

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007543.D
 Acq On : 14 Dec 2018 18:36
 Operator : SY/AP
 Sample : J6347-04
 Misc : 4.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0006-01

Manual Integrations
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Quant Time: Dec 15 01:41:49 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	52257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	88281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	51687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11644	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	37720	65.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.12%	
35) Dibromofluoromethane	7.88	113	29938	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
50) Toluene-d8	10.32	98	85468	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	
62) 4-Bromofluorobenzene	12.62	95	15759	21.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	17482	172.636	ug/l	95
25) 2-Butanone	7.17	43	9701	73.380	ug/l	90
31) Cyclohexane	7.96	56	210662	233.905	ug/l	96
39) Methylcyclohexane	9.34	83	268309	275.141	ug/l	94
40) Benzene	8.32	78	38630	17.285	ug/l	97
52) Toluene	10.39	92	18172	12.564	ug/l	98
65) Chlorobenzene	11.66	112	313212	290.732	ug/l	95
67) Ethyl Benzene	11.74	91	57899m	31.259	ug/l	
68) m/p-Xylenes	11.85	106	13340604	18527.061	ug/l #	71
73) Isopropylbenzene	12.47	105	118628	132.960	ug/l	99
78) n-propylbenzene	12.81	91	162664	162.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	223921	298.691	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	691674	896.585	ug/l	99
85) sec-Butylbenzene	13.39	105	9322m	10.338	ug/l	
86) p-Isopropyltoluene	13.51	119	63598	78.505	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	26483	67.163	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	226033	570.199	ug/l	98
89) n-Butylbenzene	13.83	91	9393	12.507	ug/l #	68
91) 1,2-Dichlorobenzene	13.88	146	6221	17.615	ug/l	88
95) Naphthalene	15.37	128	167938	361.193	ug/l	98

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

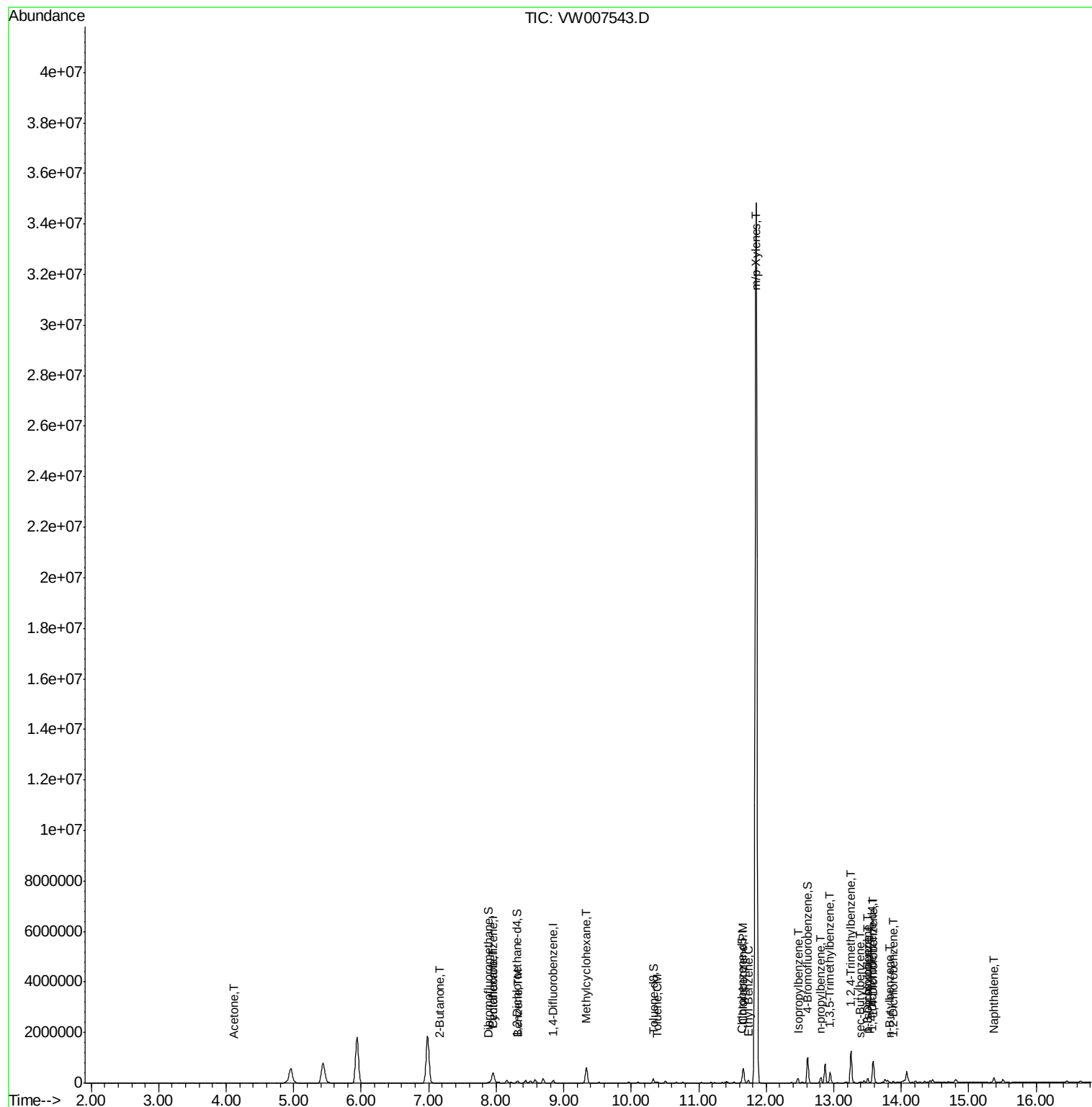
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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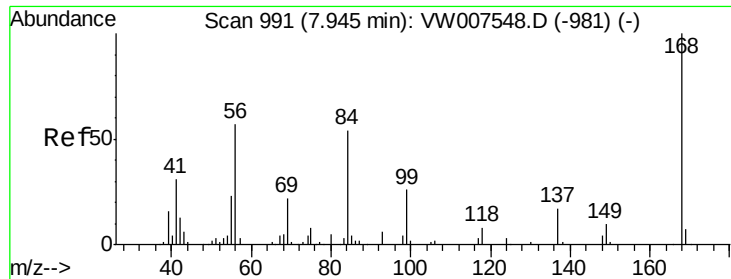
Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0006-01

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Quant Time: Dec 15 01:41:49 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# 992

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0006-01

Tgt Ion:168 Resp: 52257

Ion Ratio Lower Upper

168 100

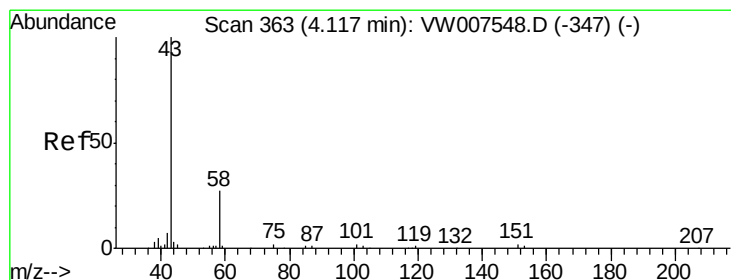
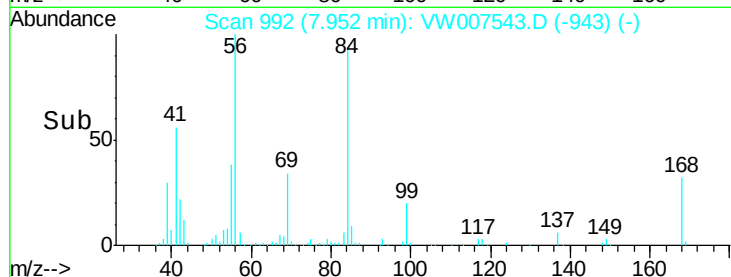
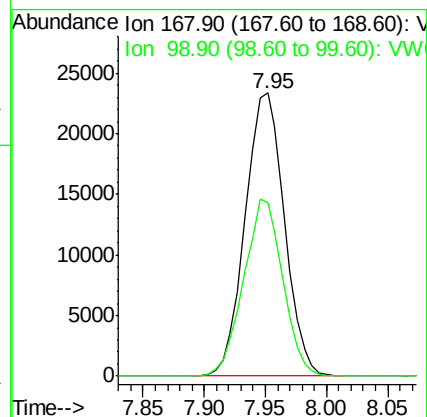
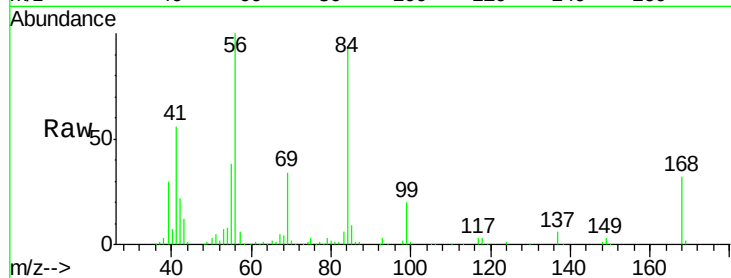
99 61.0 48.3 72.5

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#16

Acetone

Concen: 172.636 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007543.D

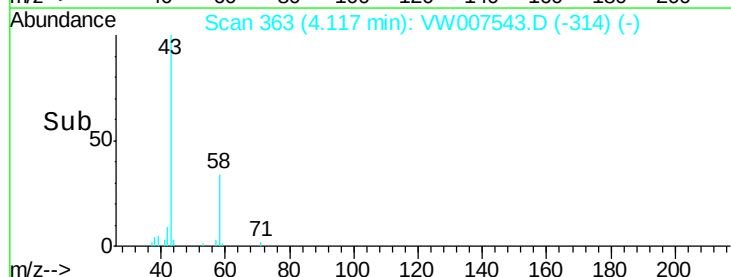
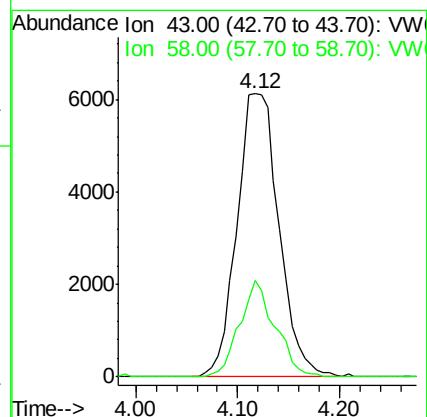
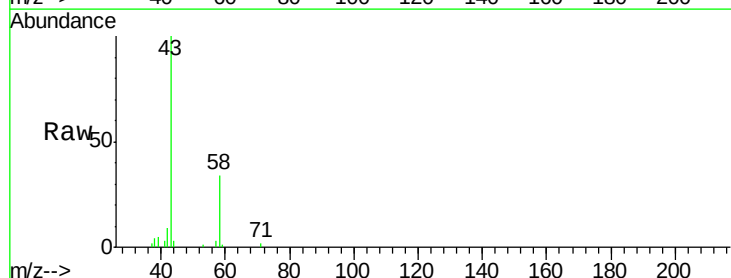
Acq: 14 Dec 2018 18:36

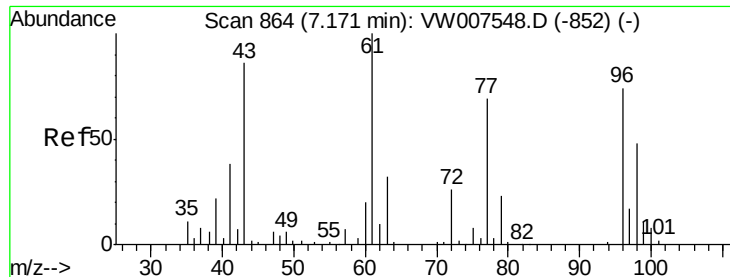
Tgt Ion: 43 Resp: 17482

Ion Ratio Lower Upper

43 100

58 33.9 24.9 37.3





#25

2-Butanone

Concen: 73.380 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0006-01

Tgt Ion: 43 Resp: 9701

Ion Ratio Lower Upper

43 100

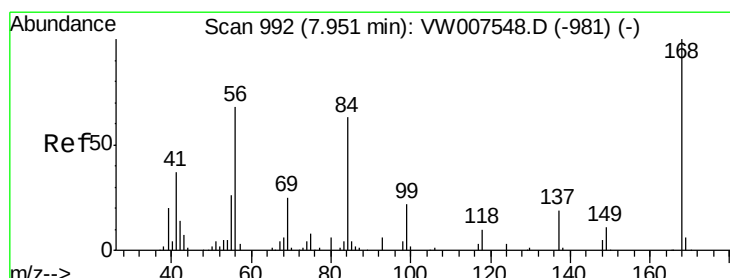
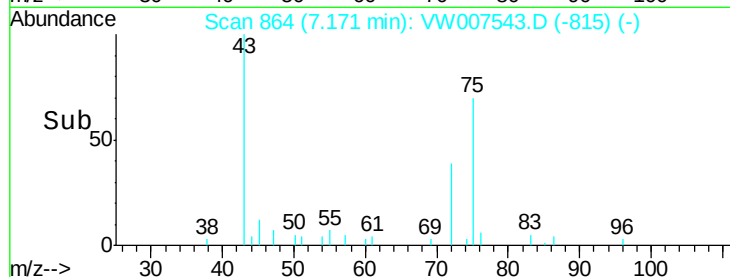
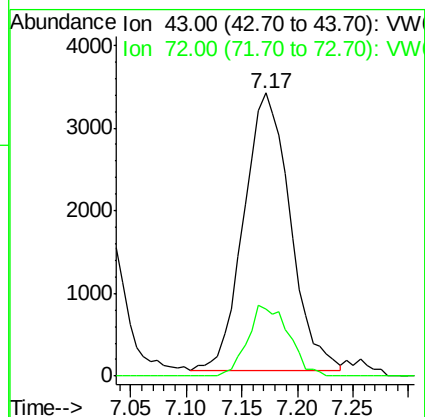
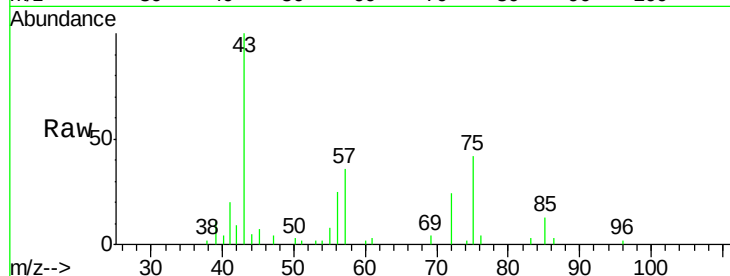
72 24.2 23.4 35.2

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#31

Cyclohexane

Concen: 233.905 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

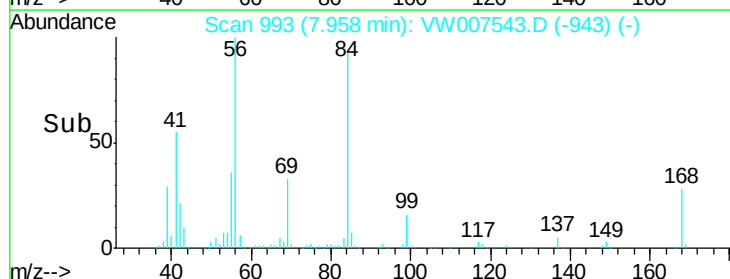
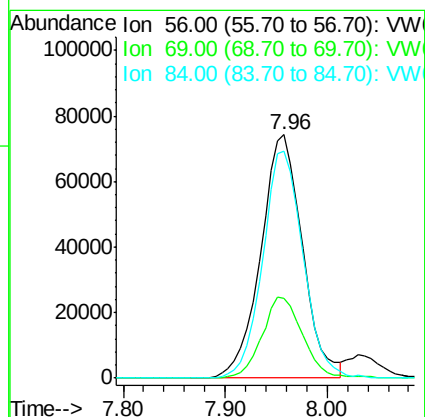
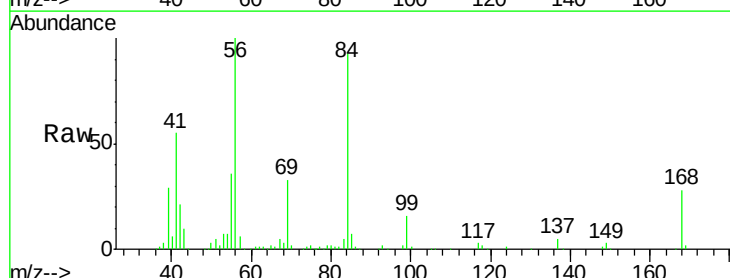
Tgt Ion: 56 Resp: 210662

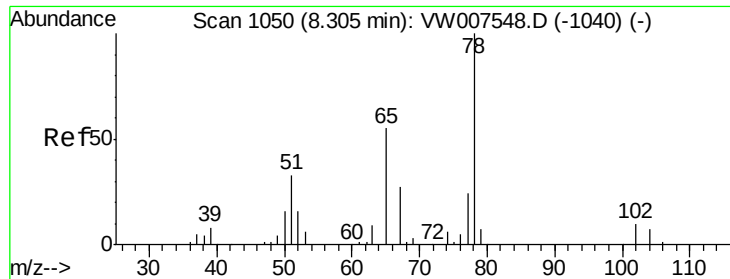
Ion Ratio Lower Upper

56 100

69 32.7 28.9 43.3

84 93.3 71.8 107.6





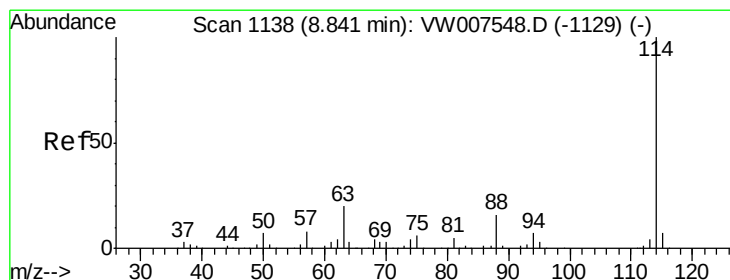
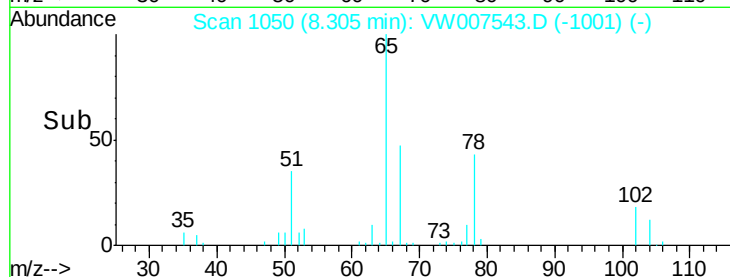
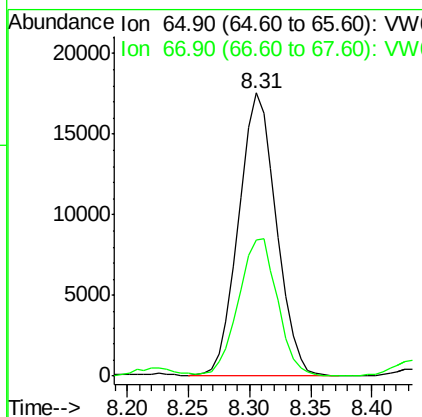
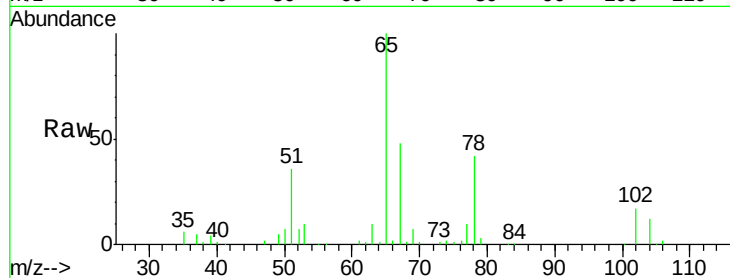
#33
 1,2-Dichloroethane-d4
 Concen: 65.063 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0006-01

Tgt Ion: 65 Resp: 37720
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6

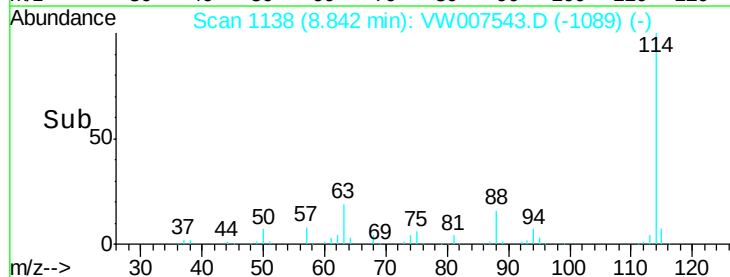
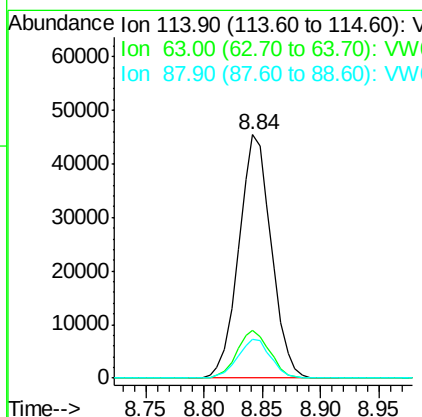
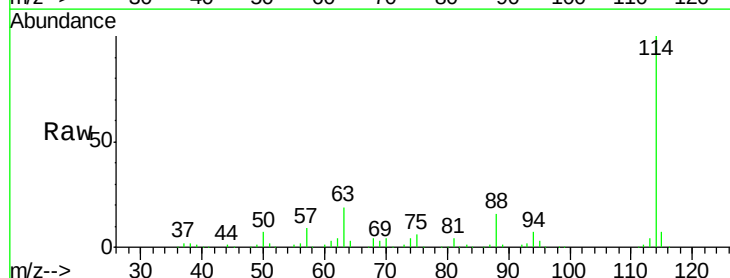
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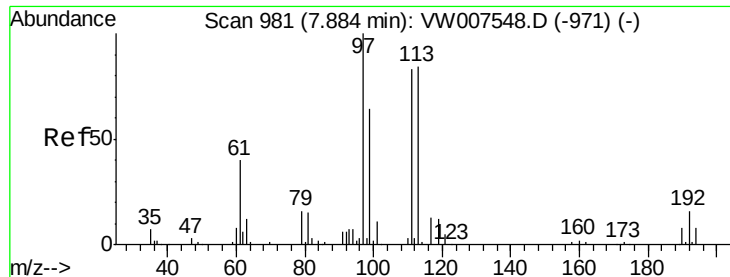
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Tgt Ion: 114 Resp: 88281
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 16.0 0.0 31.4





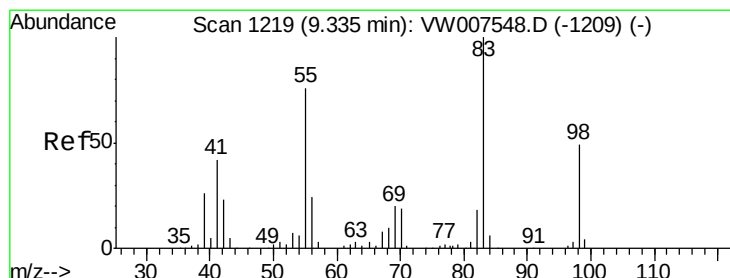
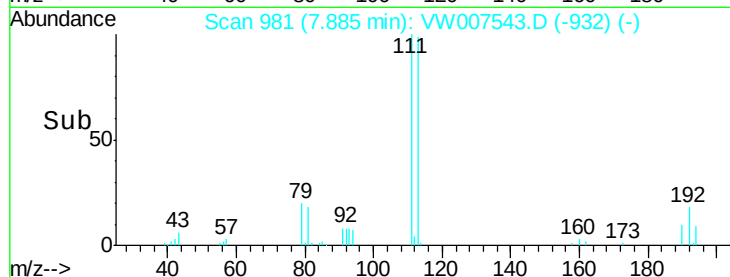
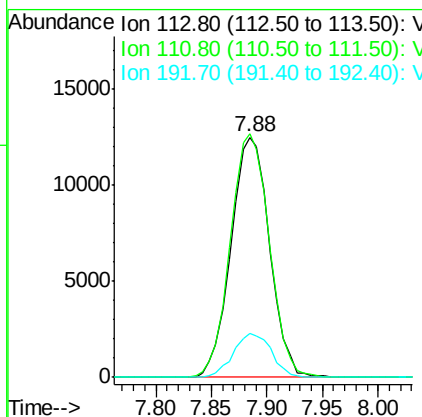
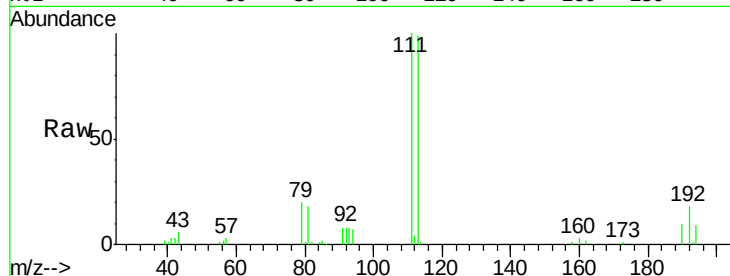
#35
 Dibromofluoromethane
 Concen: 56.022 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0006-01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.1	14.6	21.8

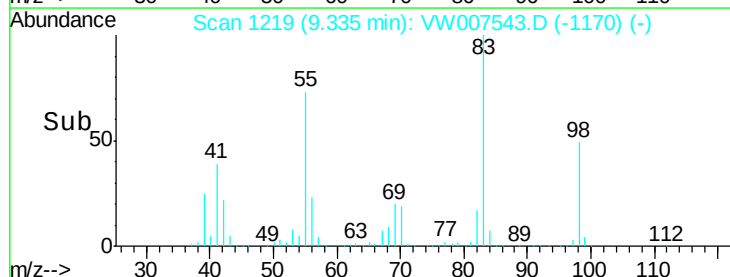
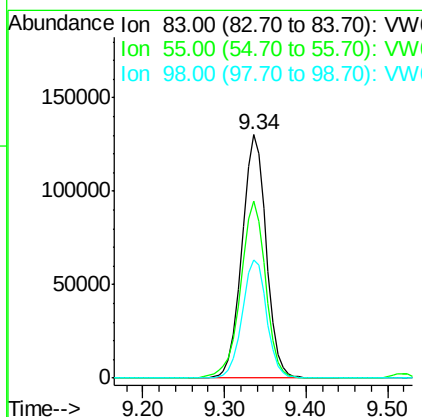
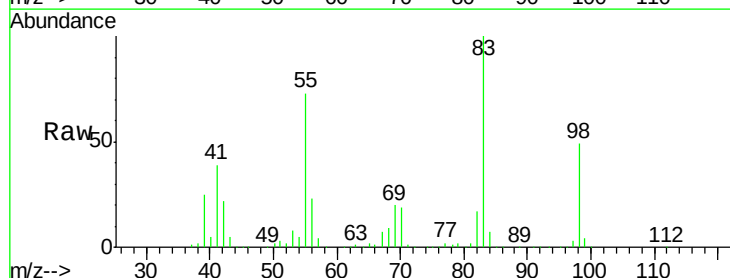
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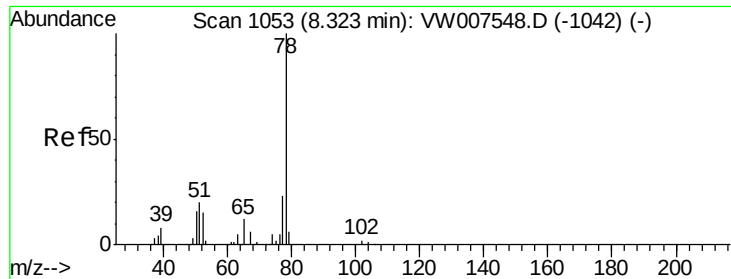
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#39
 Methylcyclohexane
 Concen: 275.141 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.6	62.8	94.2
98	48.8	42.2	63.2





#40

Benzene

Concen: 17.285 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0006-01

Tgt Ion: 78 Resp: 38630

Ion Ratio Lower Upper

78 100

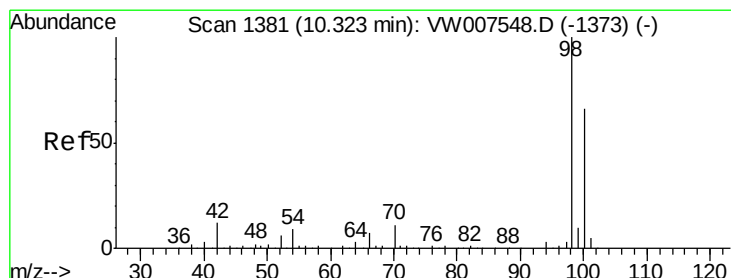
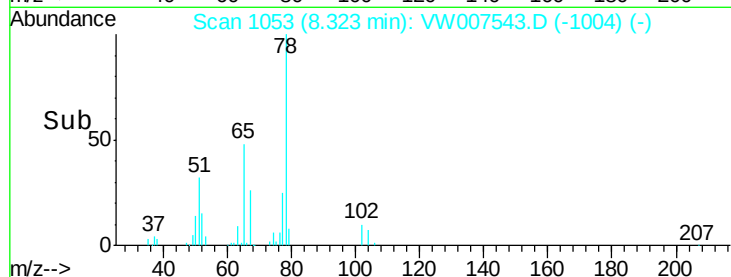
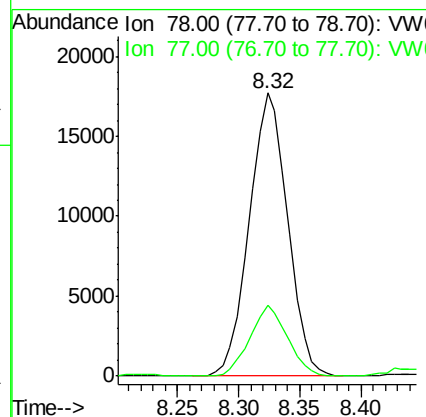
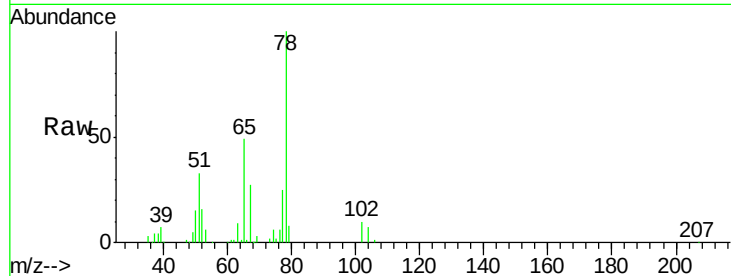
77 25.1 18.8 28.2

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#50

Toluene-d8

Concen: 42.655 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007543.D

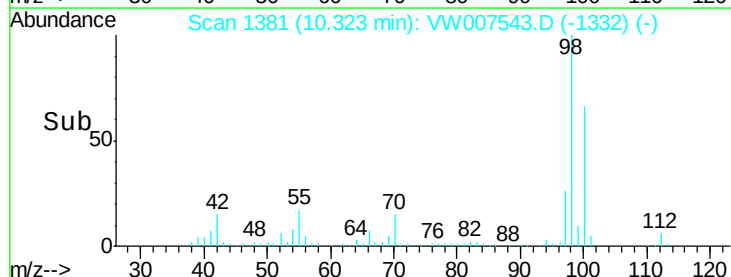
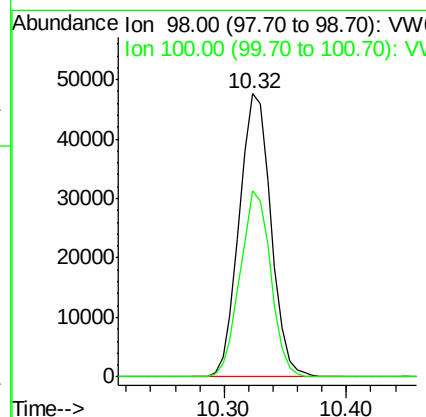
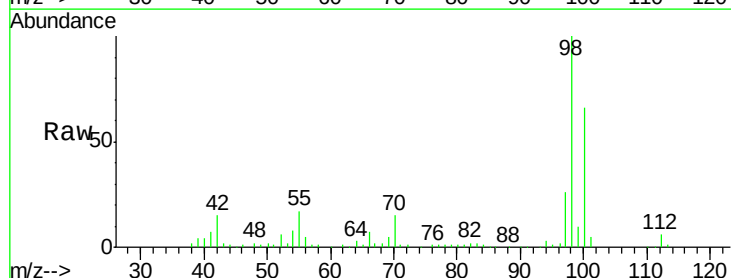
Acq: 14 Dec 2018 18:36

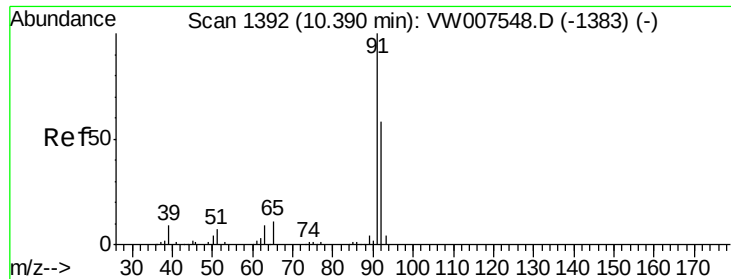
Tgt Ion: 98 Resp: 85468

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8





#52

Toluene

Concen: 12.564 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0006-01

Tgt Ion: 92 Resp: 18172

Ion Ratio Lower Upper

92 100

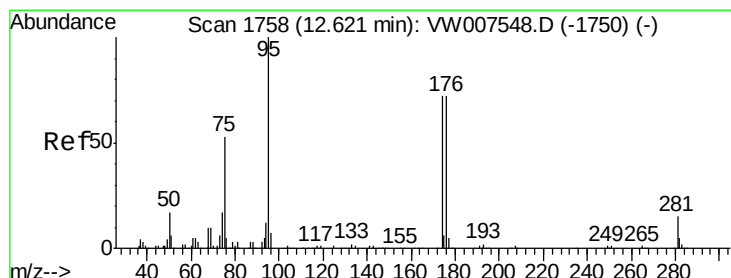
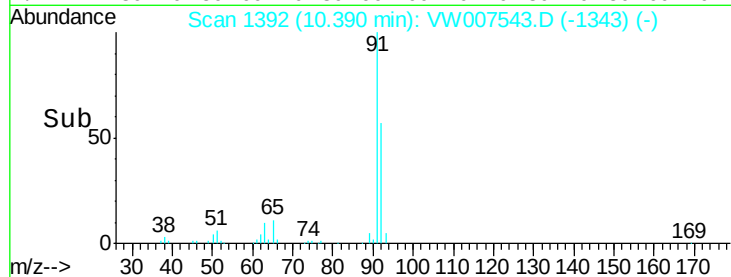
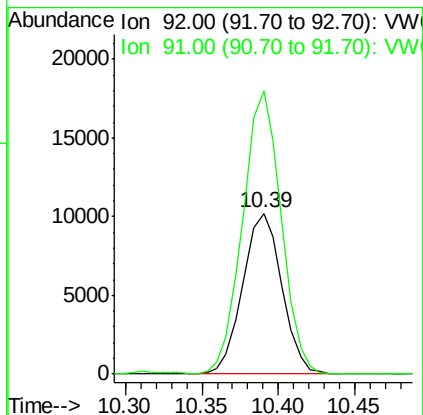
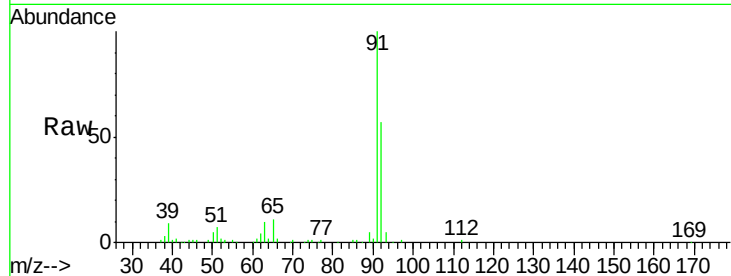
91 173.3 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 21.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

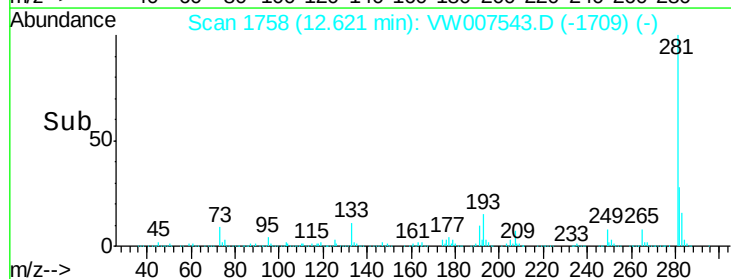
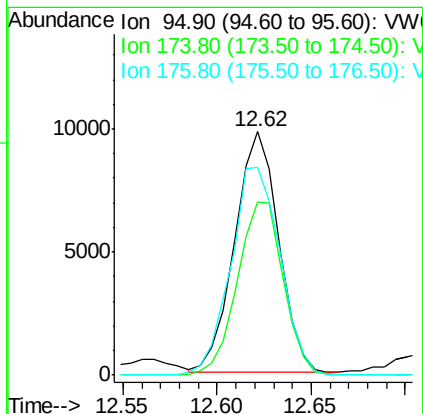
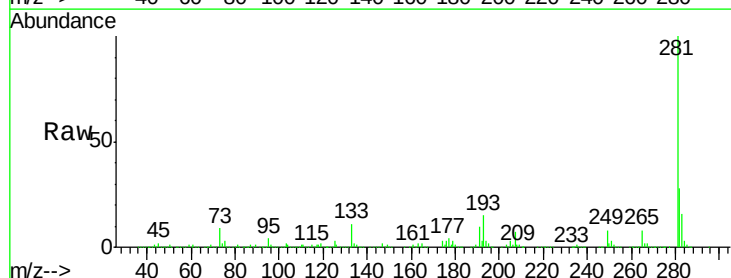
Tgt Ion: 95 Resp: 15759

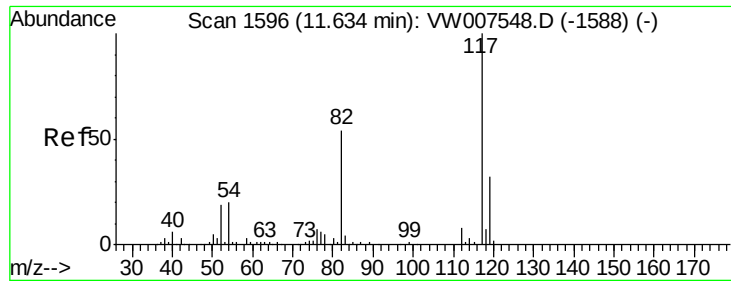
Ion Ratio Lower Upper

95 100

174 75.2 0.0 147.2

176 97.2 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: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

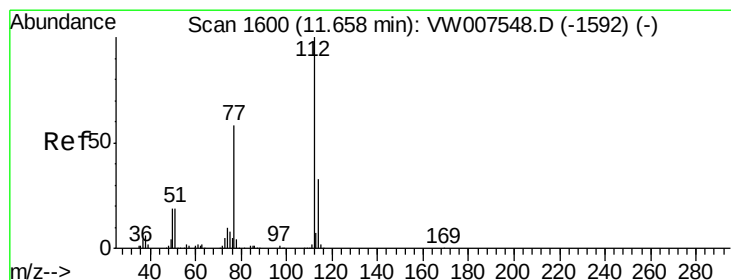
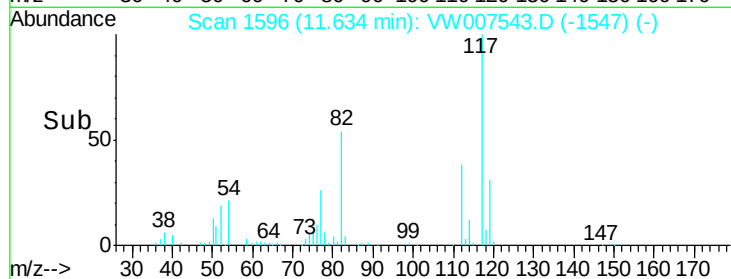
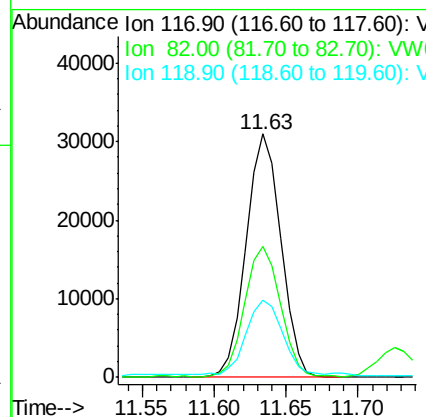
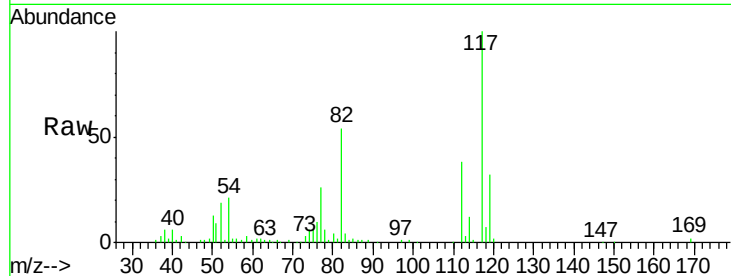
ClientSampleId :

P001-SD002-0006-01

Tgt Ion:	117	Resp:	51687
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.3	63.5
119	30.7	23.0	34.6

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#65

Chlorobenzene

Concen: 290.732 ug/l

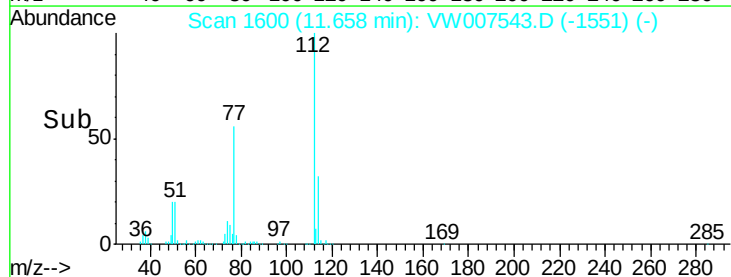
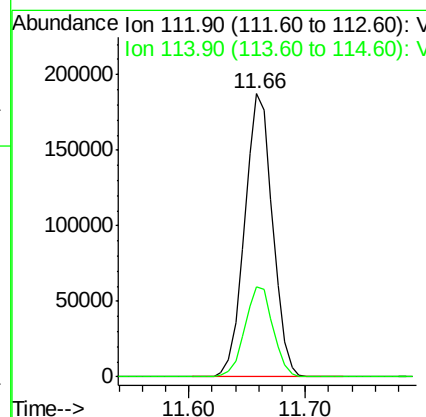
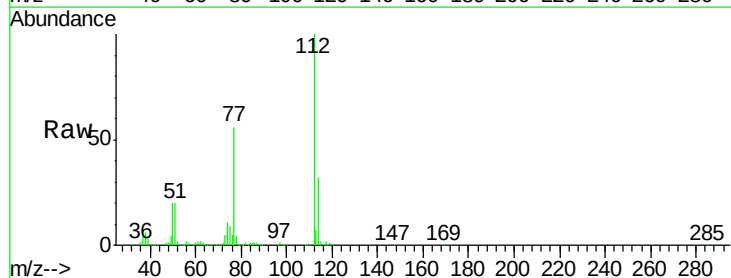
RT: 11.66 min Scan# 1600

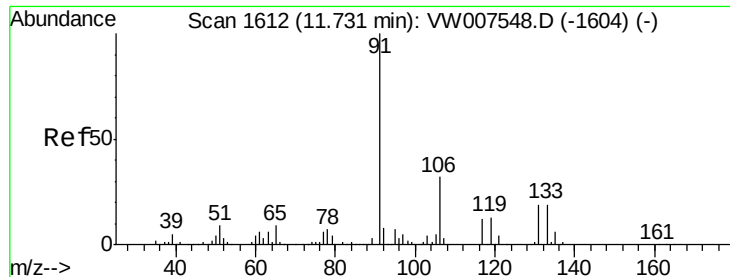
Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Tgt Ion:	112	Resp:	313212
Ion Ratio	Lower	Upper	
112	100		
114	32.0	27.8	41.8





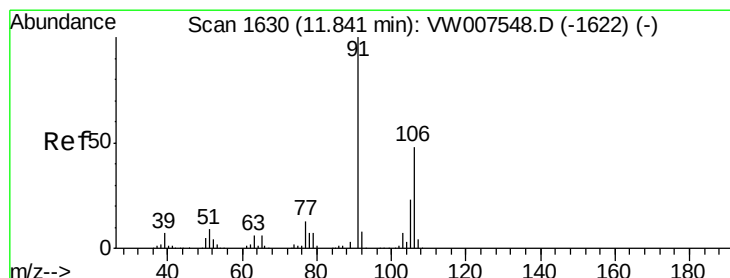
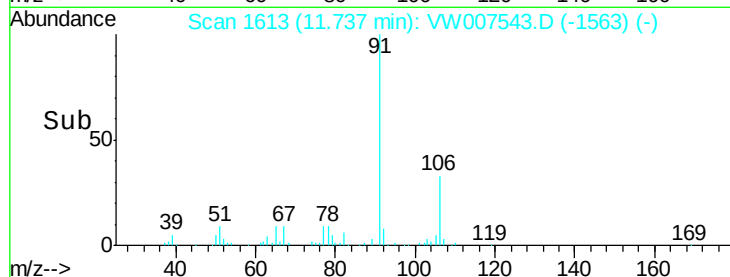
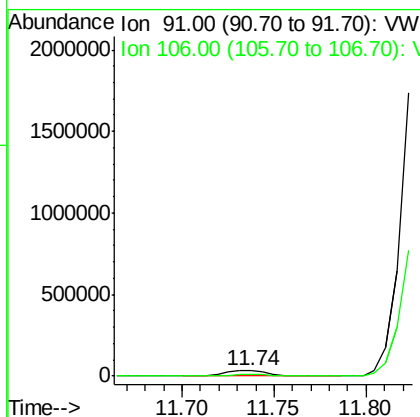
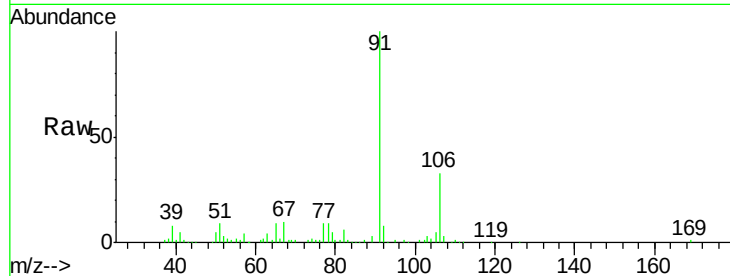
#67
Ethyl Benzene
Concen: 31.259 ug/l m
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0006-01

Tgt Ion: 91 Resp: 57899
Ion Ratio Lower Upper
91 100
106 32.7 21.8 32.8

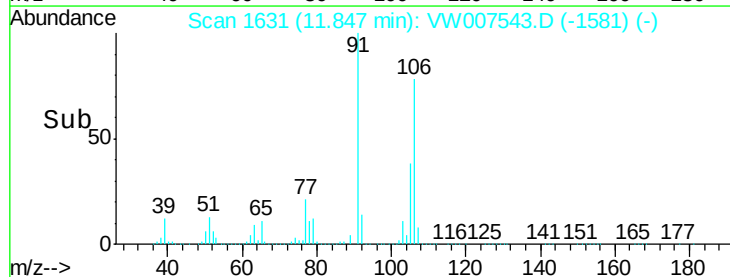
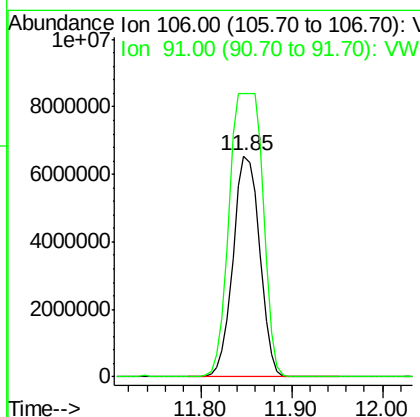
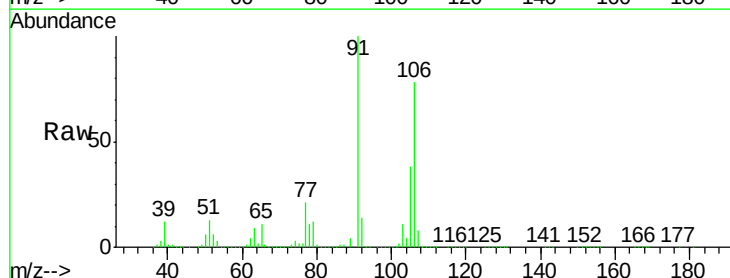
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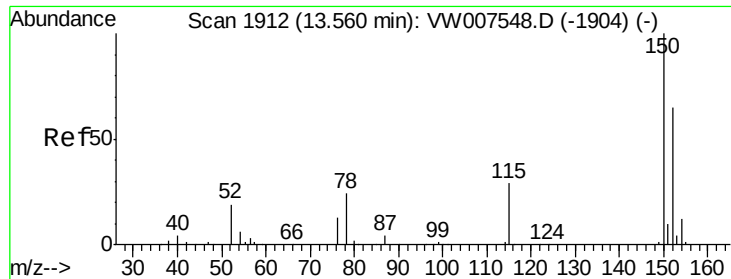
apatel
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#68
m/p-Xylenes
Concen: 18527.061 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Tgt Ion: 106 Resp: 13340604
Ion Ratio Lower Upper
106 100
91 162.0 165.3 247.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

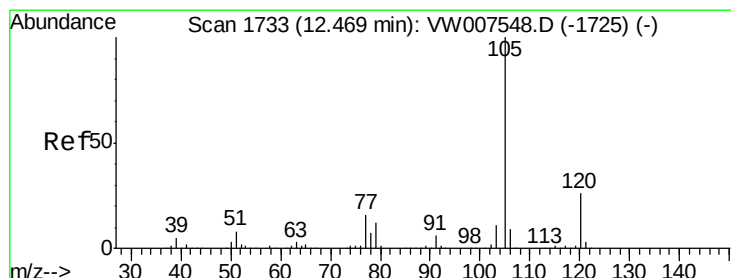
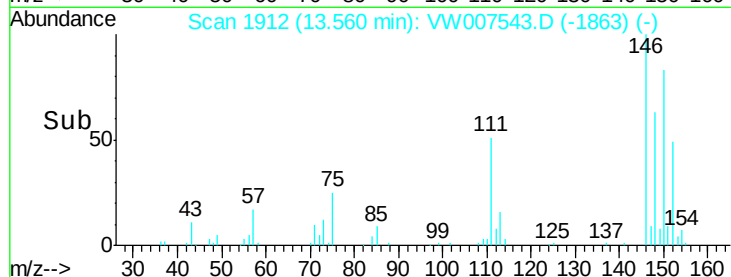
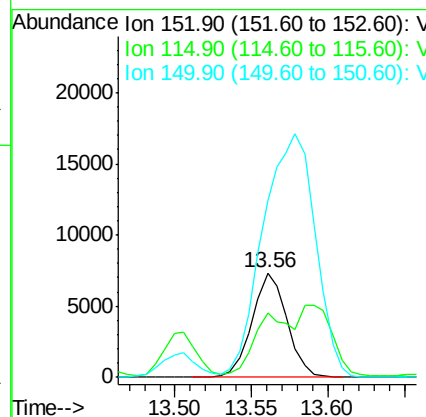
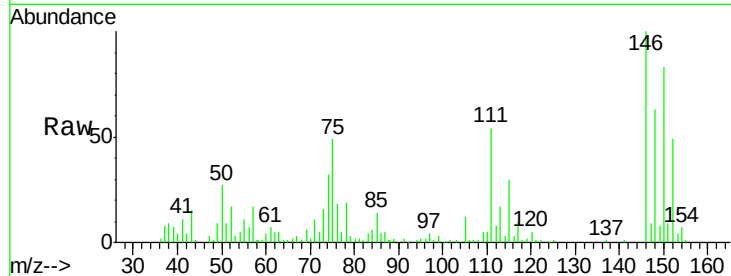
ClientSampleId :

P001-SD002-0006-01

Tgt Ion:	152	Resp:	11644
Ion Ratio	Lower	Upper	
152	100		
115	66.3	31.4	94.2
150	0.0	0.0	358.4

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#73

Isopropylbenzene

Concen: 132.960 ug/l

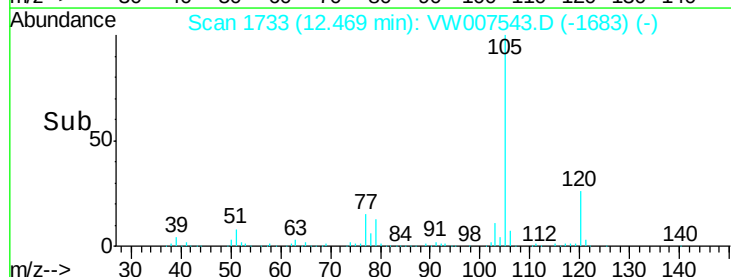
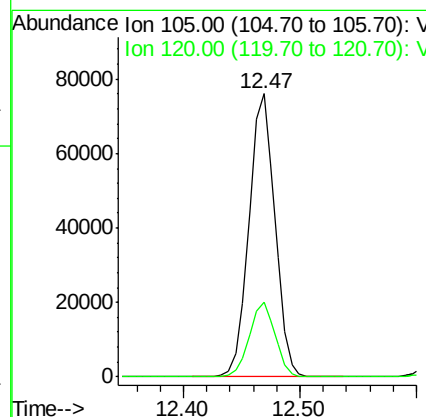
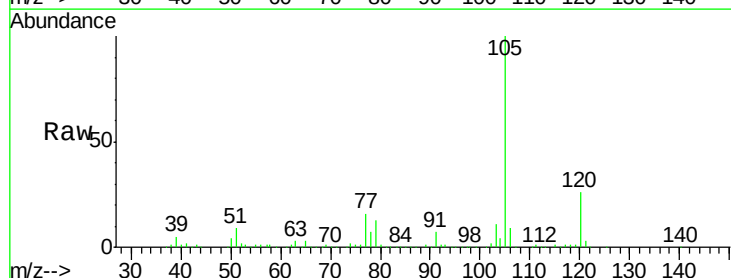
RT: 12.47 min Scan# 1733

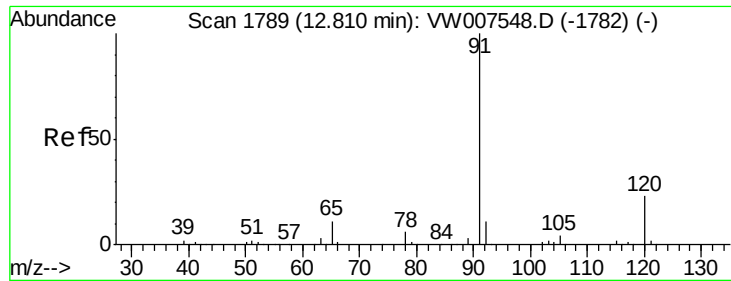
Delta R.T. 0.01 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Tgt Ion:	105	Resp:	118628
Ion Ratio	Lower	Upper	
105	100		
120	26.2	12.8	38.4





#78

n-propylbenzene

Concen: 162.000 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

P001-SD002-0006-01

Tgt Ion: 91 Resp: 162664

Ion Ratio Lower Upper

91 100

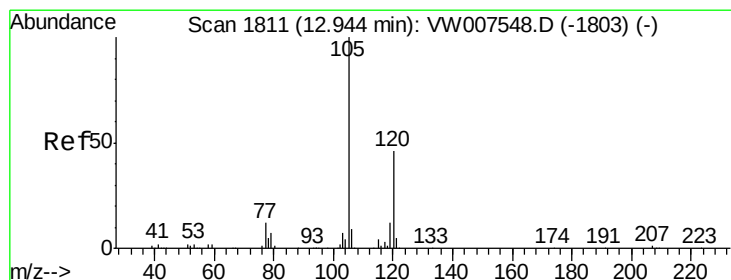
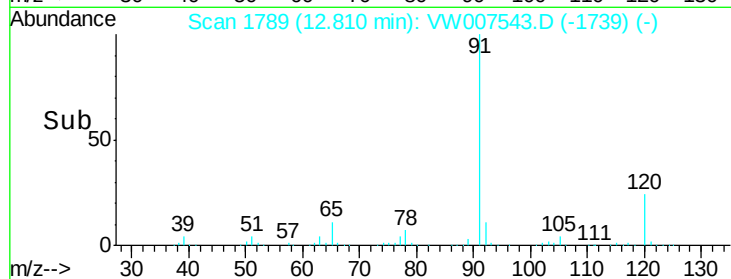
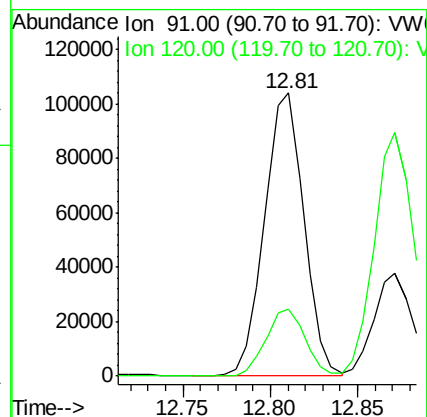
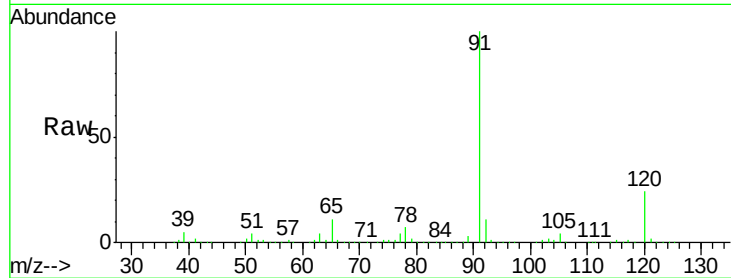
120 23.6 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 298.691 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007543.D

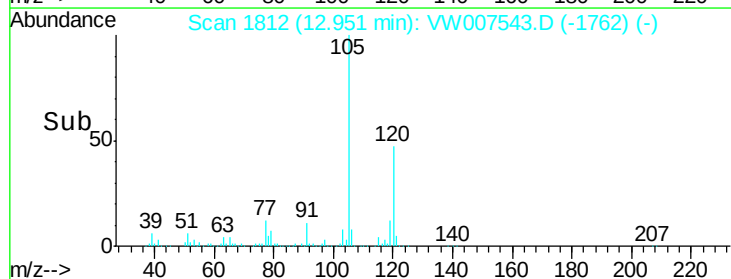
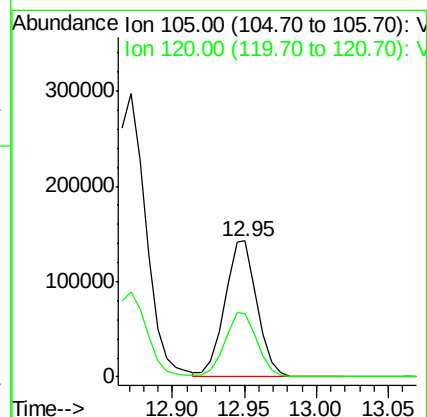
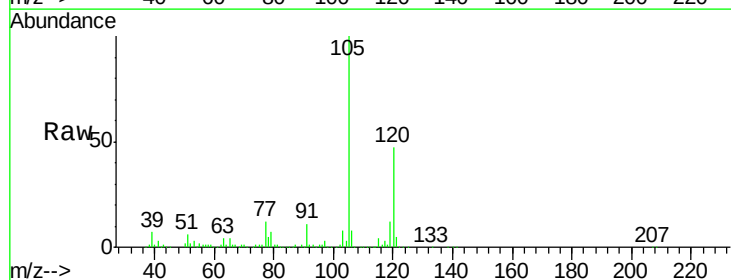
Acq: 14 Dec 2018 18:36

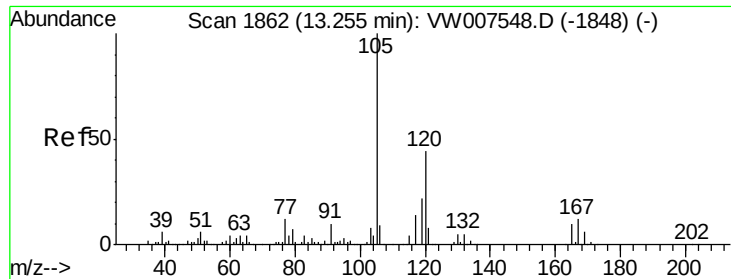
Tgt Ion: 105 Resp: 223921

Ion Ratio Lower Upper

105 100

120 47.4 23.8 71.4





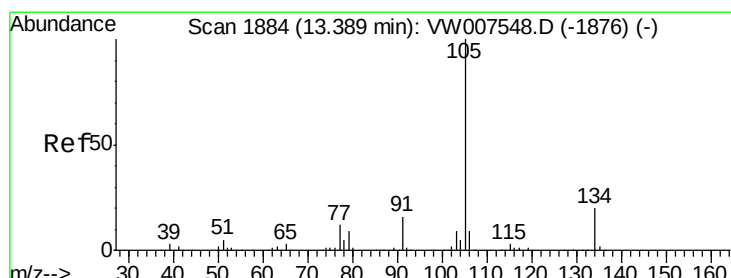
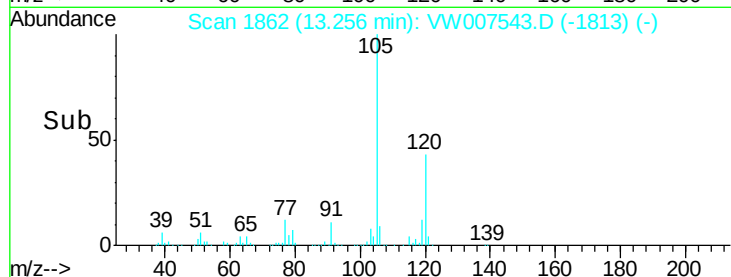
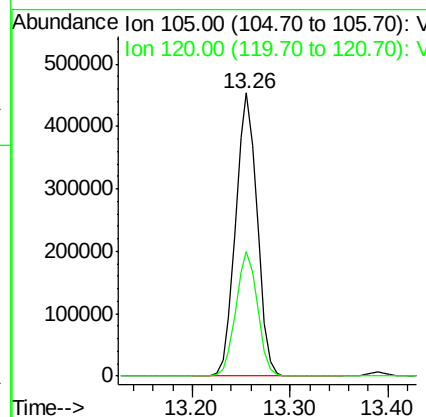
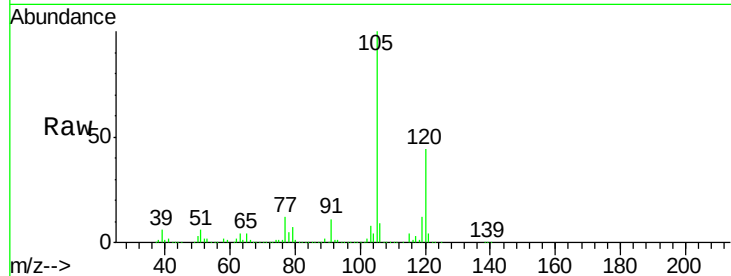
#84
1,2,4-Trimethylbenzene
Concen: 896.585 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0006-01

Tgt Ion:105 Resp: 691674
Ion Ratio Lower Upper
105 100
120 44.2 22.6 67.7

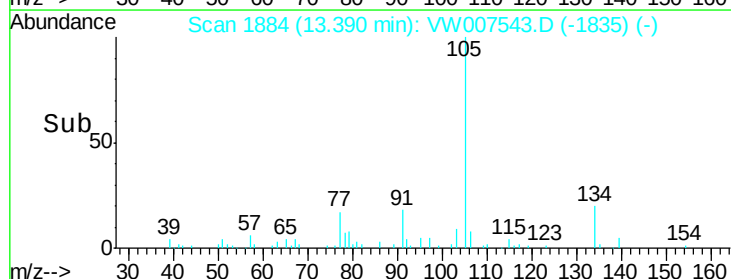
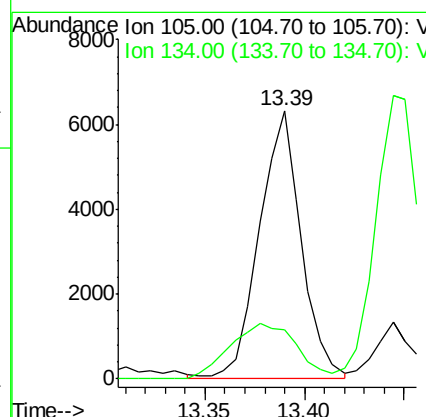
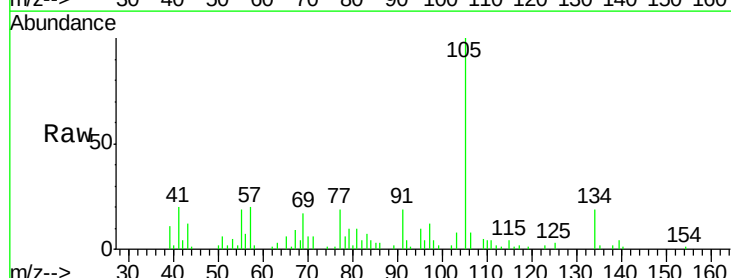
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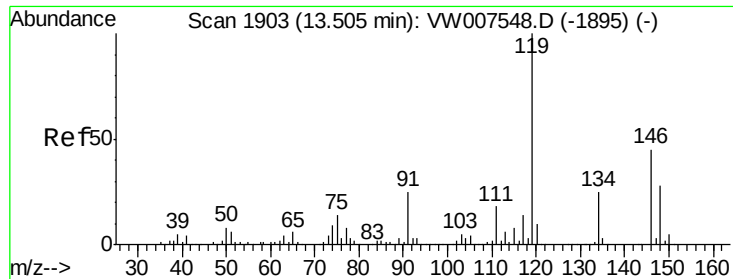
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#85
sec-Butylbenzene
Concen: 10.338 ug/l m
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Tgt Ion:105 Resp: 9322
Ion Ratio Lower Upper
105 100
134 0.0 11.1 33.3#





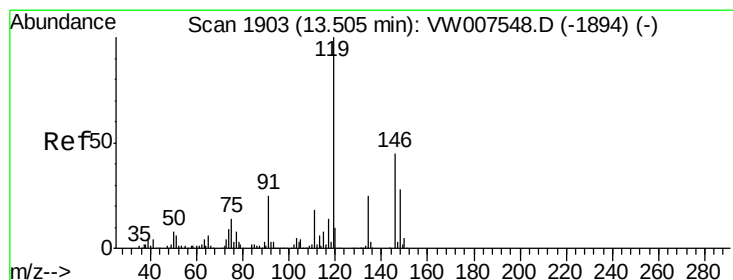
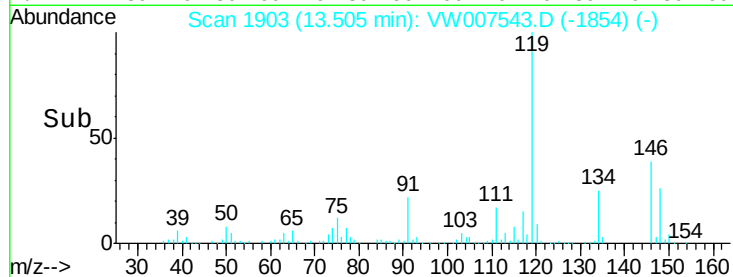
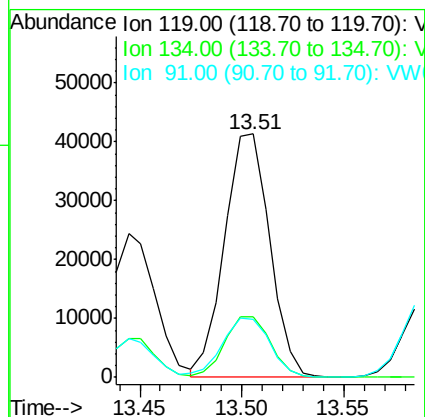
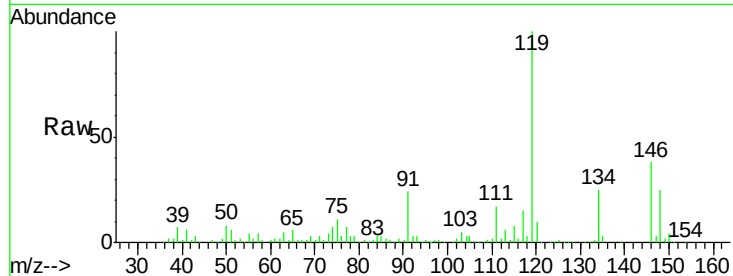
#86
p-Isopropyltoluene
Concen: 78.505 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
P001-SD002-0006-01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	25.6	11.9	35.9

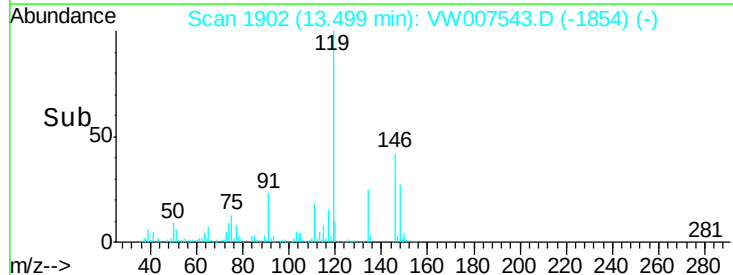
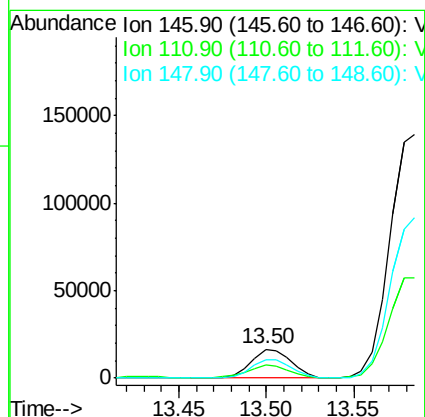
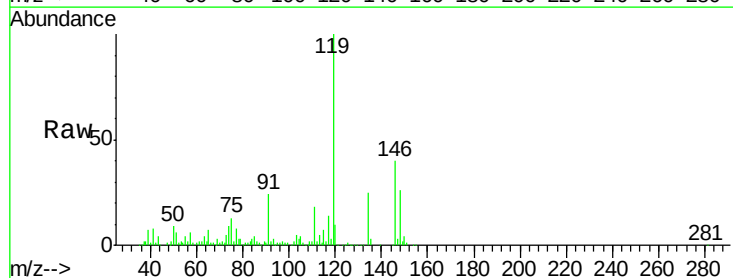
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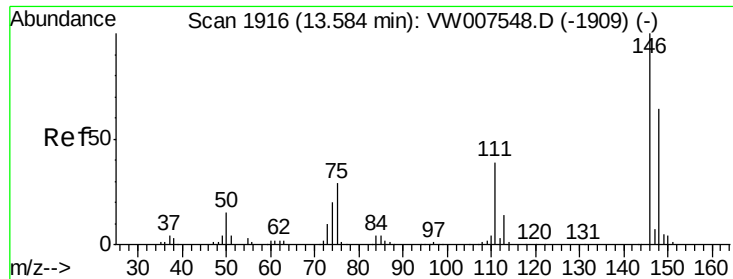
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#87
1,3-Dichlorobenzene
Concen: 67.163 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW007543.D
Acq: 14 Dec 2018 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.1	60.3
148	64.8	31.4	94.0





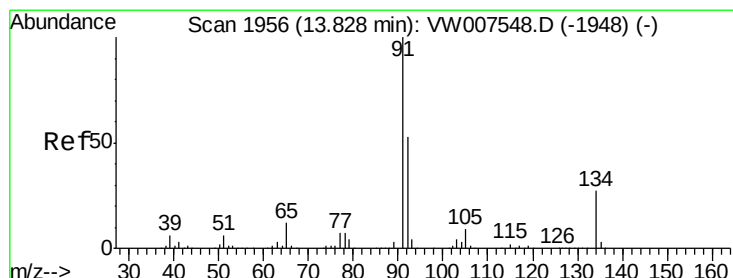
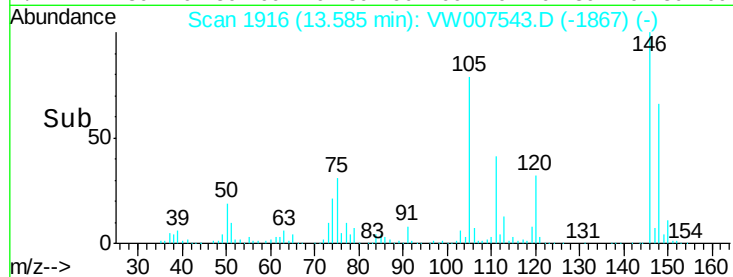
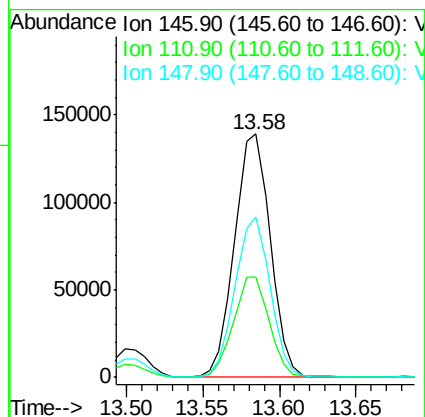
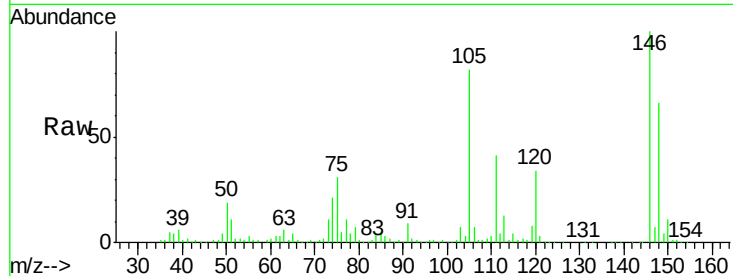
#88
 1,4-Dichlorobenzene
 Concen: 570.199 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SD002-0006-01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.4	33.5	100.5

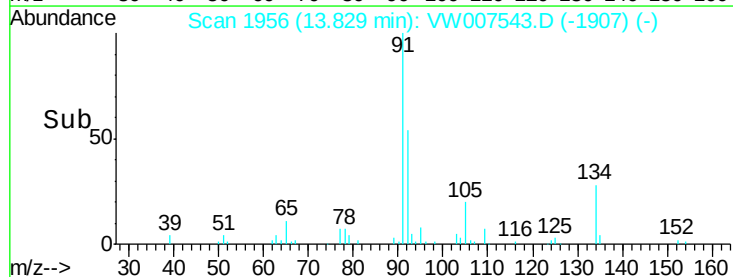
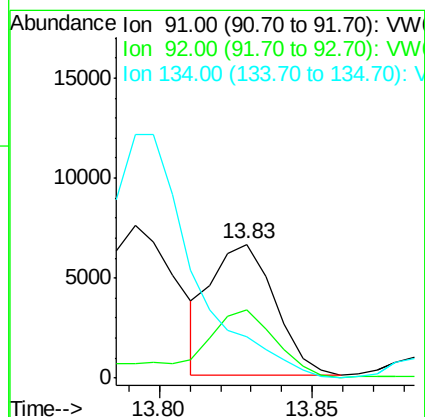
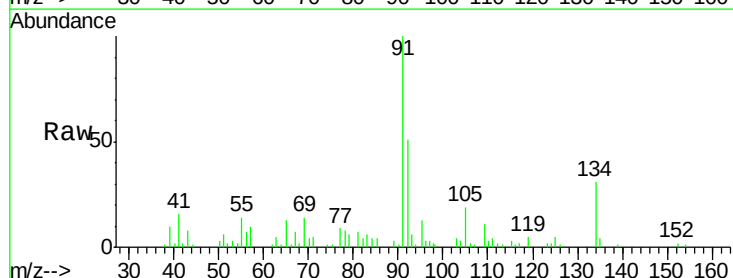
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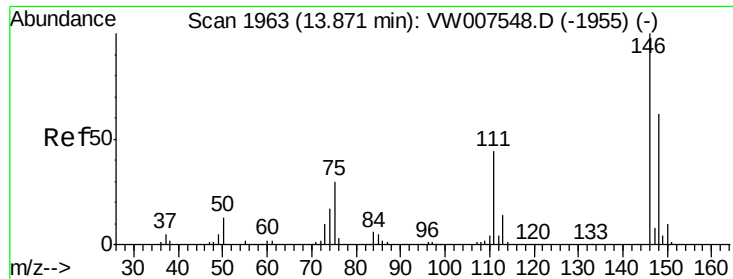
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#89
 n-Butylbenzene
 Concen: 12.507 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW007543.D
 Acq: 14 Dec 2018 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.3	25.7	77.1
134	0.0	13.4	40.2#





#91

1,2-Dichlorobenzene

Concen: 17.615 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Instrument :

MSVOA_W

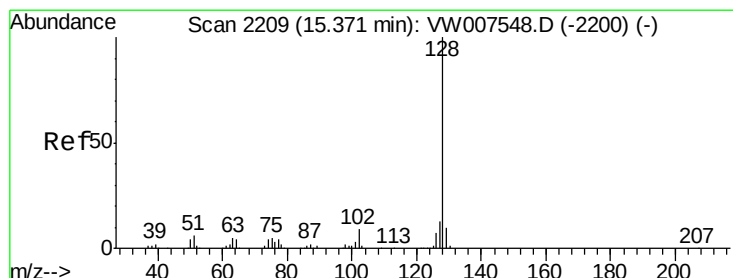
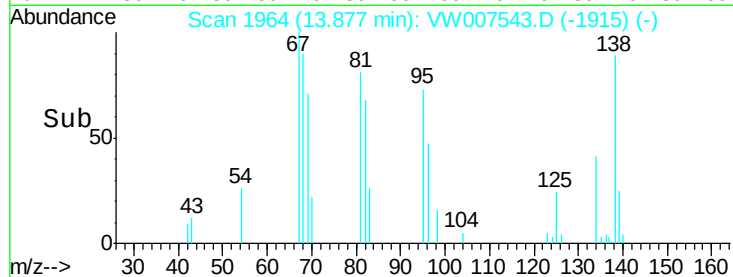
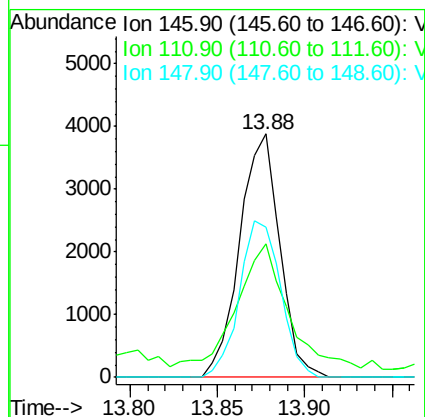
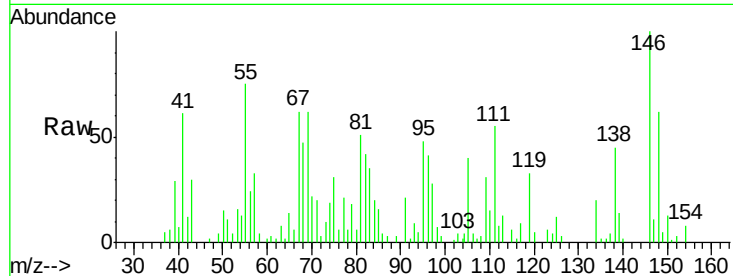
ClientSampleId :

P001-SD002-0006-01

Tgt Ion:	146	Resp:	6221
Ion Ratio	Lower	Upper	
146	100		
111	63.0	22.4	67.2
148	65.6	32.4	97.2

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#95

Naphthalene

Concen: 361.193 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007543.D

Acq: 14 Dec 2018 18:36

Tgt Ion:	128	Resp:	167938
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.4
129	11.3	8.3	12.5

