	5889m	3.961	ug/l	
86) p-Isopropyltoluene	13.51	119	4718m	3.532	ug/l	
89) n-Butylbenzene	13.83	91	6929	5.596	ug/l #	64
95) Naphthalene	15.38	128	38317	49.984	ug/l	97

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

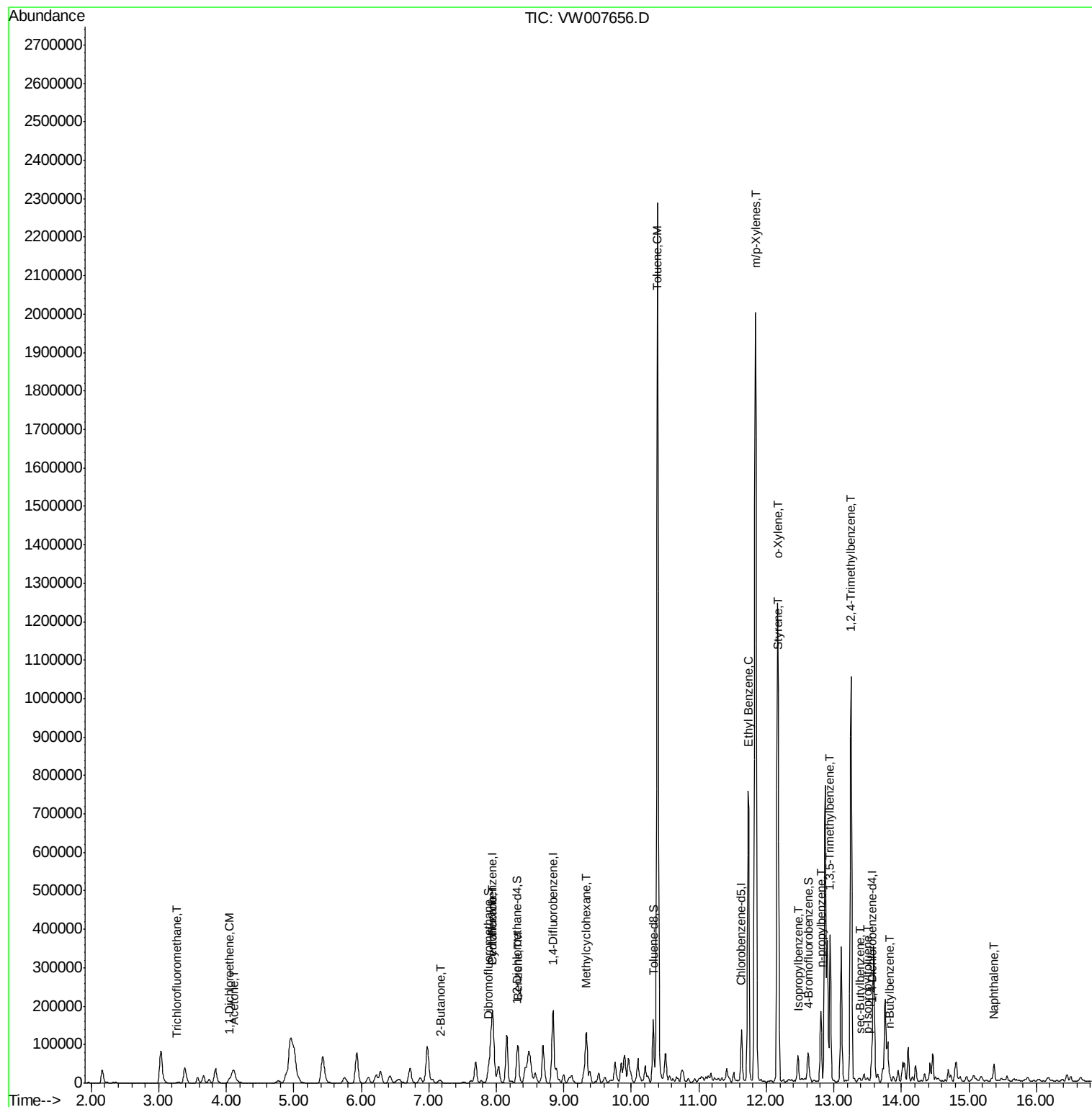
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
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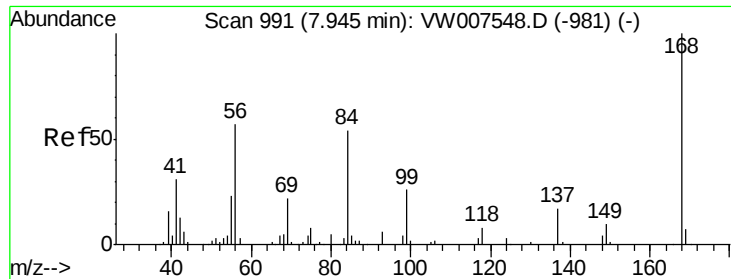
Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

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Quant Time: Dec 19 04:46:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01

Tgt Ion:168 Resp: 62639

Ion Ratio Lower Upper

168 100

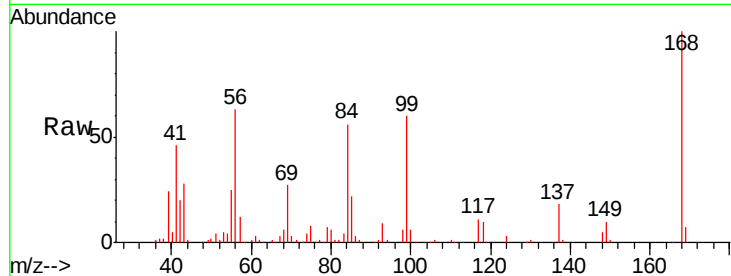
99 60.2 48.3 72.5

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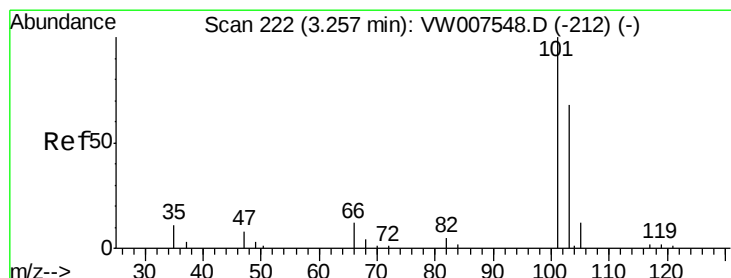
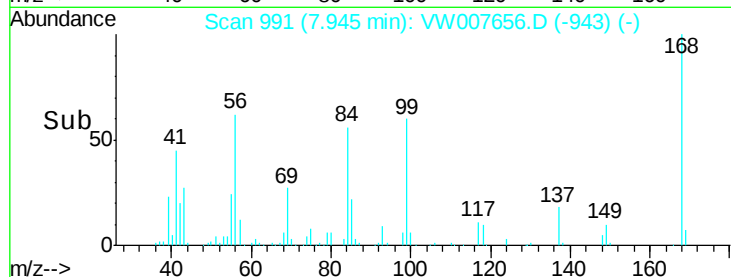
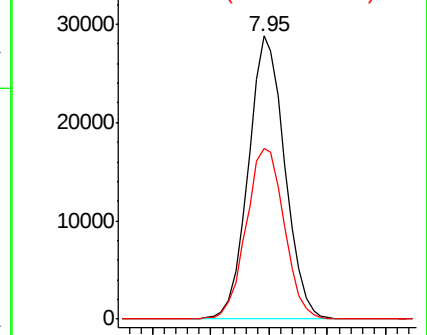
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#7

Trichlorofluoromethane

Concen: 2.893 ug/l

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW007656.D

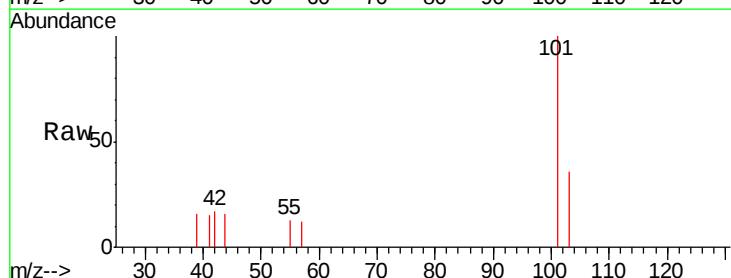
Acq: 18 Dec 2018 14:17

Tgt Ion:101 Resp: 1119

Ion Ratio Lower Upper

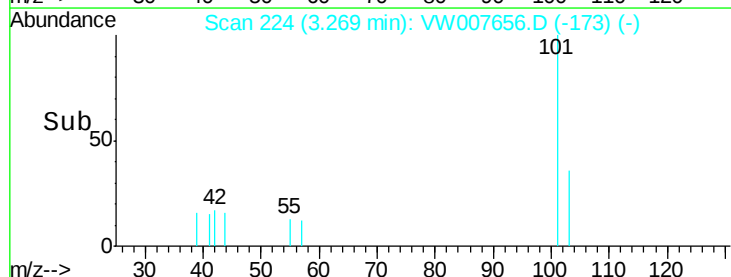
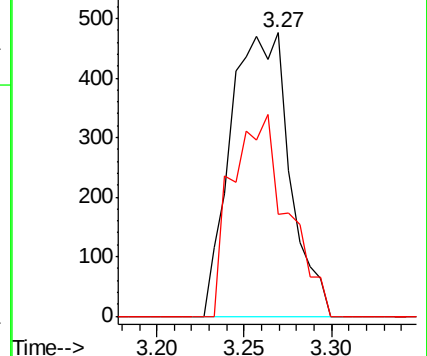
101 100

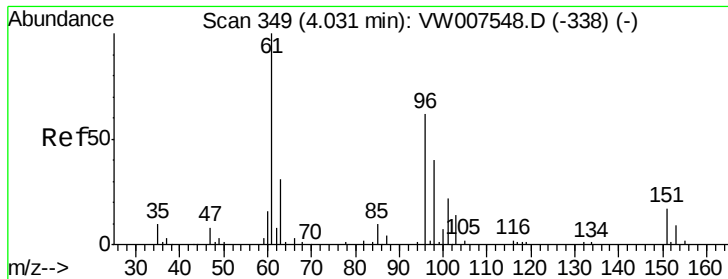
103 36.1 51.7 77.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#12

1,1-Dichloroethene

Concen: 12.547 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW007656.D

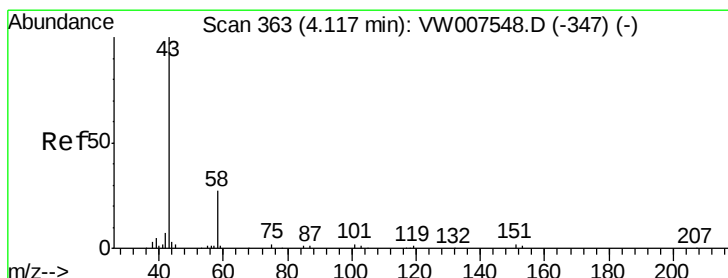
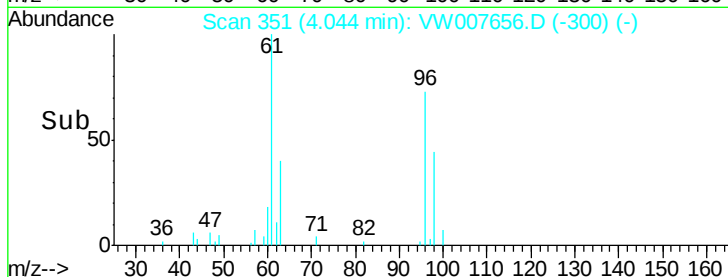
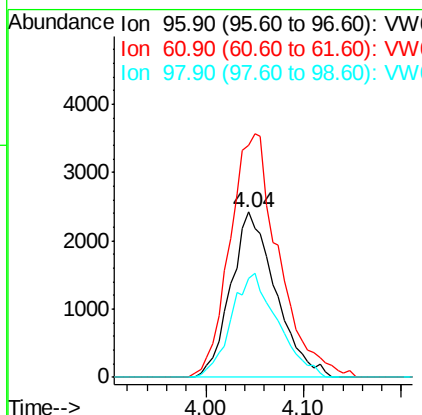
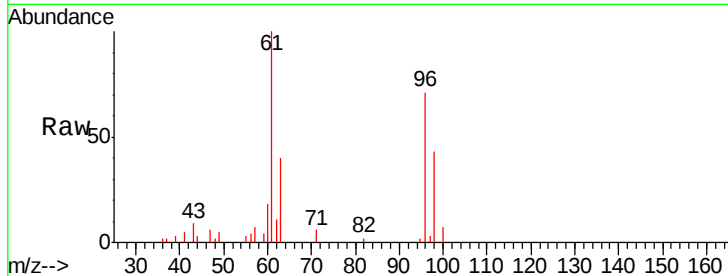
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion:	96	Resp:	7710
Ion	Ratio	Lower	Upper
96	100		
61	140.1	126.2	189.2
98	60.0	48.3	72.5

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#16

Acetone

Concen: 258.676 ug/l

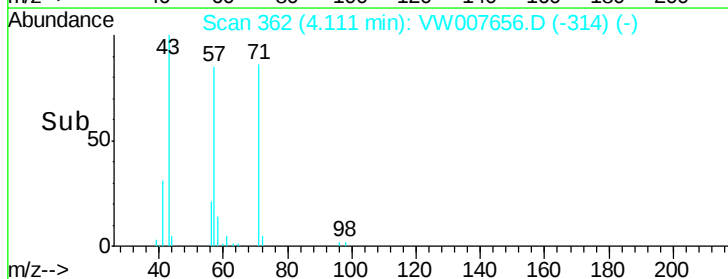
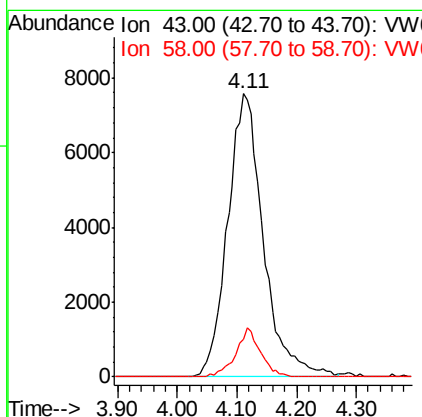
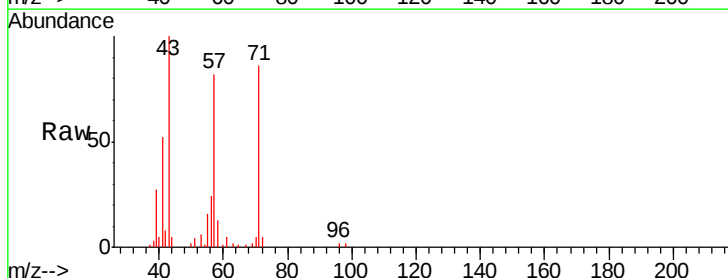
RT: 4.11 min Scan# 362

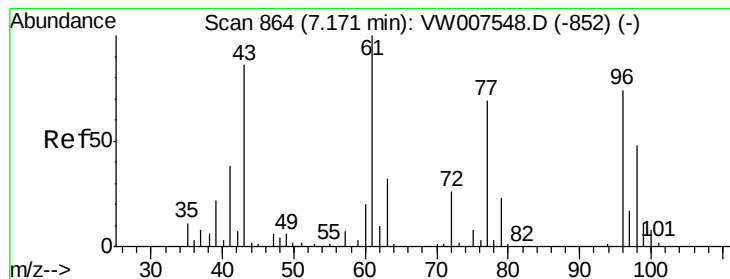
Delta R.T. -0.01 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Tgt Ion:	43	Resp:	31399
Ion	Ratio	Lower	Upper
43	100		
58	13.5	24.9	37.3#





#25

2-Butanone

Concen: 50.395 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01

Tgt Ion: 43 Resp: 7986

Ion Ratio Lower Upper

43 100

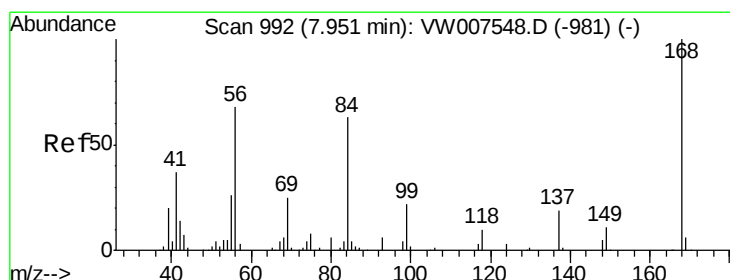
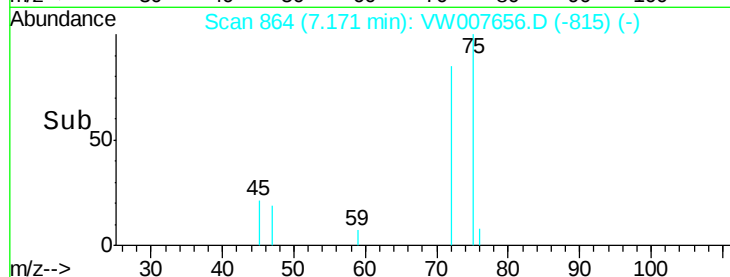
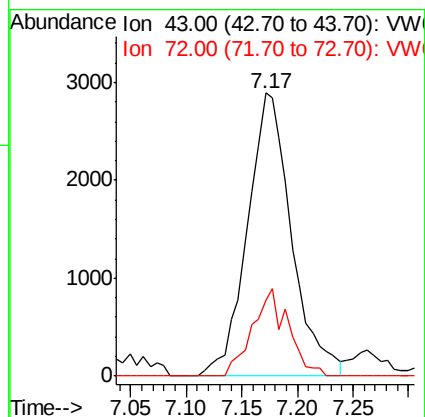
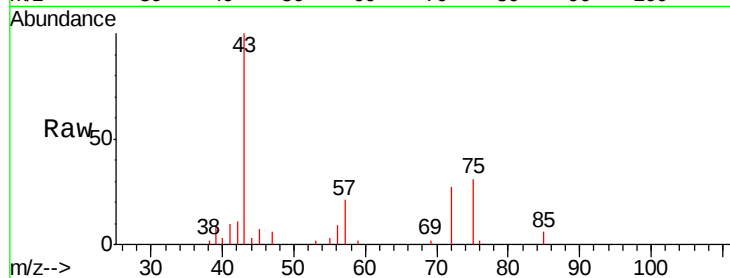
72 26.7 23.4 35.2

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#31

Cyclohexane

Concen: 61.030 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

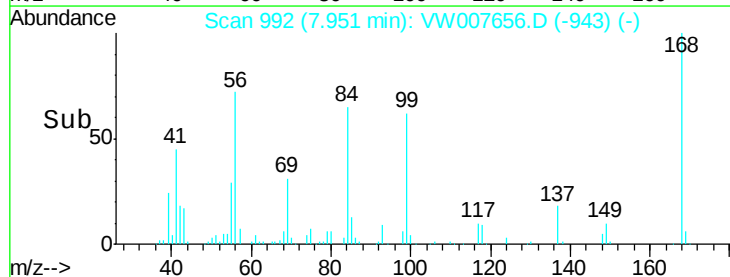
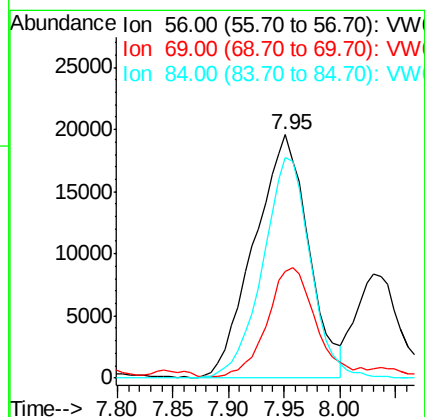
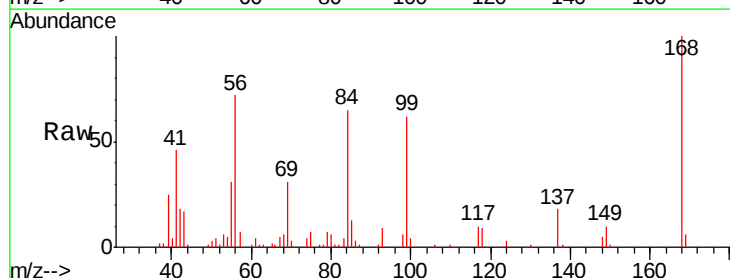
Tgt Ion: 56 Resp: 65886

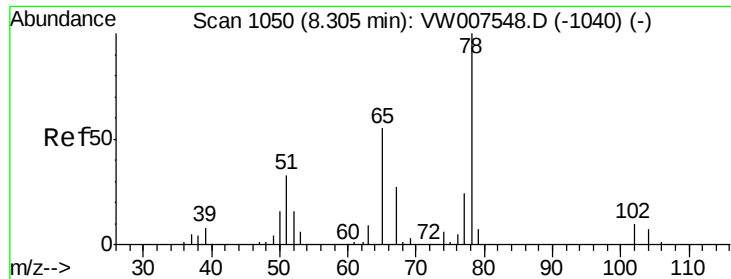
Ion Ratio Lower Upper

56 100

69 41.5 28.9 43.3

84 91.0 71.8 107.6





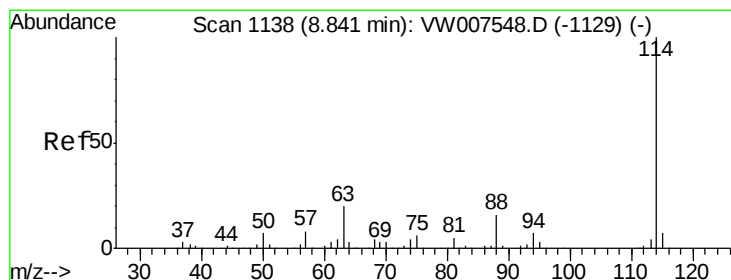
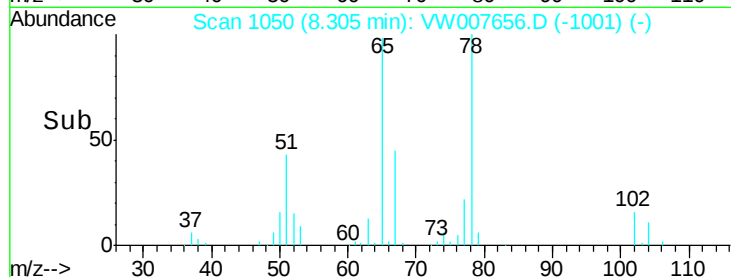
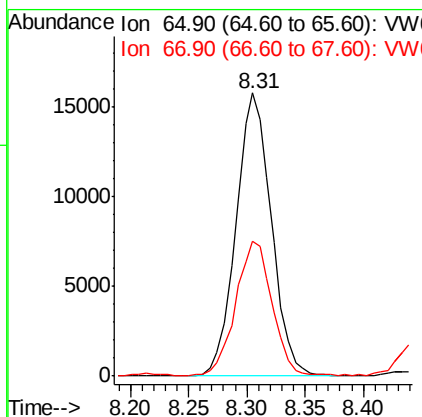
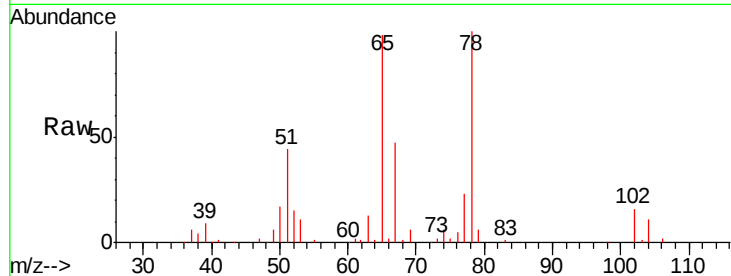
#33
 1,2-Dichloroethane-d4
 Concen: 47.921 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Tgt Ion: 65 Resp: 33302
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.6

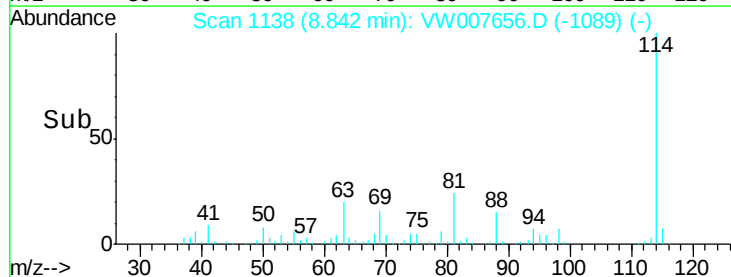
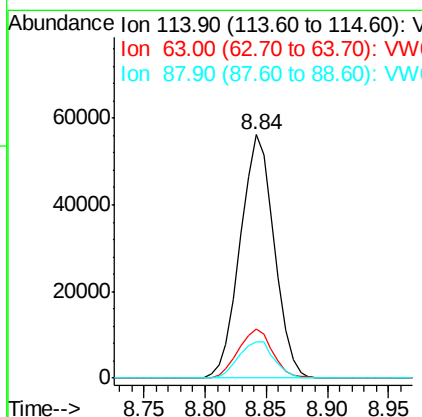
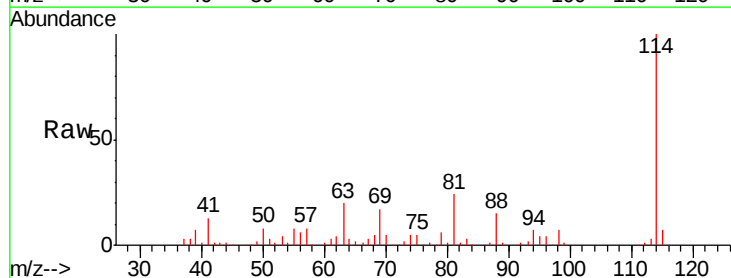
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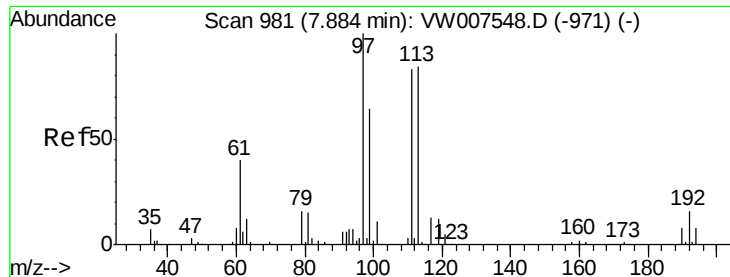
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Tgt Ion: 114 Resp: 108763
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.1 0.0 31.4





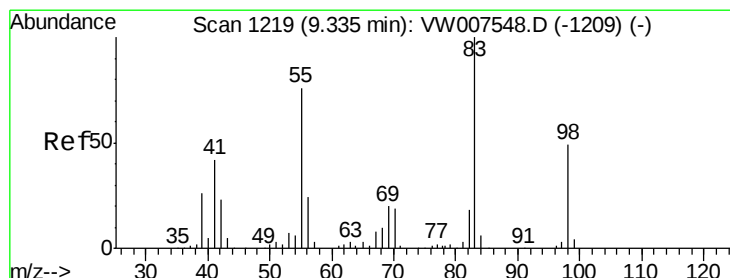
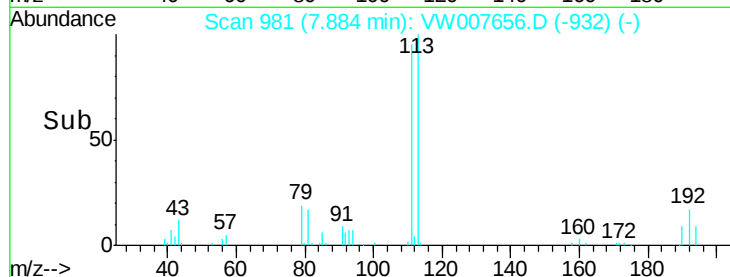
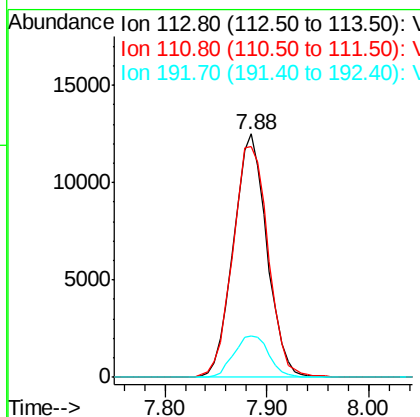
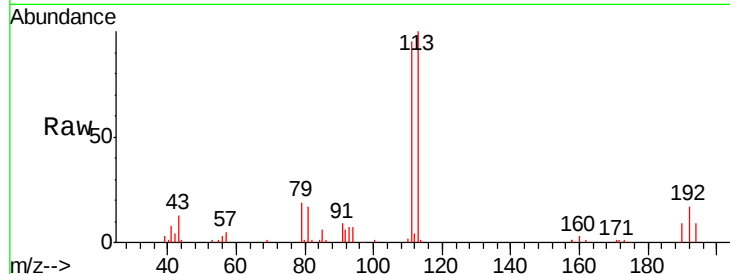
#35
Dibromofluoromethane
Concen: 43.083 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

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MSVOA_W
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
113	100	28365		
111	101.0		81.1	121.7
192	17.9		14.6	21.8

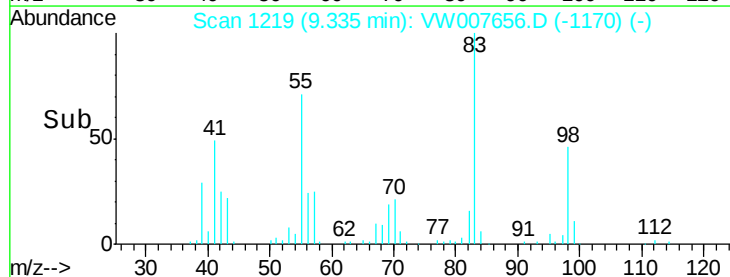
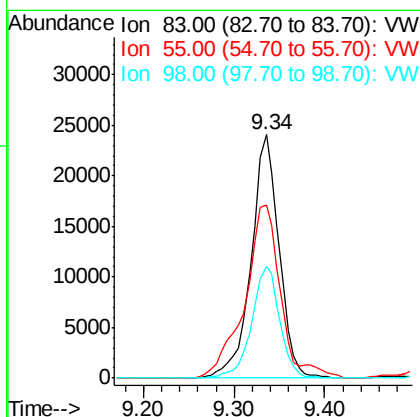
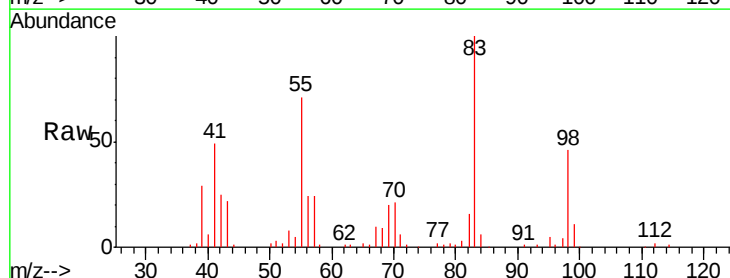
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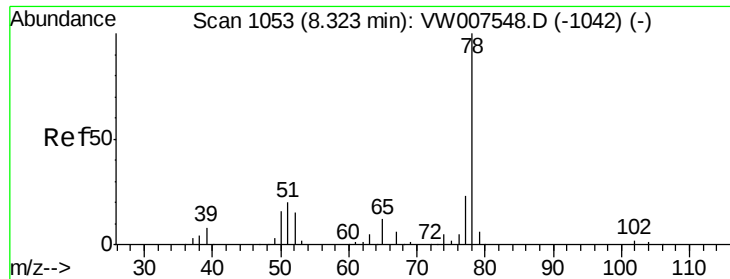
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#39
Methylcyclohexane
Concen: 42.476 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	51031		
55	71.2		62.8	94.2
98	46.0		42.2	63.2





#40

Benzene

Concen: 27.430 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01

Tgt Ion: 78 Resp: 75528

Ion Ratio Lower Upper

78 100

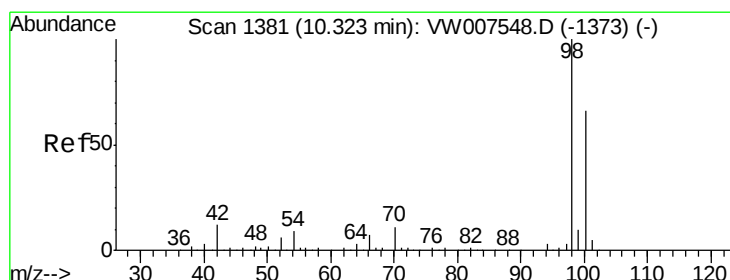
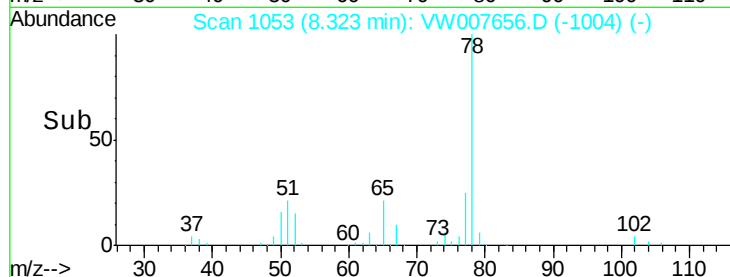
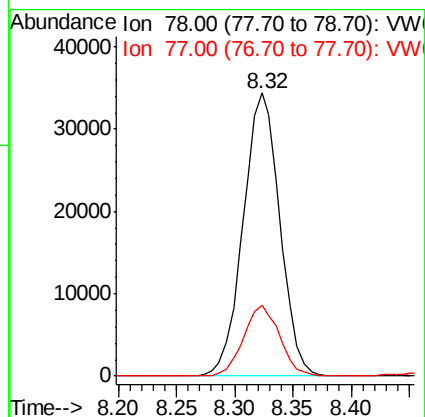
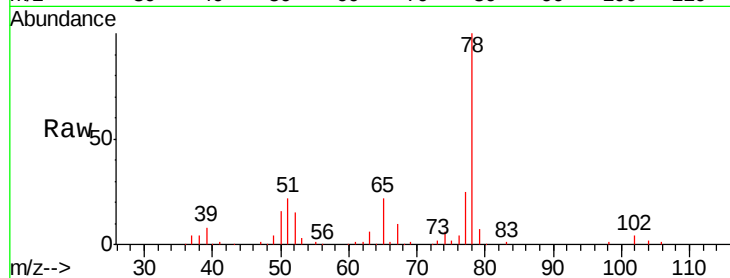
77 24.9 18.8 28.2

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#50

Toluene-d8

Concen: 35.330 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007656.D

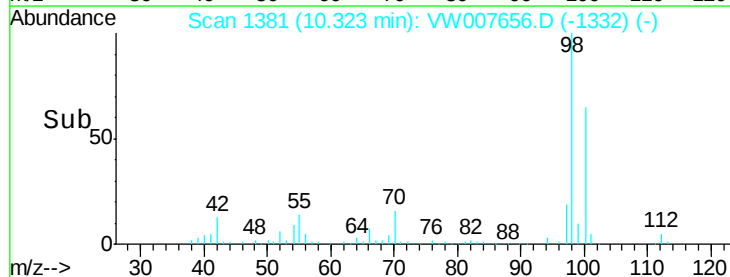
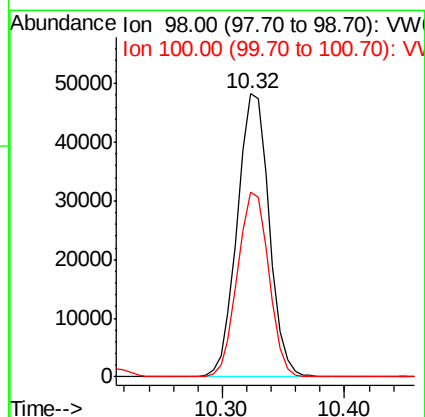
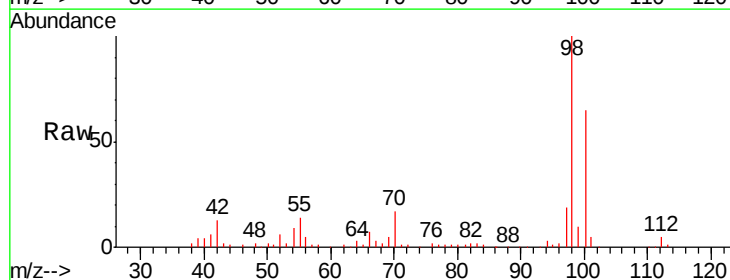
Acq: 18 Dec 2018 14:17

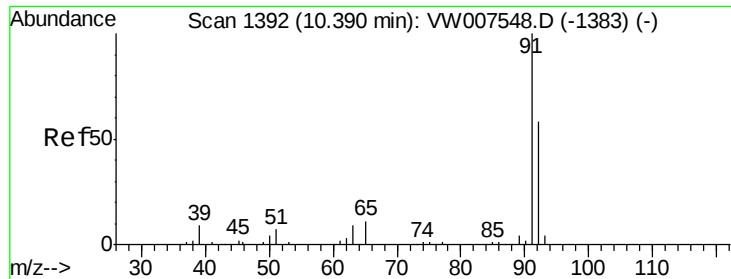
Tgt Ion: 98 Resp: 87216

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.8





#52

Toluene

Concen: 557.551 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 92 Resp: 993495

Ion Ratio Lower Upper

92 100

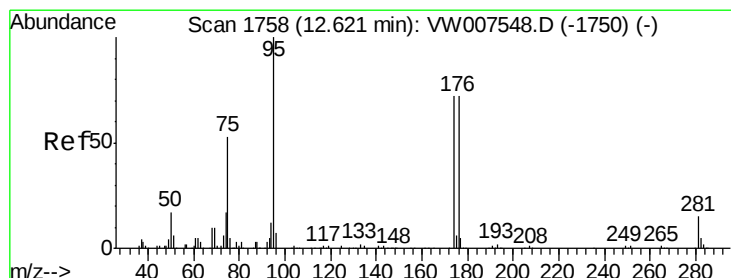
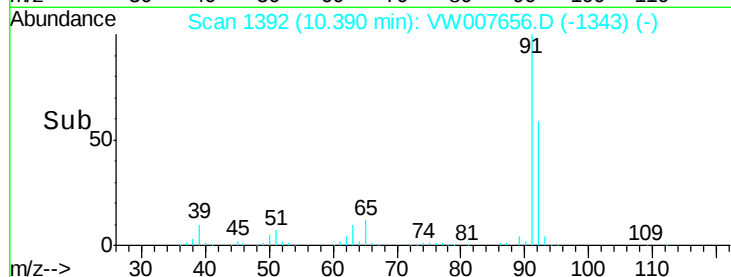
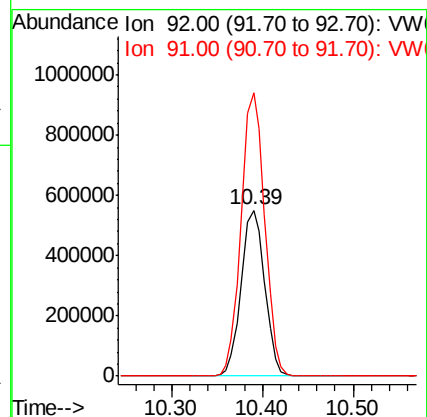
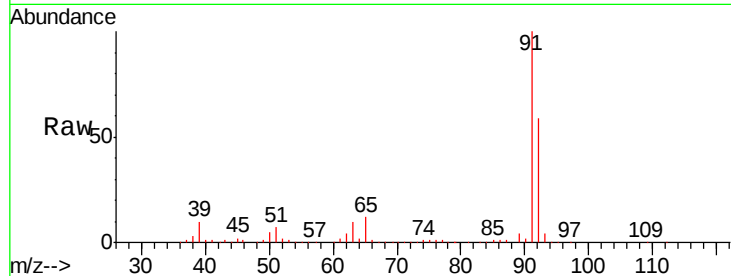
91 170.7 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 27.373 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

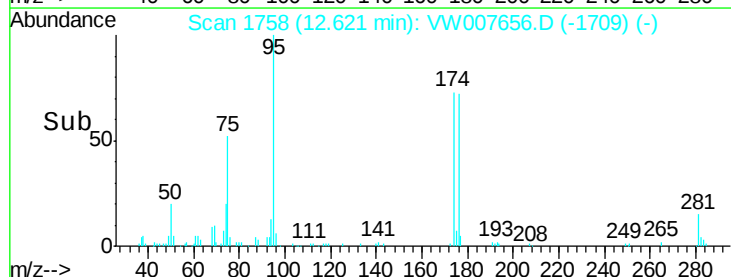
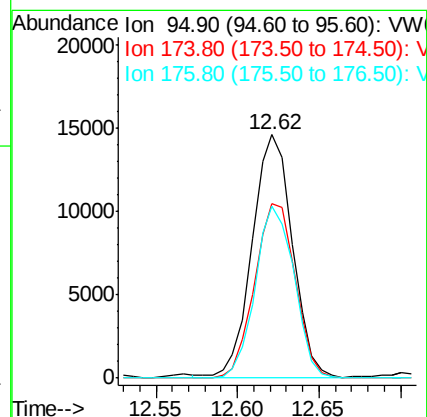
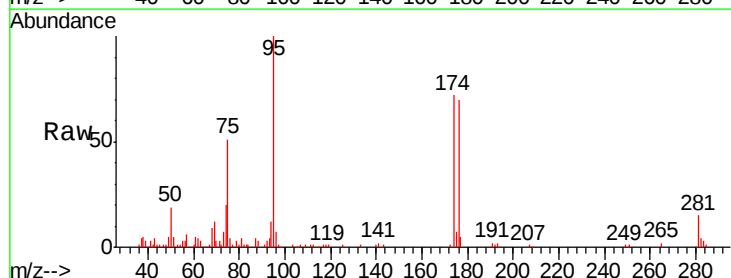
Tgt Ion: 95 Resp: 24845

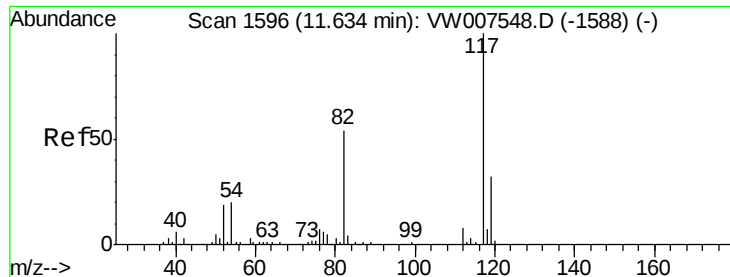
Ion Ratio Lower Upper

95 100

174 73.2 0.0 147.2

176 68.9 0.0 138.8





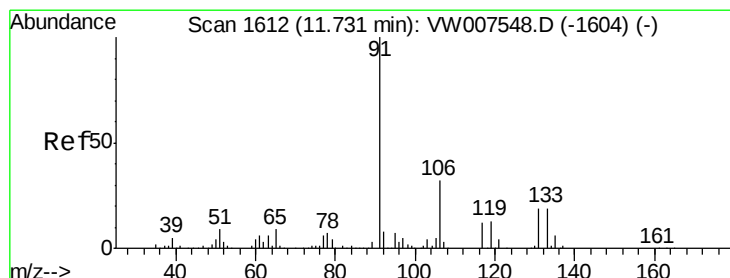
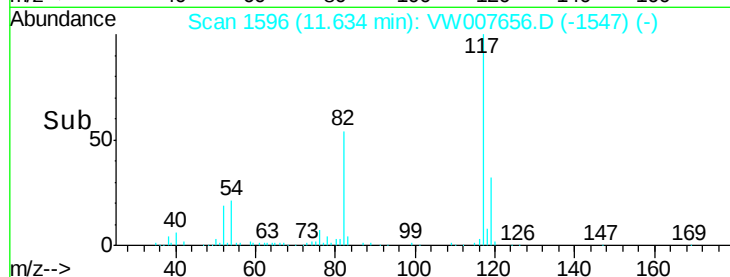
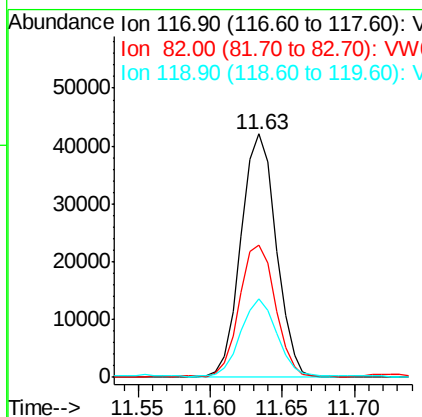
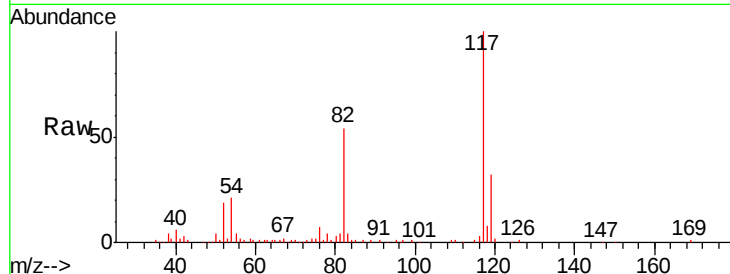
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.3	63.5
119	32.0	23.0	34.6

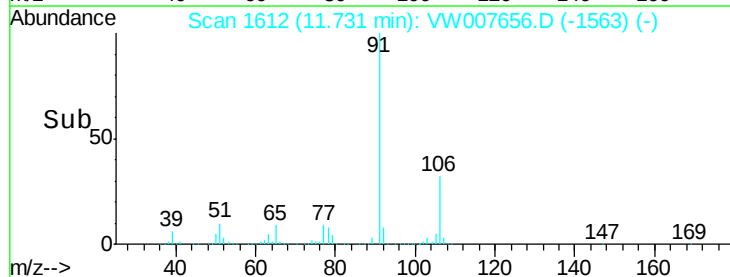
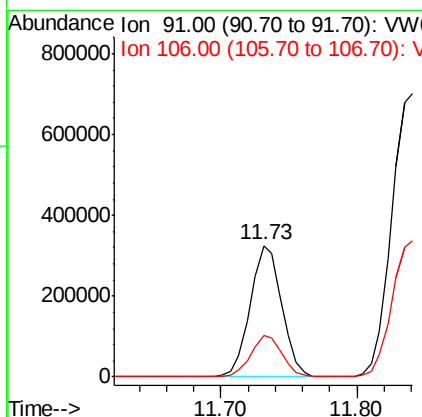
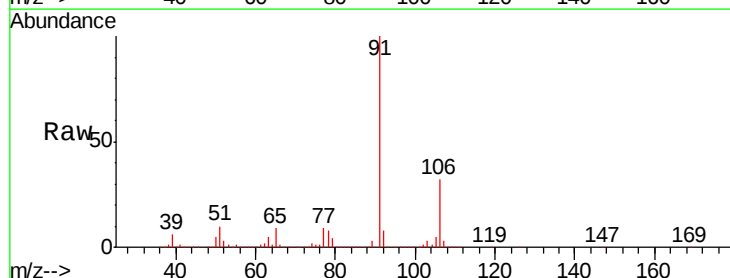
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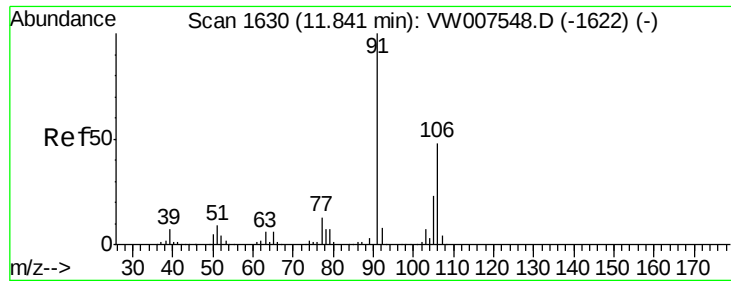
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#67
Ethyl Benzene
Concen: 206.712 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	21.8	32.8





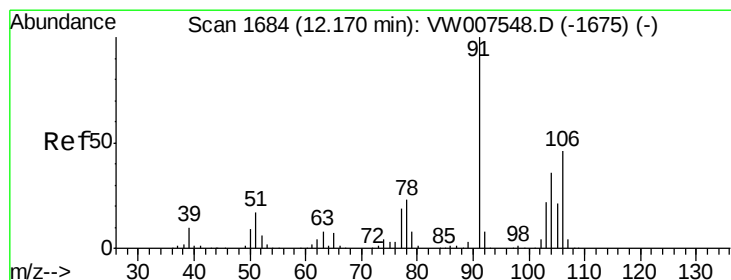
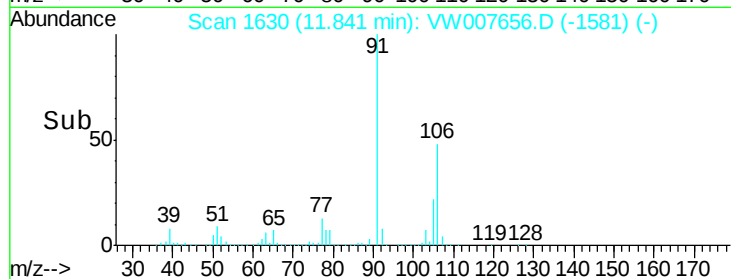
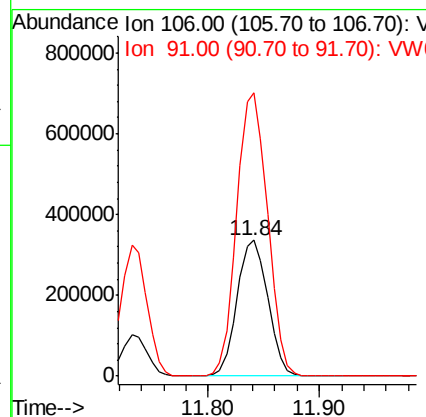
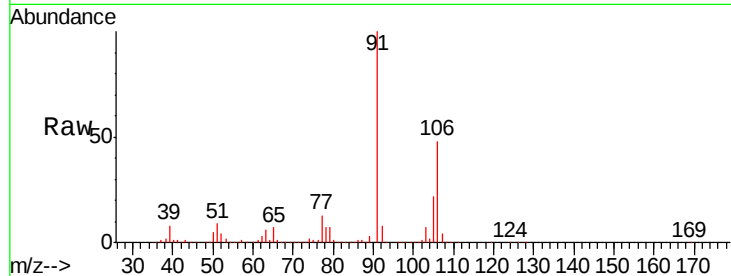
#68
m/p-Xylenes
Concen: 646.222 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion:106 Resp: 643526
Ion Ratio Lower Upper
106 100
91 209.2 165.3 247.9

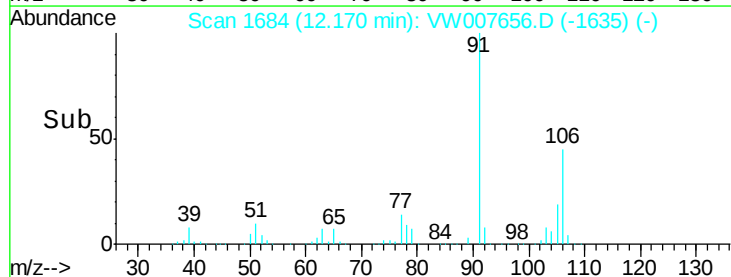
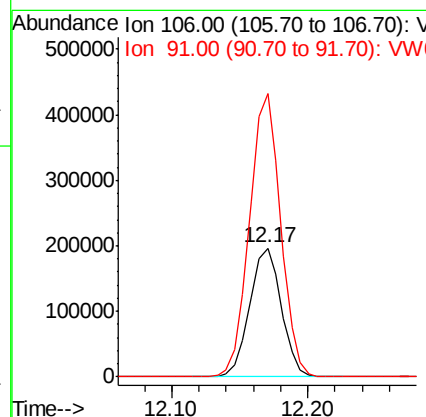
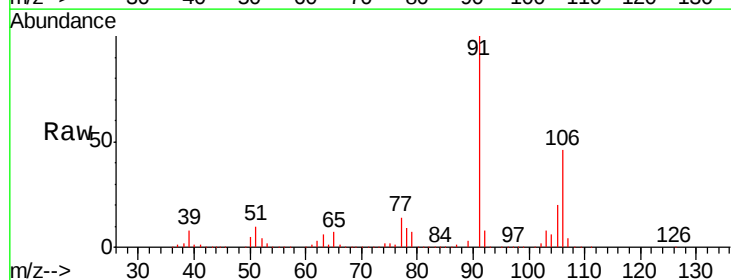
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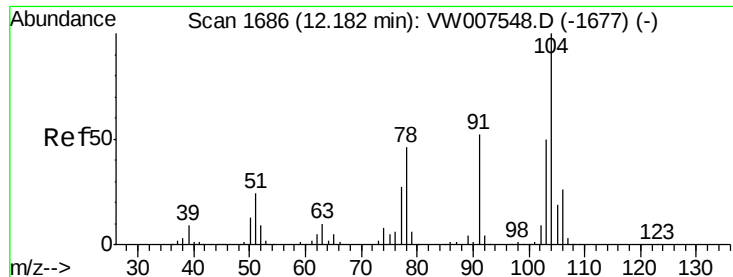
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#69
o-Xylene
Concen: 344.252 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Tgt Ion:106 Resp: 320167
Ion Ratio Lower Upper
106 100
91 216.8 106.6 319.8





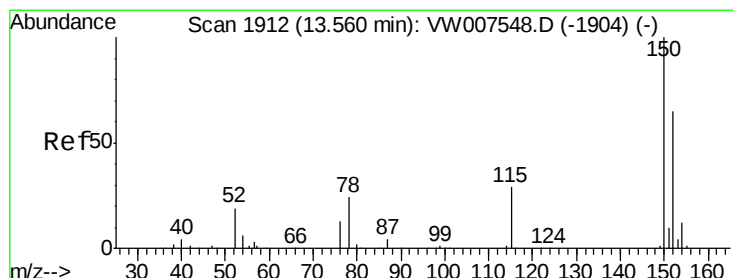
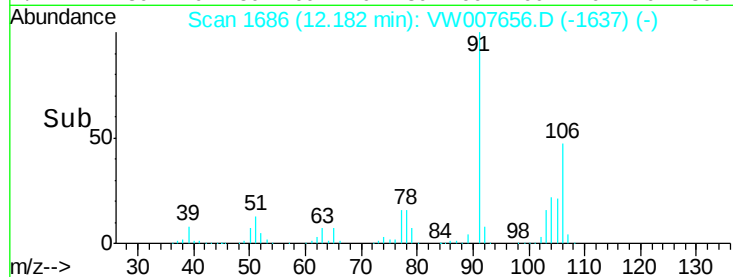
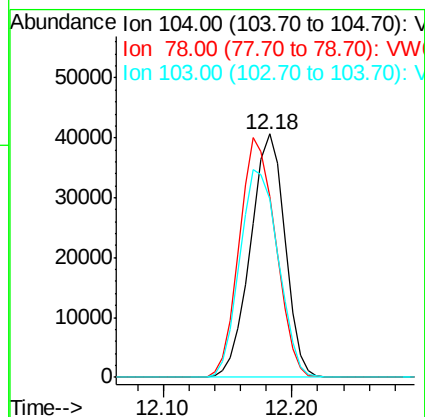
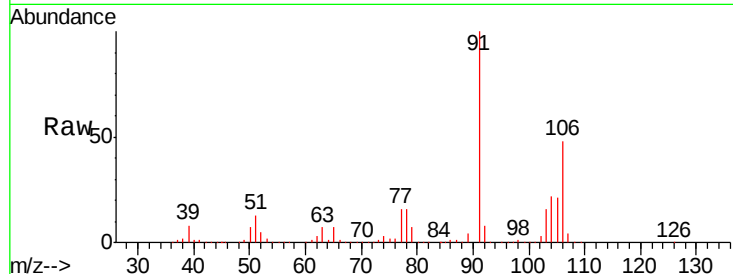
#70
Styrene
Concen: 50.019 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	103.9	41.8	62.8#
103	95.5	46.6	69.8#

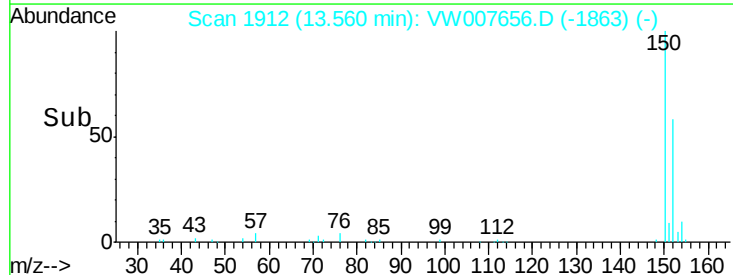
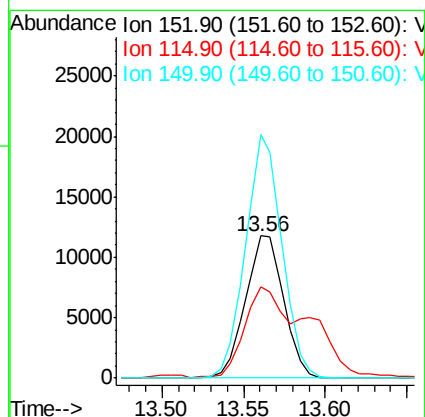
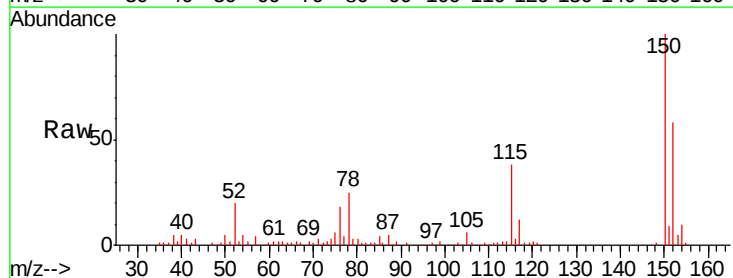
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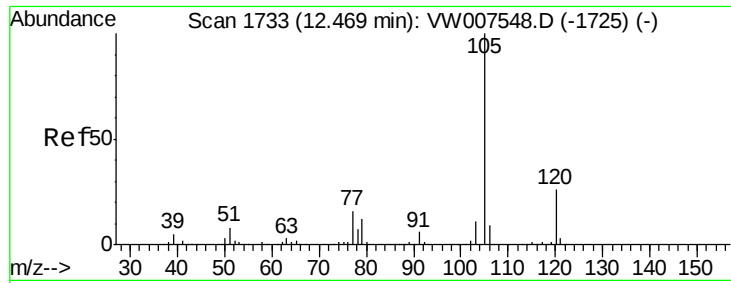
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	108.0	31.4	94.2#
150	162.8	0.0	358.4





#73

Isopropylbenzene

Concen: 28.748 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007656.D

Acq: 18 Dec 2018 14:17

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01

Tgt Ion: 105 Resp: 42289

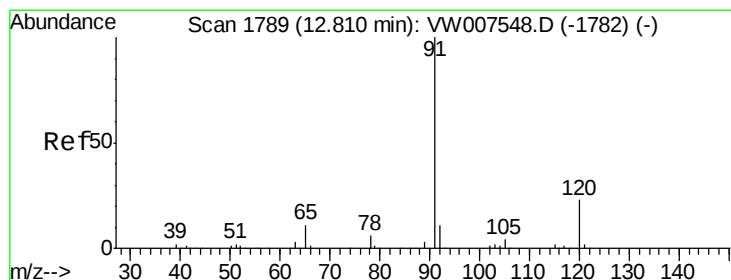
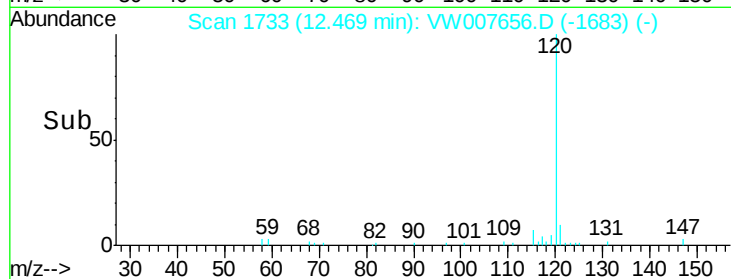
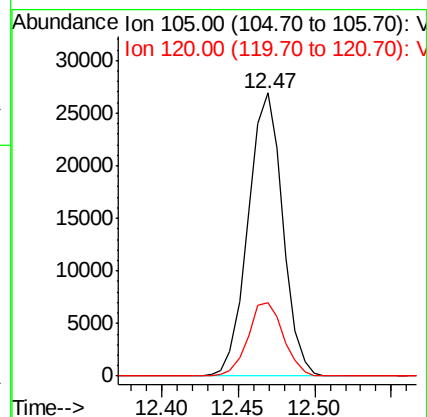
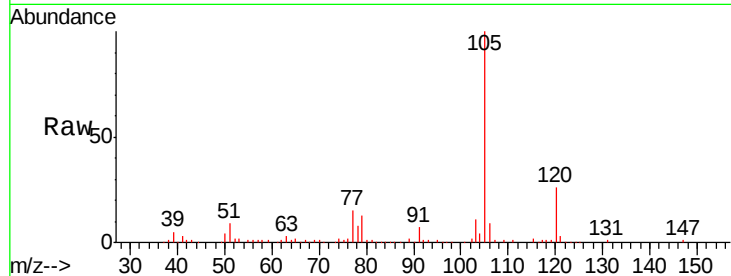
Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.4

Manual Integrations
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#78

n-propylbenzene

Concen: 83.987 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007656.D

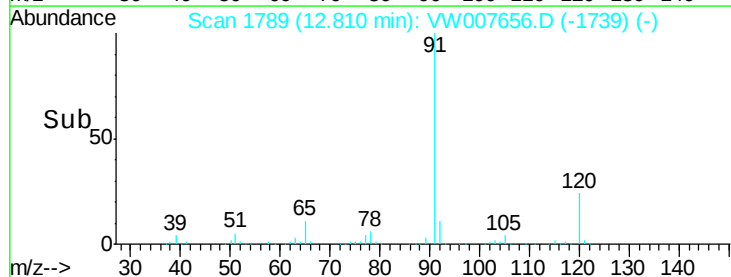
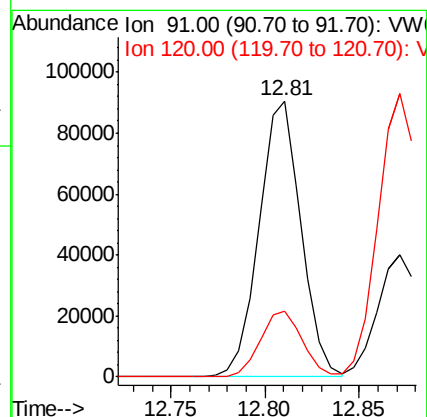
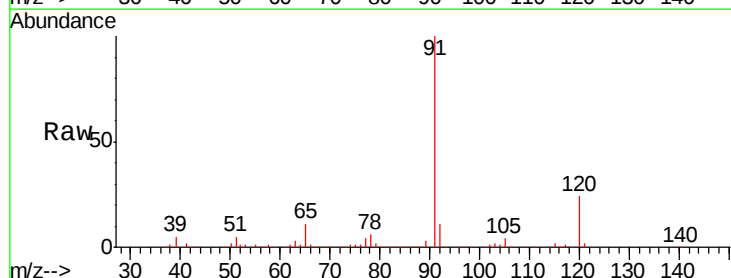
Acq: 18 Dec 2018 14:17

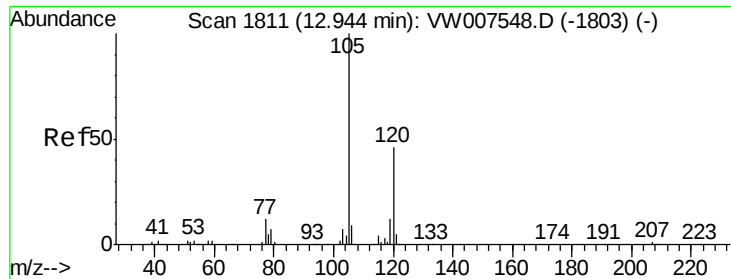
Tgt Ion: 91 Resp: 139041

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.5





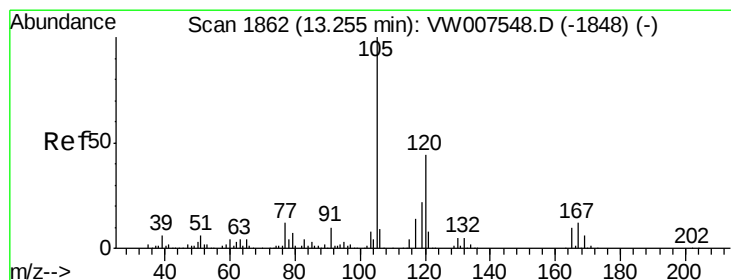
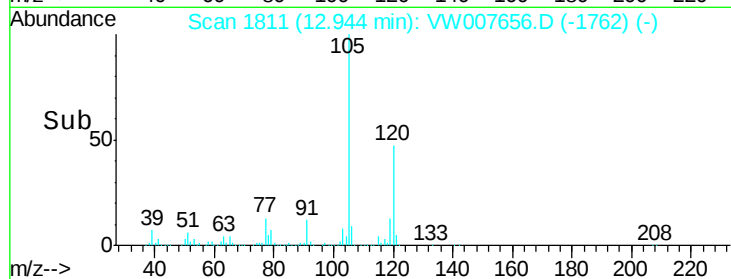
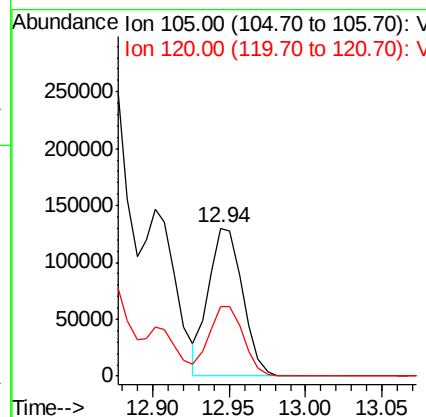
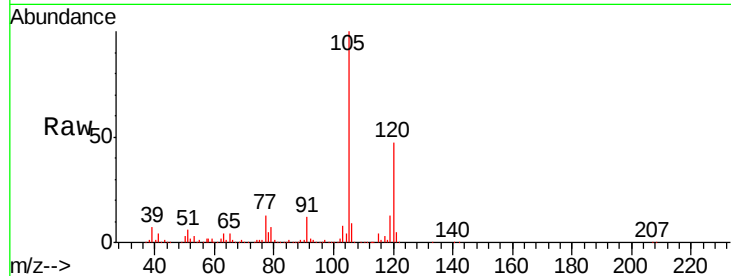
#80
 1,3,5-Trimethylbenzene
 Concen: 163.197 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Tgt Ion:105 Resp: 201716
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.4

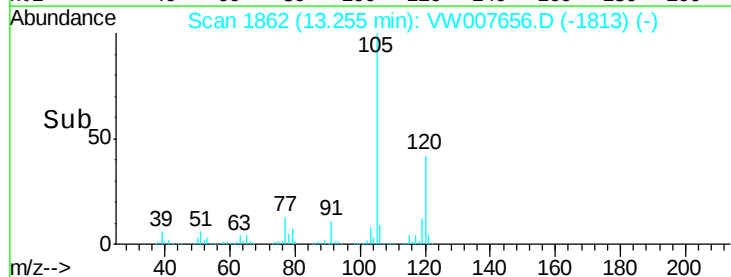
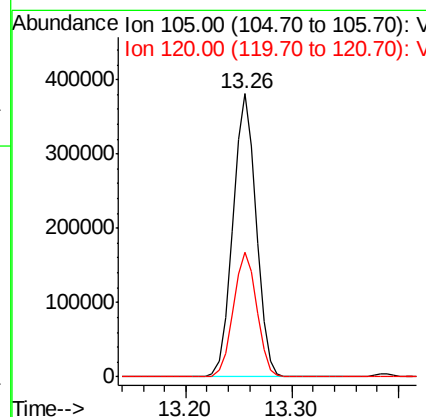
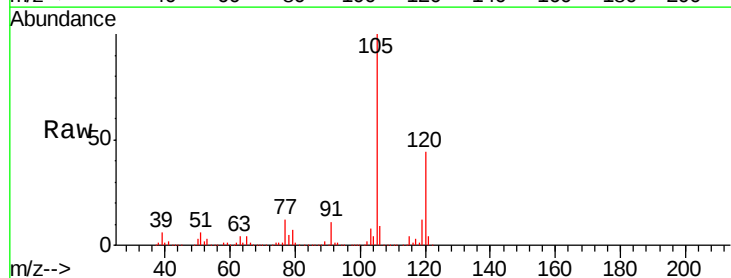
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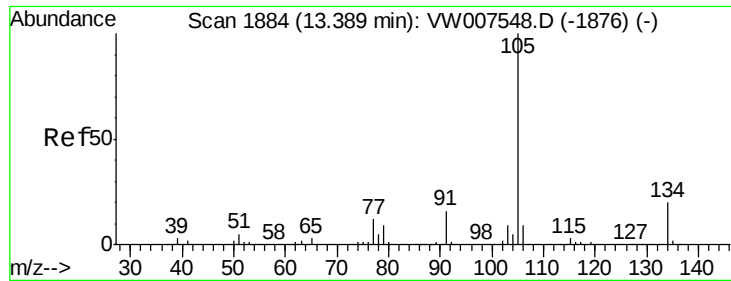
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#84
 1,2,4-Trimethylbenzene
 Concen: 459.026 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Tgt Ion:105 Resp: 583850
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.6 67.7





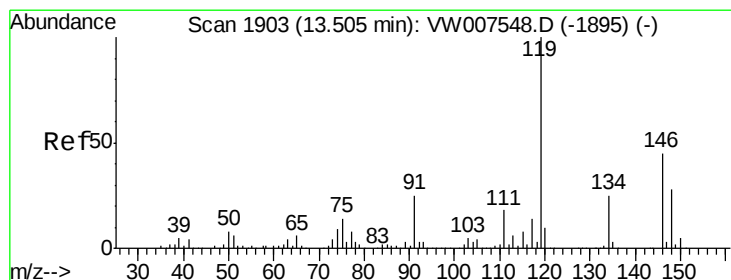
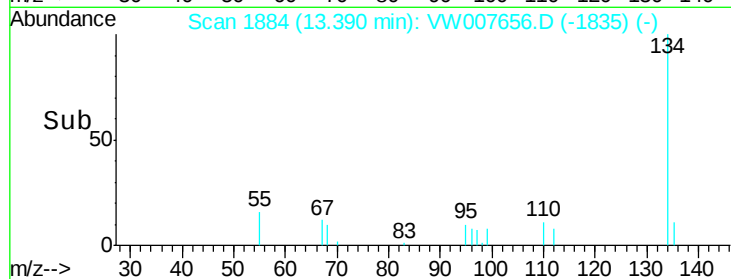
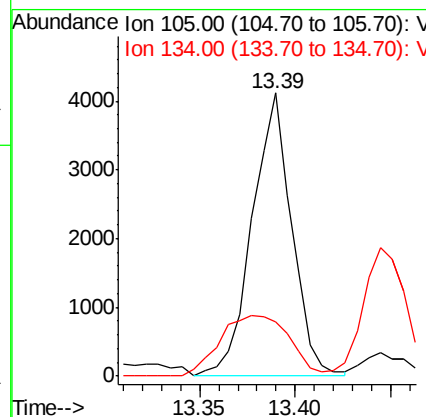
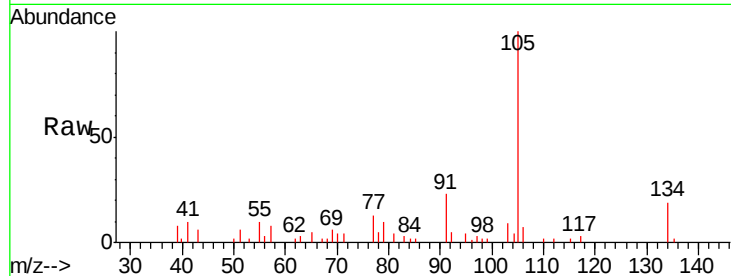
#85
 sec-Butylbenzene
 Concen: 3.961 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01

Tgt Ion:105 Resp: 5889
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#

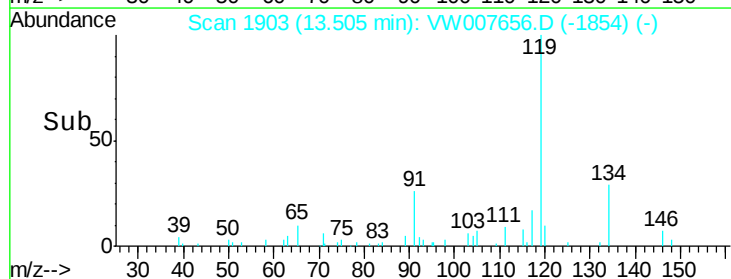
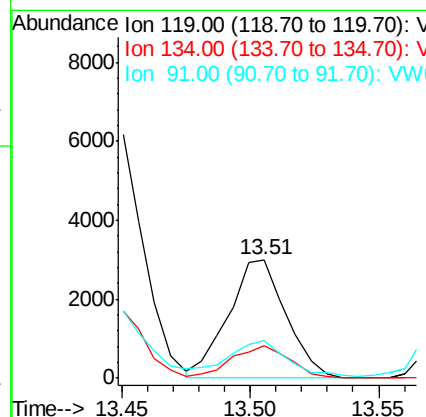
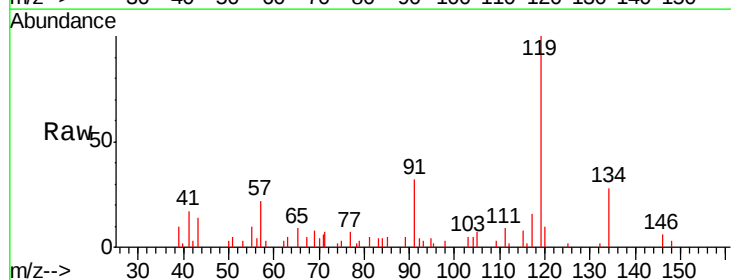
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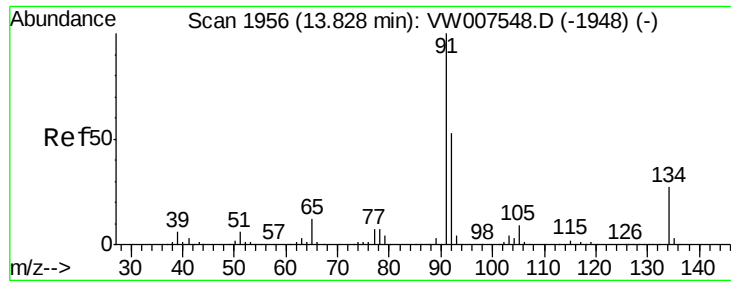
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#86
 p-Isopropyltoluene
 Concen: 3.532 ug/l m
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007656.D
 Acq: 18 Dec 2018 14:17

Tgt Ion:119 Resp: 4718
 Ion Ratio Lower Upper
 119 100
 134 61.6 12.9 38.7#
 91 56.9 11.9 35.9#





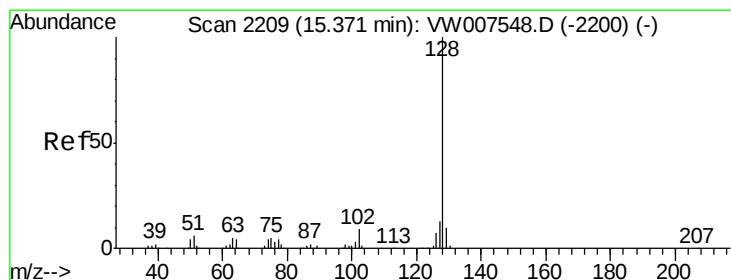
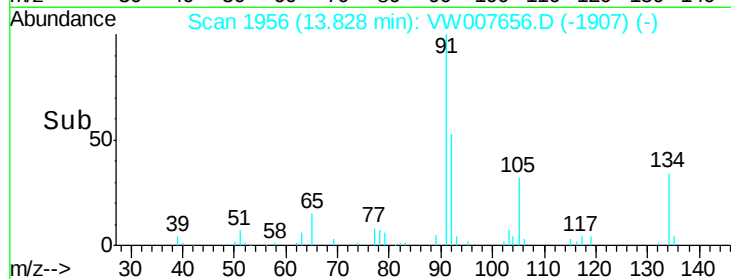
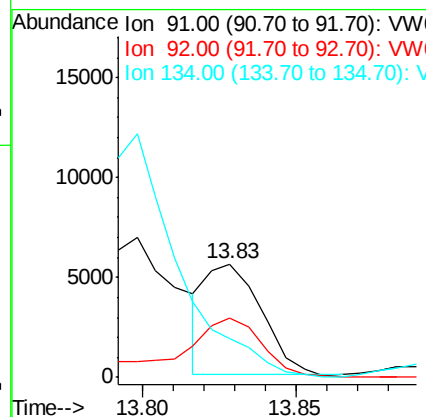
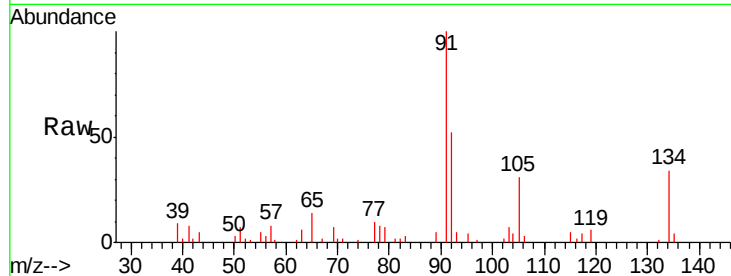
#89
n-Butylbenzene
Concen: 5.596 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01

Tgt Ion: 91 Resp: 6929
Ion Ratio Lower Upper
91 100
92 71.2 25.7 77.1
134 0.0 13.4 40.2#

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#95
Naphthalene
Concen: 49.984 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007656.D
Acq: 18 Dec 2018 14:17

Tgt Ion: 128 Resp: 38317
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 11.5 8.3 12.5

