

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
 Data File : VW007795.D
 Acq On : 21 Dec 2018 14:53
 Operator : SY/AP
 Sample : J6386-16RE
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0612-01RE

Quant Time: Dec 21 16:51:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	23112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	18202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5538	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	9714	83.16	ug/l	0.00
Spiked Amount			Recovery	=	166.32%	
35) Dibromofluoromethane	7.88	113	7052	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.32	98	19131	35.99	ug/l	0.00
Spiked Amount			Recovery	=	71.98%	
62) 4-Bromofluorobenzene	12.62	95	10369	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	82	1.736	ug/l #	10
16) Acetone	4.12	43	12466	569.874	ug/l	93
18) Methyl Acetate	4.65	43	147	2.826	ug/l #	46
20) Methylene Chloride	4.90	84	1270	6.069	ug/l #	86
25) 2-Butanone	7.17	43	479	18.695	ug/l #	44
26) 2,2-Dichloropropane	7.14	77	252	1.813	ug/l #	53
31) Cyclohexane	7.95	56	272	1.564	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	723	3.241	ug/l #	46
37) Ethyl Acetate	7.17	43	479	6.222	ug/l #	68
38) Carbon Tetrachloride	7.94	117	1201	4.572	ug/l #	25
46) Dibromomethane	9.25	93	88	1.082	ug/l	85
48) Methyl methacrylate	9.46	41	323	4.195	ug/l #	53
51) 4-Methyl-2-Pentanone	10.13	43	464	6.366	ug/l	94
52) Toluene	10.38	92	32822	82.182	ug/l	99
53) t-1,3-Dichloropropene	10.39	75	393	1.848	ug/l #	1
55) 1,1,2-Trichloroethane	10.80	97	188	1.677	ug/l #	10
56) Ethyl methacrylate	10.65	69	444	3.353	ug/l #	83
59) 2-Hexanone	10.82	43	182	3.550	ug/l	84
60) Dibromochloromethane	11.03	129	276	1.860	ug/l	76
61) 1,2-Dibromoethane	11.43	107	259	2.282	ug/l	89
65) Chlorobenzene	11.55	112	4328	10.986	ug/l #	64
67) Ethyl Benzene	11.73	91	10440	15.443	ug/l	93
68) m/p-Xylenes	11.84	106	26788	102.147	ug/l	95
69) o-Xylene	12.17	106	8418	34.244	ug/l	95
70) Styrene	12.17	104	945	2.339	ug/l #	1
71) Bromoform	12.33	173	679	9.292	ug/l #	29
73) Isopropylbenzene	12.48	105	4022	9.608	ug/l	76
74) N-amyl acetate	12.29	43	180	2.482	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.68	83	19779	315.133	ug/l #	28
76) 1,2,3-Trichloropropane	12.88	75	2469	57.682	ug/l #	100
77) Bromobenzene	12.90	156	141038	1470.139	ug/l #	1
78) n-propylbenzene	13.01	91	766	1.572	ug/l	89
79) 2-Chlorotoluene	12.87	91	622	2.191	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	3453	9.563	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

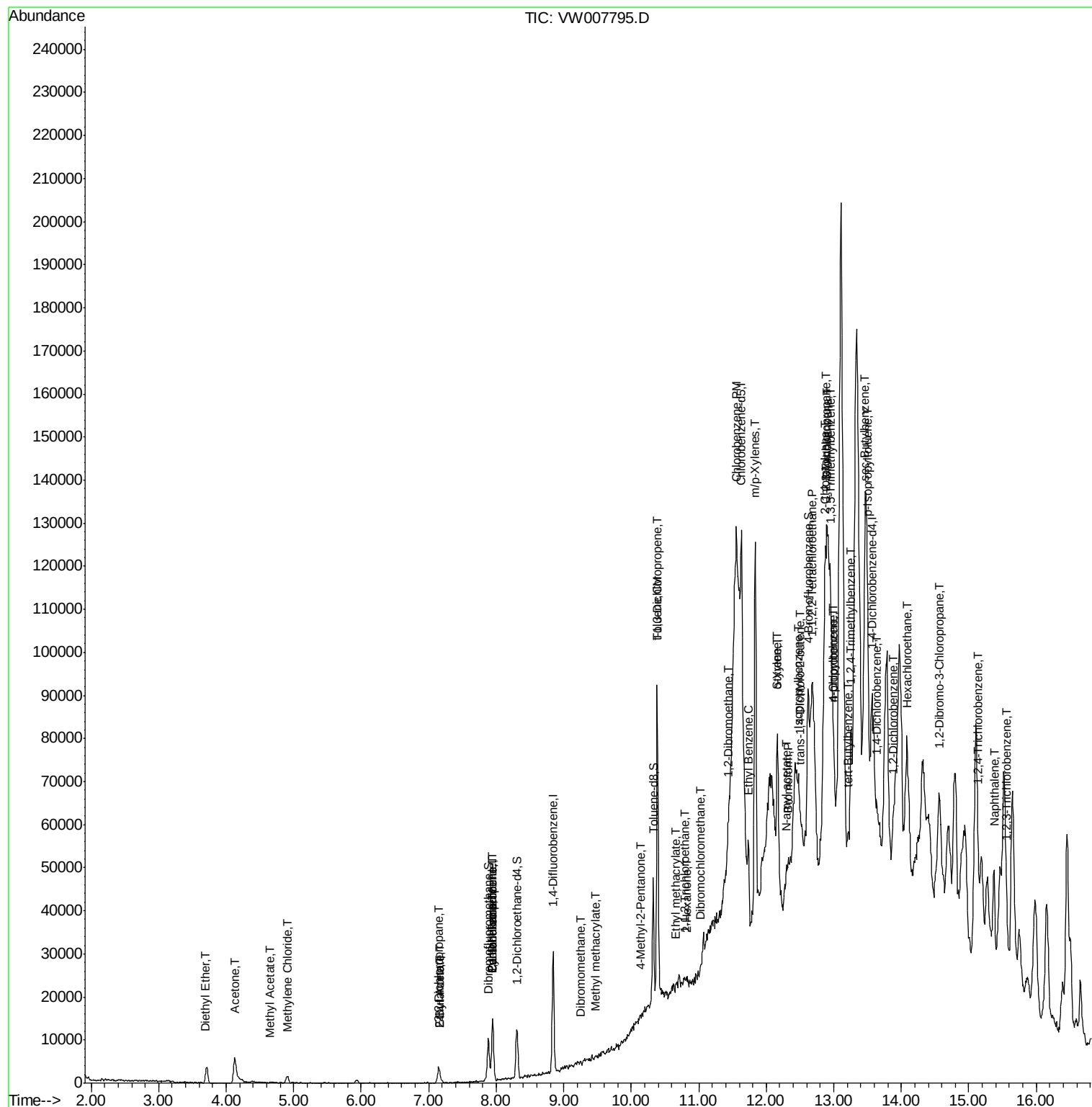
81) trans-1,4-Dichloro-2-buten	12.51	75	171	8.386	ug/l #	9
82) 4-Chlorotoluene	13.01	91	766	2.534	ug/l #	42
83) tert-Butylbenzene	13.21	119	4422	13.957	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.26	105	14009	38.449	ug/l	94
85) sec-Butylbenzene	13.46	105	8313	19.039	ug/l #	56
86) p-Isopropyltoluene	13.50	119	3518	8.861	ug/l #	49
88) 1,4-Dichlorobenzene	13.63	146	432	2.267	ug/l #	36
90) Hexachloroethane	14.09	117	315	4.519	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	291	1.706	ug/l #	41
92) 1,2-Dibromo-3-Chloropropan	14.56	75	434	33.671	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.14	180	1001	8.456	ug/l	88
95) Naphthalene	15.38	128	11152	50.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	251	2.477	ug/l #	63

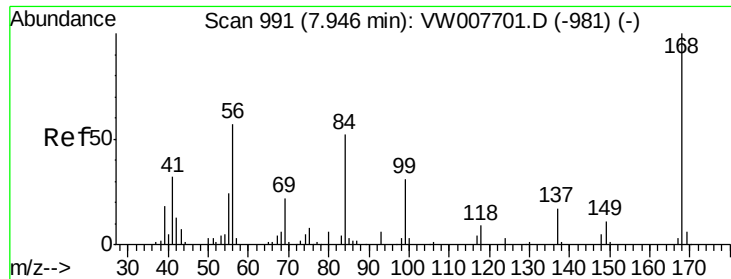
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

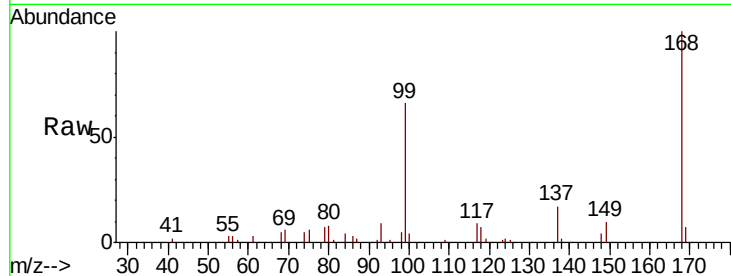
P001-SS007-0612-01RE

Tot Ion:168 Resp: 10658

Ion Ratio Lower Upper

168 100

99 65.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

5000

4000

3000

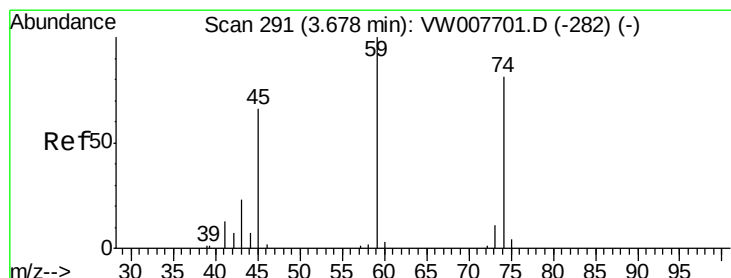
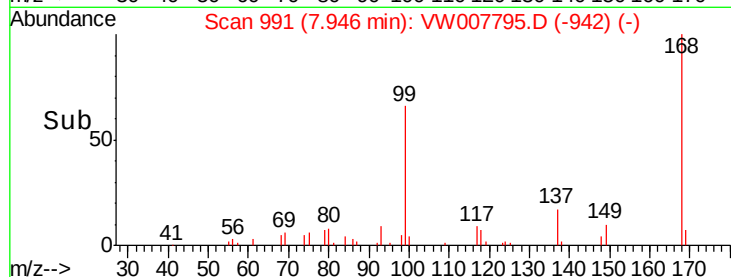
2000

1000

0

Time-->

7.85 7.90 7.95 8.00



#8

Diethyl Ether

Concen: 1.736 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007795.D

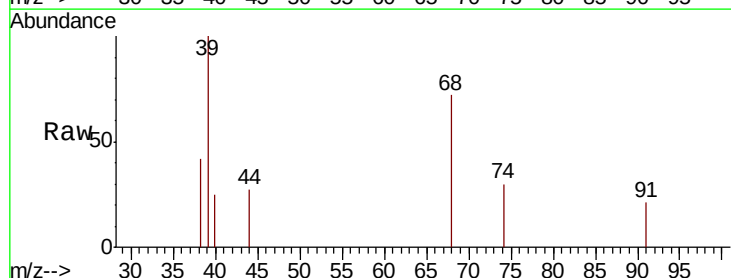
Acq: 21 Dec 2018 14:53

Tgt Ion: 74 Resp: 82

Ion Ratio Lower Upper

74 100

45 0.0 39.4 118.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

100

80

60

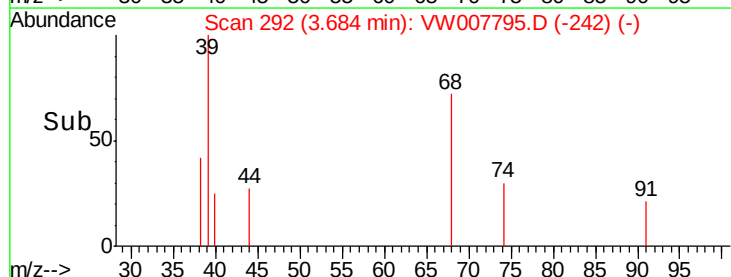
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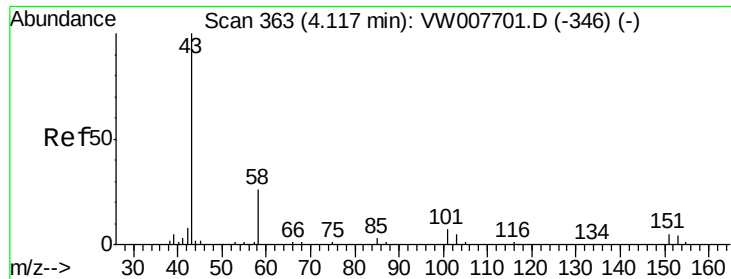
20

0

Time-->

3.66 3.68 3.70





#16

Acetone

Concen: 569.874 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

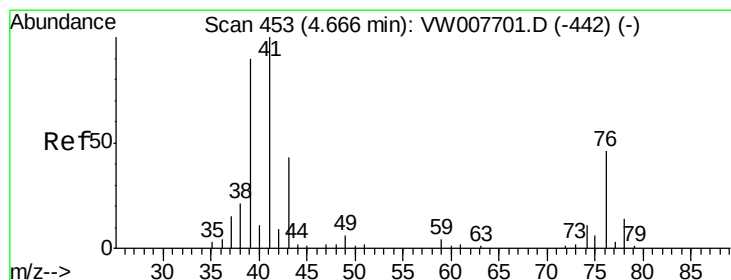
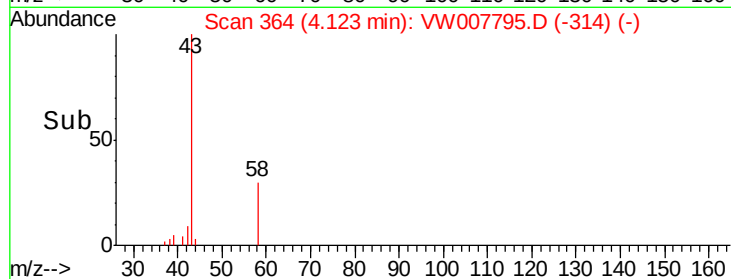
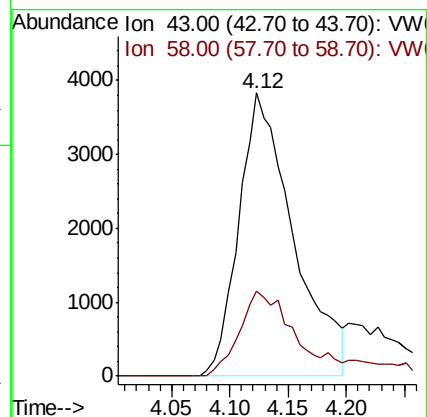
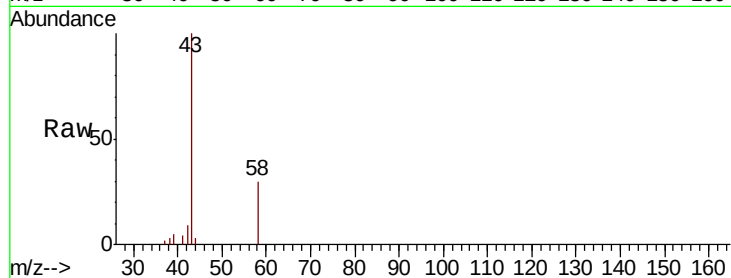
P001-SS007-0612-01RE

Tot Ion: 43 Resp: 12466

Ion Ratio Lower Upper

43 100

58 29.9 21.2 31.8



#18

Methyl Acetate

Concen: 2.826 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW007795.D

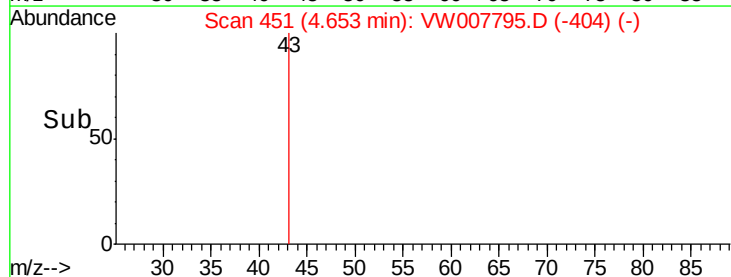
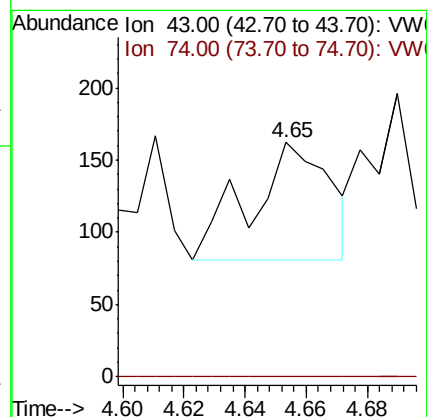
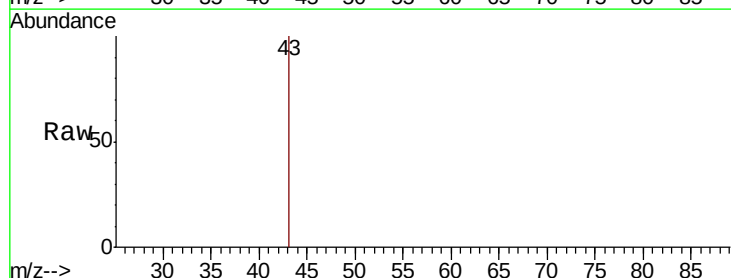
Acq: 21 Dec 2018 14:53

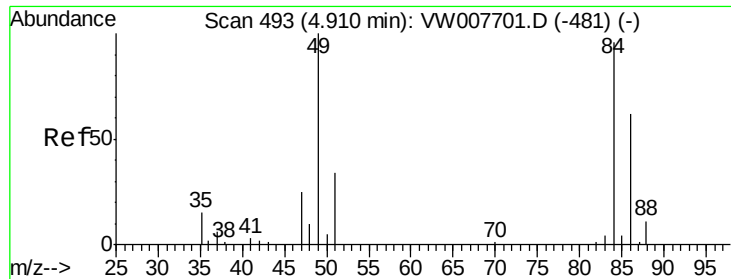
Tgt Ion: 43 Resp: 147

Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#





#20

Methylene Chloride

Concen: 6.069 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

Tot Ion: 84 Resp: 1270

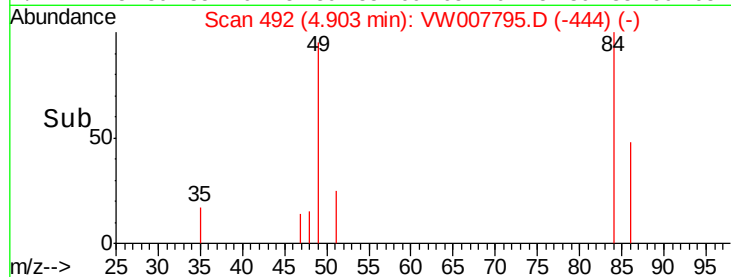
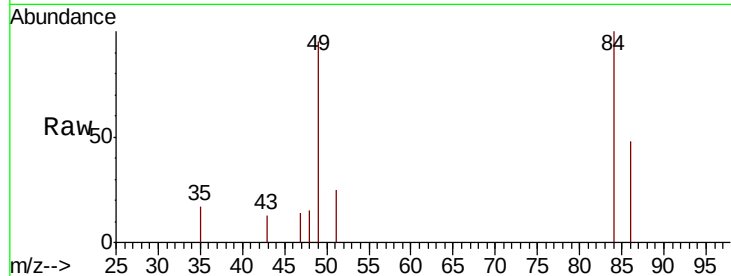
Ion Ratio Lower Upper

84 100

49 95.5 83.7 125.5

51 25.0 28.2 42.2#

86 48.4 52.2 78.2#

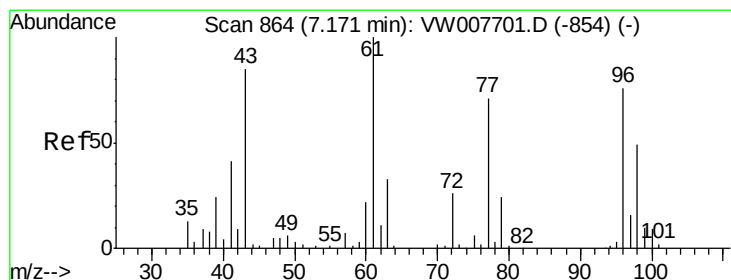
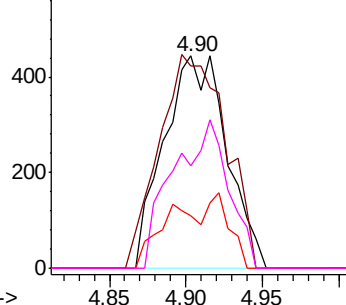


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 18.695 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007795.D

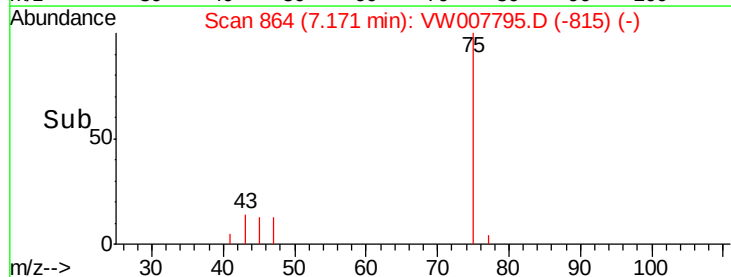
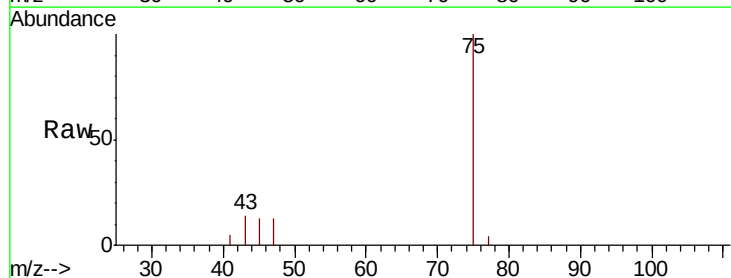
Acq: 21 Dec 2018 14:53

Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

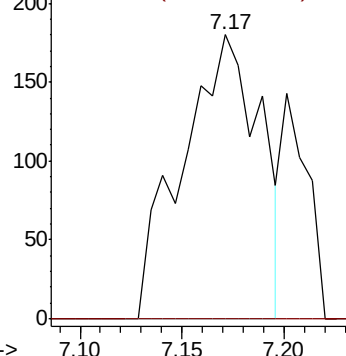
43 100

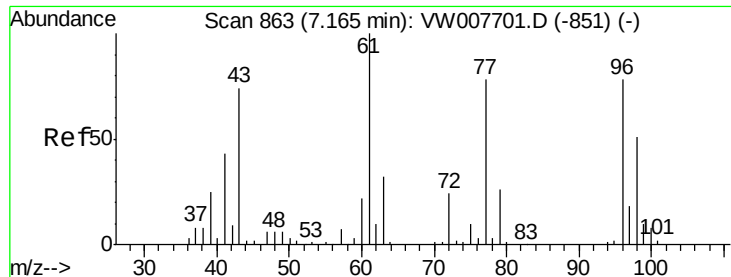
72 0.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

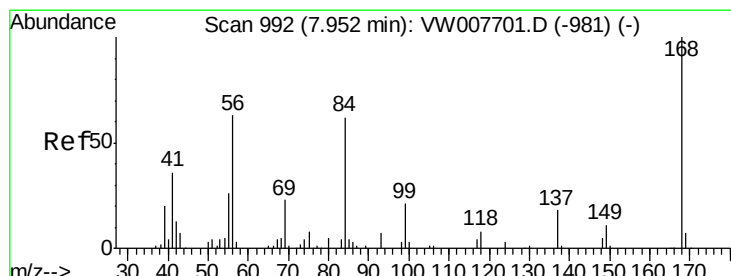
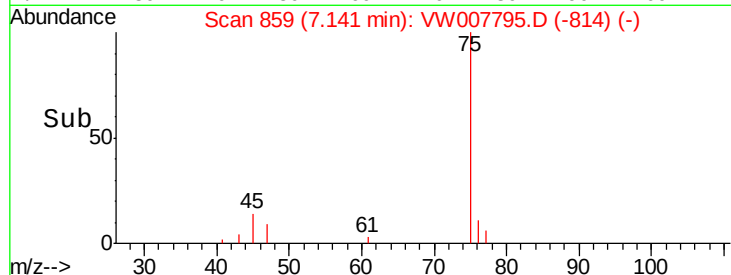
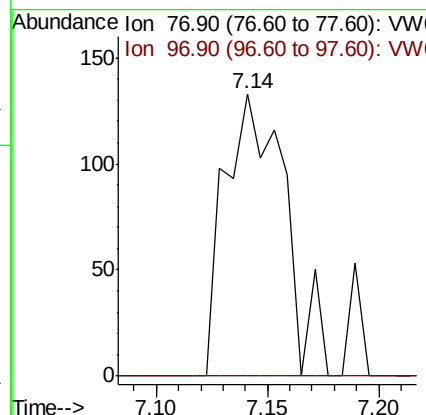
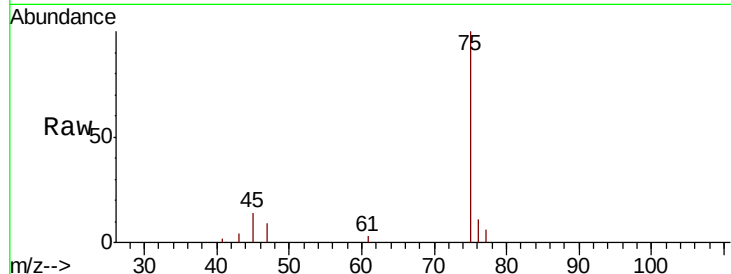




#26
 2,2-Dichloropropane
 Concen: 1.813 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

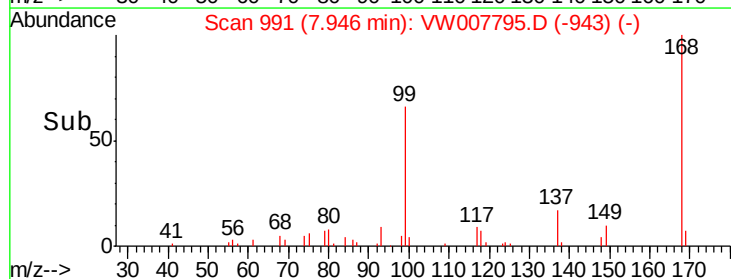
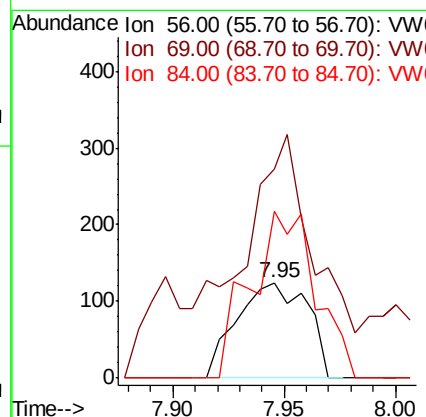
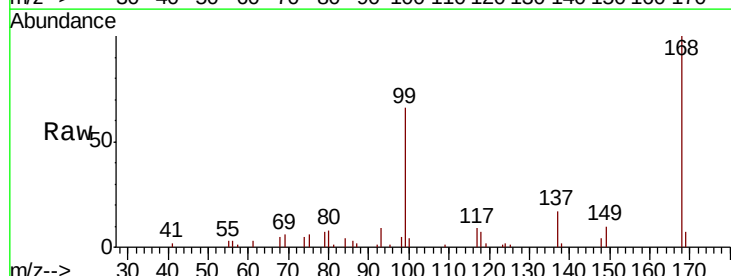
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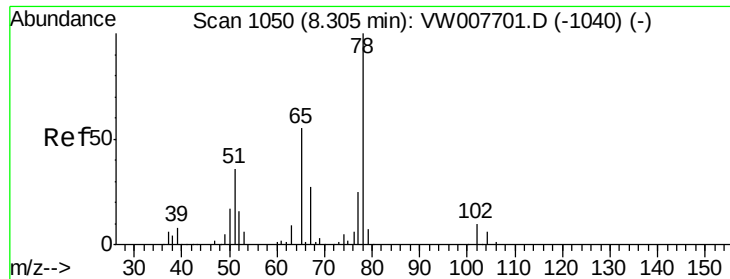
Tot Ion: 77 Resp: 252
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#



#31
 Cyclohexane
 Concen: 1.564 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Tgt Ion: 56 Resp: 272
 Ion Ratio Lower Upper
 56 100
 69 146.0 29.7 44.5#
 84 175.8 78.9 118.3#

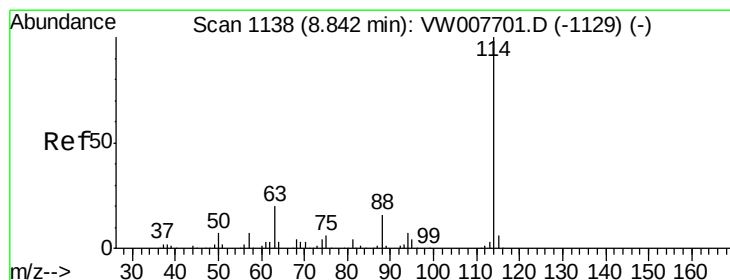
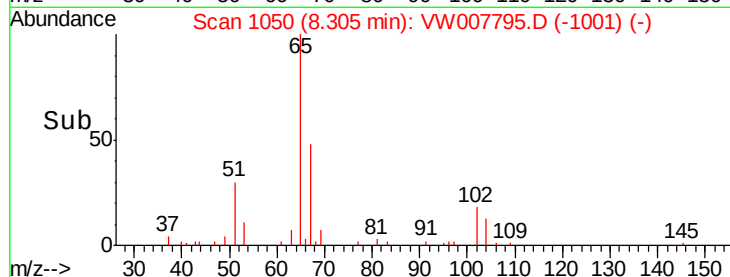
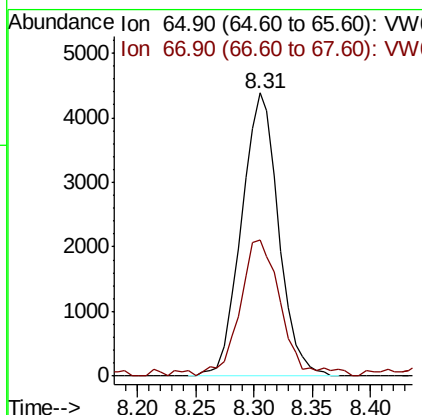
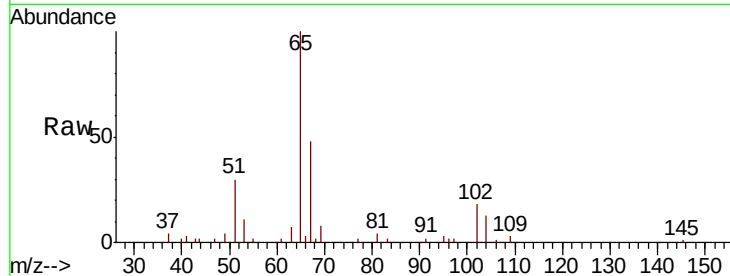




#33
 1,2-Dichloroethane-d4
 Concen: 83.156 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

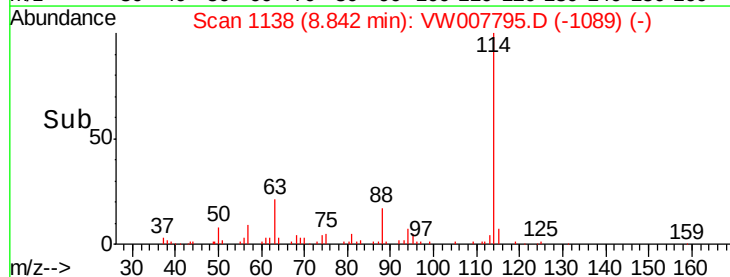
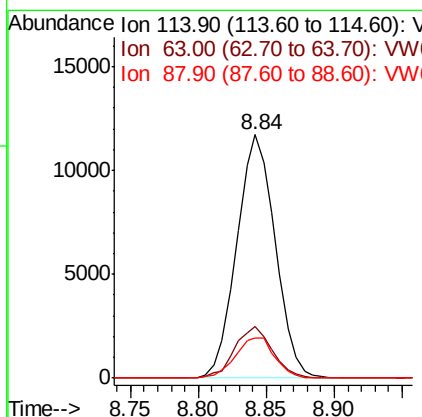
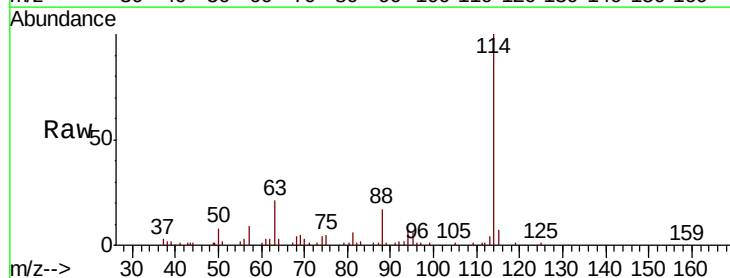
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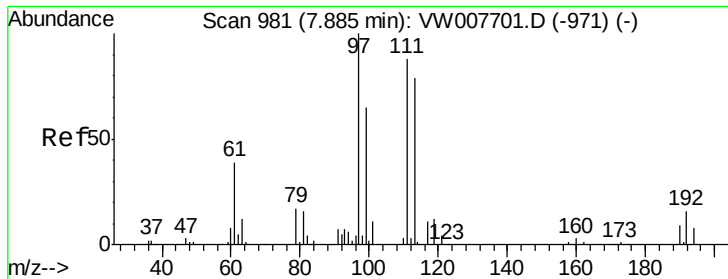
Tot Ion: 65 Resp: 9714
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Tgt Ion: 114 Resp: 23112
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.0
 88 16.6 0.0 32.6

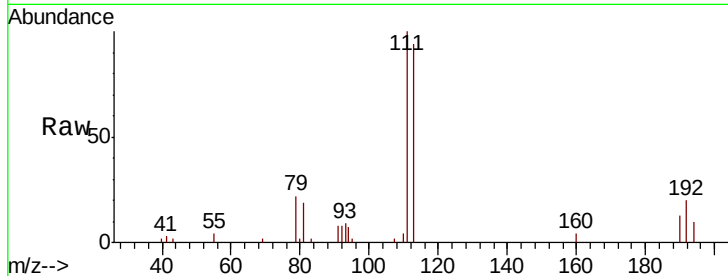




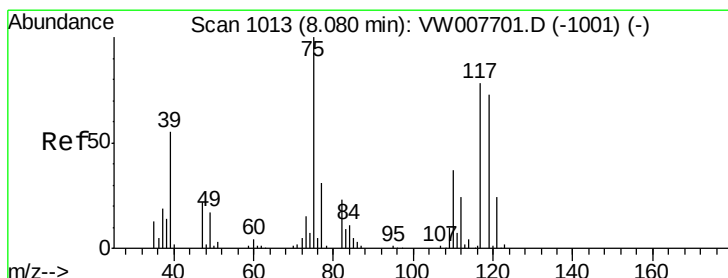
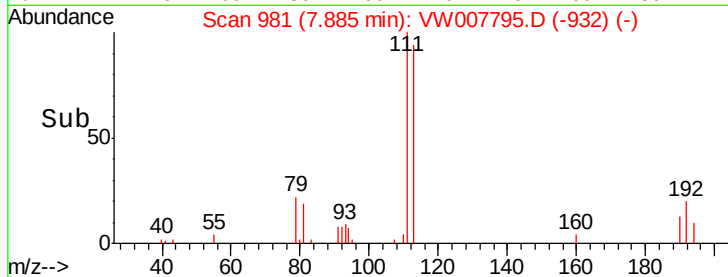
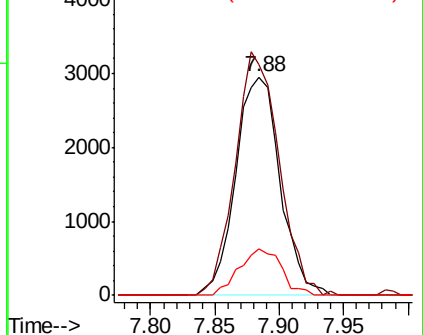
#35
 Dibromofluoromethane
 Concen: 50.016 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0612-01RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	109.8	82.6	124.0
192	20.2	15.5	23.3

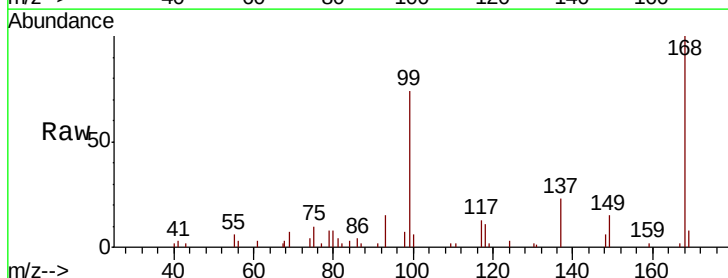


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

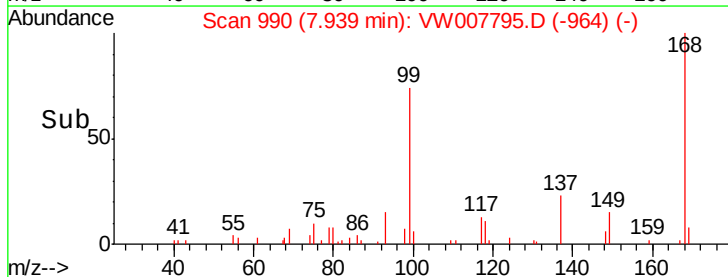
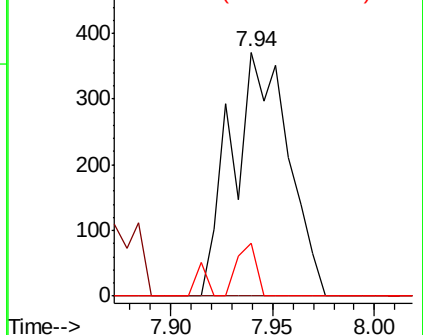


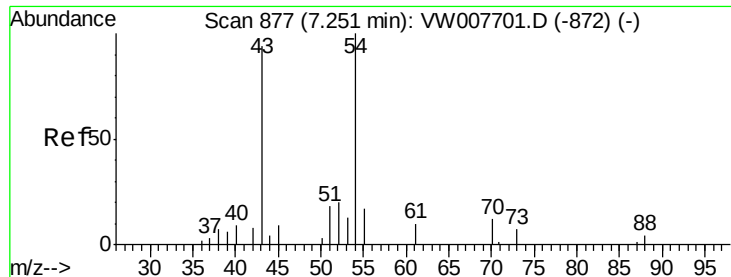
#36
 1,1-Dichloropropene
 Concen: 3.241 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.6	55.8#
77	7.2	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

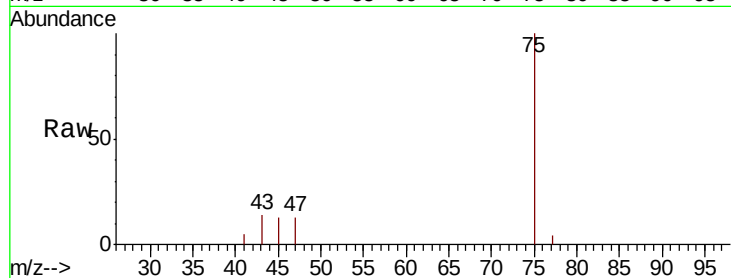




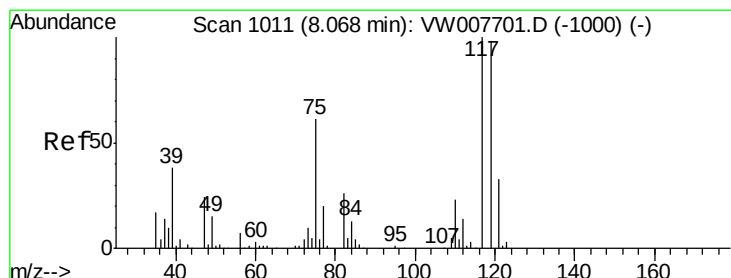
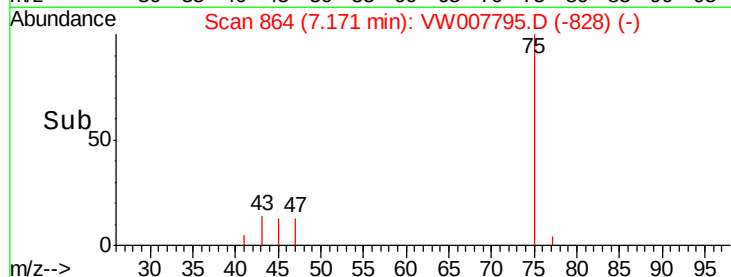
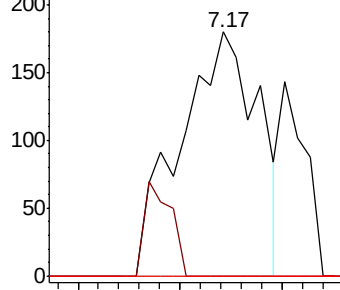
#37
Ethyl Acetate
Concen: 6.222 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0612-01RE

Tot Ion: 43 Resp: 479
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 9.3 13.9#

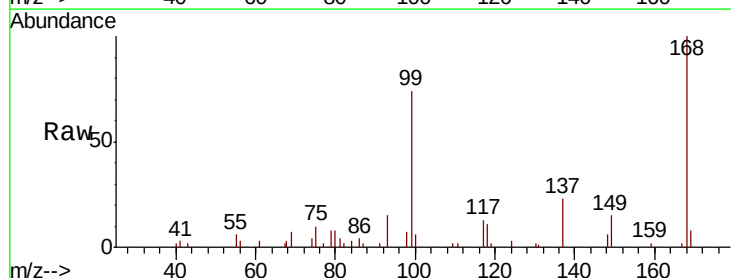


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

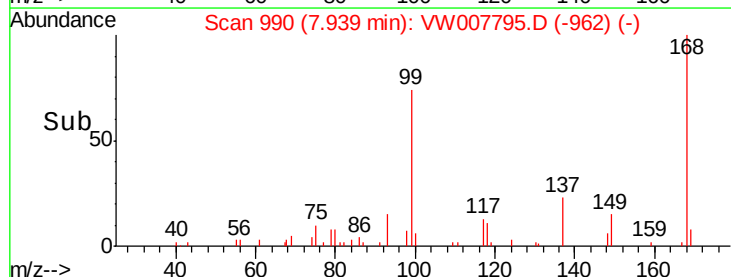
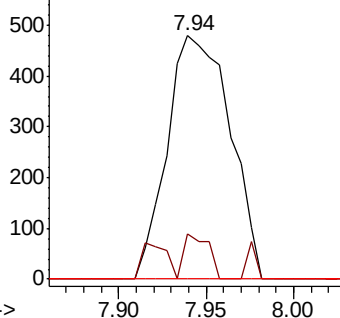


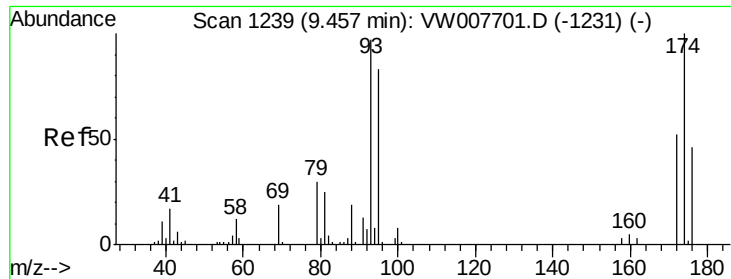
#38
Carbon Tetrachloride
Concen: 4.572 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Tgt Ion: 117 Resp: 1201
Ion Ratio Lower Upper
117 100
119 18.6 78.2 117.2#
121 0.0 26.1 39.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#46

Dibromomethane

Concen: 1.082 ug/l

RT: 9.25 min Scan# 1205

Delta R.T. -0.21 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

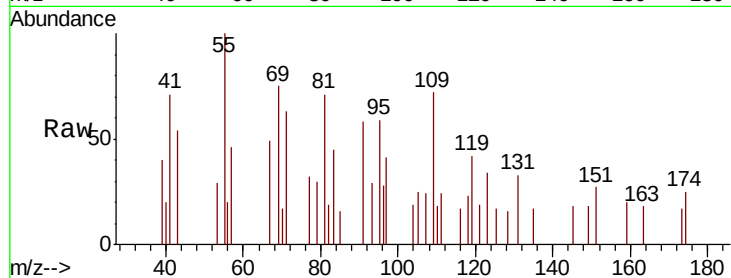
Tot Ion: 93 Resp: 88

Ion Ratio Lower Upper

93 100

95 70.5 67.5 101.3

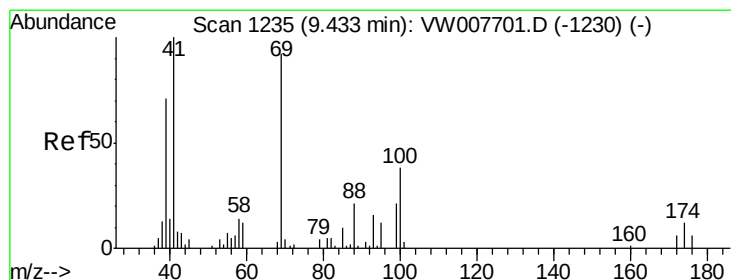
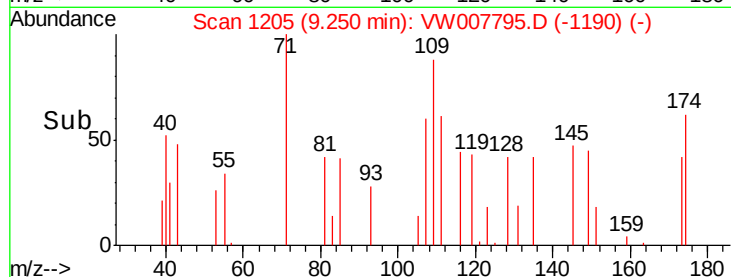
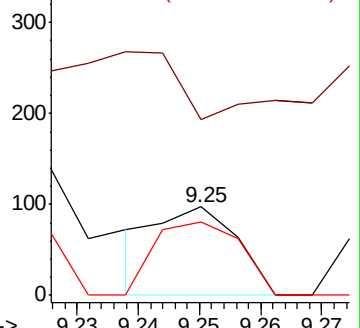
174 89.8 83.9 125.9



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 4.195 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.02 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

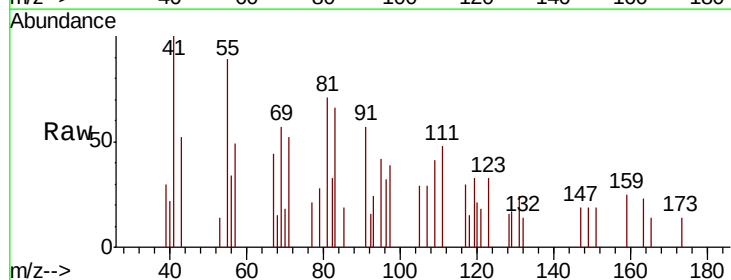
Tgt Ion: 41 Resp: 323

Ion Ratio Lower Upper

41 100

69 49.5 74.2 111.2#

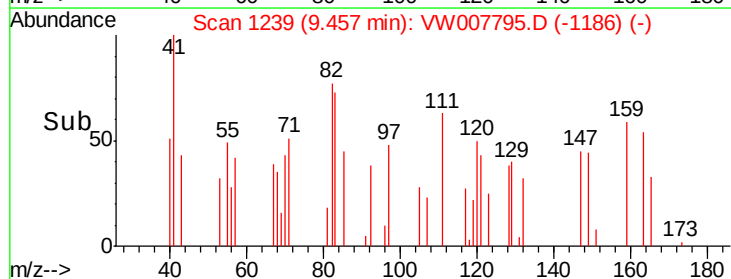
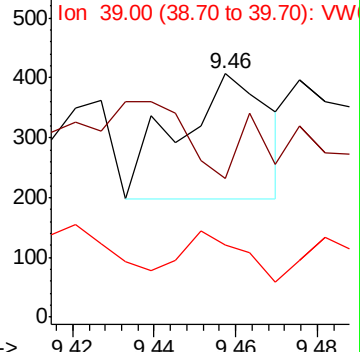
39 26.6 53.9 80.9#

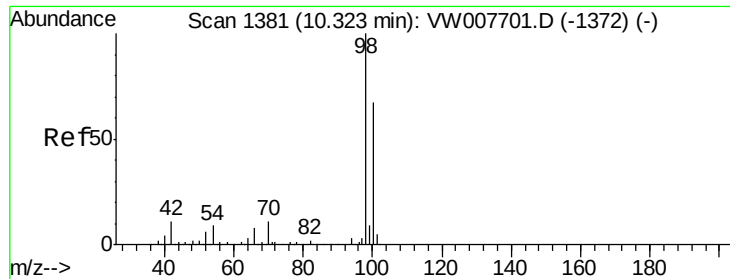


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 35.992 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

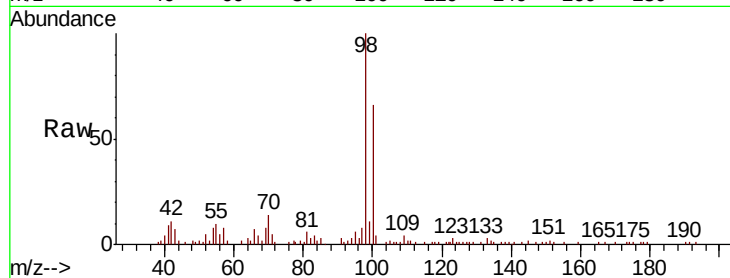
P001-SS007-0612-01RE

Tot Ion: 98 Resp: 19131

Ion Ratio Lower Upper

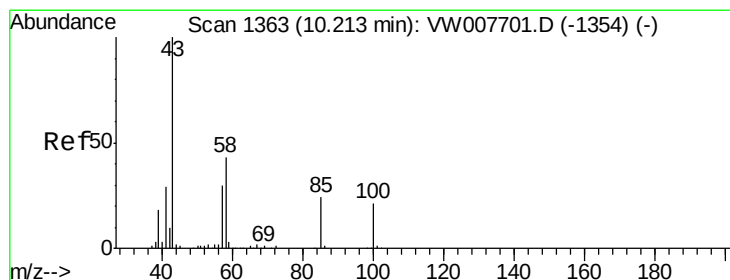
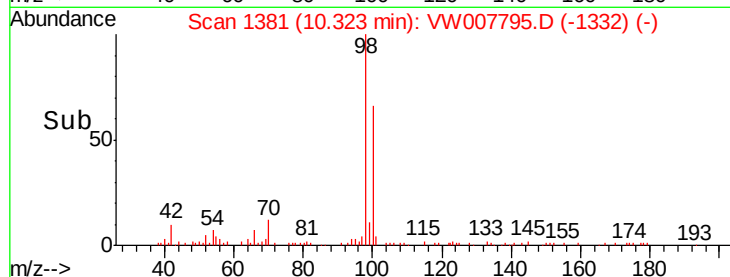
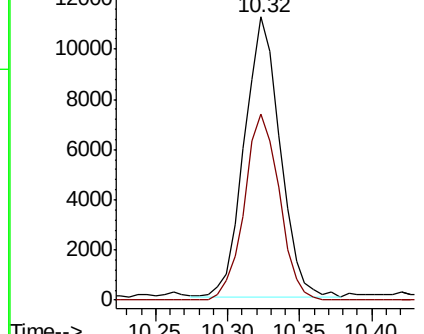
98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 6.366 ug/l

RT: 10.13 min Scan# 1350

Delta R.T. -0.08 min

Lab File: VW007795.D

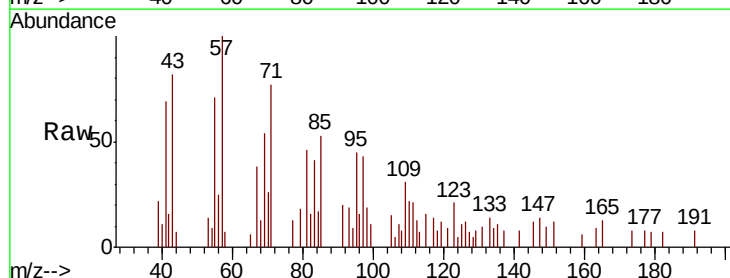
Acq: 21 Dec 2018 14:53

Tgt Ion: 43 Resp: 464

Ion Ratio Lower Upper

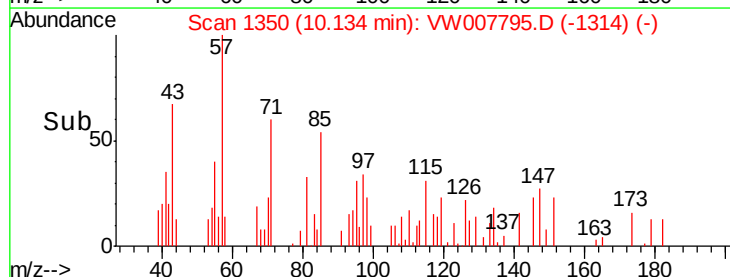
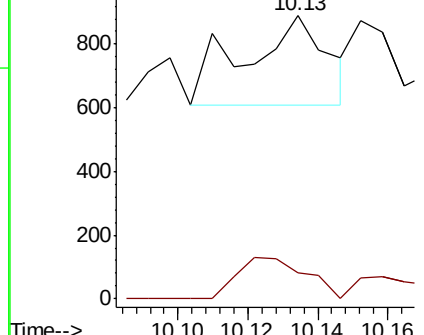
43 100

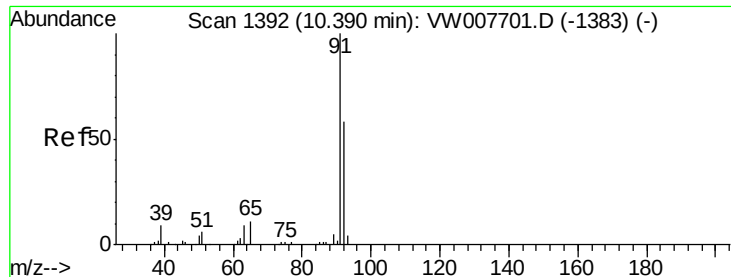
58 37.7 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 82.182 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

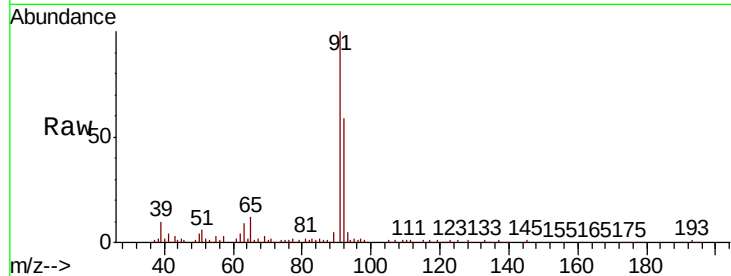
P001-SS007-0612-01RE

Tot Ion: 92 Resp: 32822

Ion Ratio Lower Upper

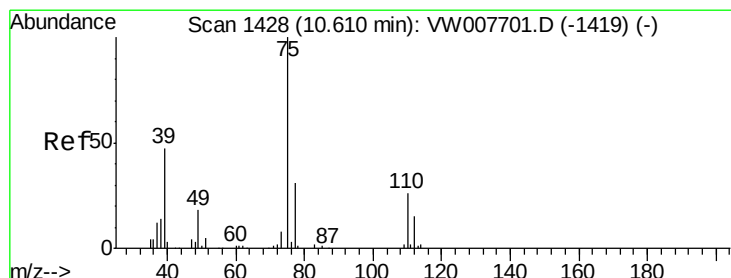
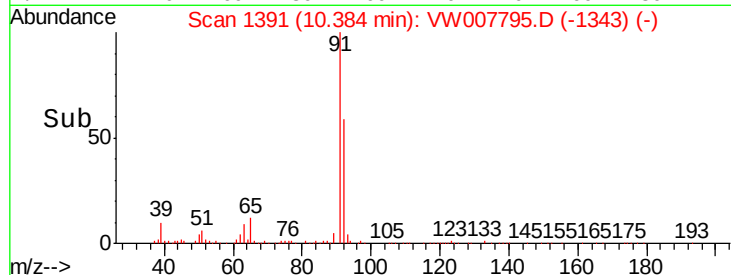
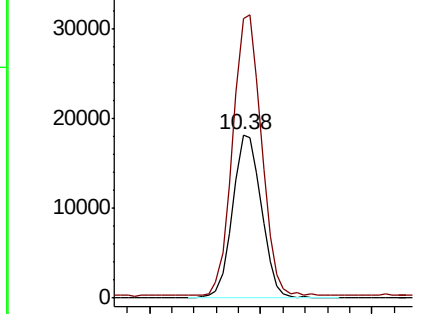
92 100

91 172.1 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 1.848 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.22 min

Lab File: VW007795.D

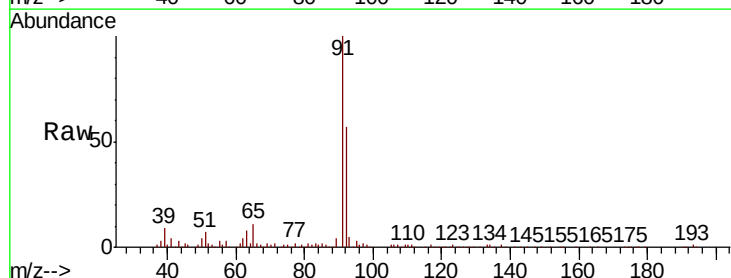
Acq: 21 Dec 2018 14:53

Tgt Ion: 75 Resp: 393

Ion Ratio Lower Upper

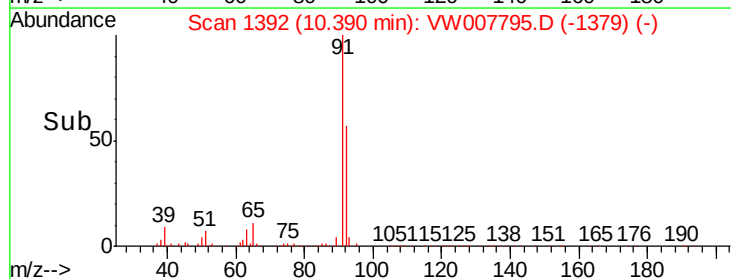
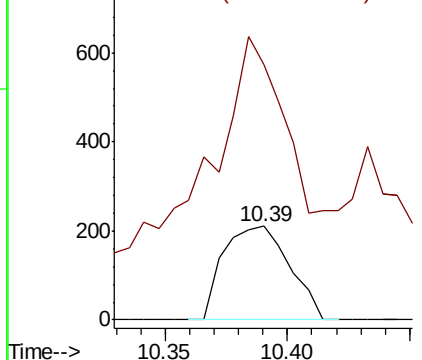
75 100

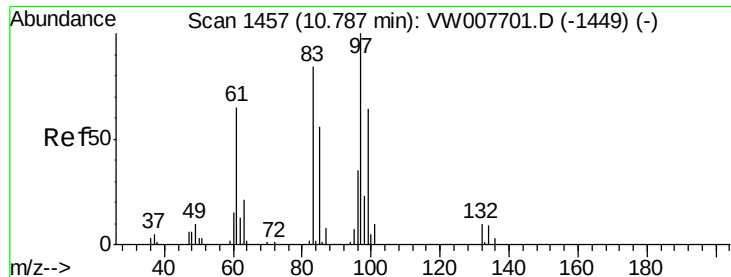
77 155.9 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#55

1,1,2-Trichloroethane

Concen: 1.677 ug/l

RT: 10.80 min Scan# 1459

Delta R.T. 0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

Tot Ion: 97 Resp: 188

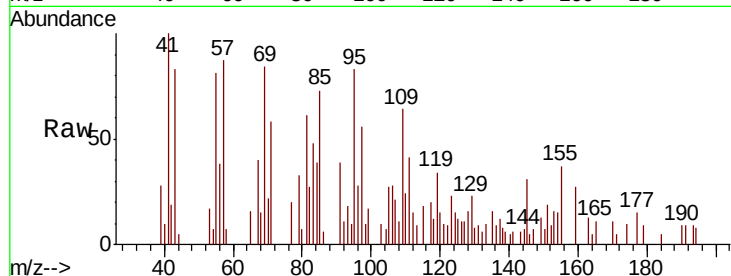
Ion Ratio Lower Upper

97 100

83 2.7 67.5 101.3#

85 130.1 44.8 67.2#

99 0.0 51.0 76.4#

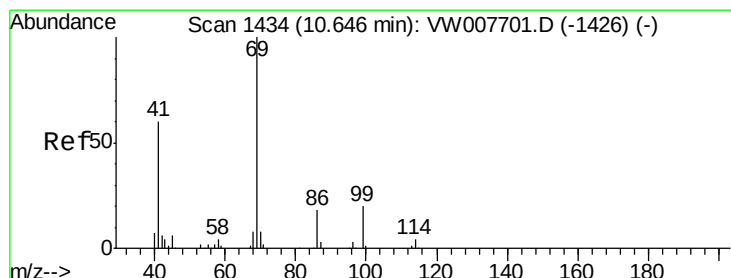
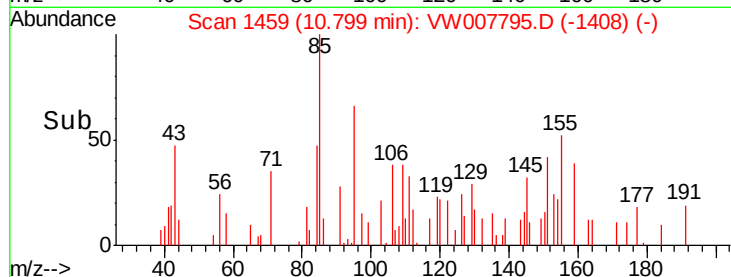
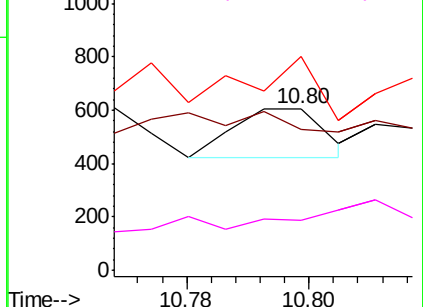


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 3.353 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

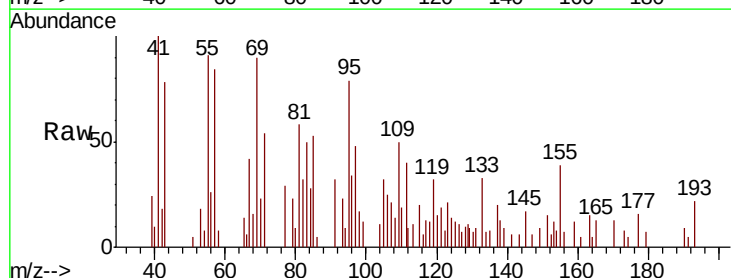
Tgt Ion: 69 Resp: 444

Ion Ratio Lower Upper

69 100

41 79.3 48.9 73.3#

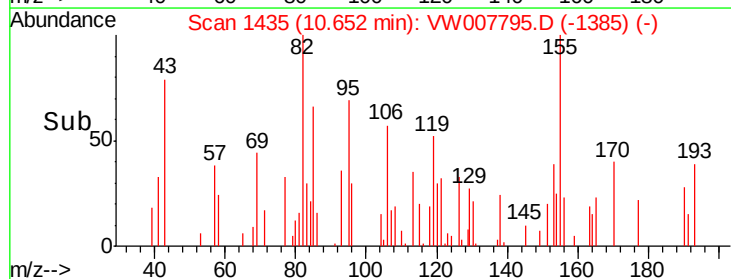
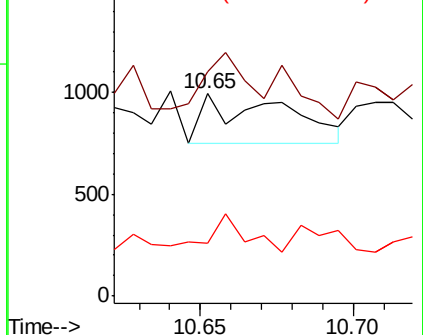
39 35.6 31.3 46.9

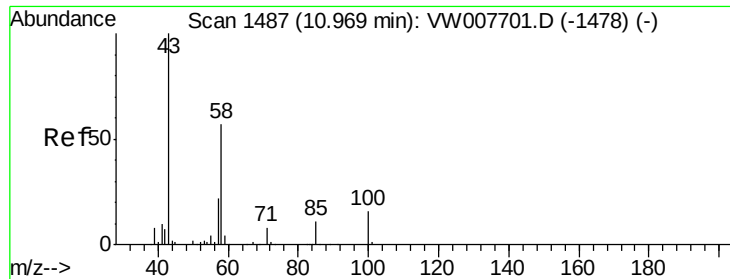


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#59

2-Hexanone

Concen: 3.550 ug/l

RT: 10.82 min Scan# 1462

Delta R.T. -0.15 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

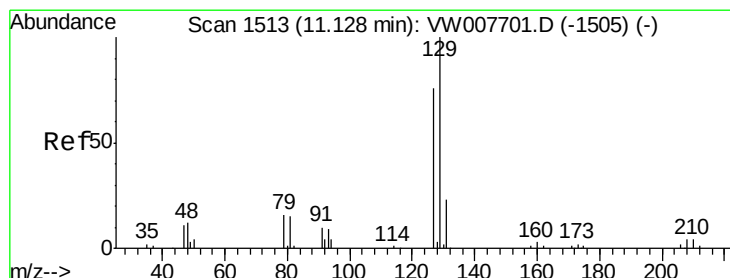
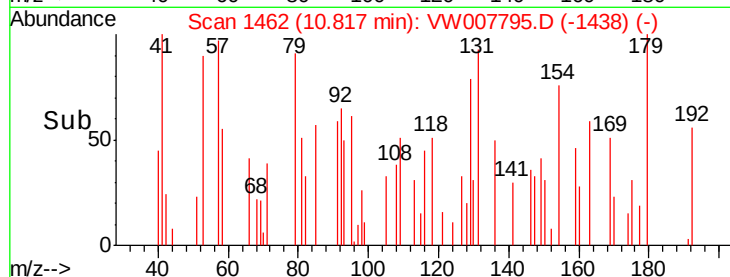
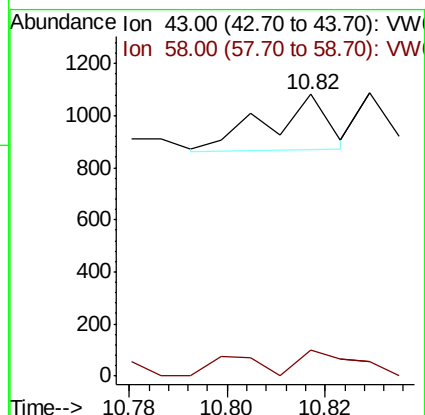
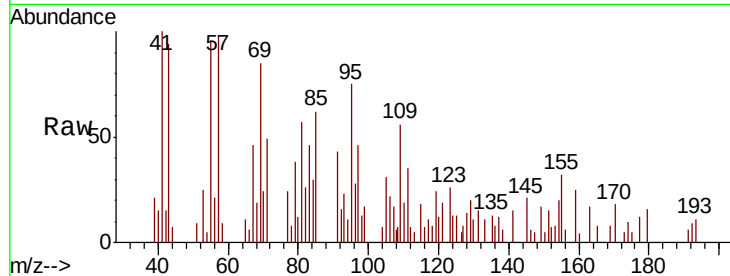
P001-SS007-0612-01RE

Tot Ion: 43 Resp: 182

Ion Ratio Lower Upper

43 100

58 44.0 27.7 83.1



#60

Dibromochloromethane

Concen: 1.860 ug/l

RT: 11.03 min Scan# 1497

Delta R.T. -0.10 min

Lab File: VW007795.D

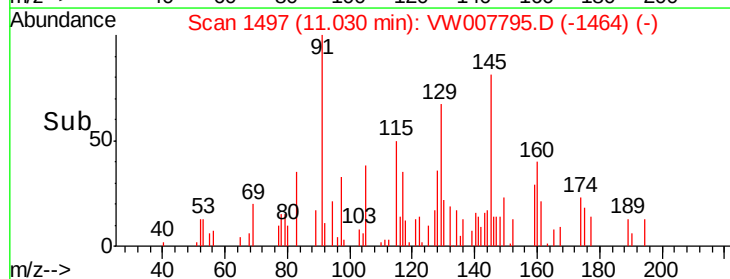
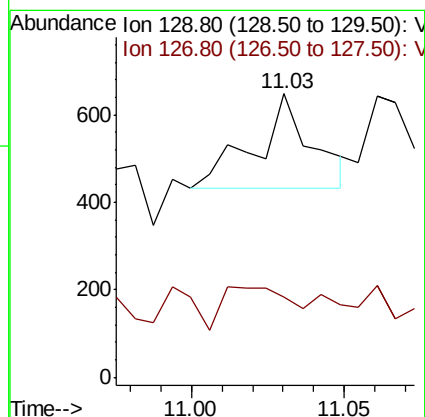
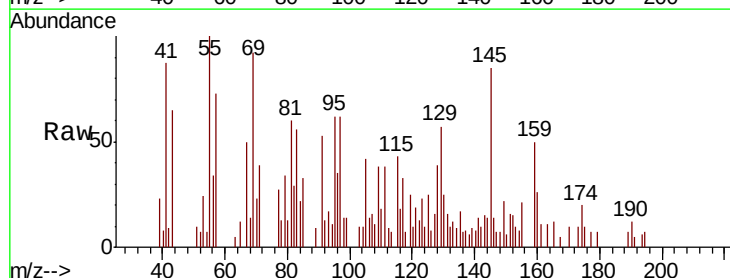
Acq: 21 Dec 2018 14:53

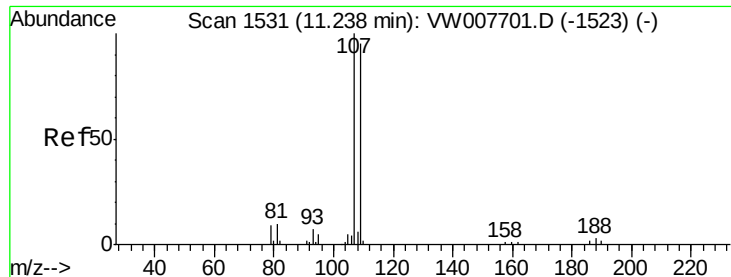
Tgt Ion: 129 Resp: 276

Ion Ratio Lower Upper

129 100

127 56.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 2.282 ug/l

RT: 11.43 min Scan# 1563

Delta R.T. 0.20 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

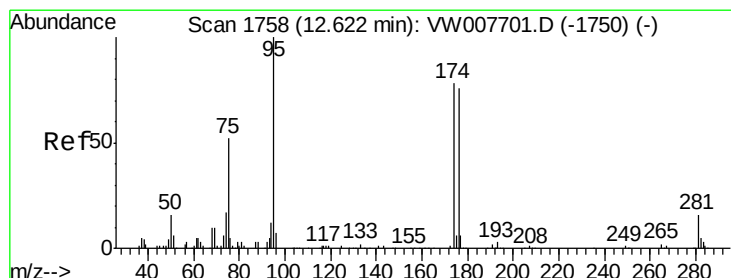
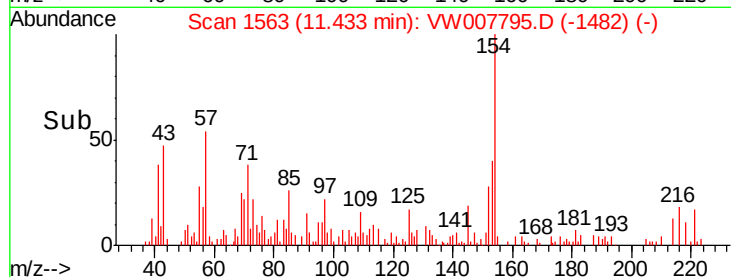
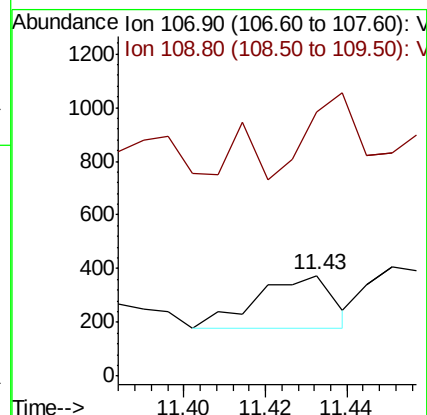
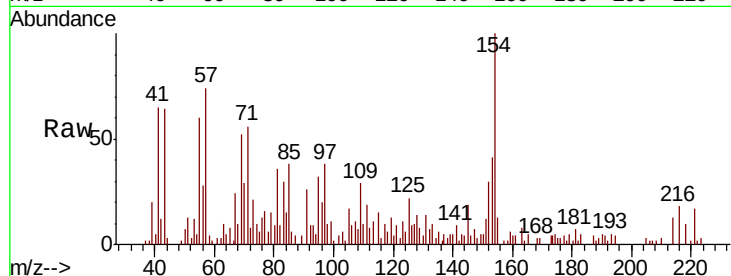
P001-SS007-0612-01RE

Tot Ion:107 Resp: 259

Ion Ratio Lower Upper

107 100

109 105.0 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

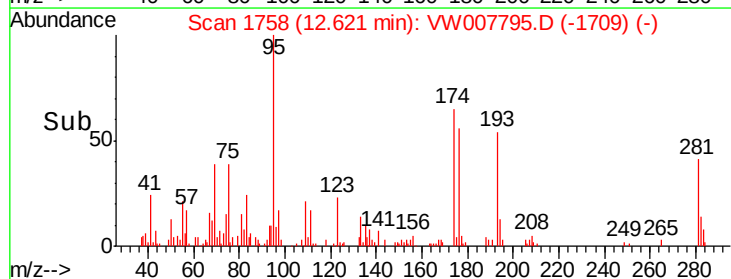
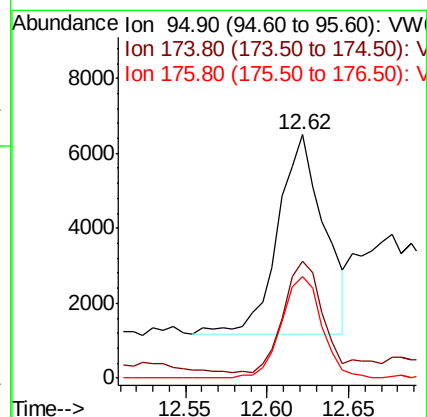
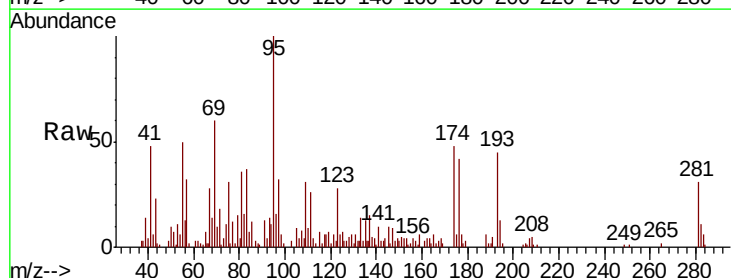
Tgt Ion: 95 Resp: 10369

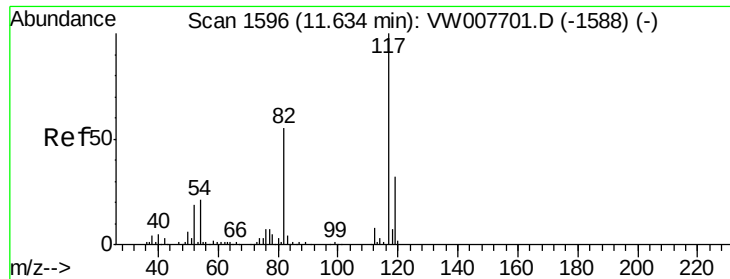
Ion Ratio Lower Upper

95 100

174 51.0 0.0 152.2

176 44.5 0.0 146.8

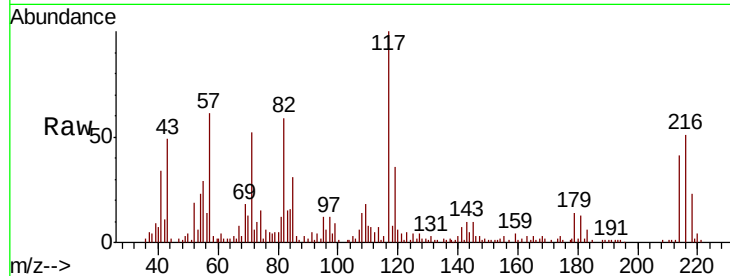




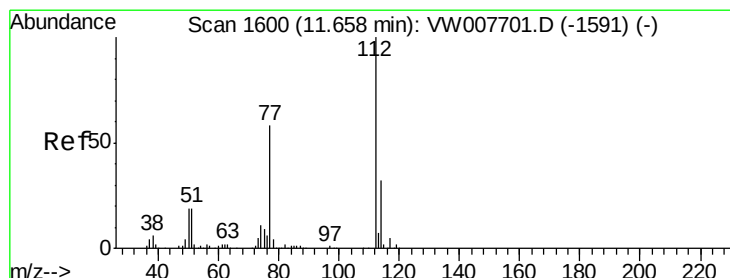
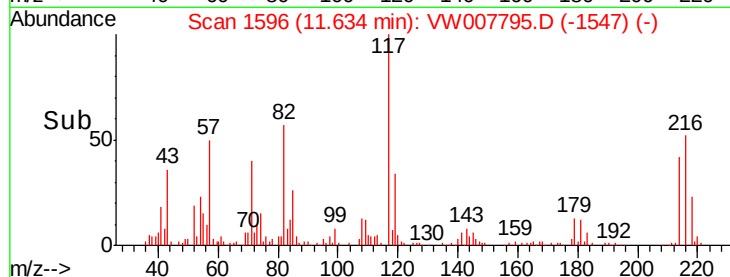
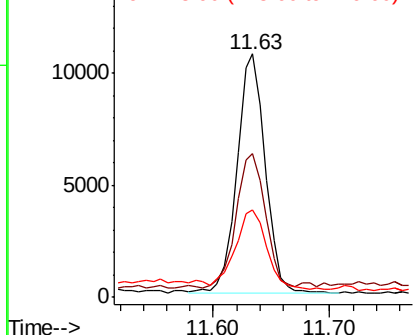
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0612-01RE

Tot Ion:117 Resp: 18202
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.4 25.7 38.5

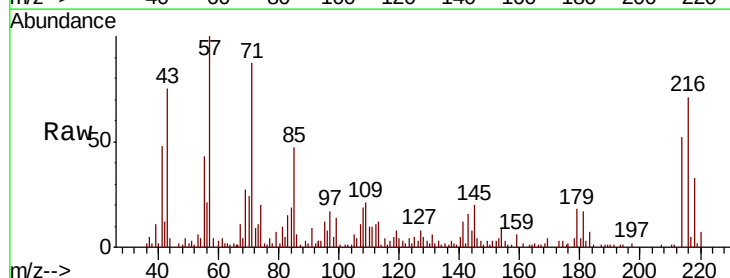


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

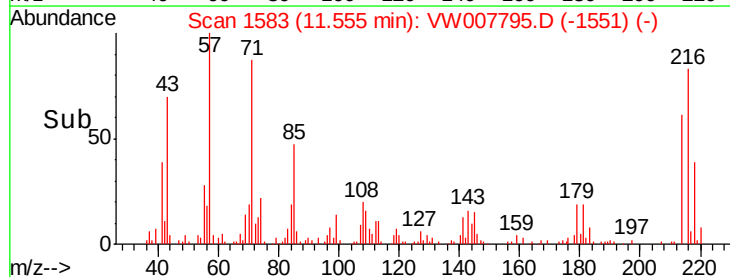
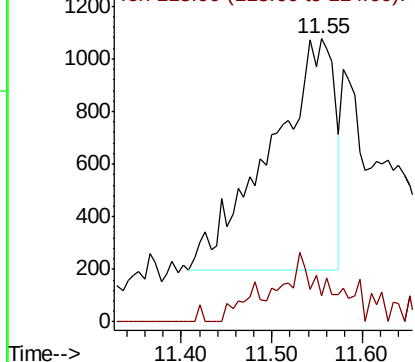


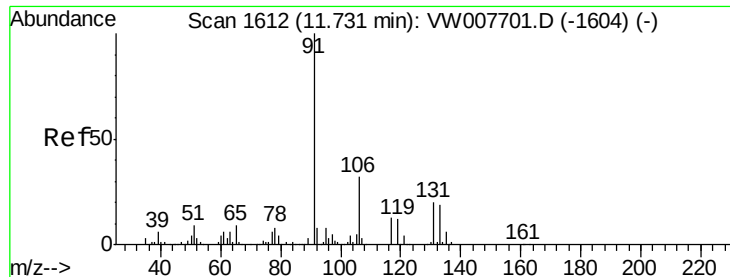
#65
Chlorobenzene
Concen: 10.986 ug/l
RT: 11.55 min Scan# 1583
Delta R.T. -0.10 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Tgt Ion:112 Resp: 4328
Ion Ratio Lower Upper
112 100
114 11.4 25.2 37.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

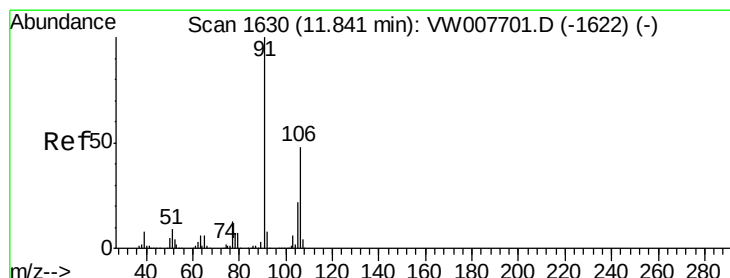
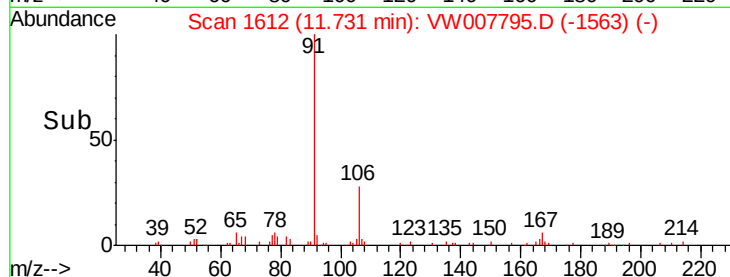
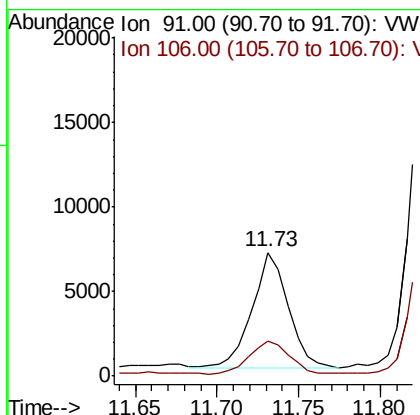
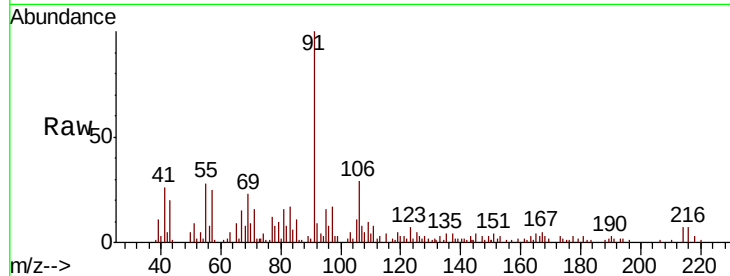




#67
Ethyl Benzene
Concen: 15.443 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

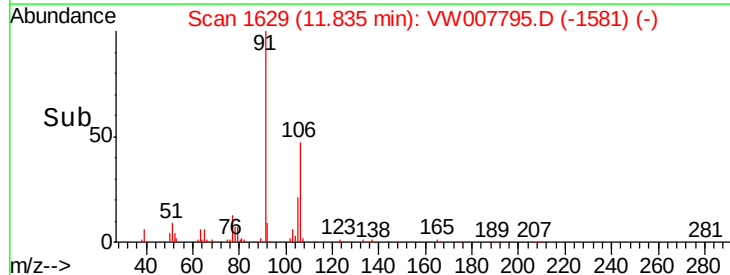
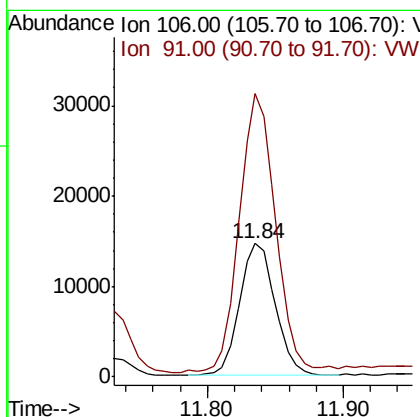
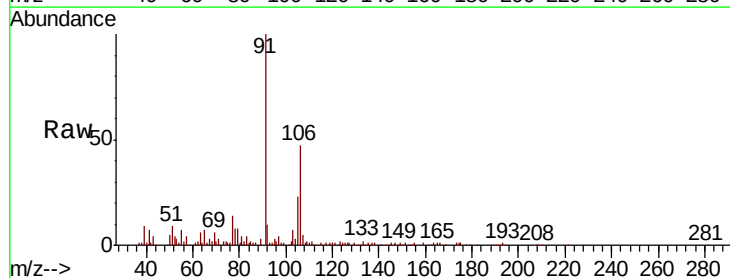
Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0612-01RE

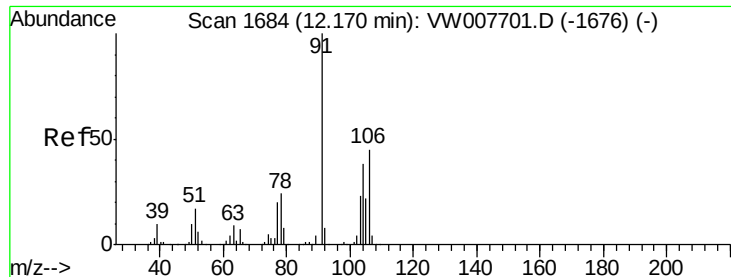
Tot Ion: 91 Resp: 10440
Ion Ratio Lower Upper
91 100
106 28.4 25.8 38.8



#68
m/p-Xylenes
Concen: 102.147 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Tgt Ion: 106 Resp: 26788
Ion Ratio Lower Upper
106 100
91 214.3 165.2 247.8

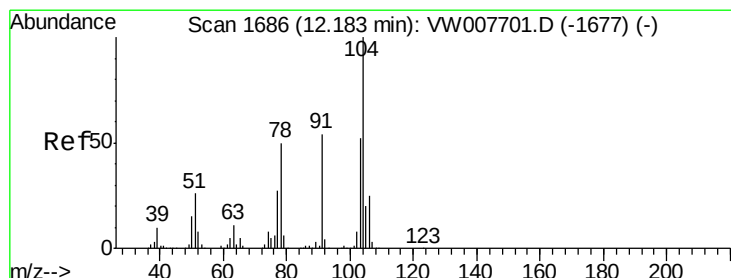
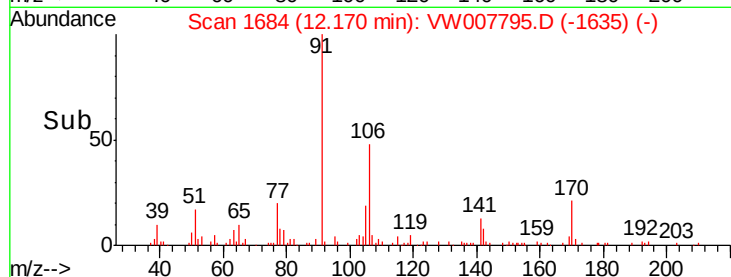
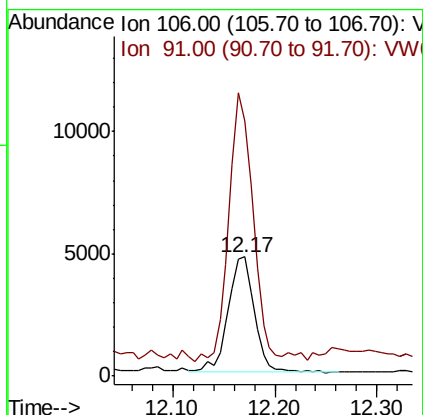
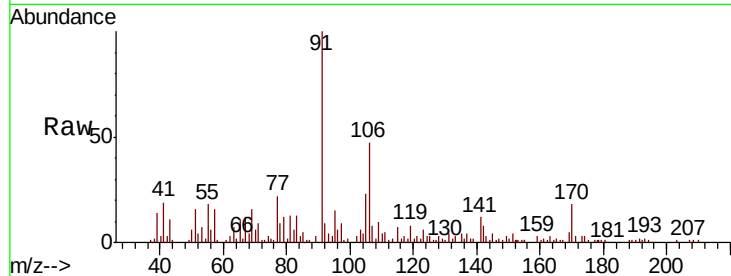




#69
o-Xylene
Concen: 34.244 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

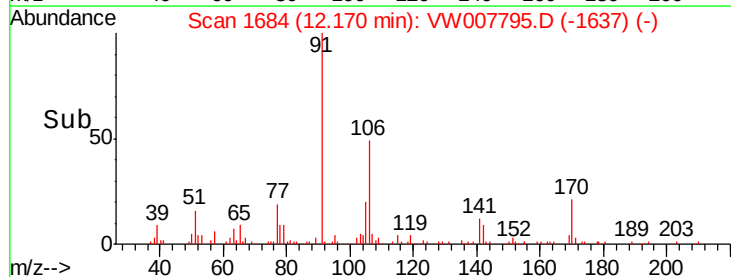
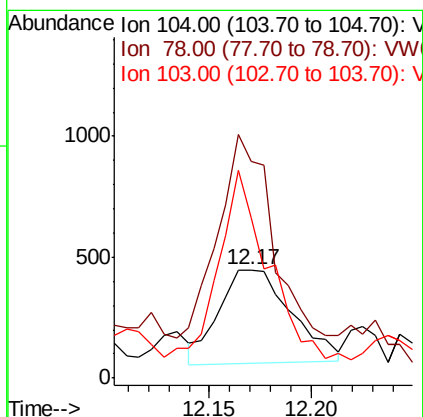
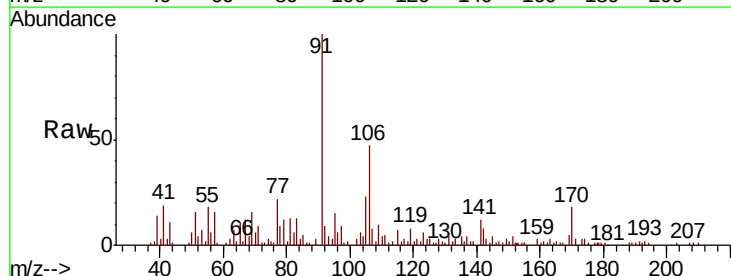
Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0612-01RE

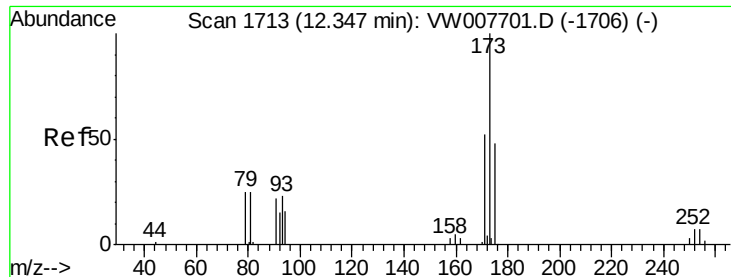
Tot Ion:106 Resp: 8418
Ion Ratio Lower Upper
106 100
91 212.3 110.5 331.4



#70
Styrene
Concen: 2.339 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Tgt Ion:104 Resp: 945
Ion Ratio Lower Upper
104 100
78 159.5 43.4 65.0#
103 138.2 44.5 66.7#





#71

Bromoform

Concen: 9.292 ug/l

RT: 12.33 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

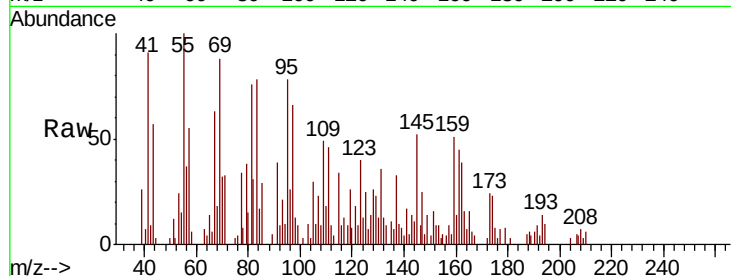
Tot Ion:173 Resp: 679

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

600

500

400

300

200

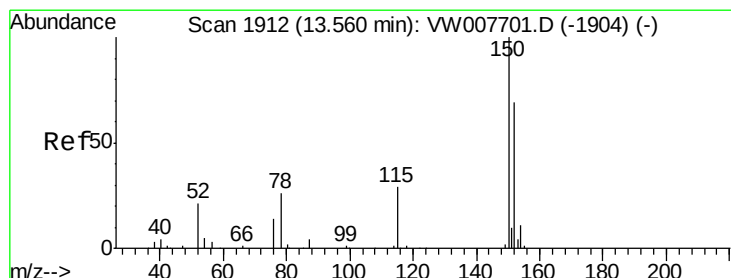
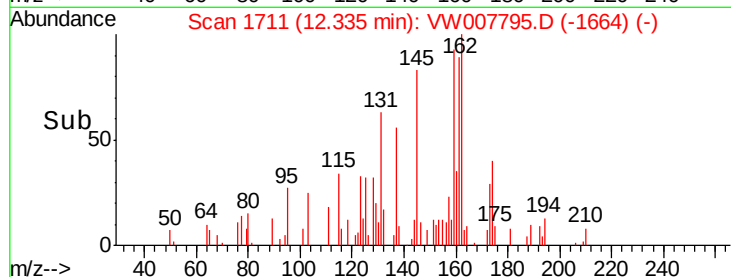
100

0

12.30

12.33

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

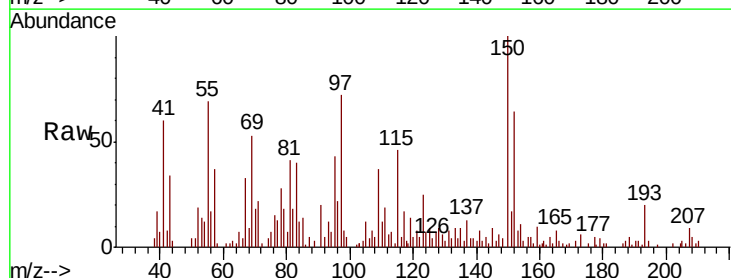
Tgt Ion:152 Resp: 5538

Ion Ratio Lower Upper

152 100

115 74.6 31.8 95.4

150 152.3 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

6000

4000

2000

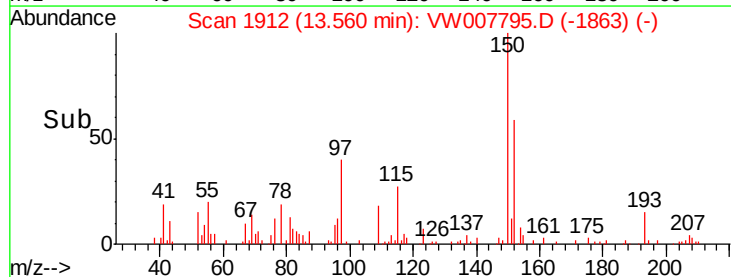
0

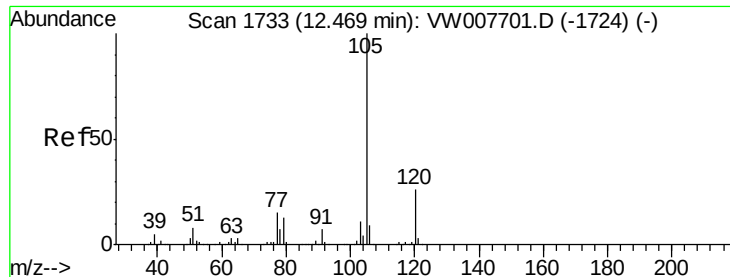
13.50

13.56

13.60

Time-->





#73

Isopropylbenzene

Concen: 9.608 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

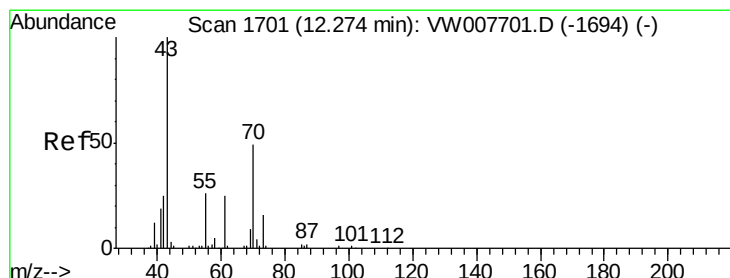
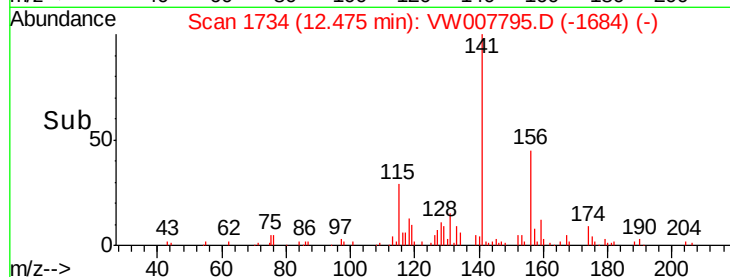
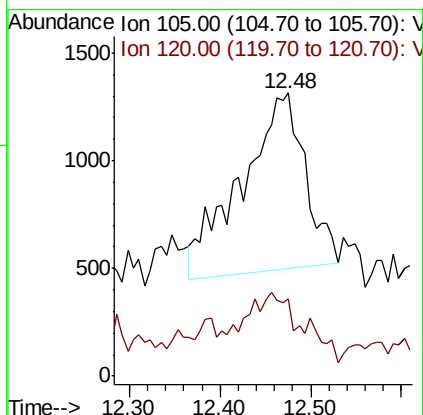
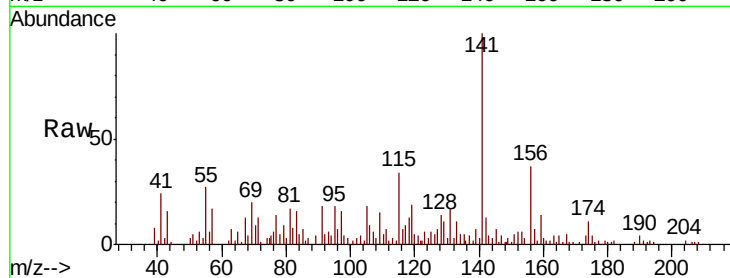
P001-SS007-0612-01RE

Tot Ion:105 Resp: 4022

Ion Ratio Lower Upper

105 100

120 14.0 13.1 39.3



#74

N-ethyl acetate

Concen: 2.482 ug/l

RT: 12.29 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Tgt Ion: 43 Resp: 180

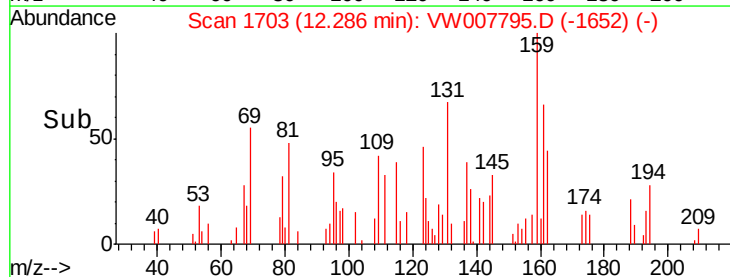
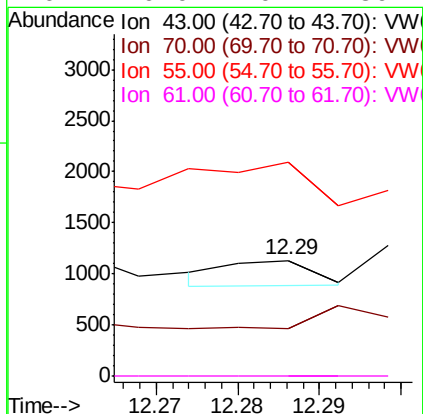
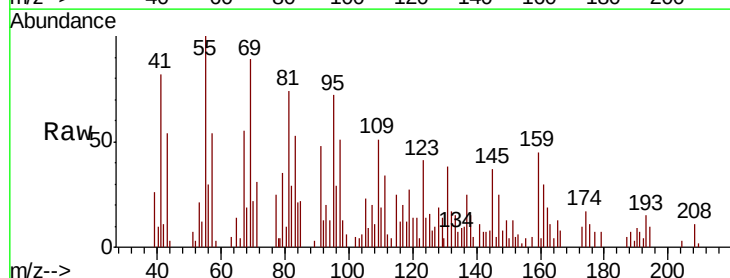
Ion Ratio Lower Upper

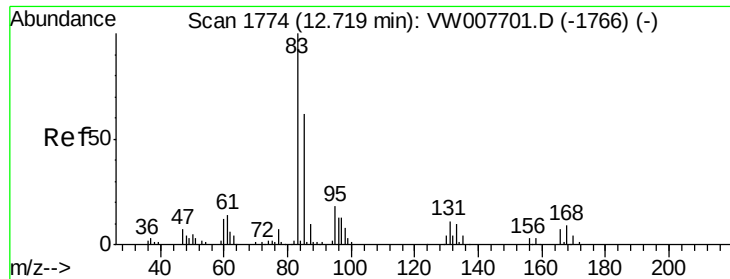
43 100

70 147.8 37.6 56.4#

55 226.1 21.7 32.5#

61 0.0 20.1 30.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 315.133 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

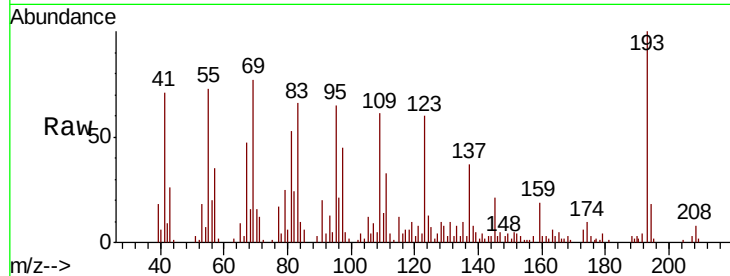
Tot Ion: 83 Resp: 19779

Ion Ratio Lower Upper

83 100

131 2.7 6.3 18.8#

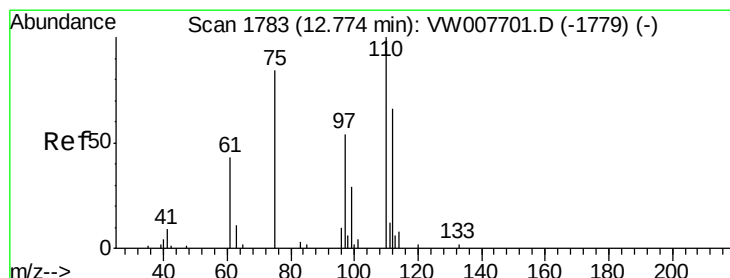
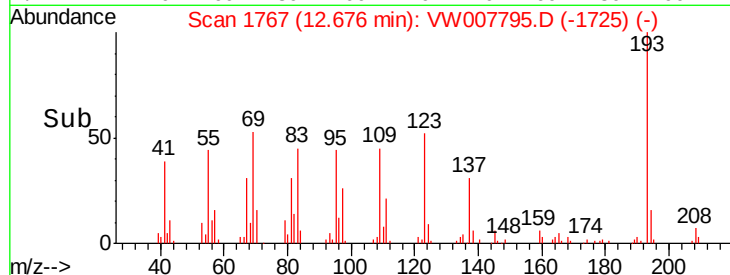
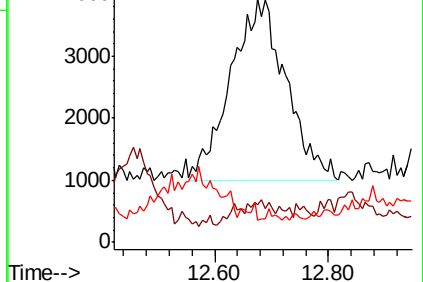
85 0.7 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 57.682 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.11 min

Lab File: VW007795.D

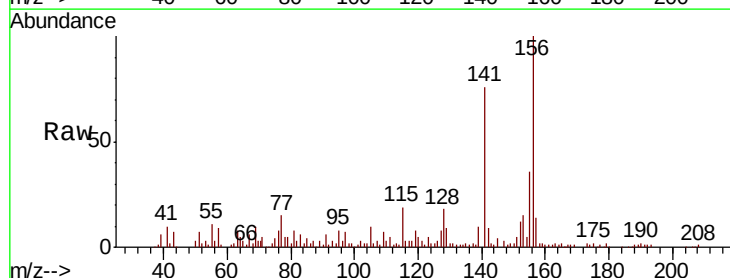
Acq: 21 Dec 2018 14:53

Tgt Ion: 75 Resp: 2469

Ion Ratio Lower Upper

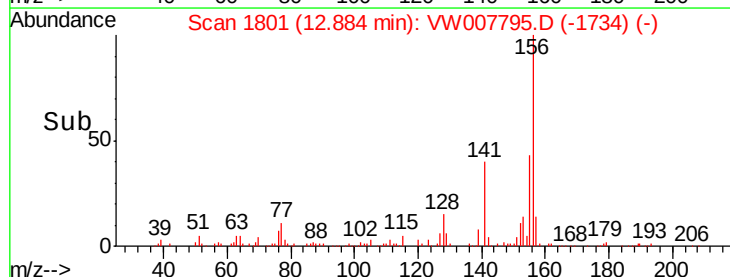
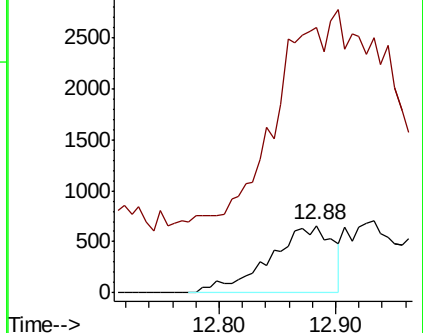
75 100

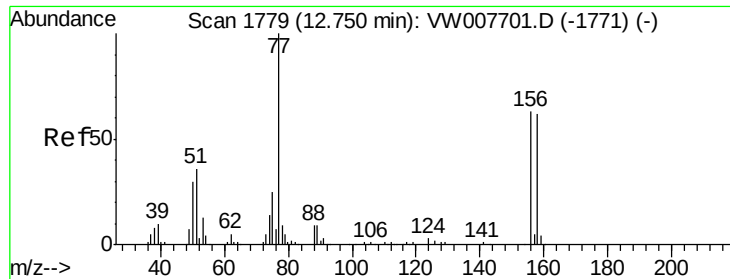
77 240.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1470.139 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.15 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

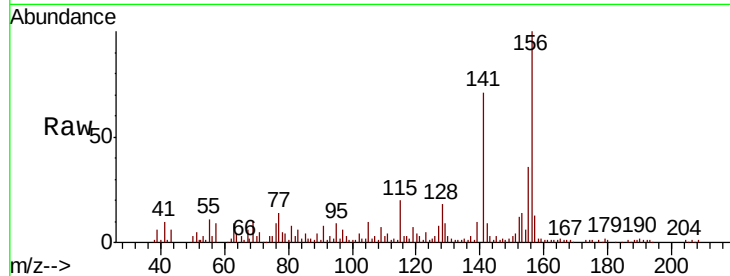
Tot Ion:156 Resp: 141038

Ion Ratio Lower Upper

156 100

77 4.2 87.4 262.1#

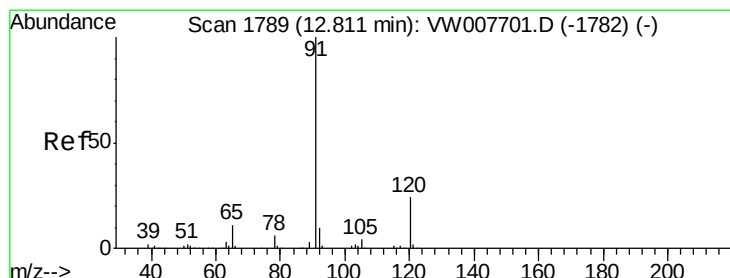
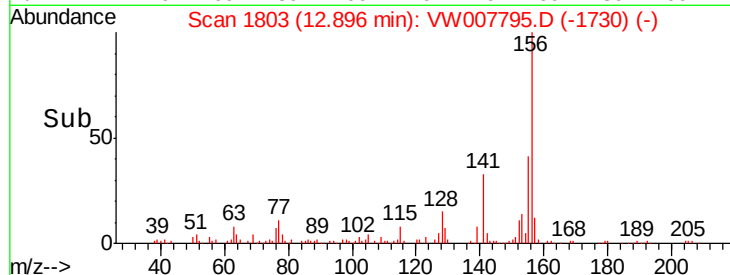
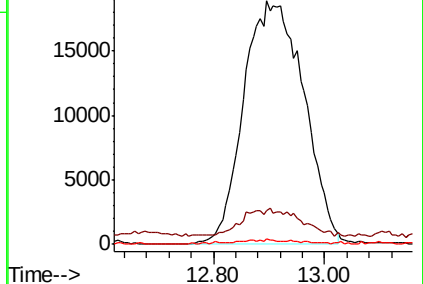
158 0.1 48.4 145.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.572 ug/l

RT: 13.01 min Scan# 1821

Delta R.T. 0.20 min

Lab File: VW007795.D

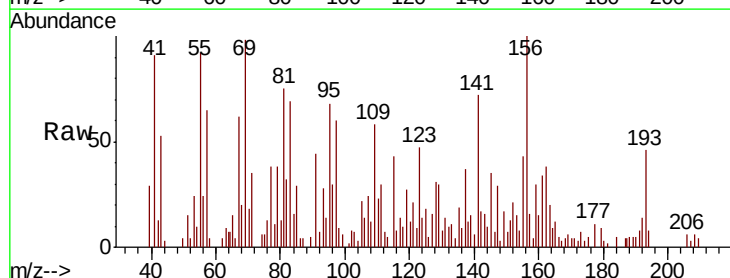
Acq: 21 Dec 2018 14:53

Tgt Ion: 91 Resp: 766

Ion Ratio Lower Upper

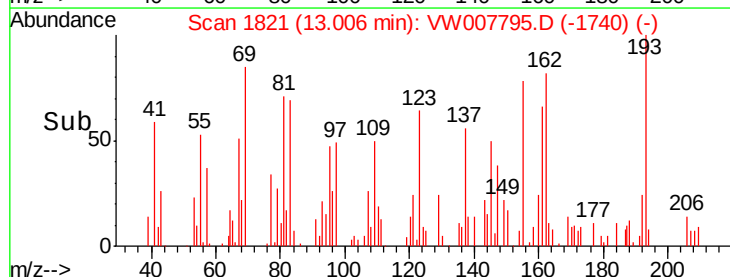
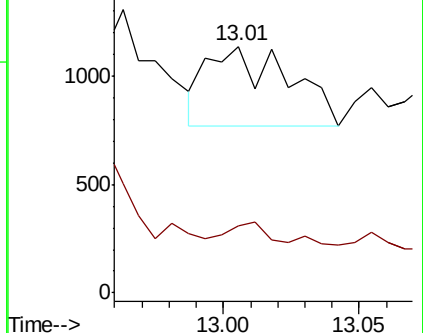
91 100

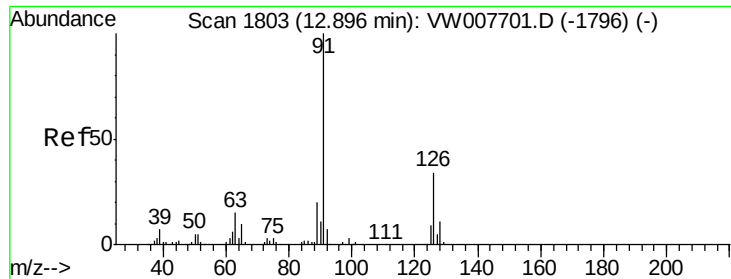
120 18.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

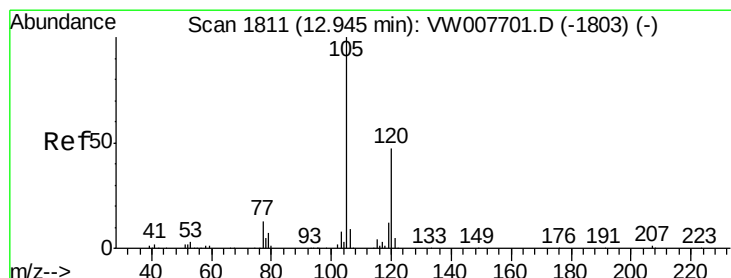
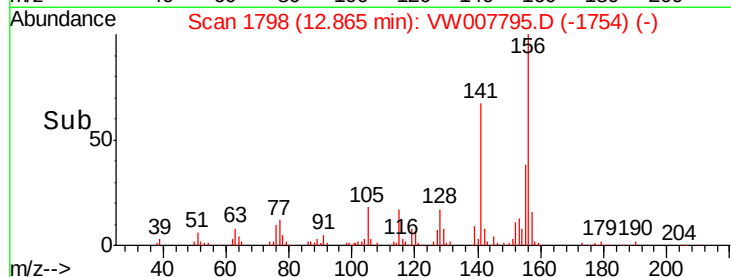
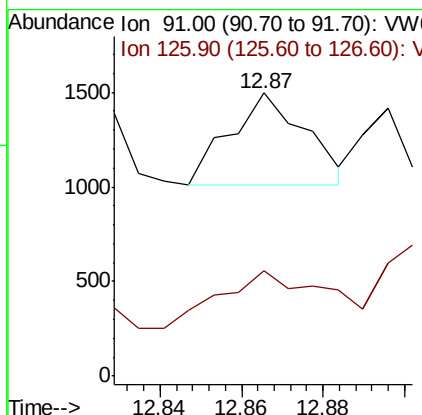
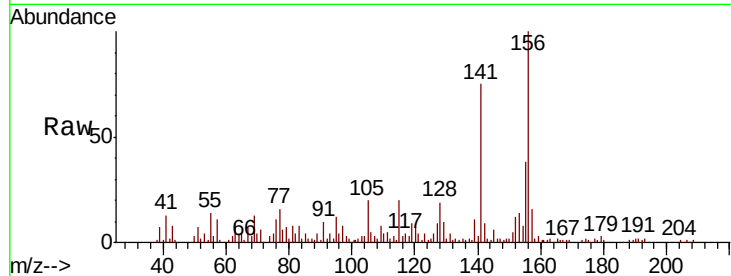




#79
2-Chlorotoluene
Concen: 2.191 ug/l
RT: 12.87 min Scan# 1798
Delta R.T. -0.03 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

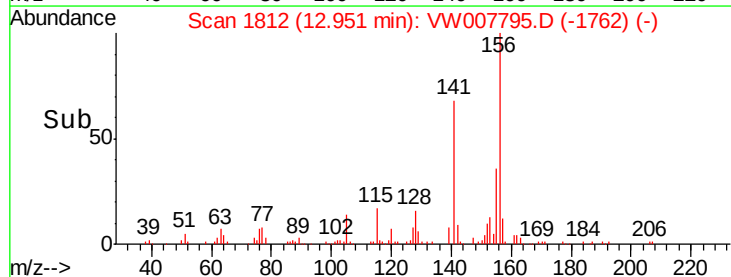
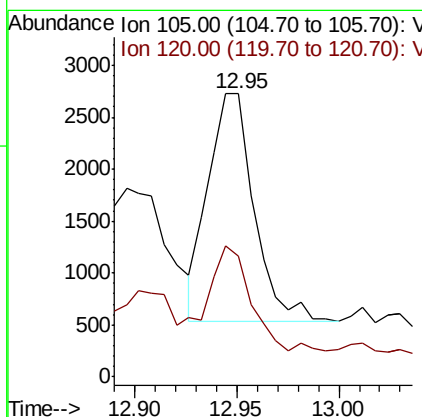
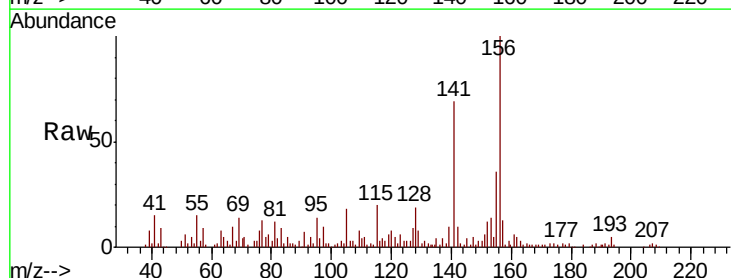
Instrument :
MSVOA_W
ClientSampleId :
P001-SS007-0612-01RE

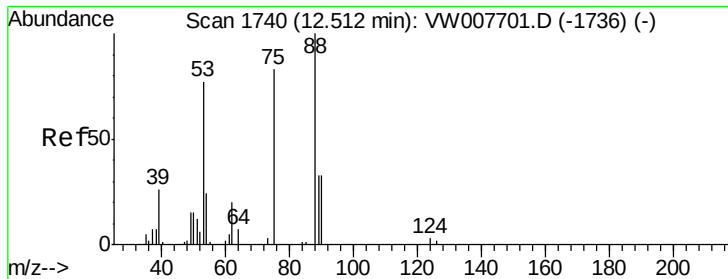
Tot Ion: 91 Resp: 622
Ion Ratio Lower Upper
91 100
126 94.5 17.0 51.0#



#80
1,3,5-Trimethylbenzene
Concen: 9.563 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007795.D
Acq: 21 Dec 2018 14:53

Tgt Ion:105 Resp: 3453
Ion Ratio Lower Upper
105 100
120 37.5 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 8.386 ug/l

RT: 12.51 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

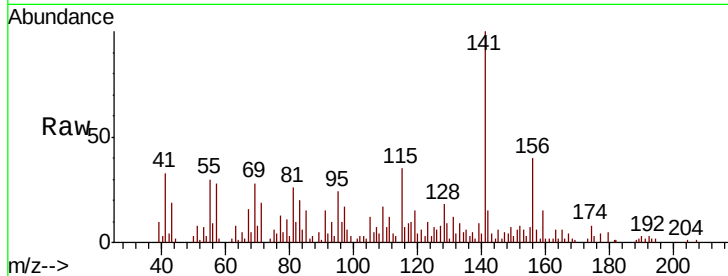
Tot Ion: 75 Resp: 171

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

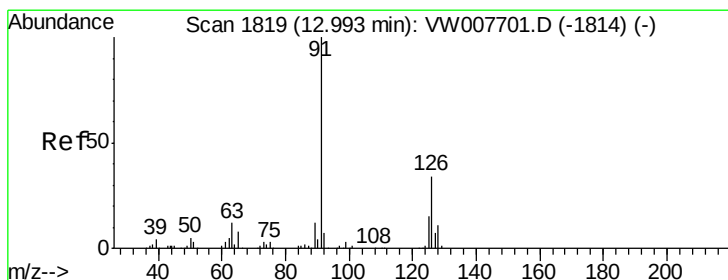
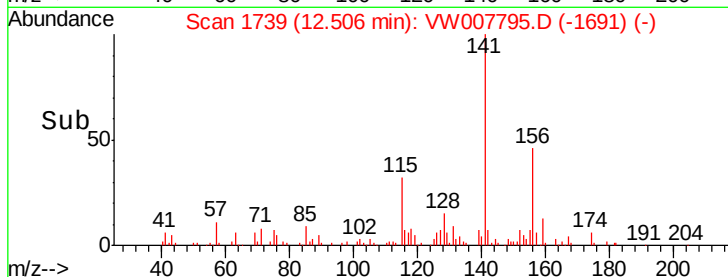
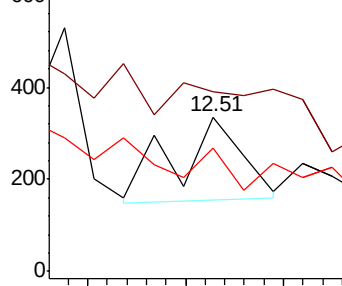
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 2.534 ug/l

RT: 13.01 min Scan# 1821

Delta R.T. 0.01 min

Lab File: VW007795.D

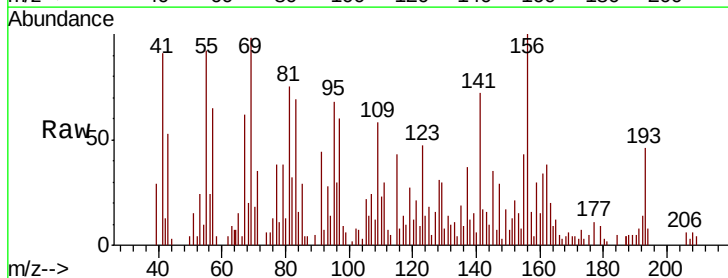
Acq: 21 Dec 2018 14:53

Tgt Ion: 91 Resp: 766

Ion Ratio Lower Upper

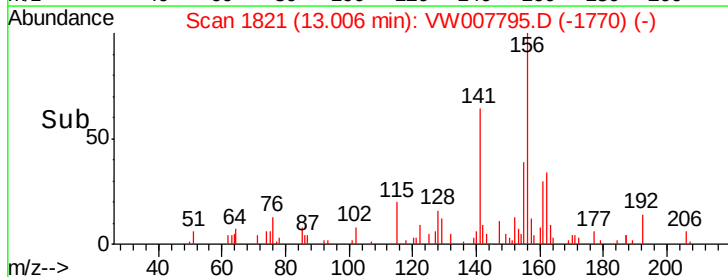
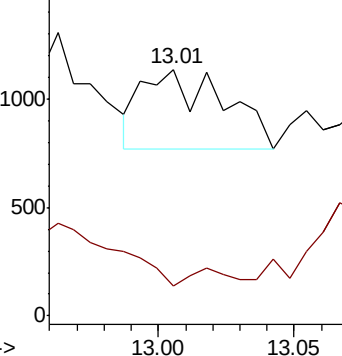
91 100

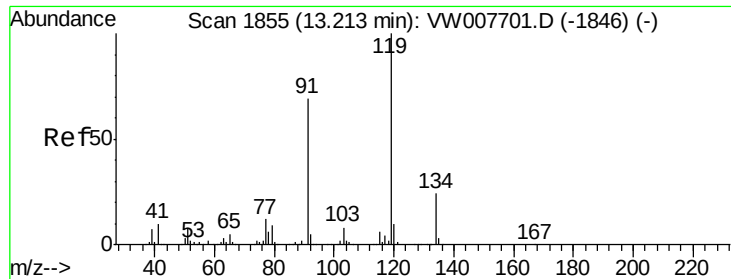
126 0.0 16.5 49.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 13.957 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

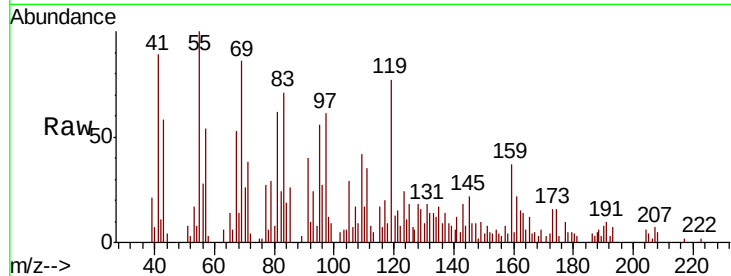
Tot Ion:119 Resp: 4422

Ion Ratio Lower Upper

119 100

91 11.1 34.2 102.5#

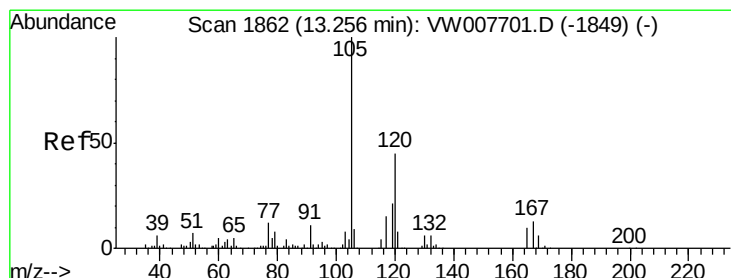
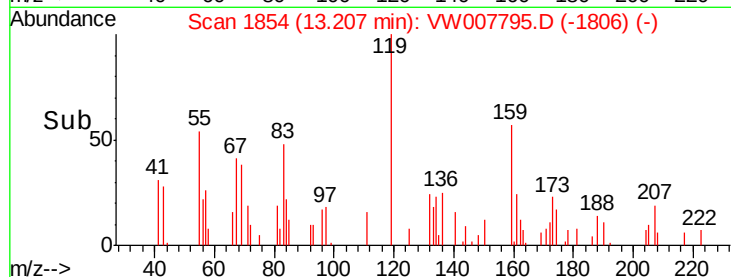
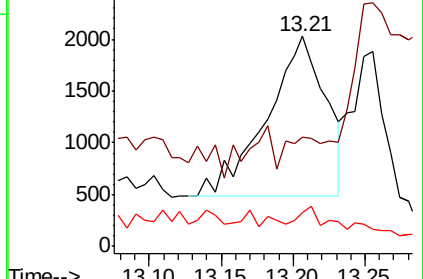
134 5.6 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 38.449 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007795.D

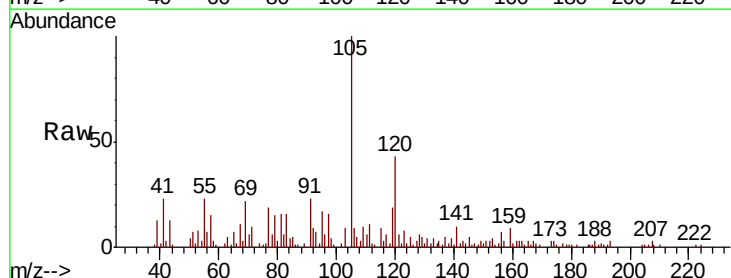
Acq: 21 Dec 2018 14:53

Tgt Ion:105 Resp: 14009

Ion Ratio Lower Upper

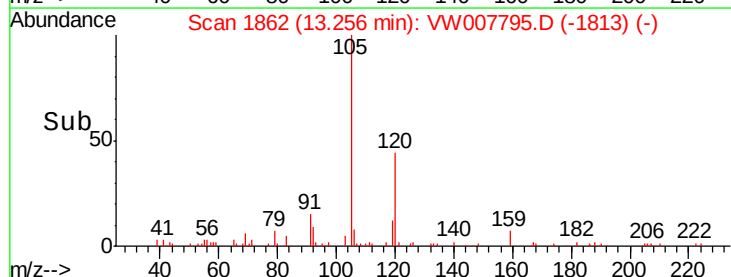
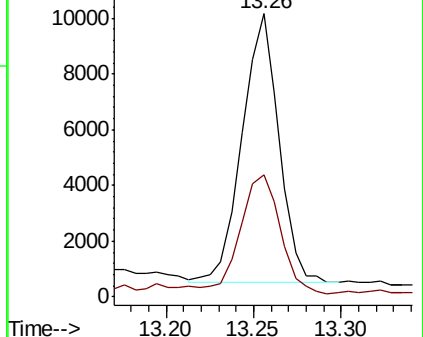
105 100

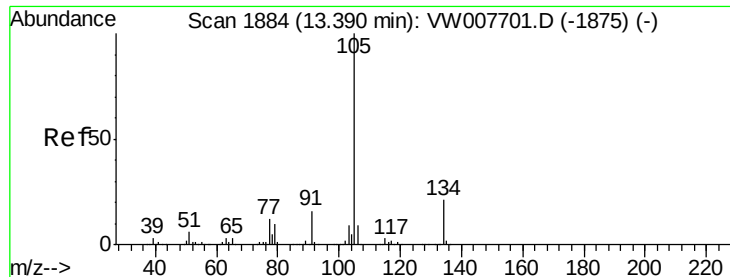
120 48.1 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.039 ug/l

RT: 13.46 min Scan# 1895

Delta R.T. 0.07 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

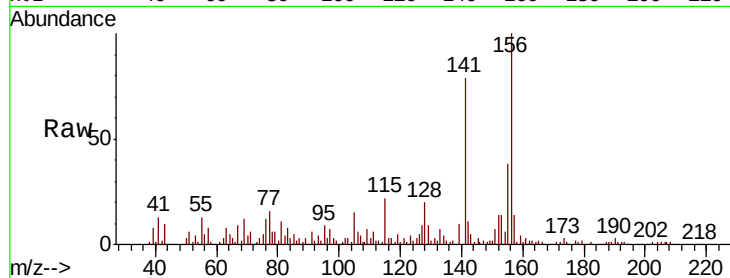
P001-SS007-0612-01RE

Tot Ion:105 Resp: 8313

Ion Ratio Lower Upper

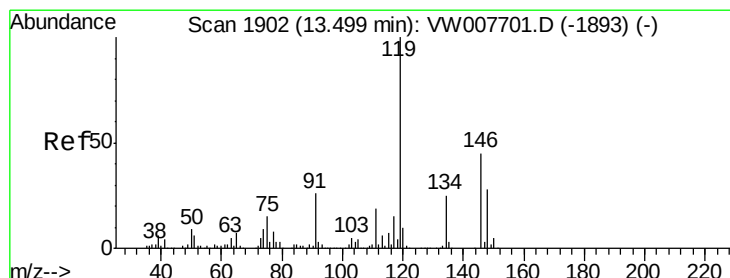
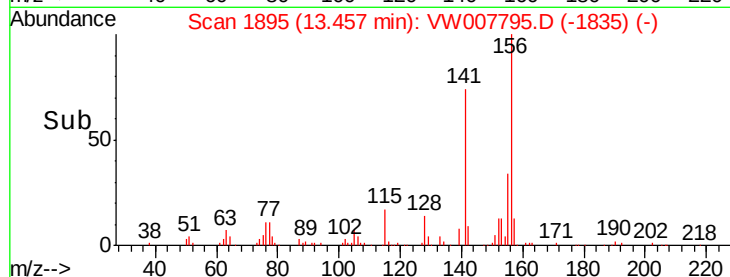
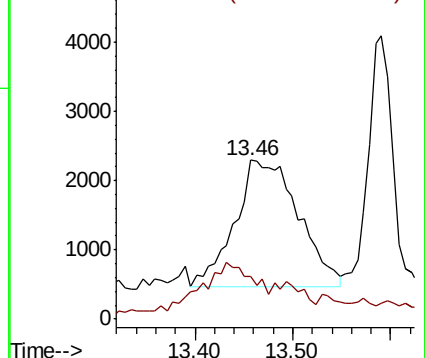
105 100

134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 8.861 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

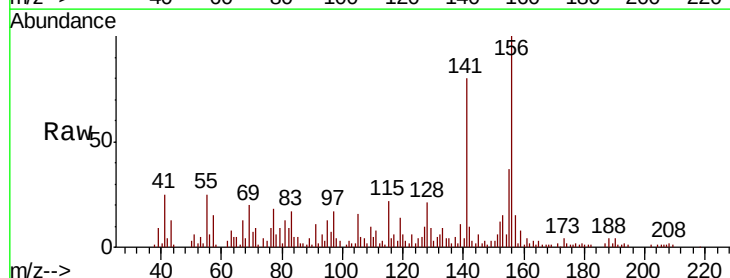
Tgt Ion:119 Resp: 3518

Ion Ratio Lower Upper

119 100

134 0.0 13.0 39.0#

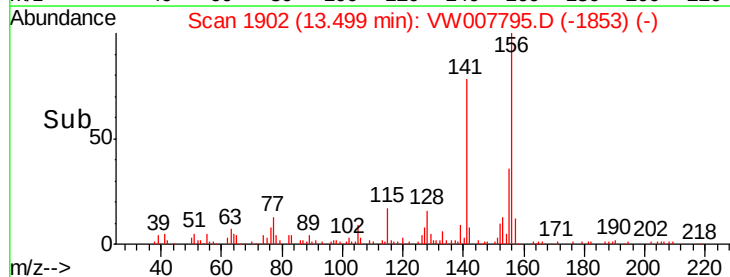
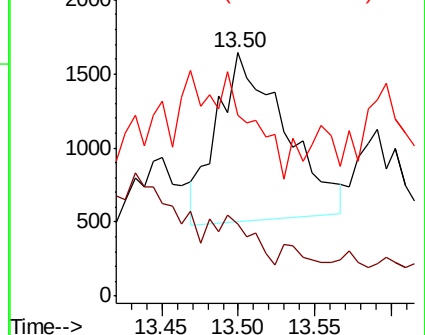
91 0.0 12.8 38.4#

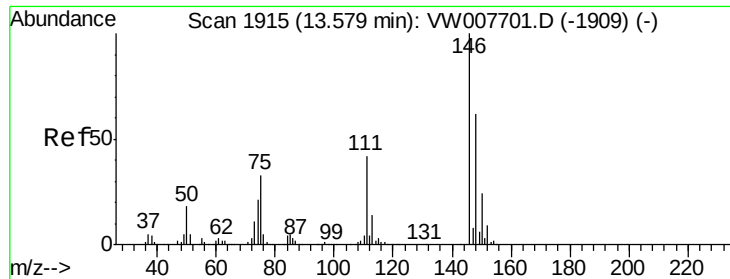


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 2.267 ug/l

RT: 13.63 min Scan# 1924

Delta R.T. 0.05 min

Lab File: VW007795.D

Acq: 21 Dec 2018 14:53

Instrument :

MSVOA_W

ClientSampleId :

P001-SS007-0612-01RE

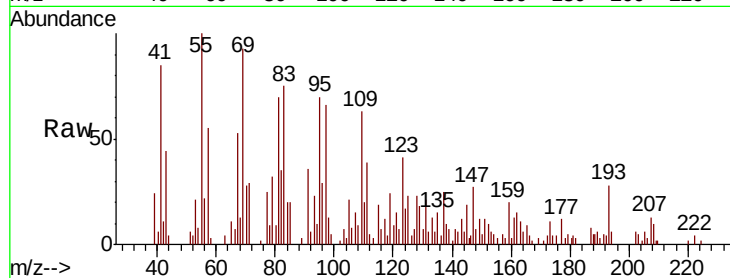
Tot Ion:146 Resp: 432

Ion Ratio Lower Upper

146 100

111 74.5 21.0 63.0#

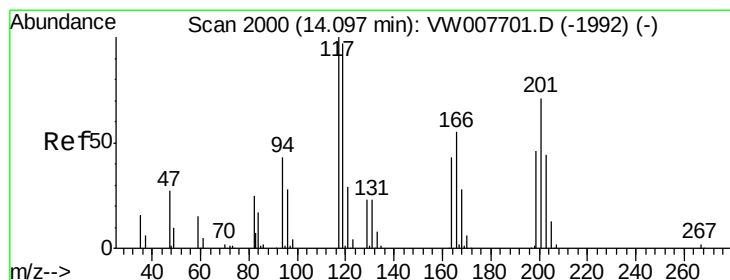
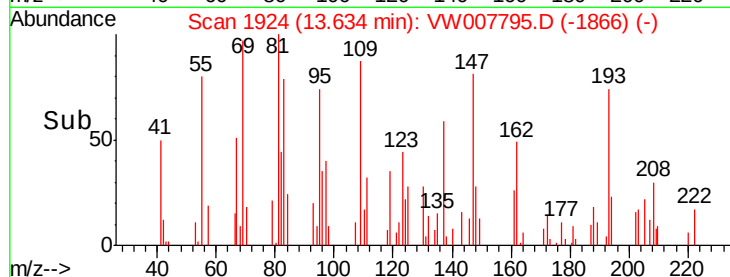
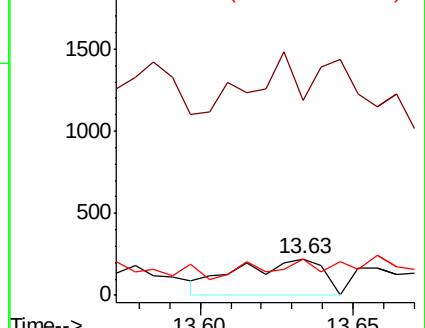
148 7.2 31.8 95.4#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 4.519 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW007795.D

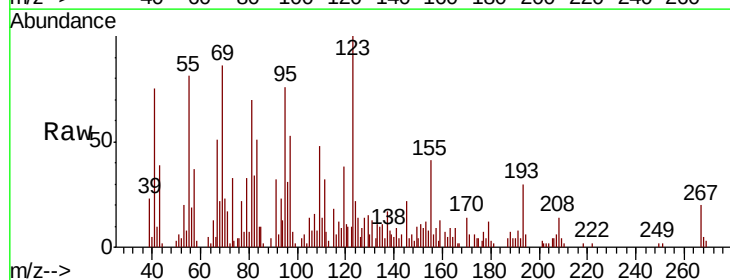
Acq: 21 Dec 2018 14:53

Tgt Ion:117 Resp: 315

Ion Ratio Lower Upper

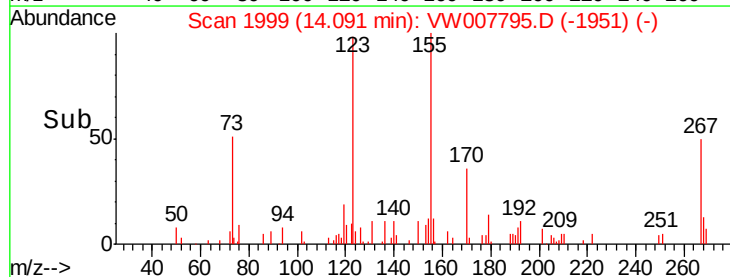
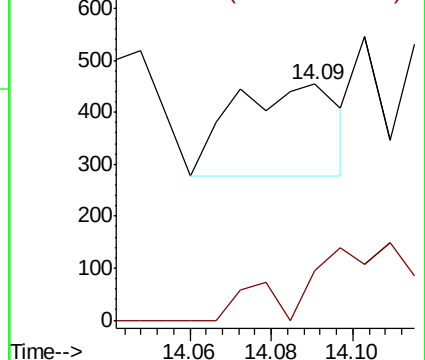
117 100

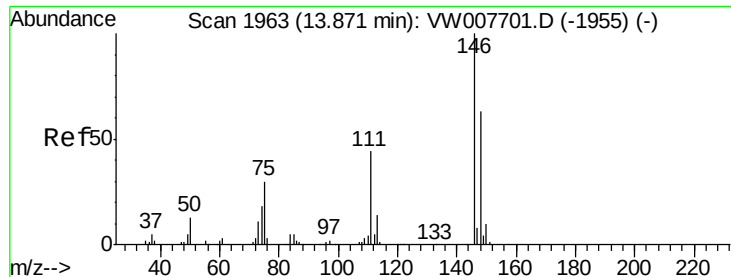
201 92.1 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

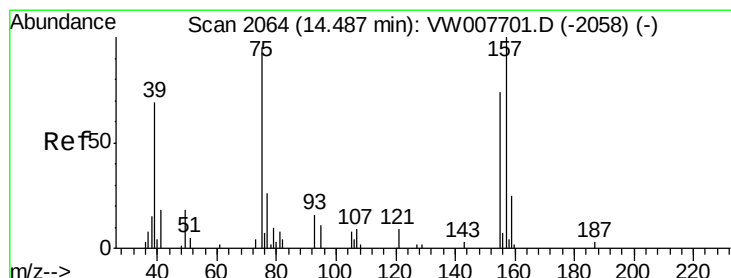
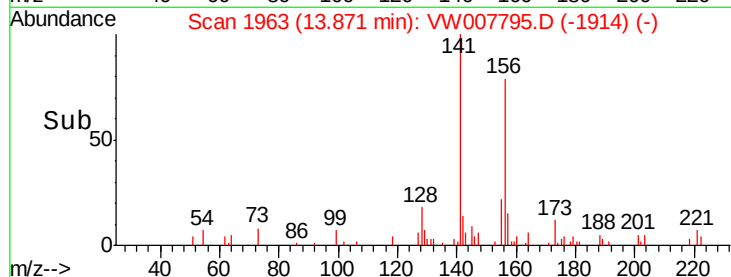
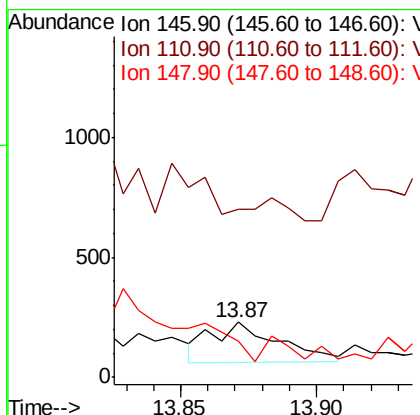
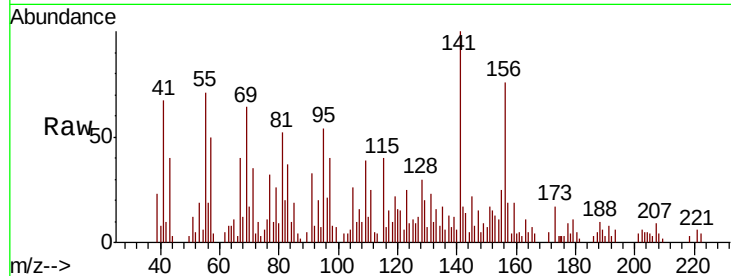




#91
 1,2-Dichlorobenzene
 Concen: 1.706 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

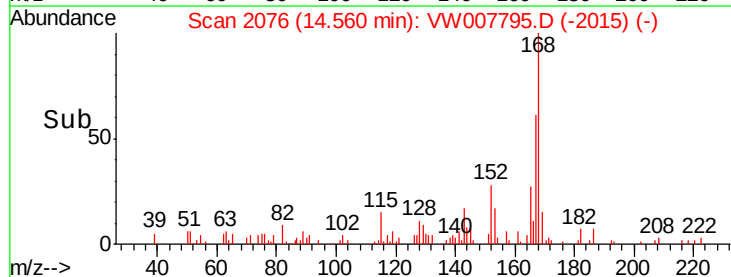
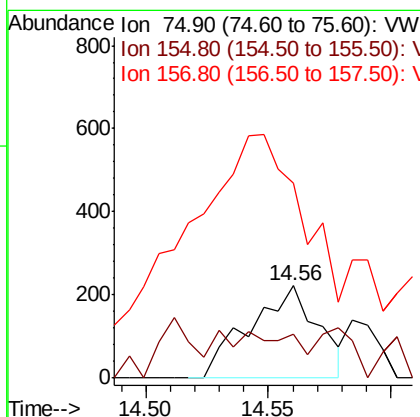
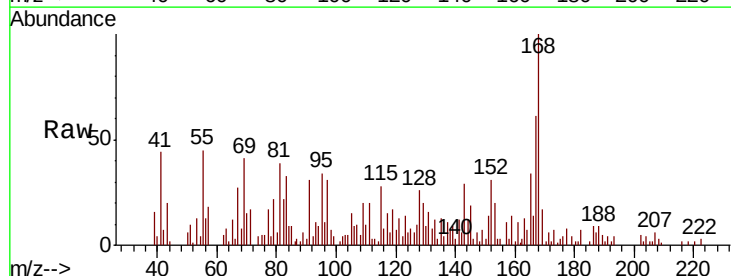
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0612-01RE

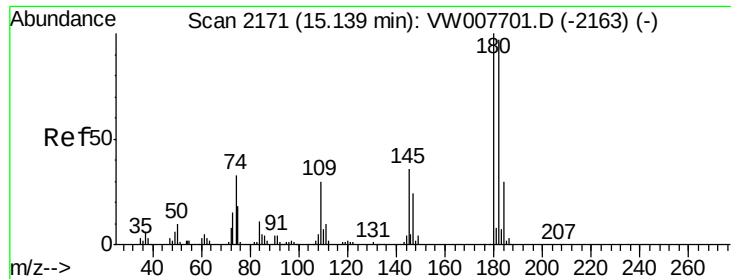
Tot Ion:146 Resp: 291
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.7 65.1#
 148 23.0 32.1 96.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 33.671 ug/l
 RT: 14.56 min Scan# 2076
 Delta R.T. 0.07 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Tgt Ion: 75 Resp: 434
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.4 118.1#
 157 349.8 52.0 156.0#

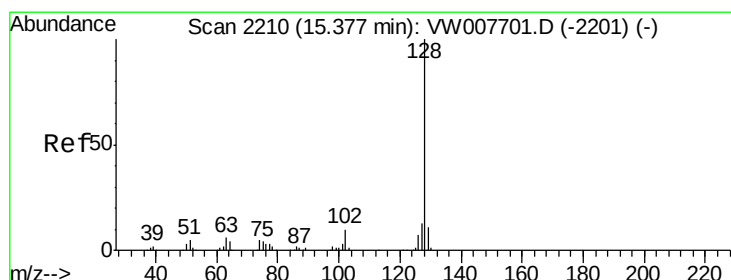
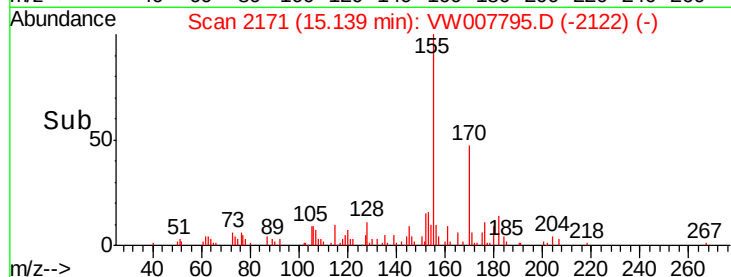
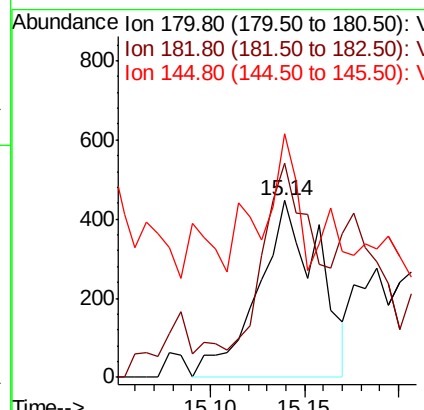
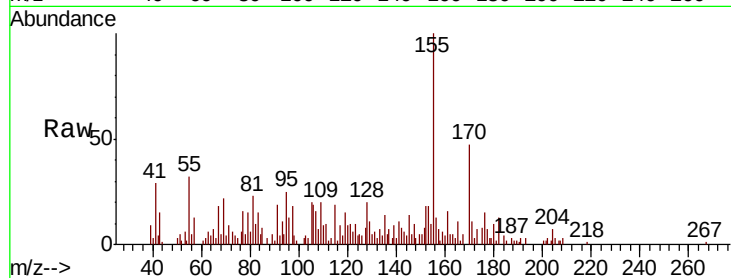




#93
 1,2,4-Trichlorobenzene
 Concen: 8.456 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

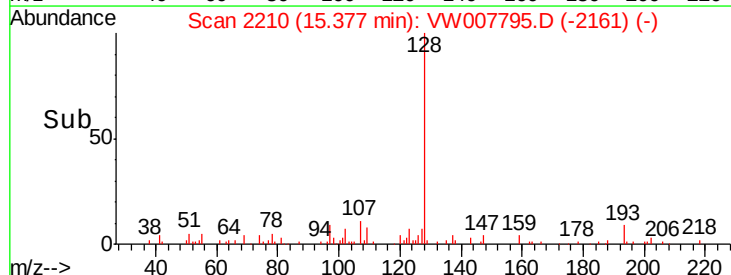
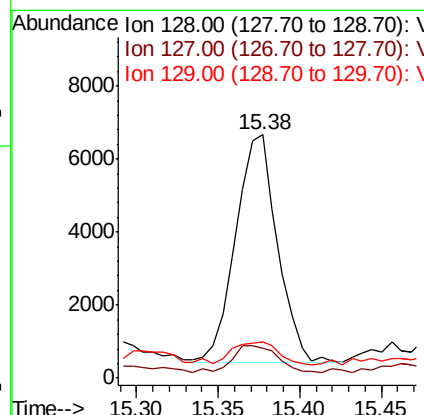
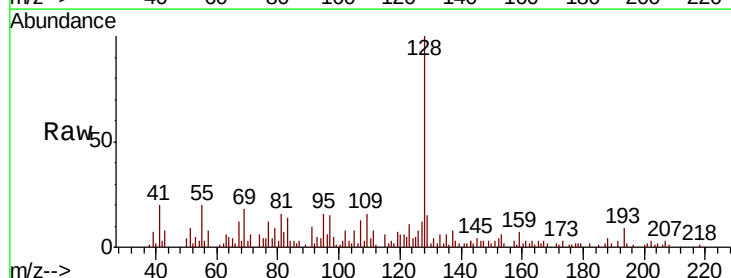
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0612-01RE

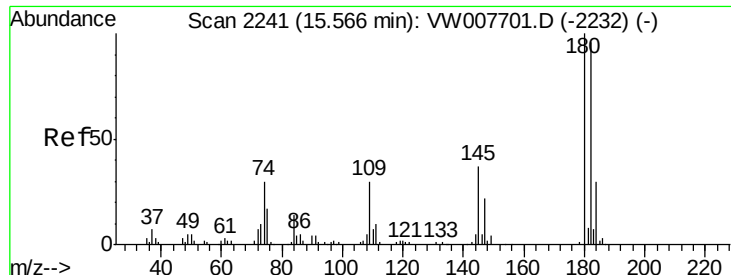
Tot Ion	Ratio	Lower	Upper
180	100		
182	106.6	47.5	142.6
145	41.8	17.5	52.5



#95
 Naphthalene
 Concen: 50.953 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.6	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.477 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007795.D
 Acq: 21 Dec 2018 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS007-0612-01RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	67.7	47.4	142.2
145	0.0	18.4	55.0

