

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005557.D
 Acq On : 21 Sep 2018 13:57
 Operator : VA/AP
 Sample : J5021-13RE
 Misc : 7.32G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 16:03:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	10336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	16720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	6314	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
35) Dibromofluoromethane	7.89	113	4566	43.43	ug/l	0.00
Spiked Amount			Recovery	=	86.86%	
50) Toluene-d8	10.33	98	17241	40.27	ug/l	0.00
Spiked Amount			Recovery	=	80.54%	
62) 4-Bromofluorobenzene	12.63	95	6200	39.14	ug/l	0.00
Spiked Amount			Recovery	=	78.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	87	1.047	ug/l #	42
13) Acrolein	3.99	56	20	Below Cal	#	13
16) Acetone	4.12	43	499	17.283	ug/l #	88
20) Methylene Chloride	4.92	84	953	5.527	ug/l #	92
25) 2-Butanone	7.19	43	71	2.401	ug/l #	50
29) Tetrahydrofuran	7.52	42	27	1.461	ug/l #	35
30) Chloroform	7.68	83	508	2.497	ug/l #	55
31) Cyclohexane	7.95	56	421	2.230	ug/l #	84
36) 1,1-Dichloropropene	7.95	75	875	5.199	ug/l #	56
38) Carbon Tetrachloride	7.95	117	1233	6.836	ug/l #	21
39) Methylcyclohexane	9.33	83	324	1.632	ug/l #	37
41) Methacrylonitrile	7.50	41	274	6.798	ug/l #	24
43) Isopropyl Acetate	8.41	43	143	1.027	ug/l #	52
46) Dibromomethane	9.46	93	275	4.691	ug/l #	2
47) Bromodichloromethane	9.66	83	258	1.638	ug/l #	58
48) Methyl methacrylate	9.42	41	461	6.970	ug/l #	67
51) 4-Methyl-2-Pentanone	10.19	43	140	1.996	ug/l #	37
55) 1,1,2-Trichloroethane	10.79	97	277	3.329	ug/l #	31
56) Ethyl methacrylate	10.66	69	1135	11.049	ug/l #	54
59) 2-Hexanone	11.00	43	252	5.289	ug/l	81
60) Dibromochloromethane	11.15	129	280	2.785	ug/l	85
61) 1,2-Dibromoethane	11.04	107	360	4.640	ug/l	90
64) Tetrachloroethene	10.87	164	353	2.767	ug/l #	39
65) Chlorobenzene	11.69	112	405	1.061	ug/l #	46
66) 1,1,1,2-Tetrachloroethane	11.76	131	504	3.669	ug/l #	38
68) m/p-Xylenes	11.85	106	317	1.239	ug/l #	50
69) o-Xylene	12.18	106	322	1.343	ug/l	46
70) Styrene	12.21	104	712	1.765	ug/l #	57
71) Bromoform	12.38	173	363	4.979	ug/l #	29
73) Isopropylbenzene	12.68	105	542	1.072	ug/l	75
74) N-amyl acetate	12.27	43	260	2.271	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.71	83	9864	117.452	ug/l #	26
76) 1,2,3-Trichloropropane	12.85	75	204	3.282	ug/l #	100
78) n-propylbenzene	12.76	91	1240	2.026	ug/l	97

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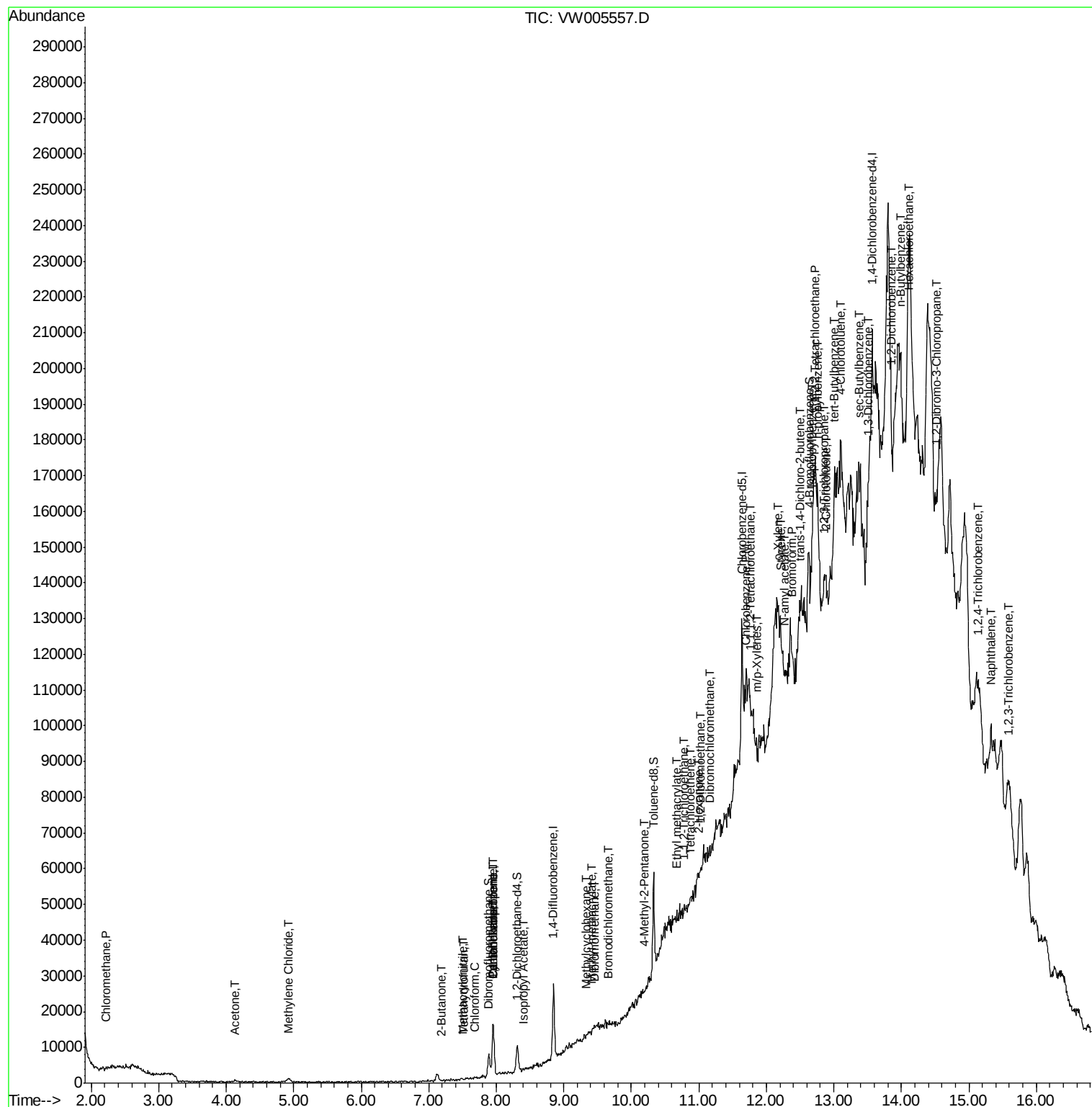
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.88	91	1592	4.495	uq/l	78
81) trans-1,4-Dichloro-2-buten	12.51	75	200	7.248	uq/l #	1
82) 4-Chlorotoluene	13.10	91	1024	2.737	uq/l	90
83) tert-Butylbenzene	13.01	119	2510	6.796	uq/l	82
85) sec-Butylbenzene	13.37	105	776	1.449	uq/l	88
87) 1,3-Dichlorobenzene	13.51	146	736	3.037	uq/l #	2
89) n-Butylbenzene	13.99	91	1066	2.354	uq/l	70
90) Hexachloroethane	14.11	117	4629	53.191	uq/l #	10
91) 1,2-Dichlorobenzene	13.85	146	237	1.108	uq/l #	51
92) 1,2-Dibromo-3-Chloropropan	14.52	75	127	7.937	uq/l #	39
93) 1,2,4-Trichlorobenzene	15.15	180	385	2.523	uq/l #	21
95) Naphthalene	15.32	128	539	2.100	uq/l #	1
96) 1,2,3-Trichlorobenzene	15.58	180	308	2.290	uq/l #	13

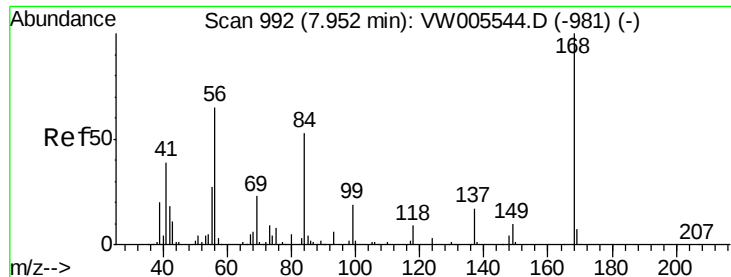
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092218\
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 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: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

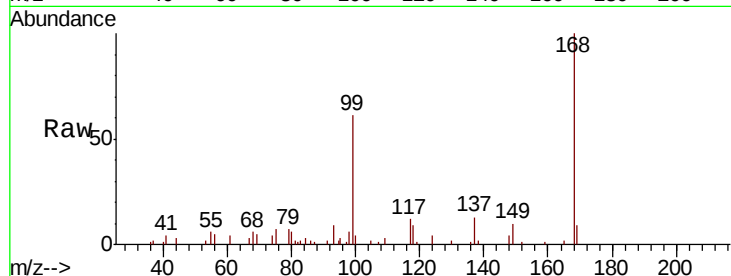
ClientSampled :

Tot Ion:168 Resp: 10336

Ion Ratio Lower Upper

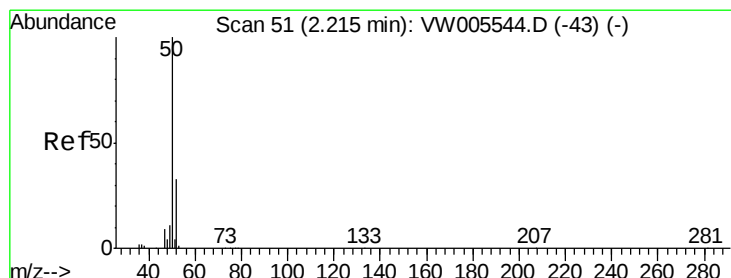
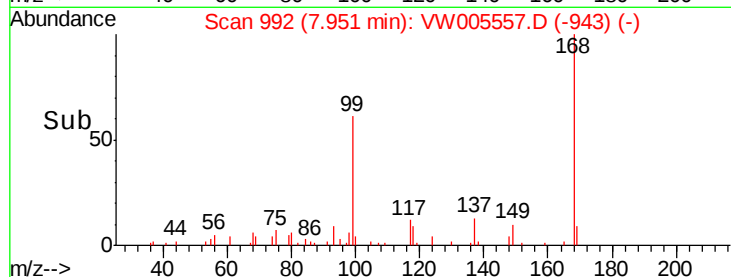
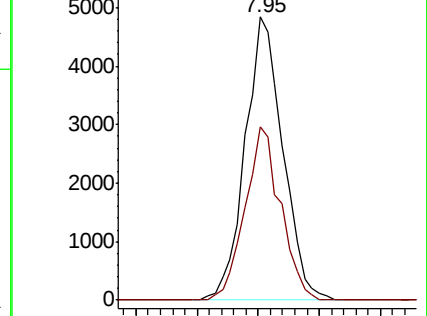
168 100

99 61.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.047 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005557.D

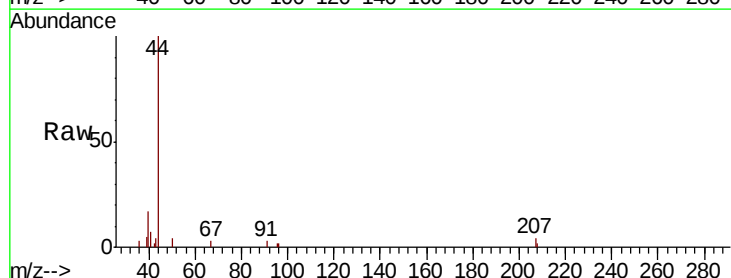
Acq: 21 Sep 2018 13:57

Tgt Ion: 50 Resp: 87

Ion Ratio Lower Upper

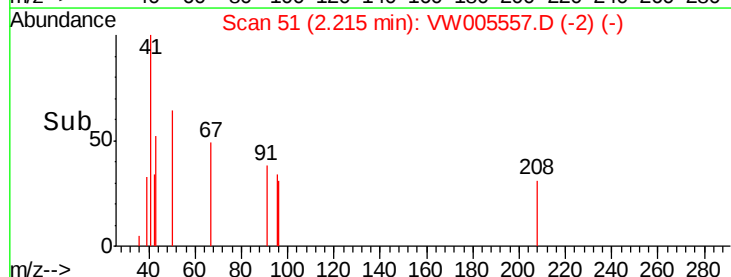
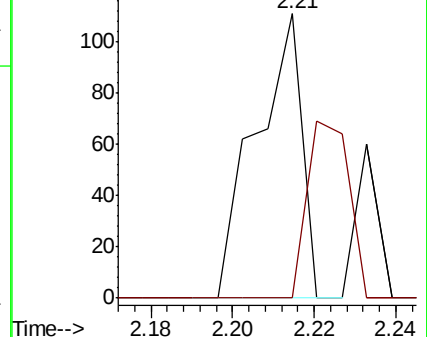
50 100

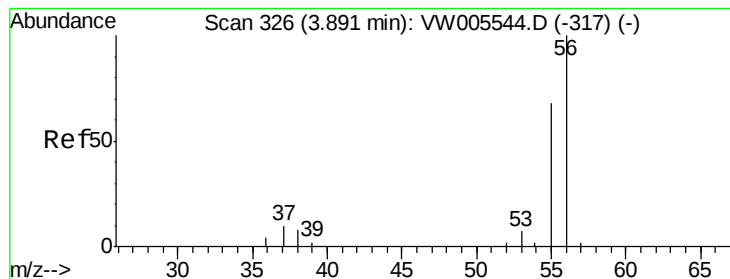
52 0.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#13

Acrolein

Concen: Below Cal

RT: 3.99 min Scan# 343

Delta R.T. 0.10 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

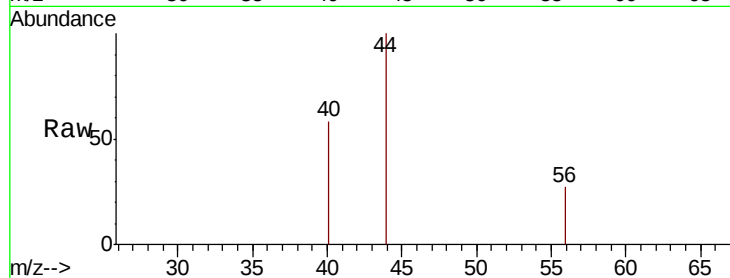
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

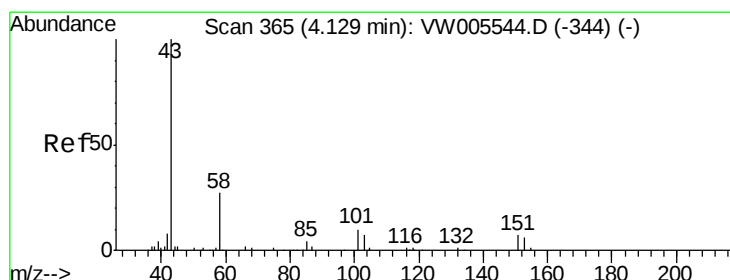
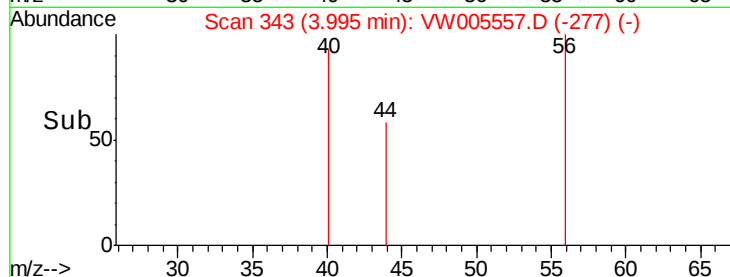
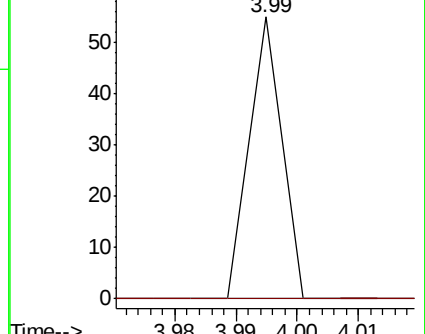
56 100

55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 17.283 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005557.D

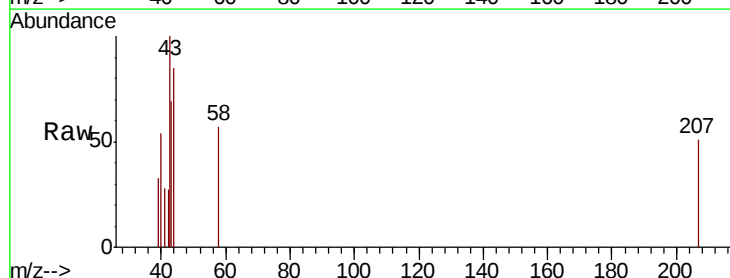
Acq: 21 Sep 2018 13:57

Tgt Ion: 43 Resp: 499

Ion Ratio Lower Upper

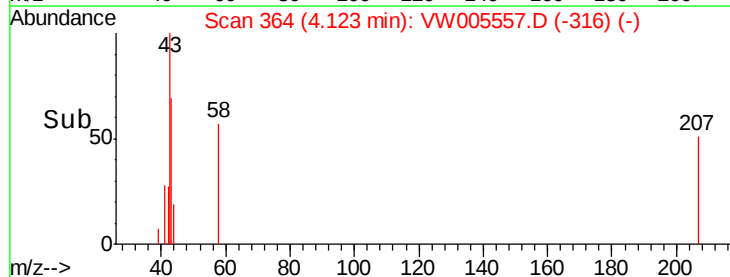
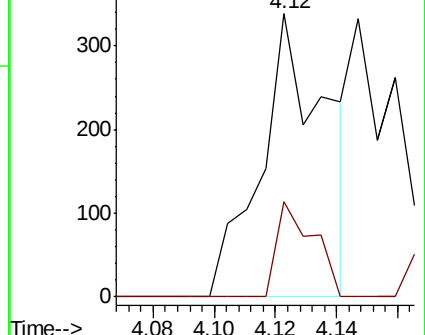
43 100

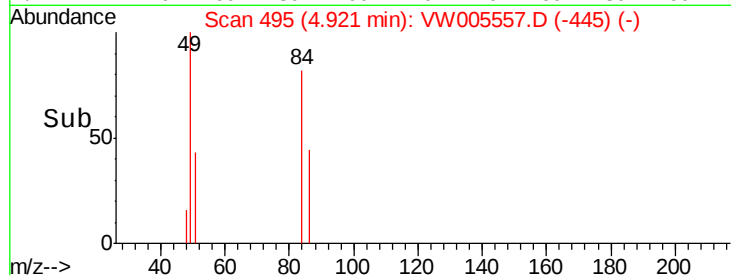
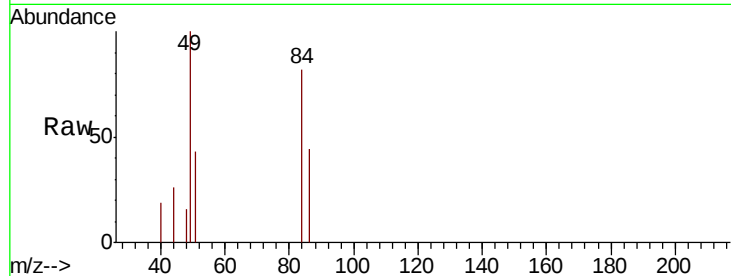
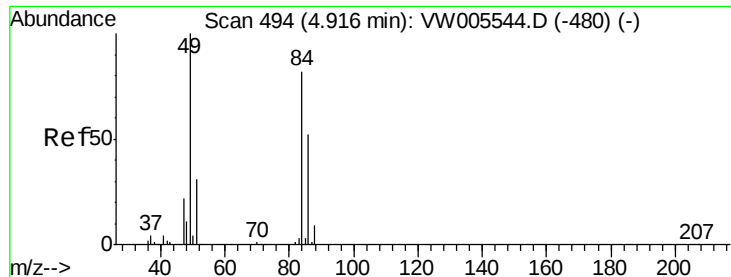
58 33.7 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

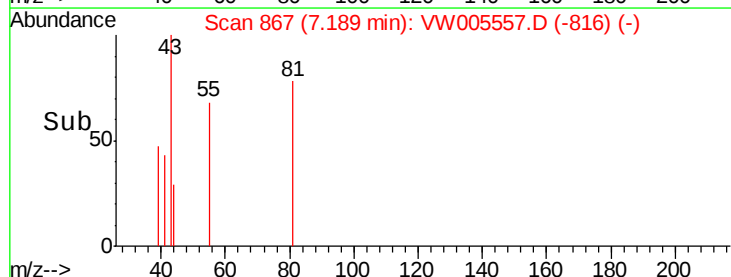
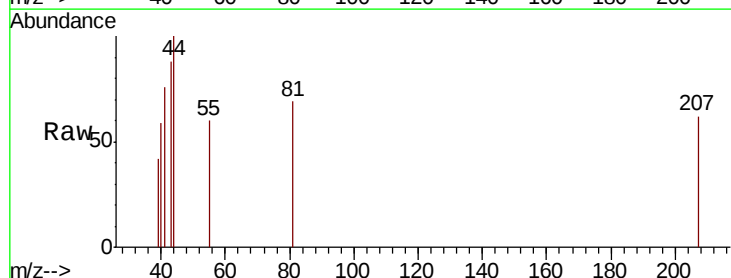
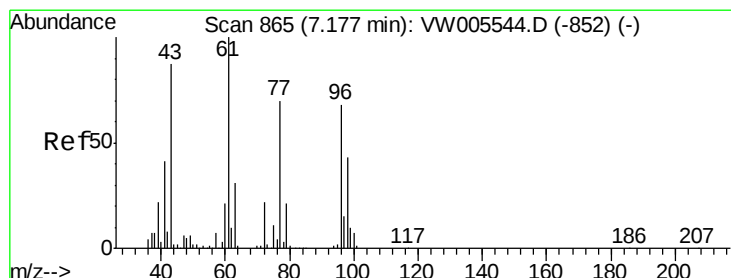
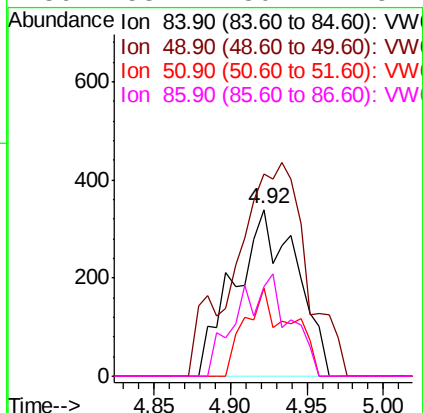




#20
Methvlene Chloride
Concen: 5.527 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005557.D
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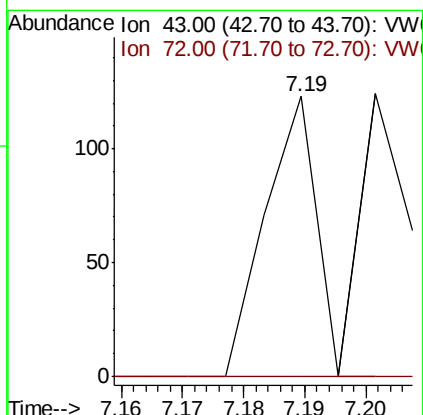
Instrument :
MSVOA_W
ClientSampleId :

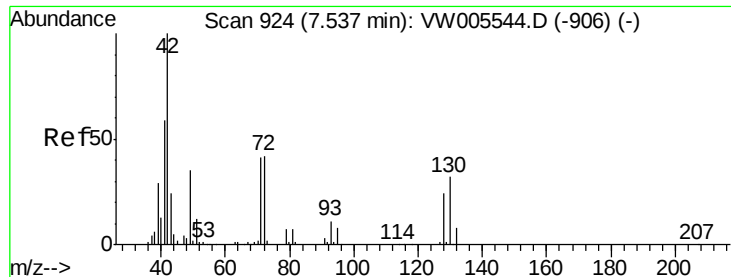
Tot Ion: 84 Resp: 953
Ion Ratio Lower Upper
84 100
49 121.5 97.0 145.6
51 52.8 30.2 45.2#
86 53.7 50.2 75.4



#25
2-Butanone
Concen: 2.401 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

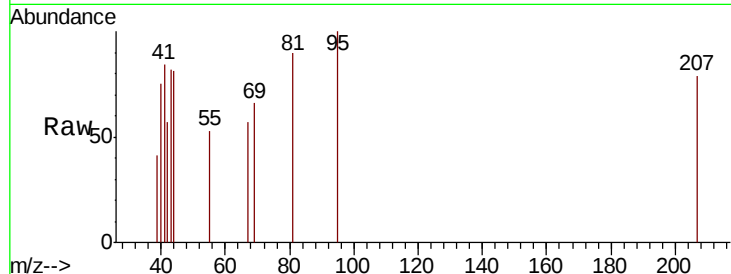




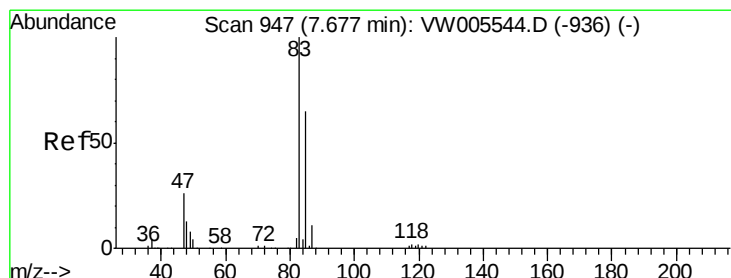
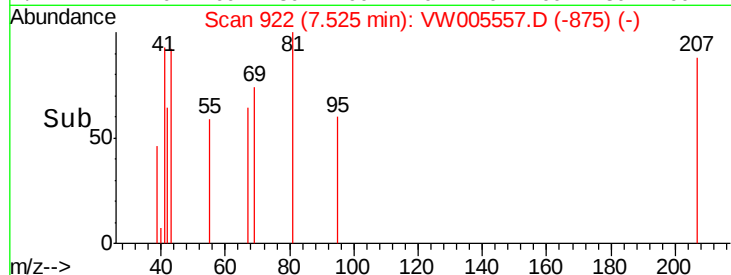
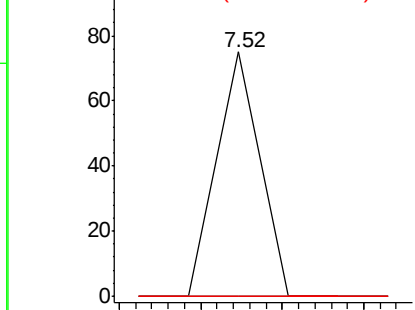
#29
Tetrahydrofuran
Concen: 1.461 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 27
Ion Ratio Lower Upper
42 100
72 0.0 33.6 50.4#
71 0.0 31.8 47.6#

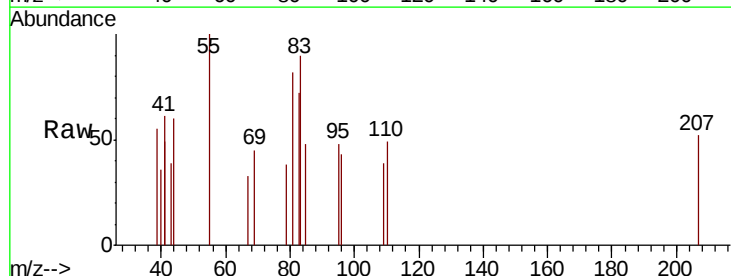


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

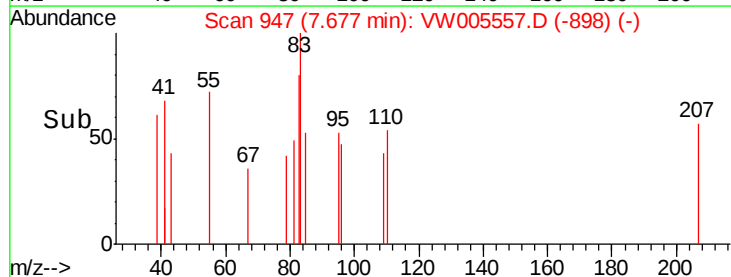
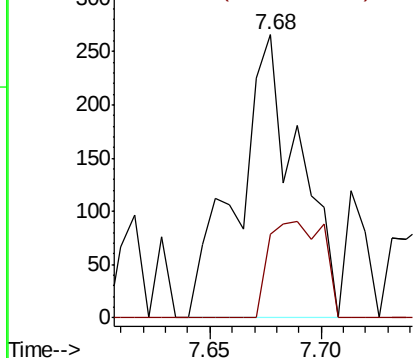


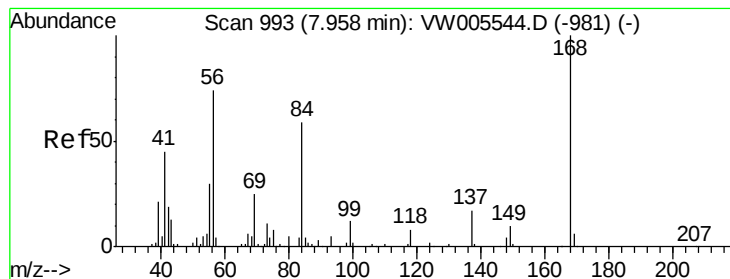
#30
Chloroform
Concen: 2.497 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion: 83 Resp: 508
Ion Ratio Lower Upper
83 100
85 29.3 51.8 77.6#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 2.230 ug/l

RT: 7.95 min Scan# 992

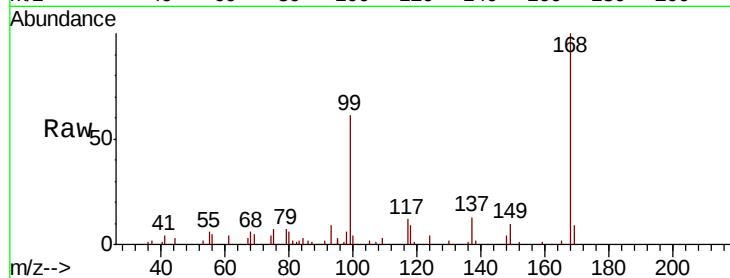
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Lab File: VW005557.D

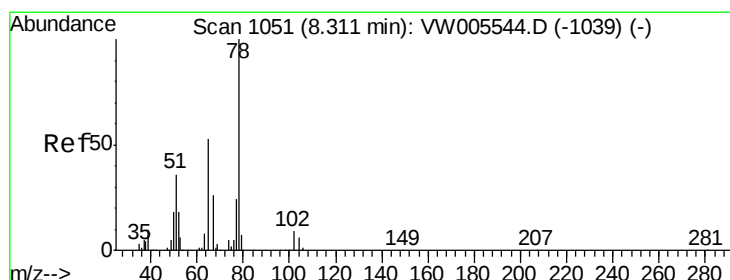
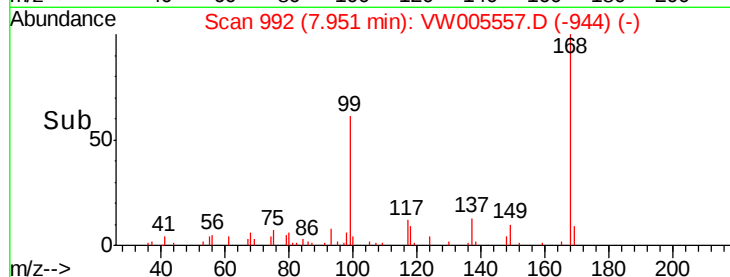
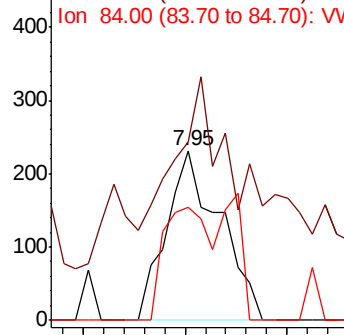
Acq: 21 Sep 2018 13:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	56	Resp:	421
Ion	Ratio	Lower	Upper
56	100		
69	44.2	27.0	40.4#
84	66.7	64.2	96.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 51.854 ug/l

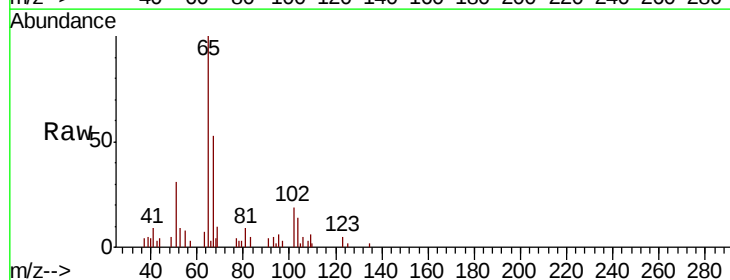
RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

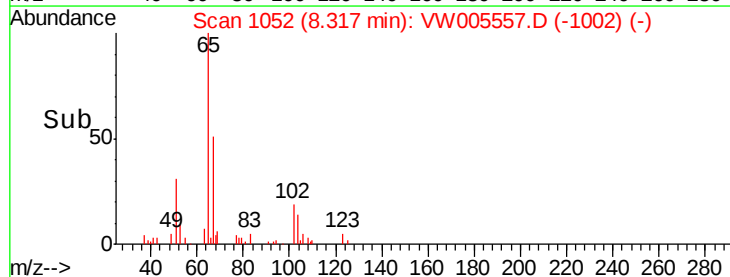
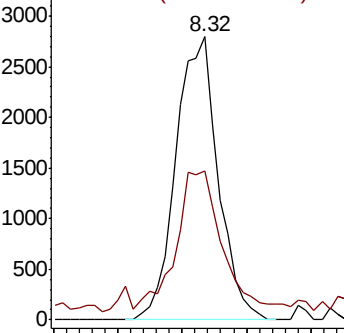
Lab File: VW005557.D

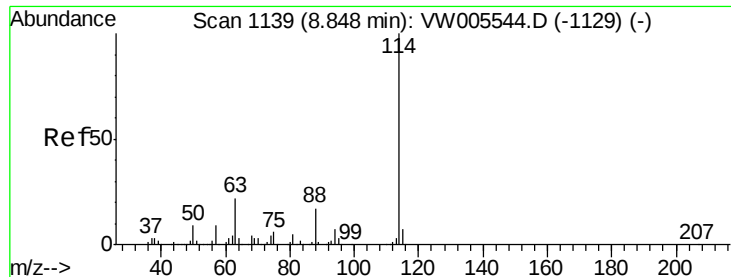
Acq: 21 Sep 2018 13:57

Tgt Ion:	65	Resp:	6314
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

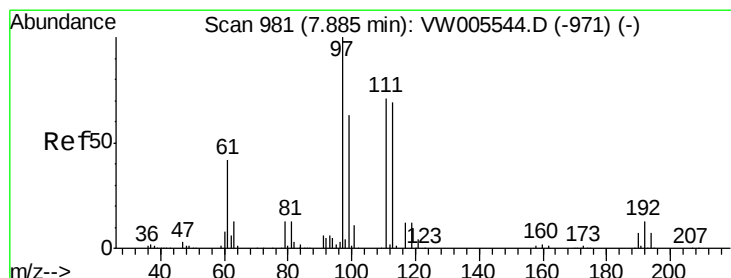
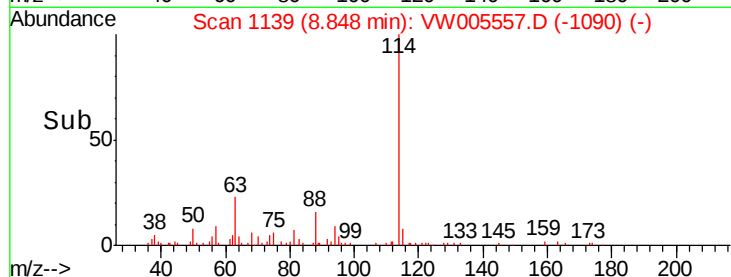
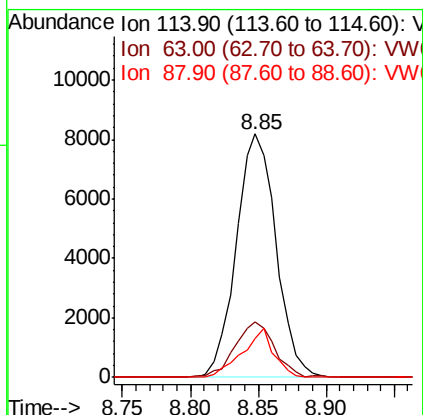
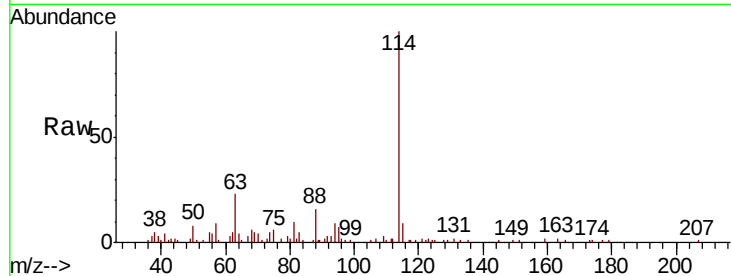




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

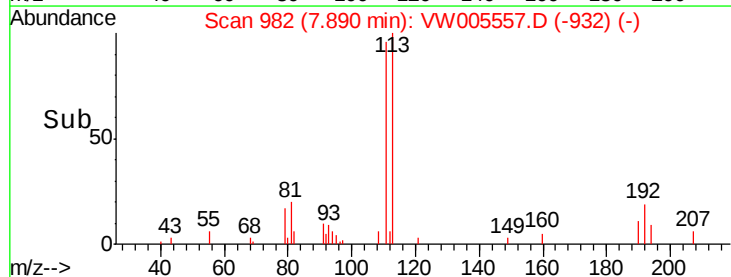
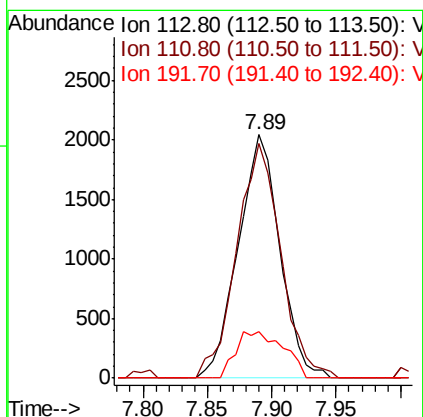
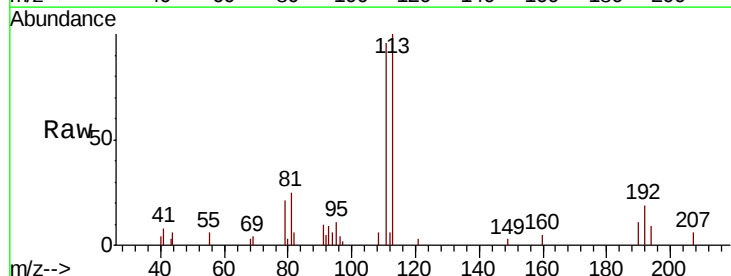
Instrument :
 MSVOA_W
 ClientSampleId :

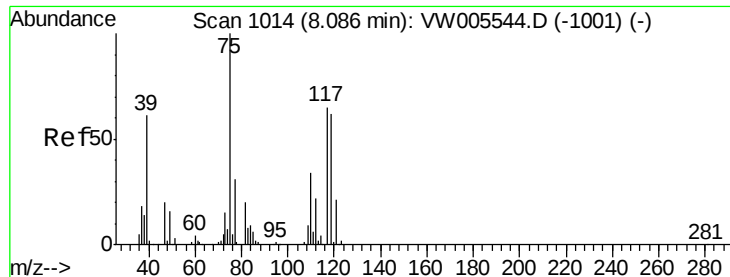
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	43.0
88	16.0	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 43.426 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	21.8	17.0	25.4





#36

1,1-Dichloropropene

Concen: 5.199 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampled :

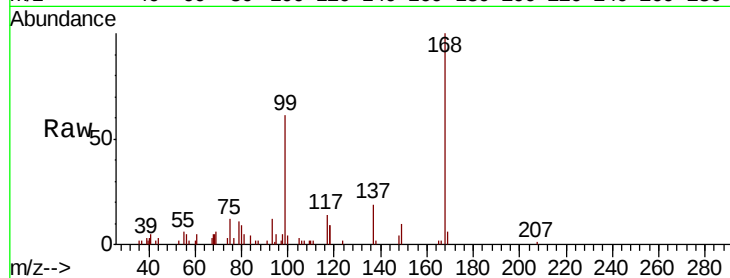
Tot Ion: 75 Resp: 875

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

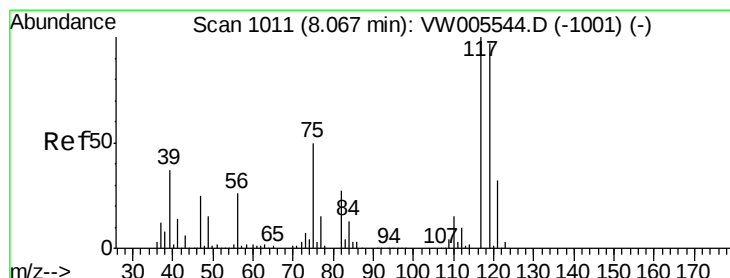
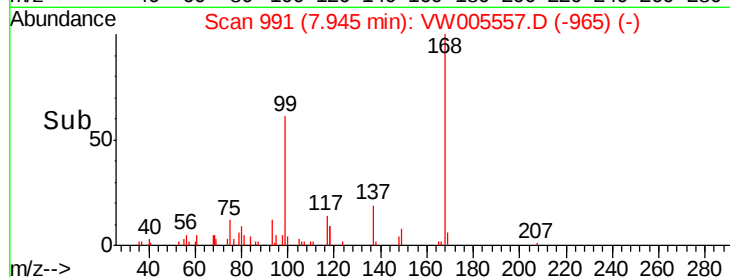
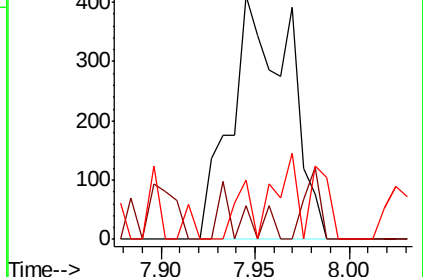
77 6.7 24.8 37.2#



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



#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

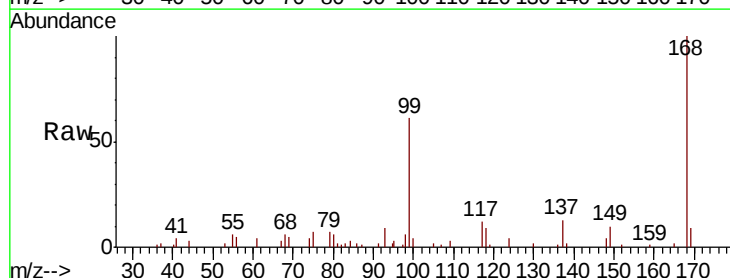
Tgt Ion: 117 Resp: 1233

Ion Ratio Lower Upper

117 100

119 12.5 77.6 116.4#

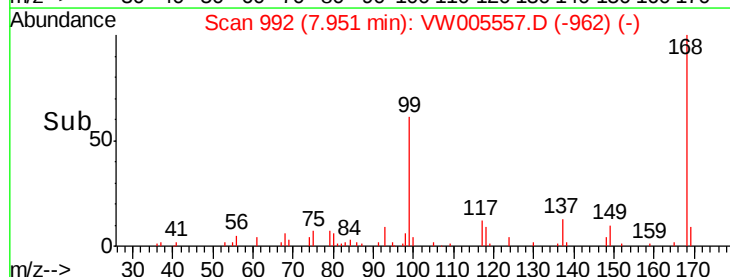
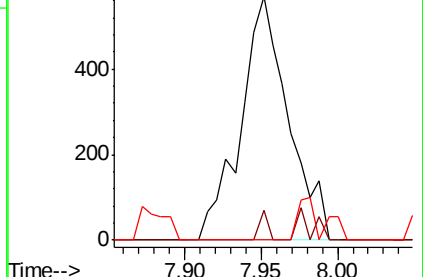
121 0.0 25.7 38.5#

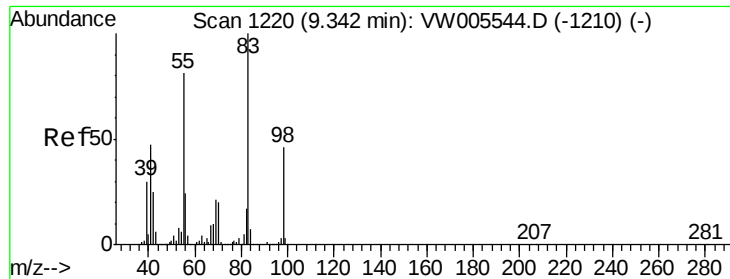


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

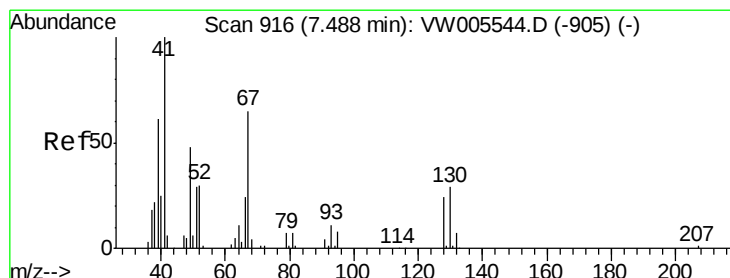
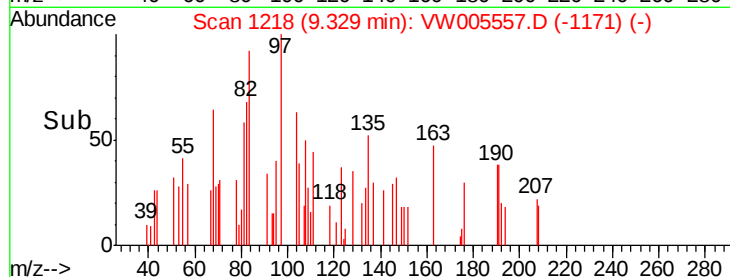
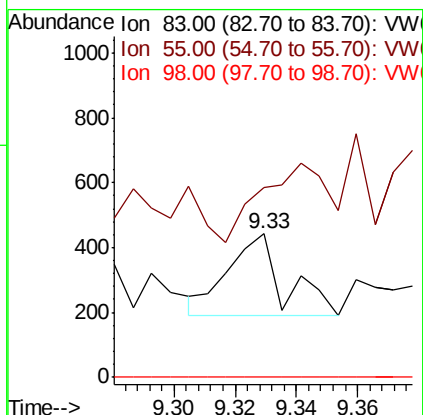
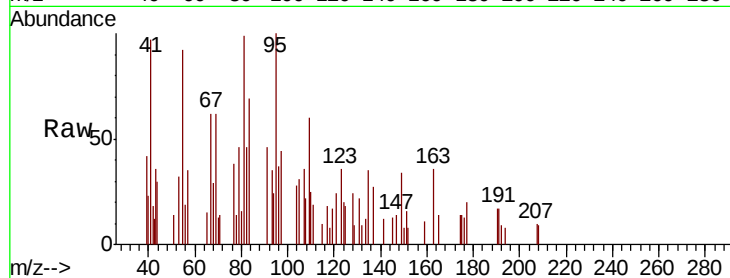




#39
Methylcyclohexane
Concen: 1.632 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

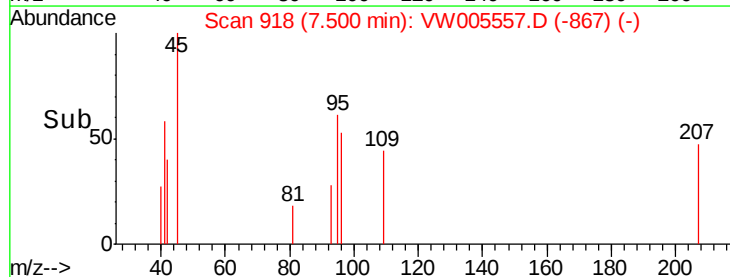
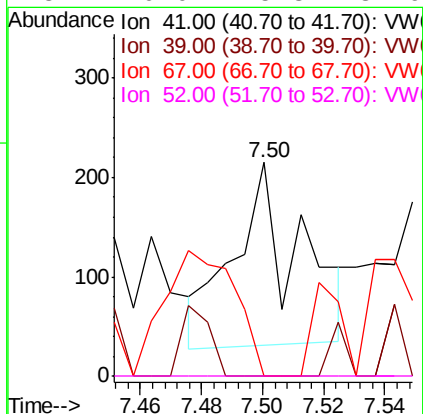
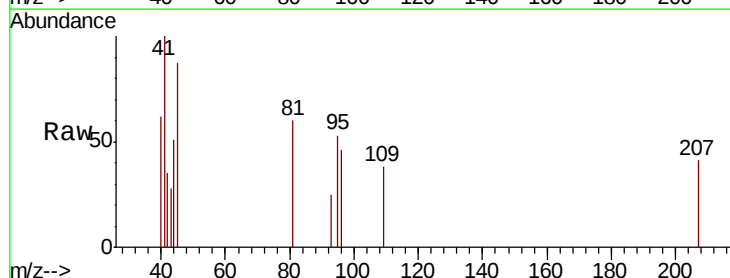
Instrument :
MSVOA_W
ClientSampled :

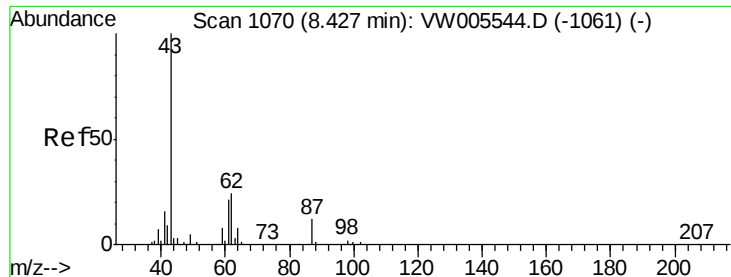
Tot Ion: 83 Resp: 324
Ion Ratio Lower Upper
83 100
55 28.9 64.6 97.0#
98 0.0 37.0 55.6#



#41
Methacrylonitrile
Concen: 6.798 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion: 41 Resp: 274
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.2#
67 0.0 55.2 82.8#
52 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 1.027 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. -0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampled :

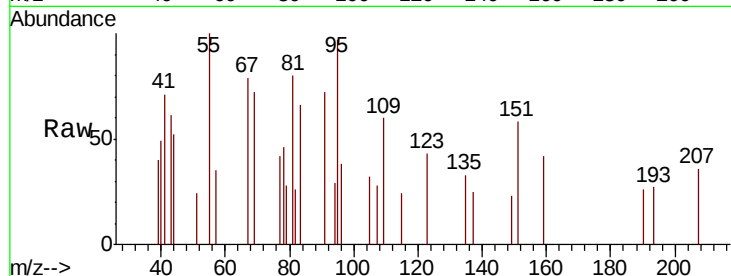
Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

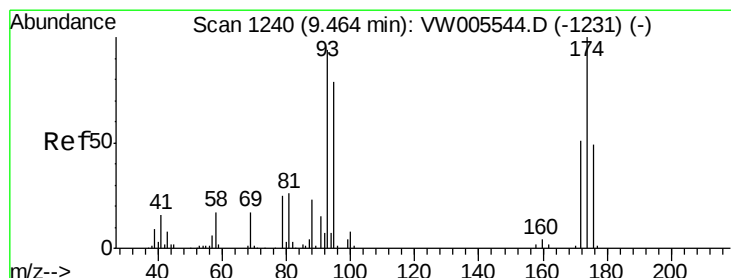
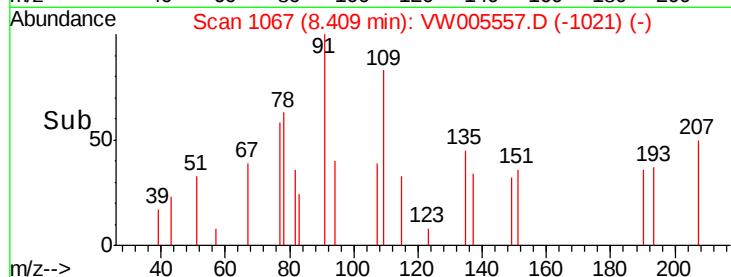
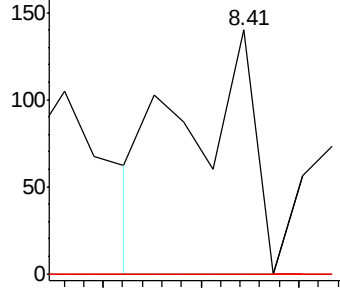
87 0.0 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#46

Dibromomethane

Concen: 4.691 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

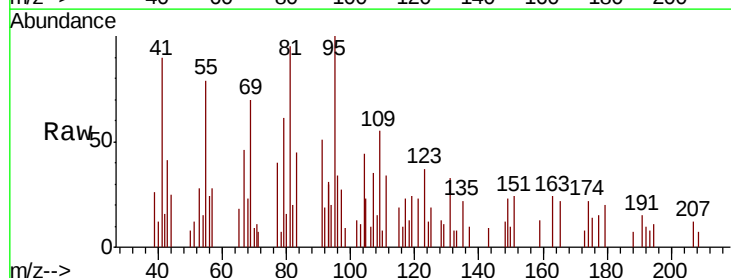
Tgt Ion: 93 Resp: 275

Ion Ratio Lower Upper

93 100

95 0.0 65.8 98.8#

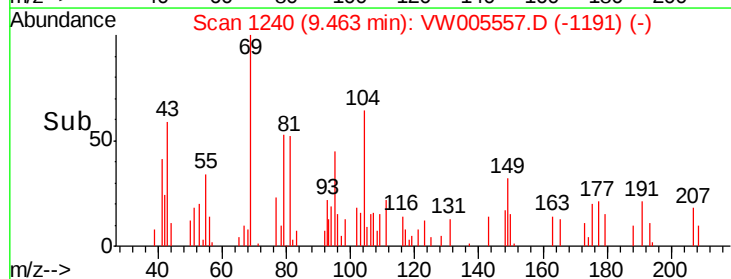
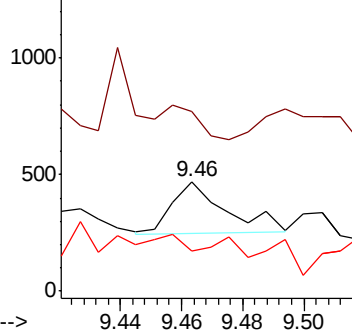
174 0.0 84.0 126.0#

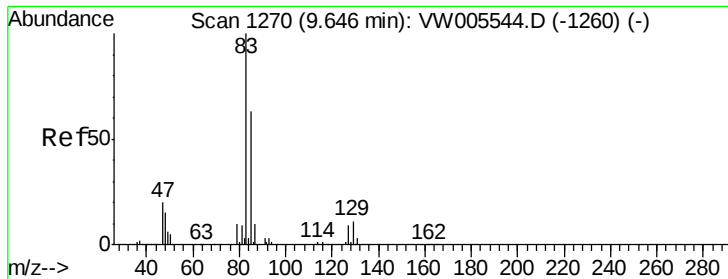


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.638 ug/l

RT: 9.66 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampled :

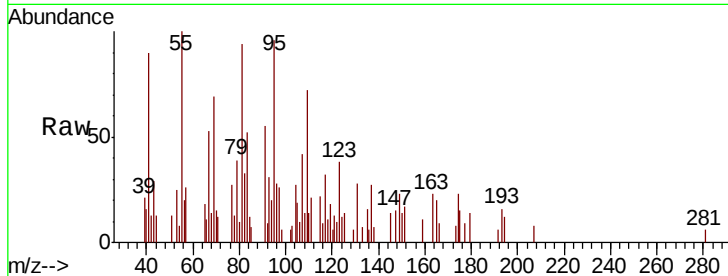
Tot Ion: 83 Resp: 258

Ion Ratio Lower Upper

83 100

85 28.6 50.5 75.7#

127 0.0 7.0 10.6#



Abundance Ion 82.90 (82.60 to 83.60): VW

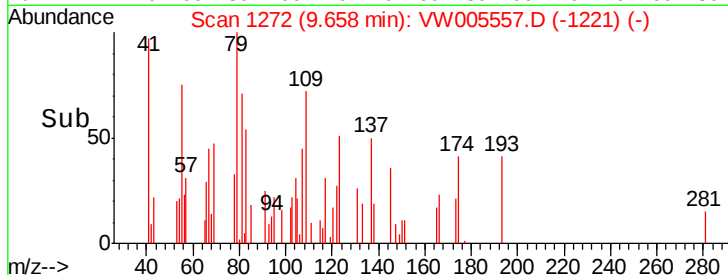
Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW

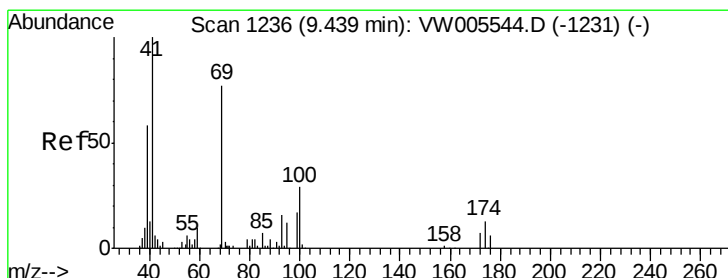
9.66

9.66

9.68



Time-->



#48

Methyl methacrylate

Concen: 6.970 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

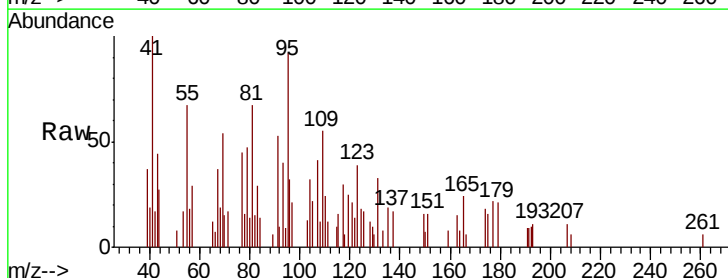
Tgt Ion: 41 Resp: 461

Ion Ratio Lower Upper

41 100

69 58.6 64.7 97.1#

39 29.5 50.5 75.7#



Abundance Ion 41.00 (40.70 to 41.70): VW

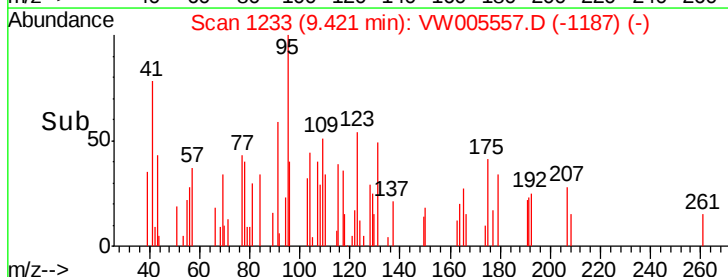
Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

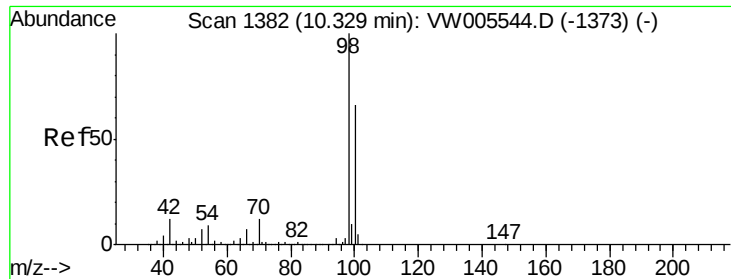
9.42

9.42

9.44



Time-->



#50

Toluene-d8

Concen: 40.270 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

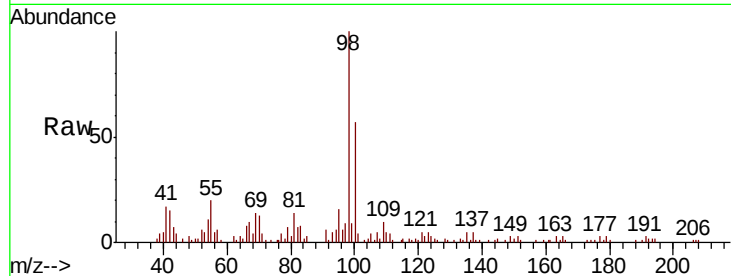
ClientSampled :

Tot Ion: 98 Resp: 17241

Ion Ratio Lower Upper

98 100

100 60.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

10000

8000

6000

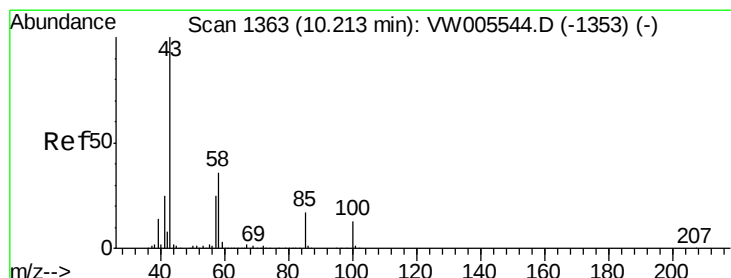
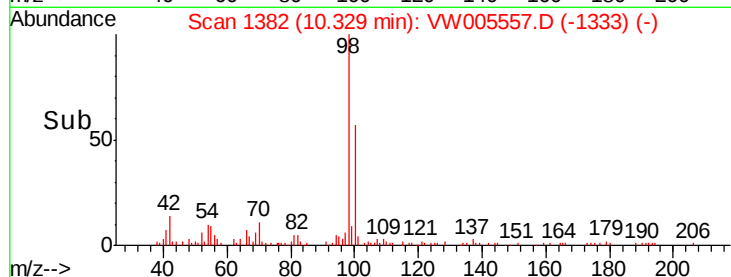
4000

2000

0

Time-->

10.25 10.30 10.35 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.996 ug/l

RT: 10.19 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VW005557.D

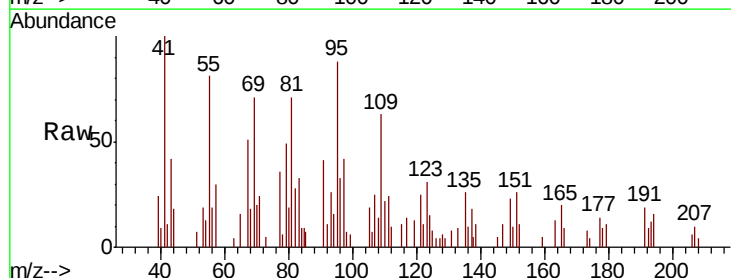
Acq: 21 Sep 2018 13:57

Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.19

600

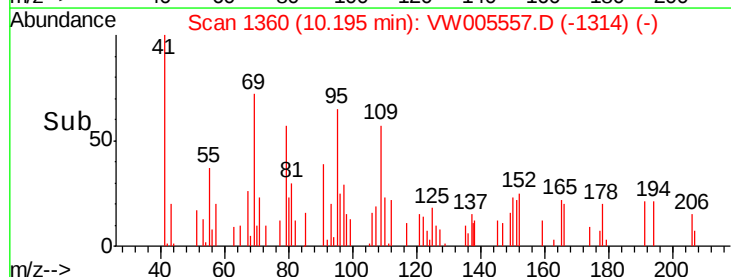
400

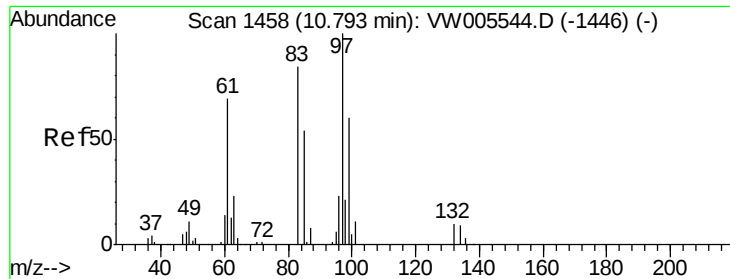
200

0

Time-->

10.18 10.20

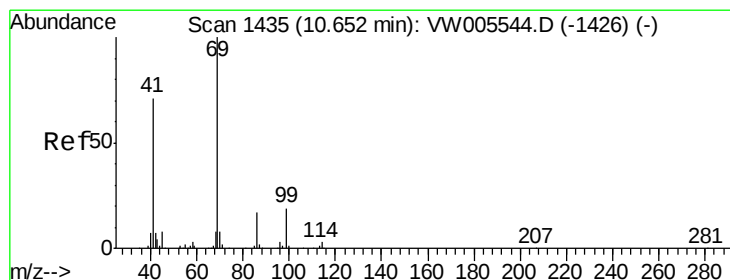
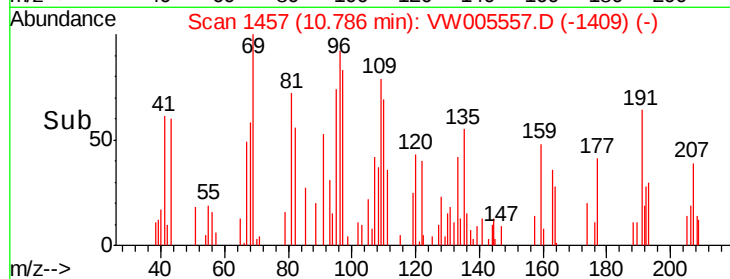
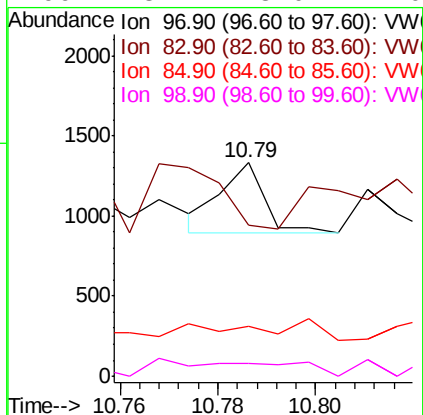
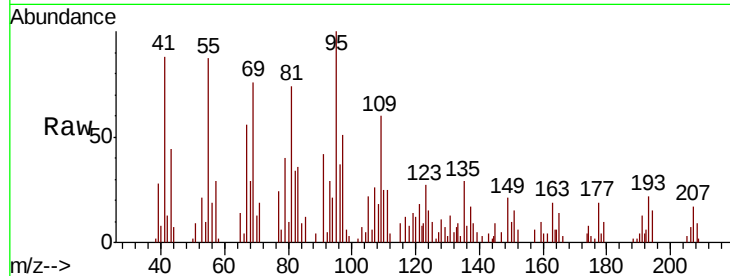




#55
 1,1,2-Trichloroethane
 Concen: 3.329 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

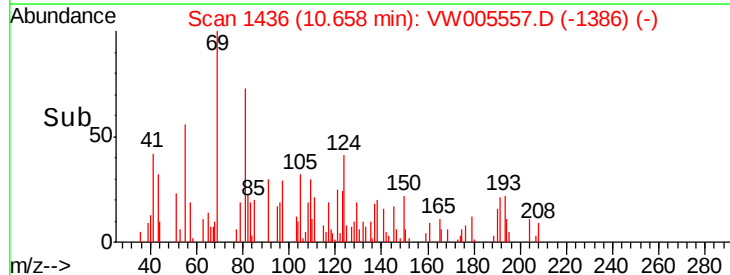
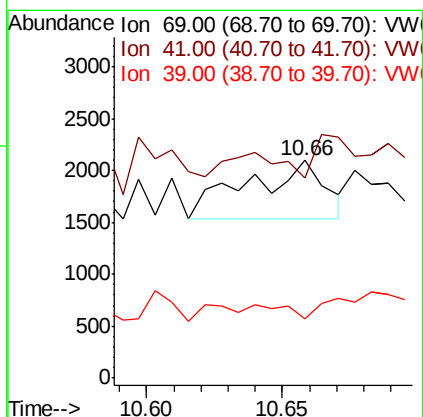
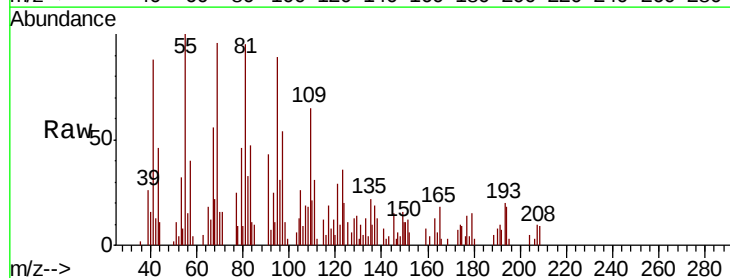
Instrument :
 MSVOA_W
 ClientSampled :

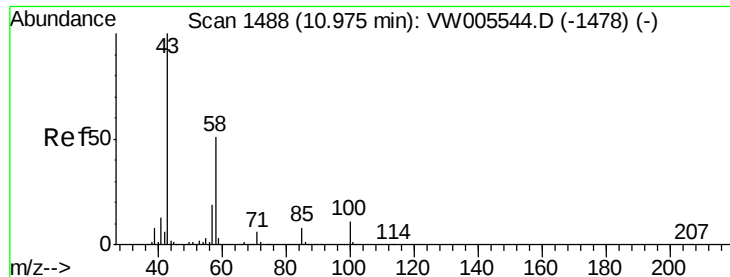
Tot Ion: 97 Resp: 277
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.2#
 85 21.5 43.3 64.9#
 99 18.1 48.0 72.0#



#56
 Ethyl methacrylate
 Concen: 11.049 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

Tgt Ion: 69 Resp: 1135
 Ion Ratio Lower Upper
 69 100
 41 40.4 57.3 85.9#
 39 0.0 29.2 43.8#

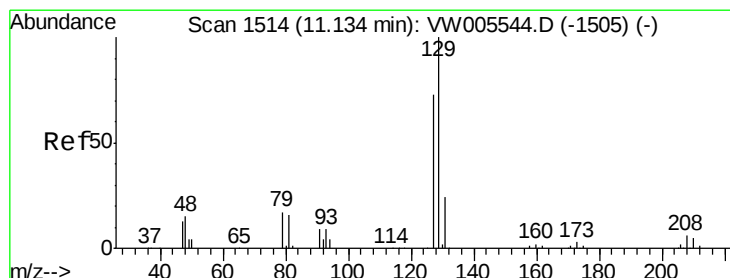
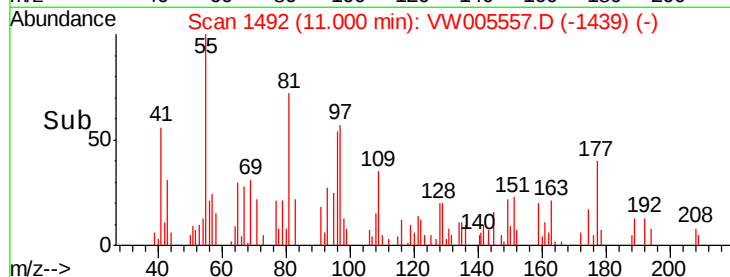
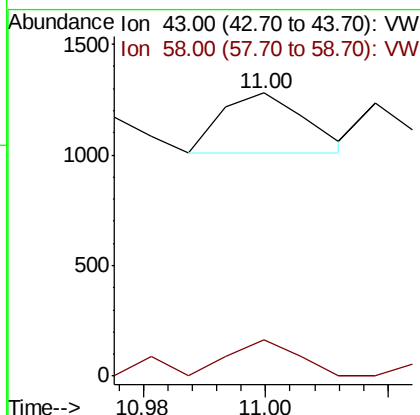
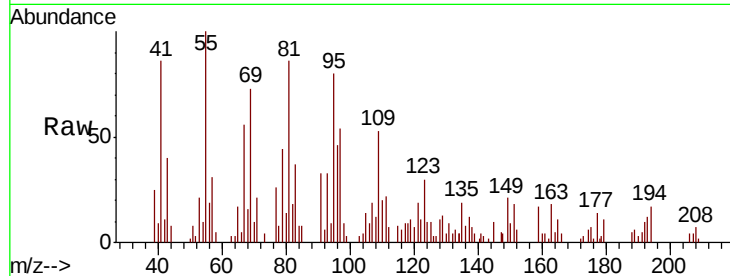




#59
2-Hexanone
Concen: 5.289 ug/l
RT: 11.00 min Scan# 1492
Delta R.T. 0.02 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

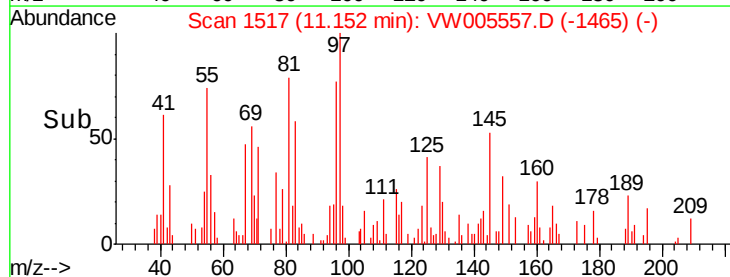
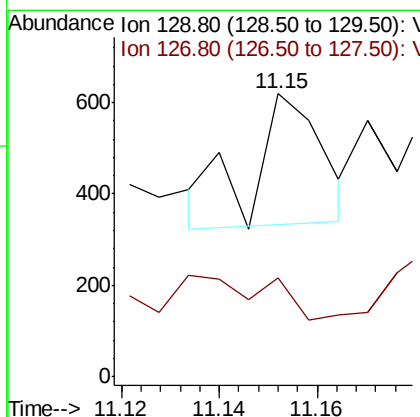
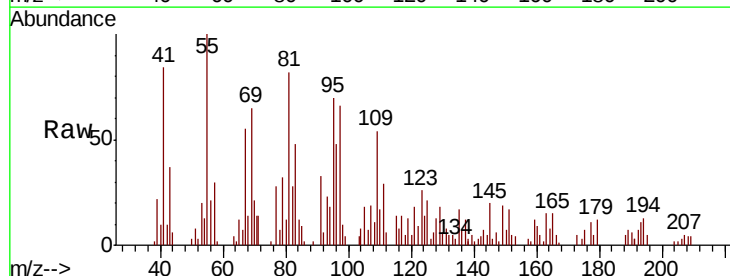
Instrument :
MSVOA_W
ClientSampleId :

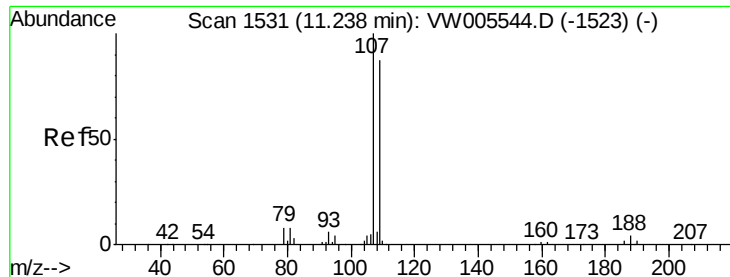
Tot Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
58 63.9 25.3 75.9



#60
Dibromochloromethane
Concen: 2.785 ug/l
RT: 11.15 min Scan# 1517
Delta R.T. 0.02 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion: 129 Resp: 280
Ion Ratio Lower Upper
129 100
127 64.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.640 ug/l

RT: 11.04 min Scan# 1498

Delta R.T. -0.20 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

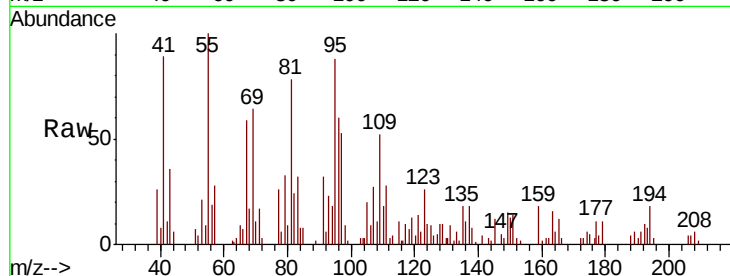
ClientSampleId :

Tot Ion:107 Resp: 360

Ion Ratio Lower Upper

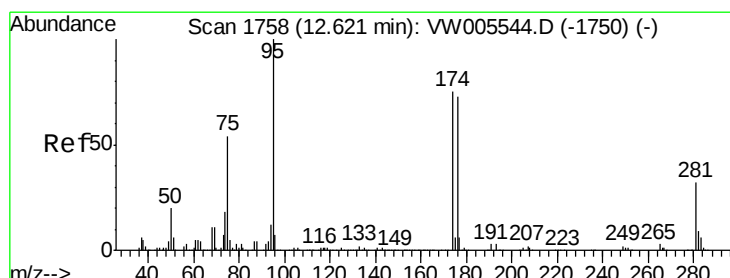
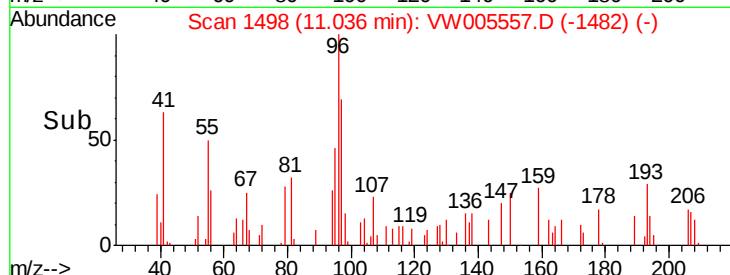
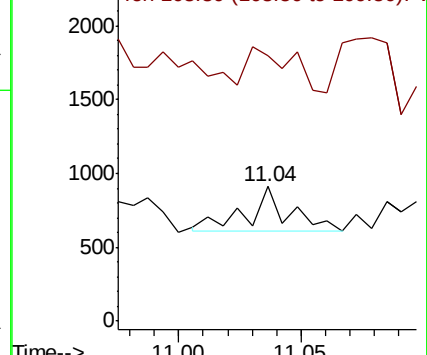
107 100

109 101.7 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 39.137 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

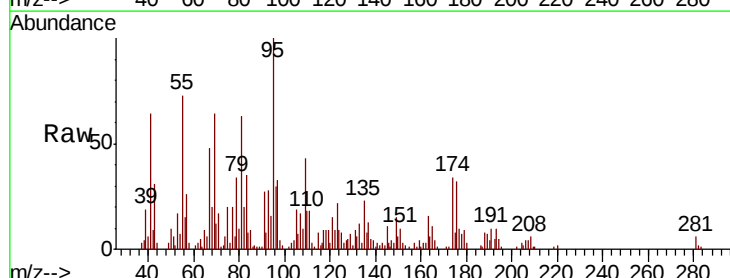
Tgt Ion: 95 Resp: 6200

Ion Ratio Lower Upper

95 100

174 76.7 0.0 163.8

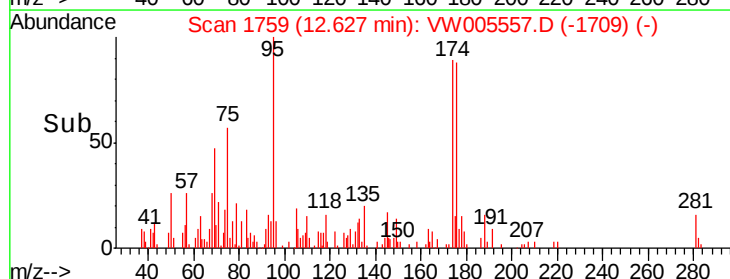
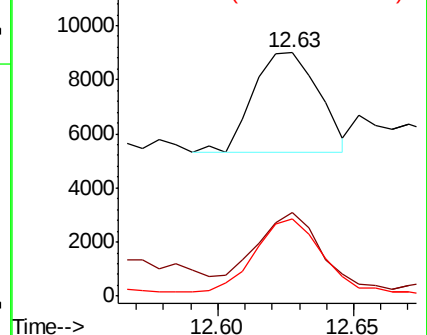
176 75.5 0.0 158.0

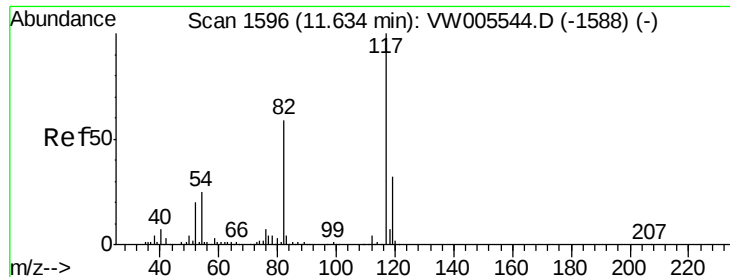


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

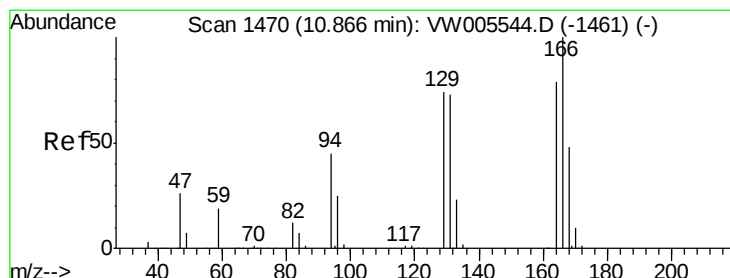
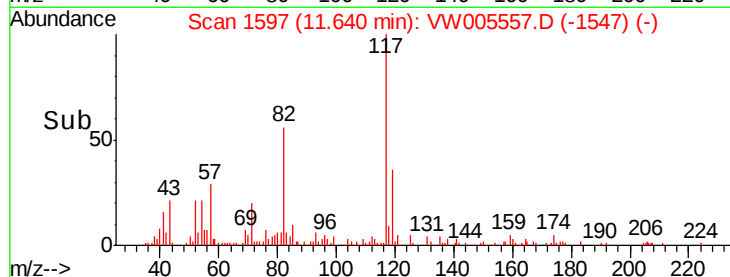
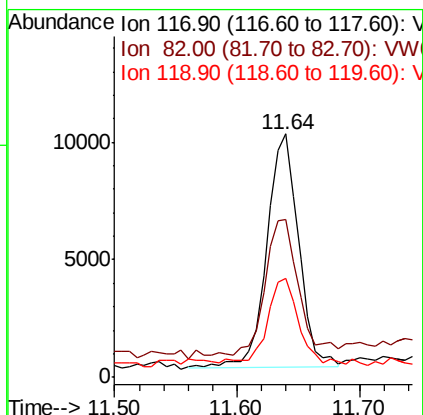
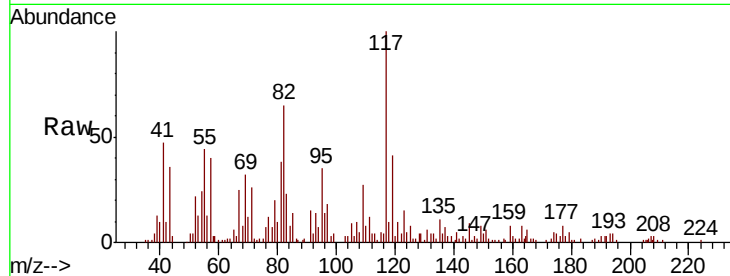




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

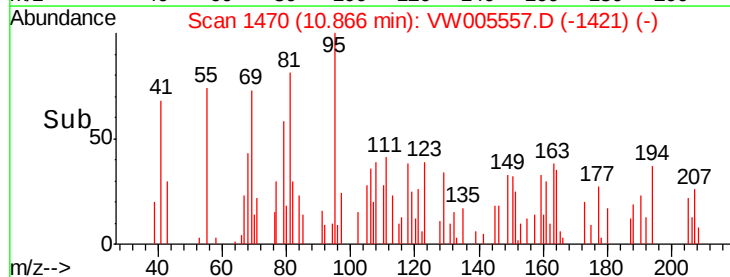
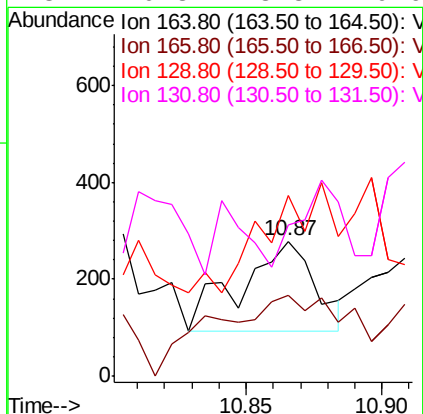
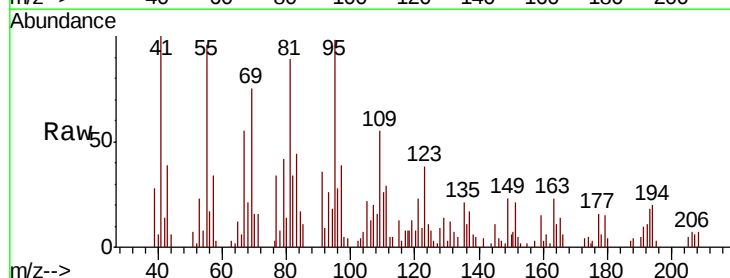
Instrument :
MSVOA_W
ClientSampled :

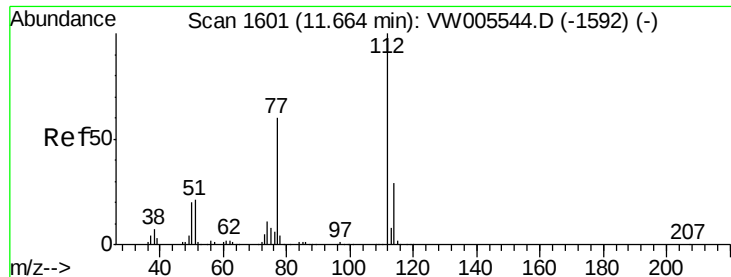
Tot Ion:117 Resp: 17977
Ion Ratio Lower Upper
117 100
82 59.6 46.9 70.3
119 35.8 25.7 38.5



#64
Tetrachloroethene
Concen: 2.767 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion:164 Resp: 353
Ion Ratio Lower Upper
164 100
166 41.1 101.1 151.7#
129 109.7 74.4 111.6
131 10.3 73.8 110.6#





#65

Chlorobenzene

Concen: 1.061 ug/l

RT: 11.69 min Scan# 1606

Delta R.T. 0.03 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

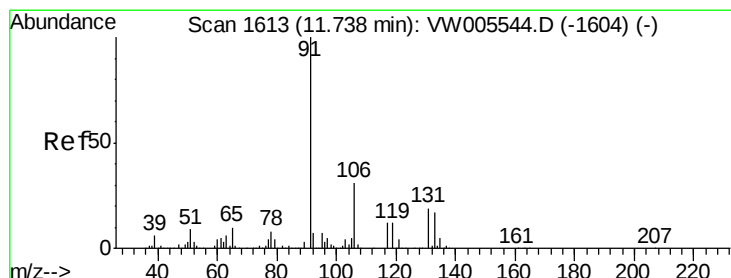
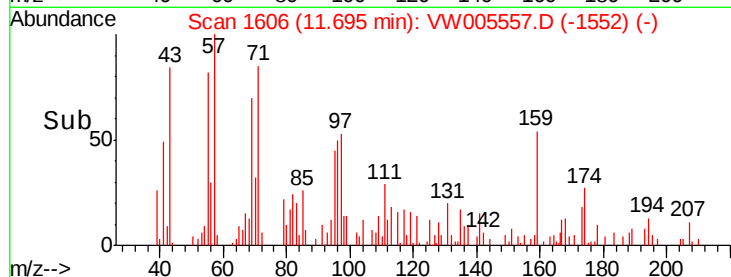
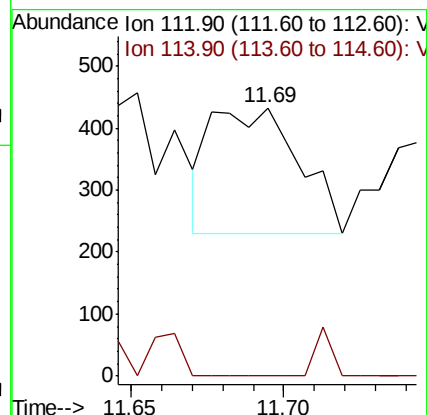
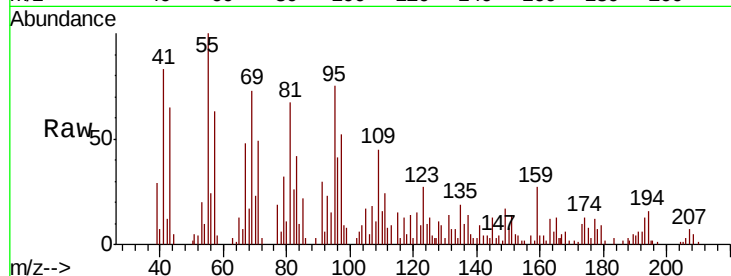
ClientSampled :

Tot Ion:112 Resp: 405

Ion Ratio Lower Upper

112 100

114 0.0 22.9 34.3#



#66

1,1,1,2-Tetrachloroethane

Concen: 3.669 ug/l

RT: 11.76 min Scan# 1616

Delta R.T. 0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

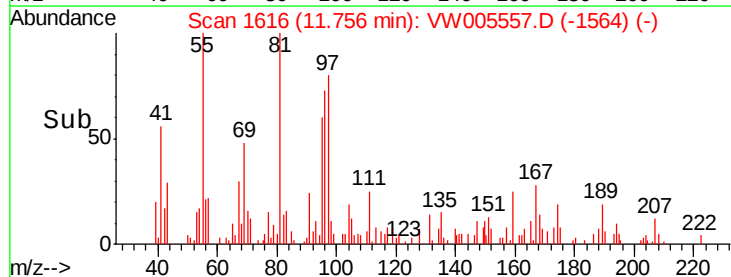
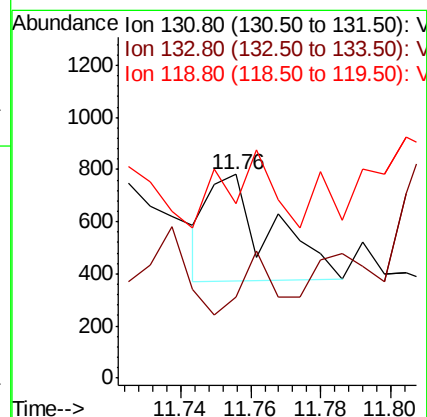
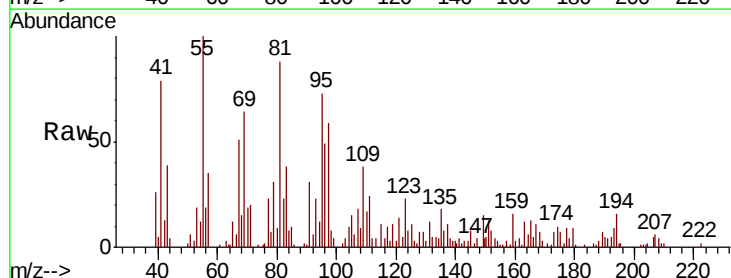
Tgt Ion:131 Resp: 504

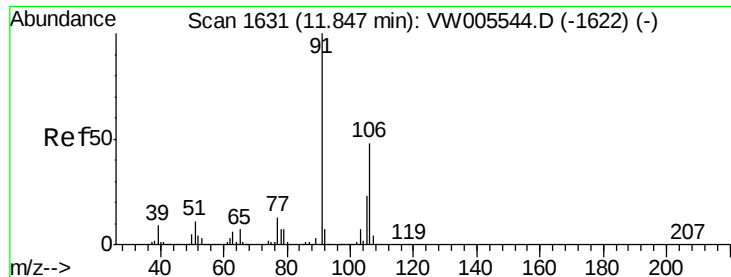
Ion Ratio Lower Upper

131 100

133 27.4 47.2 141.6#

119 100.8 31.1 93.2#

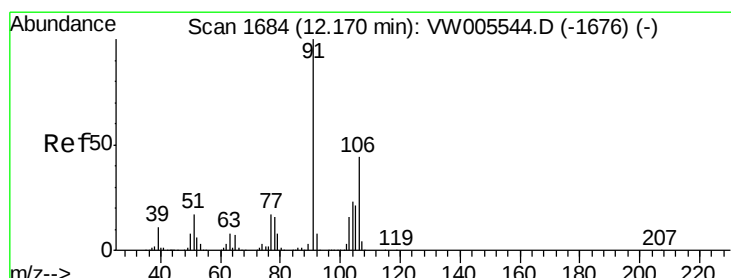
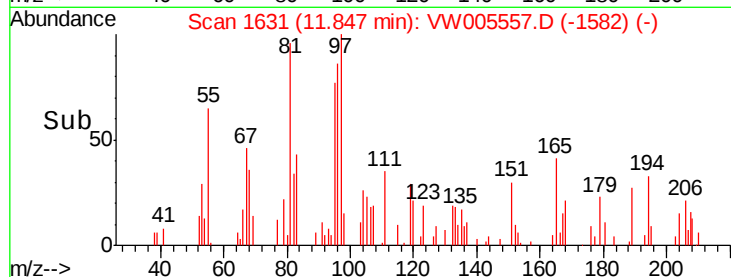
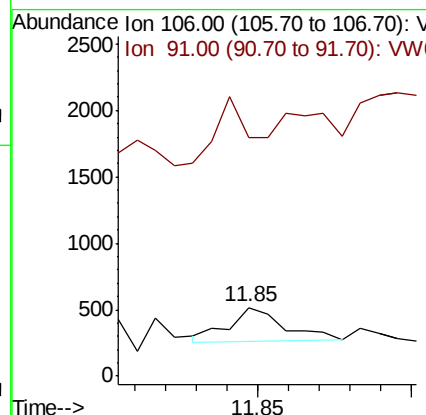
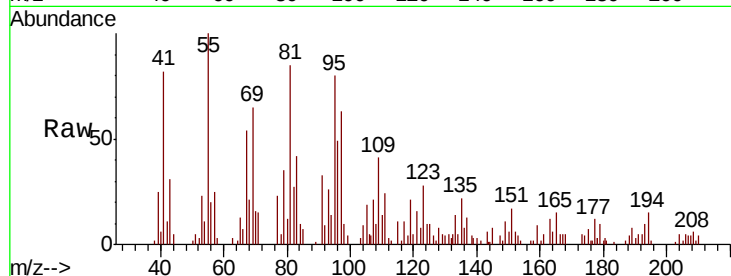




#68
m/p-Xylenes
Concen: 1.239 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

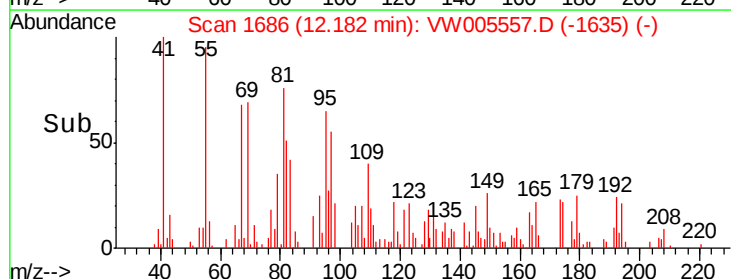
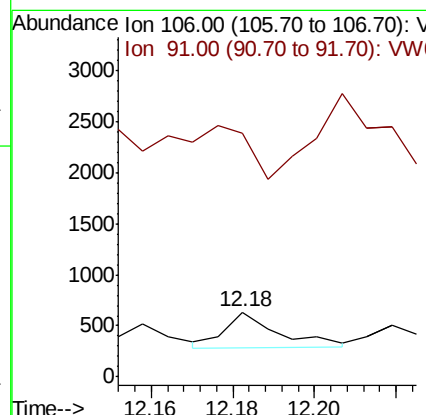
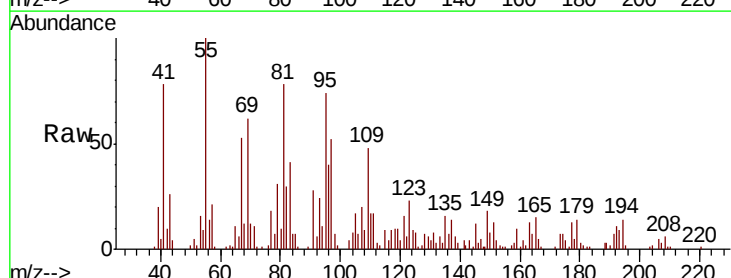
Instrument :
MSVOA_W
ClientSampled :

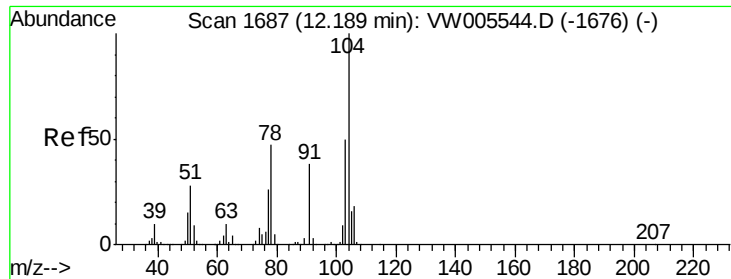
Tot Ion:106 Resp: 317
Ion Ratio Lower Upper
106 100
91 131.9 167.8 251.8#



#69
o-Xylene
Concen: 1.343 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion:106 Resp: 322
Ion Ratio Lower Upper
106 100
91 309.3 111.0 333.0

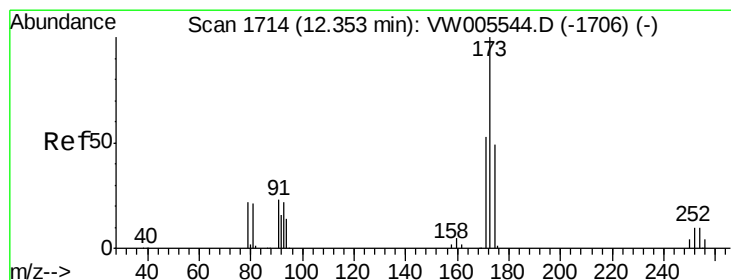
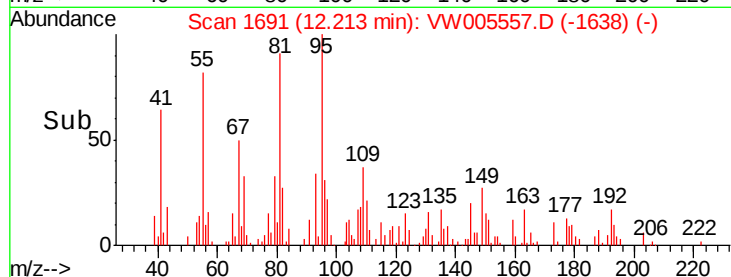
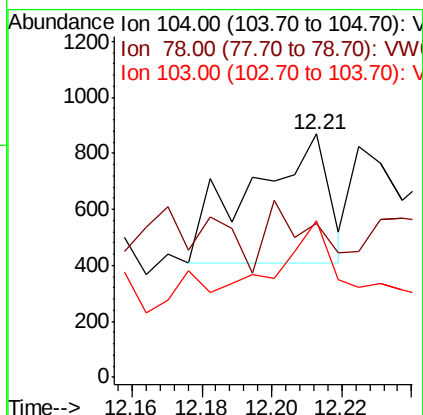
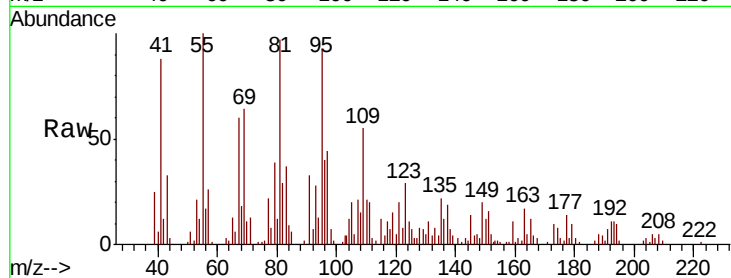




#70
Stvrene
Concen: 1.765 ug/l
RT: 12.21 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

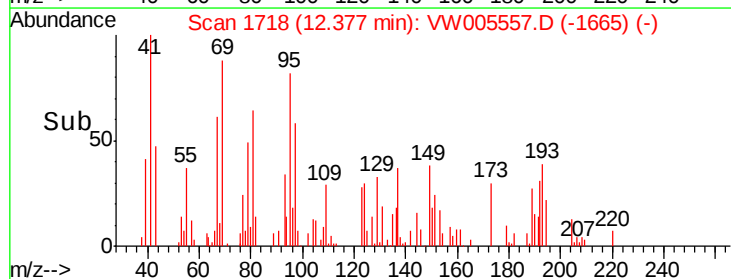
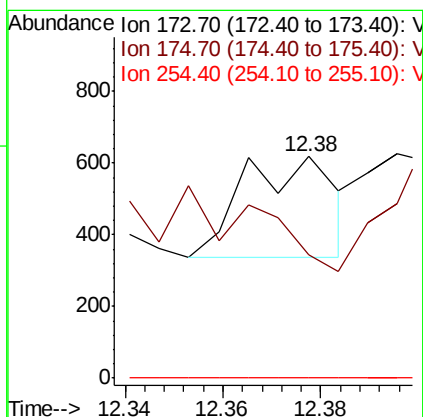
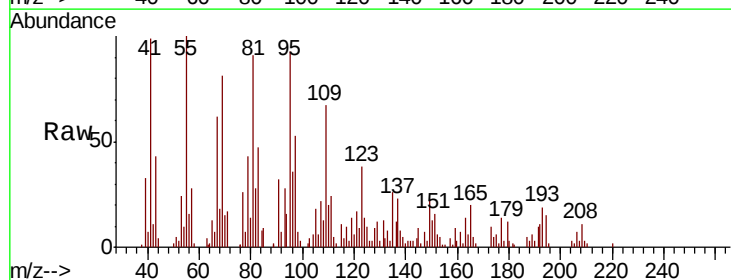
Instrument :
MSVOA_W
ClientSampled :

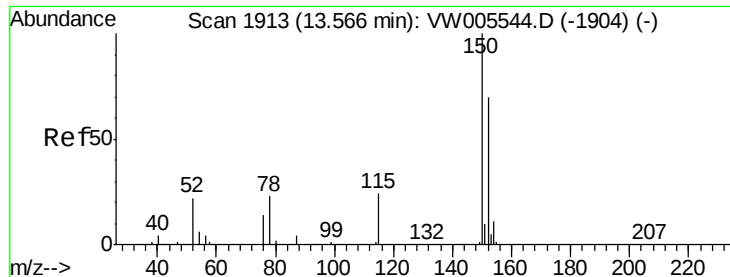
Tot Ion:104 Resp: 712
Ion Ratio Lower Upper
104 100
78 32.6 42.2 63.4#
103 96.6 44.6 66.8#



#71
Bromoform
Concen: 4.979 ug/l
RT: 12.38 min Scan# 1718
Delta R.T. 0.02 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion:173 Resp: 363
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampleId :

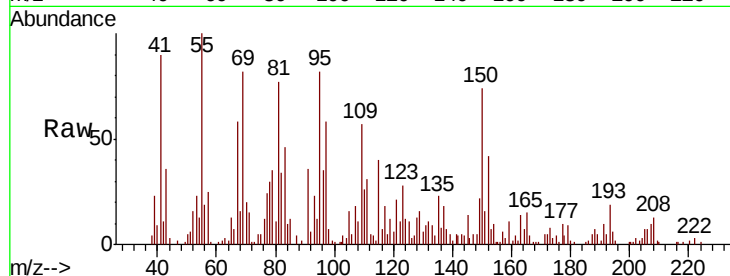
Tot Ion:152 Resp: 7291

Ion Ratio Lower Upper

152 100

115 98.3 30.0 90.0#

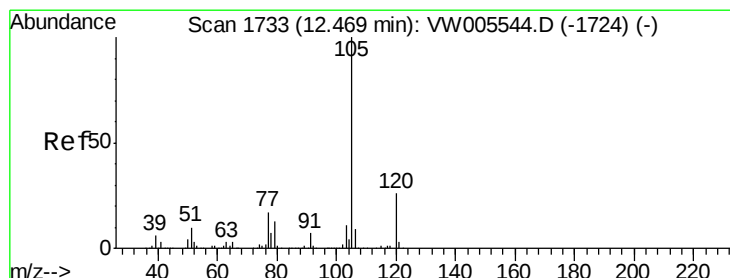
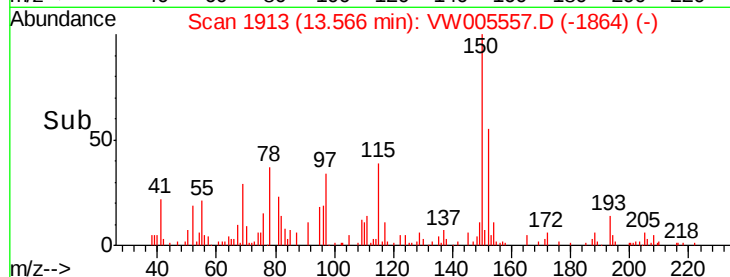
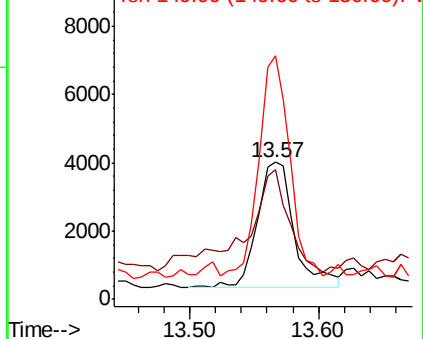
150 144.9 0.0 348.6



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



#73

Isopropylbenzene

Concen: 1.072 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. 0.21 min

Lab File: VW005557.D

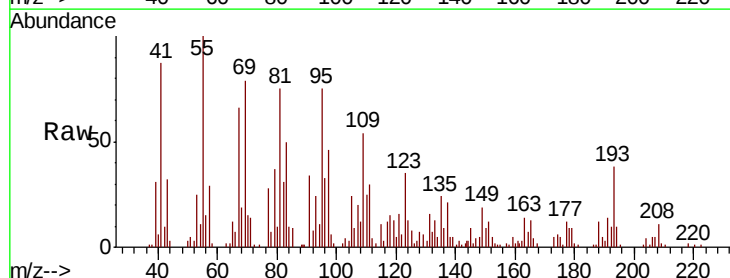
Acq: 21 Sep 2018 13:57

Tgt Ion:105 Resp: 542

Ion Ratio Lower Upper

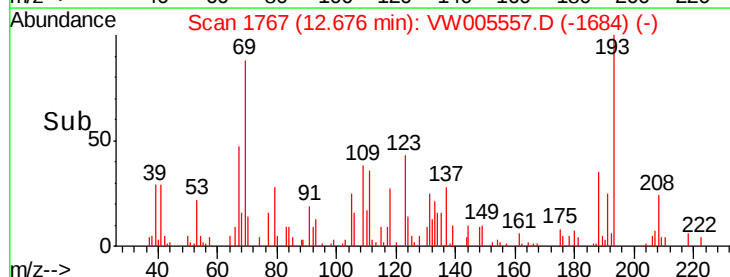
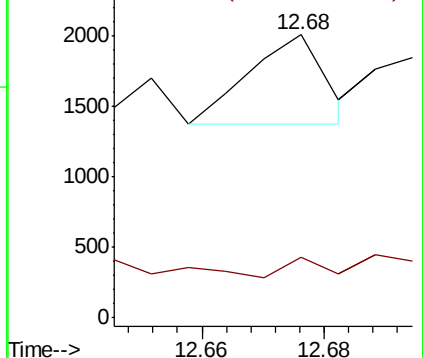
105 100

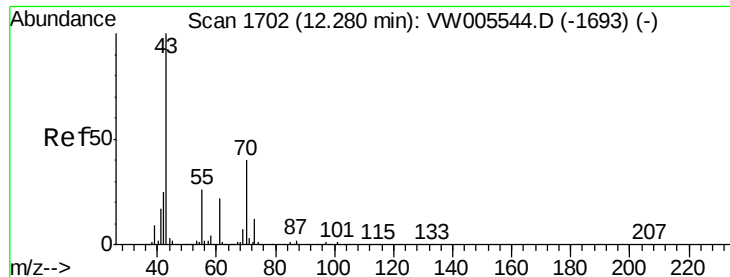
120 38.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.271 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 260

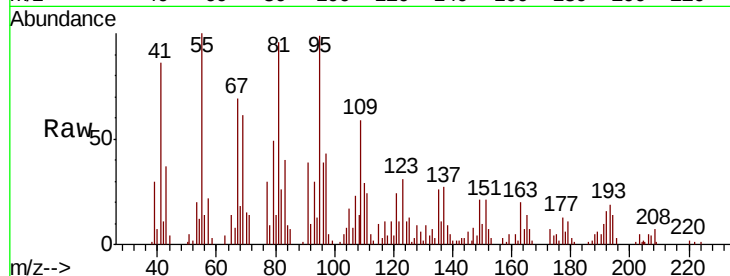
Ion Ratio Lower Upper

43 100

70 103.1 31.4 47.0#

55 0.0 20.9 31.3#

61 0.0 17.8 26.6#



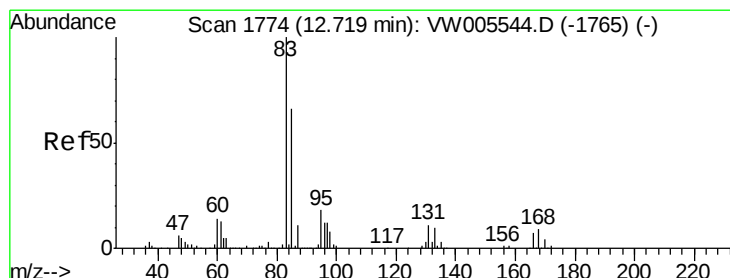
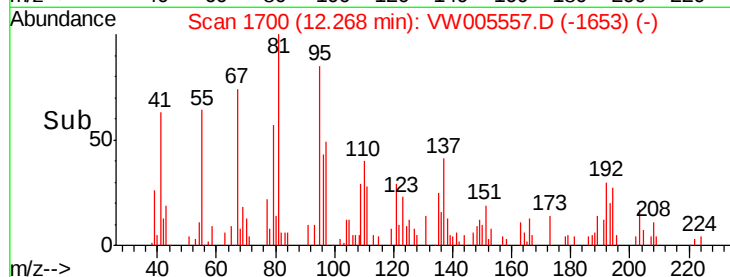
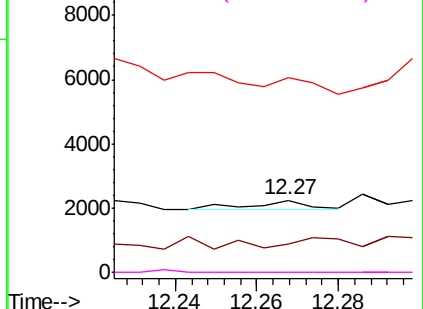
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 117.452 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

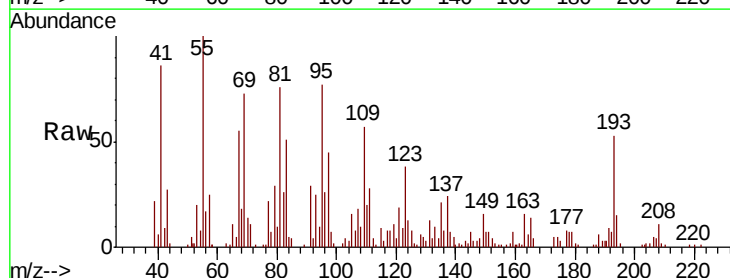
Tgt Ion: 83 Resp: 9864

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 0.0 32.4 97.0#

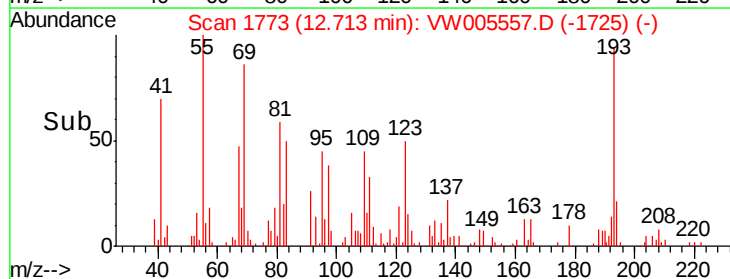
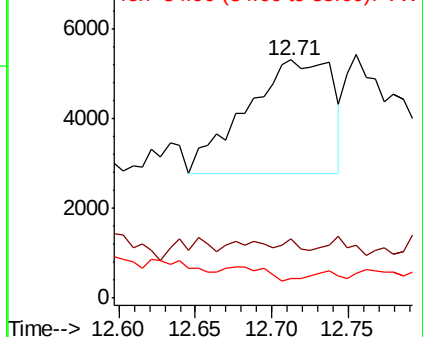


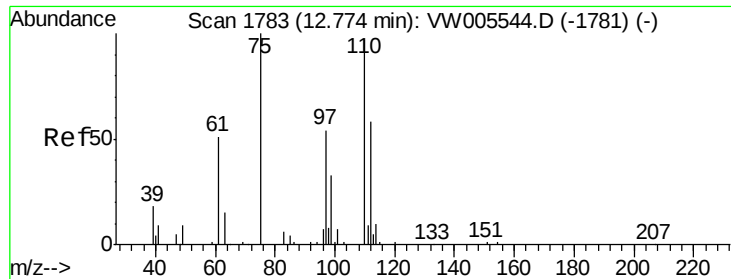
Abundance

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: 3.282 ug/l

RT: 12.85 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

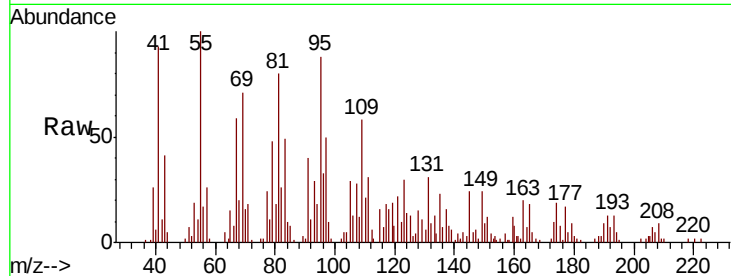
ClientSampled :

Tot Ion: 75 Resp: 204

Ion Ratio Lower Upper

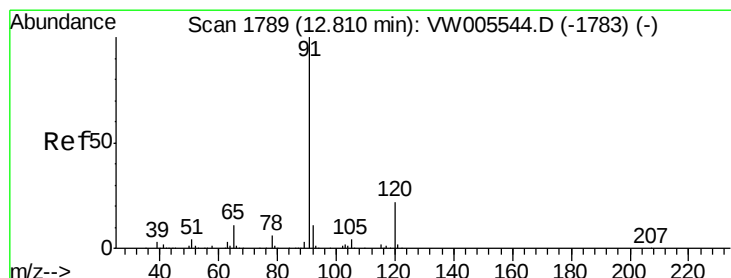
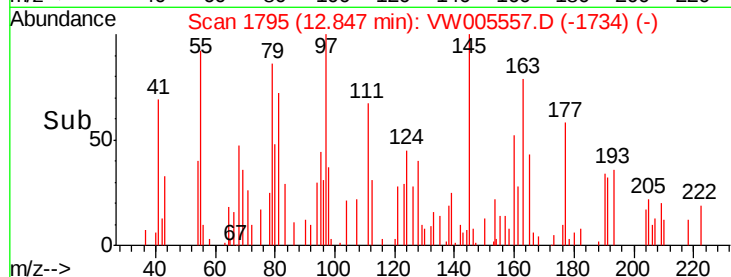
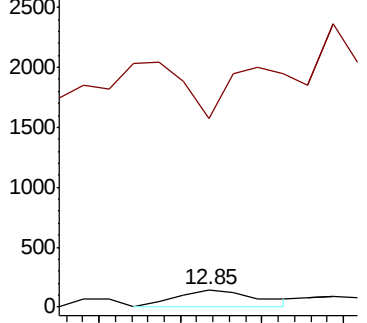
75 100

77 223.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 2.026 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.06 min

Lab File: VW005557.D

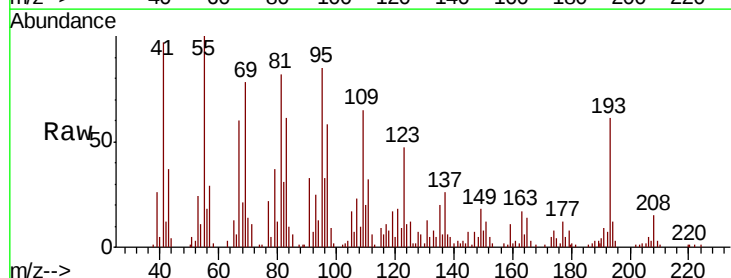
Acq: 21 Sep 2018 13:57

Tgt Ion: 91 Resp: 1240

Ion Ratio Lower Upper

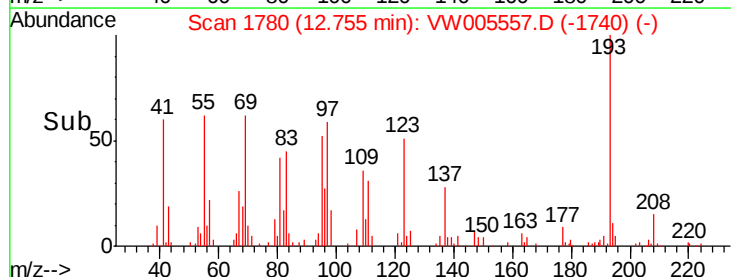
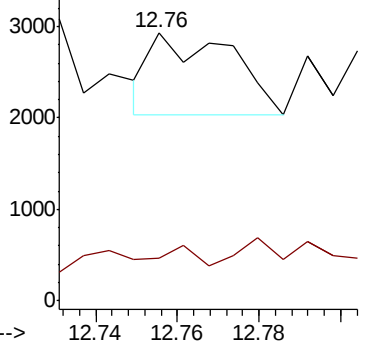
91 100

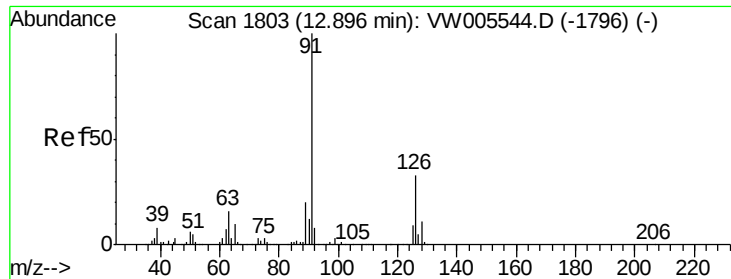
120 21.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

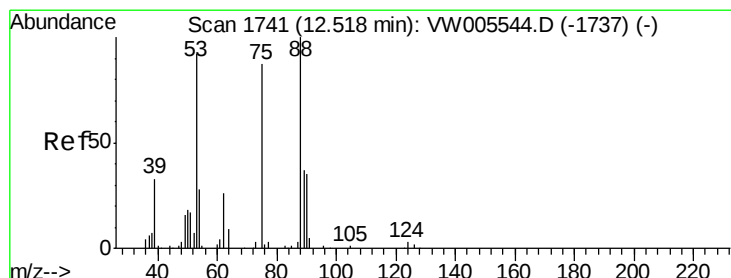
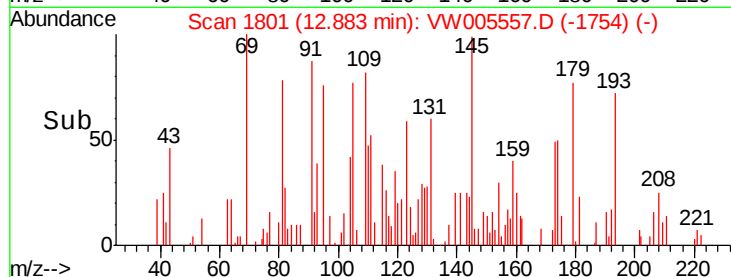
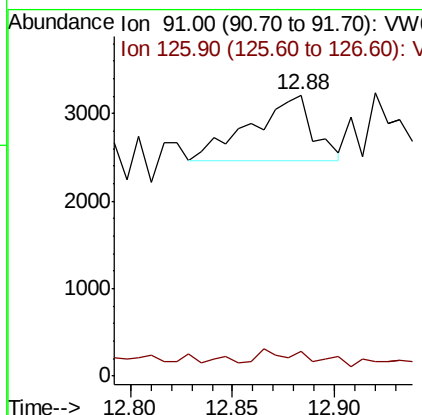
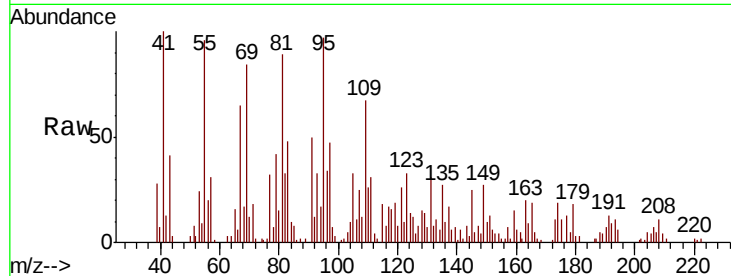




#79
2-Chlorotoluene
Concen: 4.495 ug/l
RT: 12.88 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

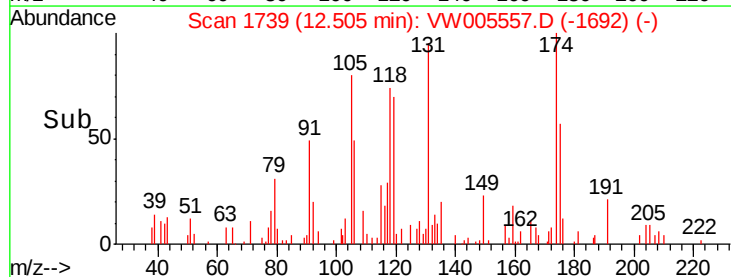
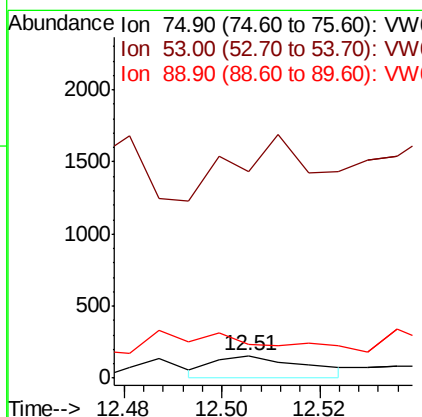
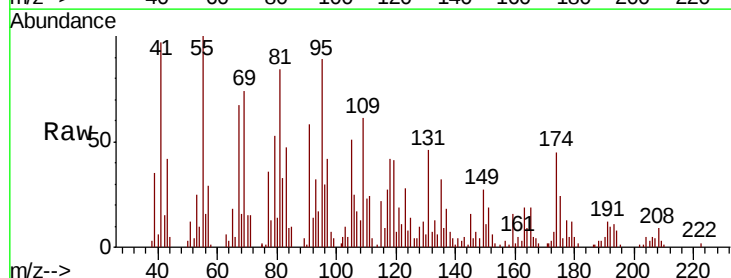
Instrument :
MSVOA_W
ClientSampled :

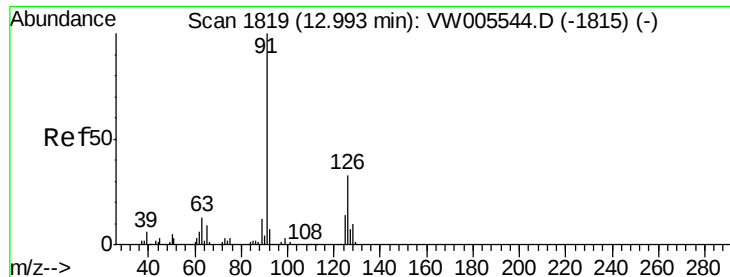
Tot Ion: 91 Resp: 1592
Ion Ratio Lower Upper
91 100
126 20.4 16.4 49.1



#81
trans-1,4-Dichloro-2-butene
Concen: 7.248 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW005557.D
Acq: 21 Sep 2018 13:57

Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
53 254.0 85.8 128.6#
89 0.0 37.3 55.9#





#82

4-Chlorotoluene

Concen: 2.737 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. 0.11 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

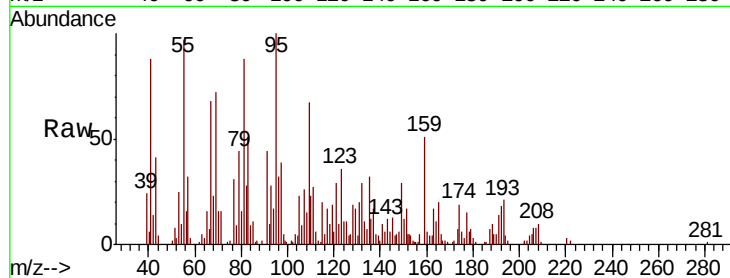
ClientSampled :

Tot Ion: 91 Resp: 1024

Ion Ratio Lower Upper

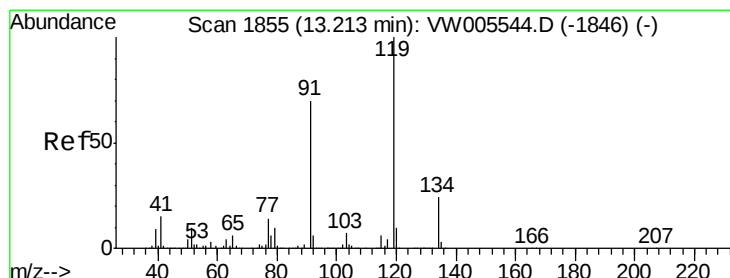
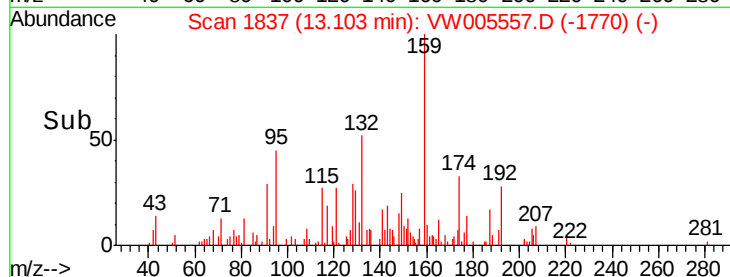
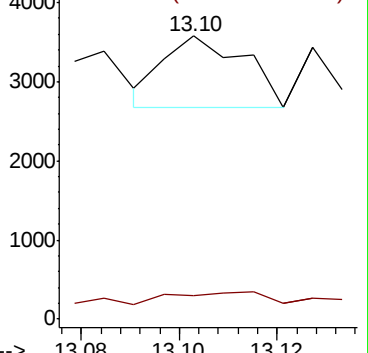
91 100

126 27.1 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 6.796 ug/l

RT: 13.01 min Scan# 1822

Delta R.T. -0.20 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

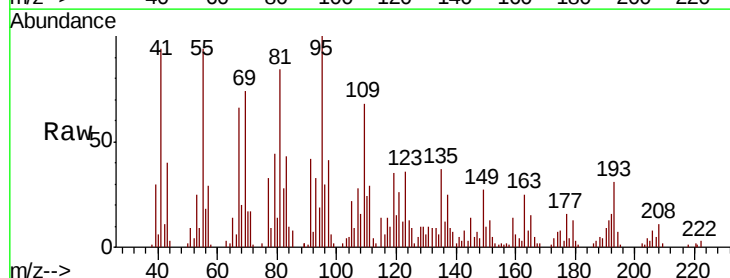
Tgt Ion: 119 Resp: 2510

Ion Ratio Lower Upper

119 100

91 53.7 34.6 103.8

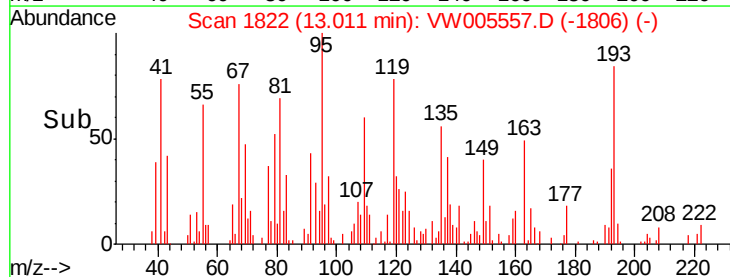
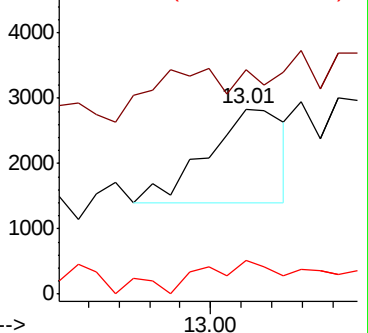
134 32.6 12.6 37.6

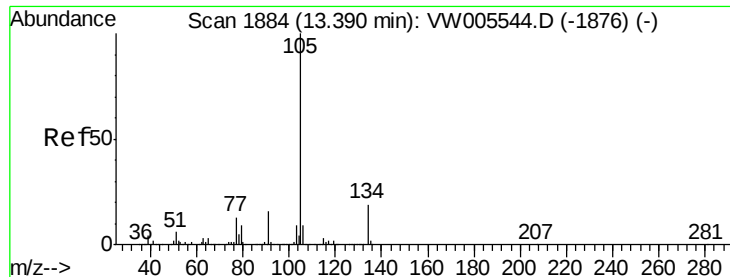


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 1.449 ug/l

RT: 13.37 min Scan# 1881

Delta R.T. -0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

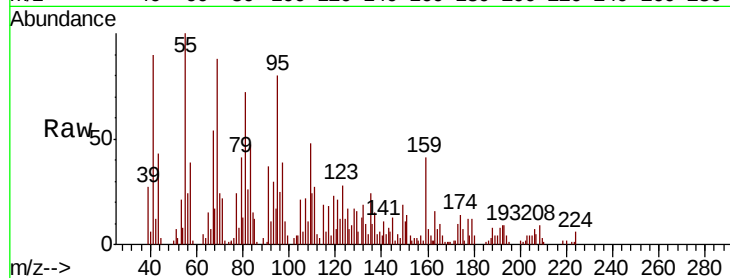
ClientSampled :

Tot Ion:105 Resp: 776

Ion Ratio Lower Upper

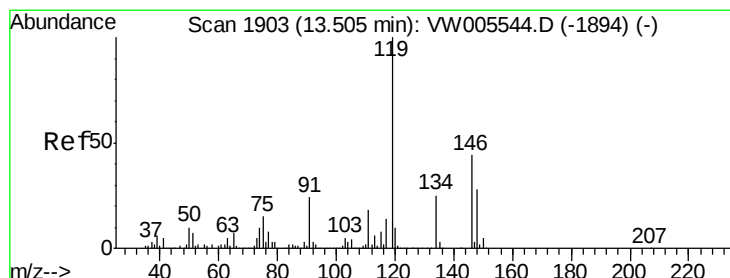
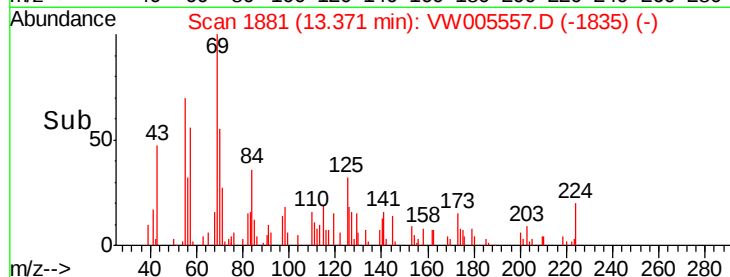
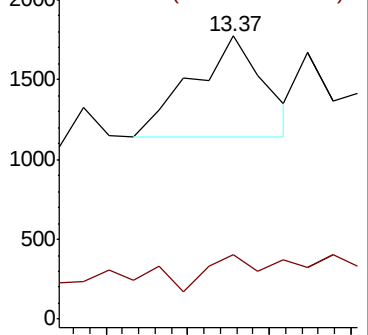
105 100

134 25.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 3.037 ug/l

RT: 13.51 min Scan# 1904

Delta R.T. 0.01 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

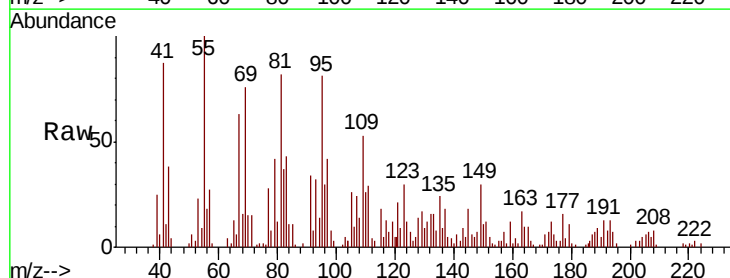
Tgt Ion:146 Resp: 736

Ion Ratio Lower Upper

146 100

111 75.7 20.3 60.9#

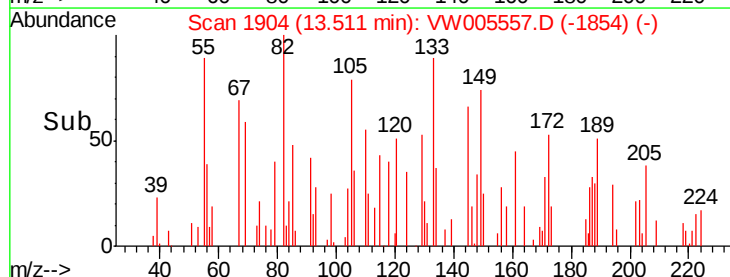
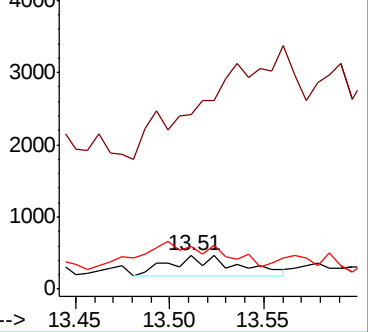
148 160.2 31.8 95.4#

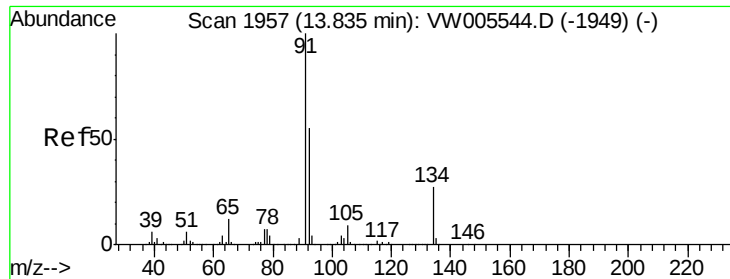


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.354 ug/l

RT: 13.99 min Scan# 1983

Delta R.T. 0.16 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampled :

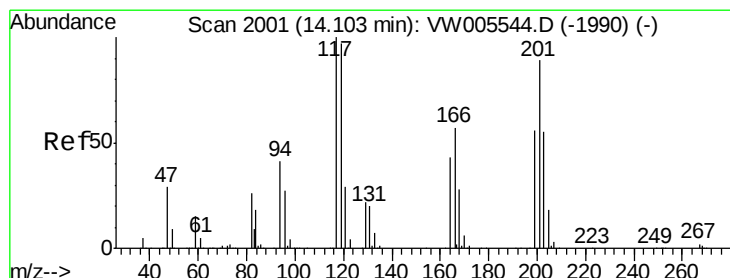
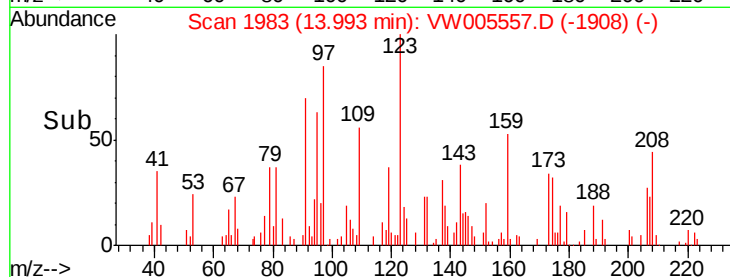
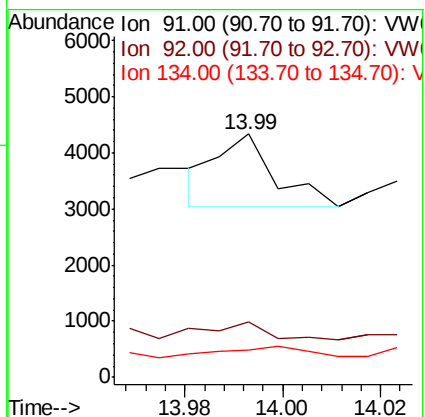
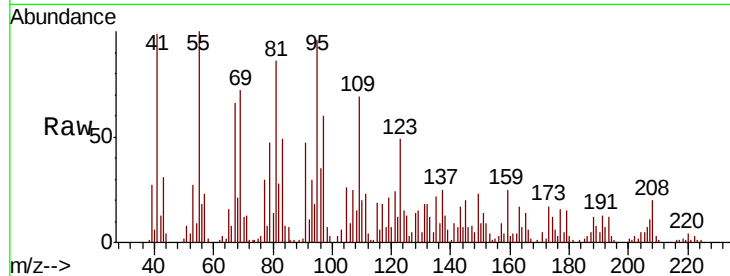
Tot Ion: 91 Resp: 1066

Ion Ratio Lower Upper

91 100

92 27.0 26.5 79.5

134 17.3 12.9 38.7



#90

Hexachloroethane

Concen: 53.191 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005557.D

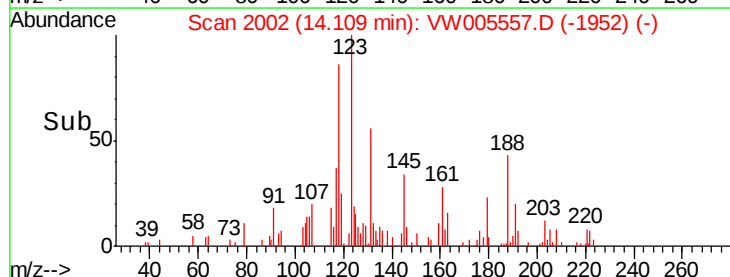
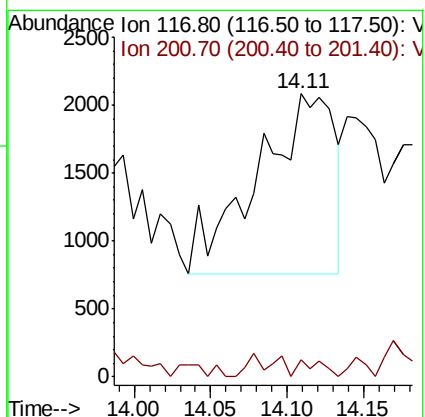
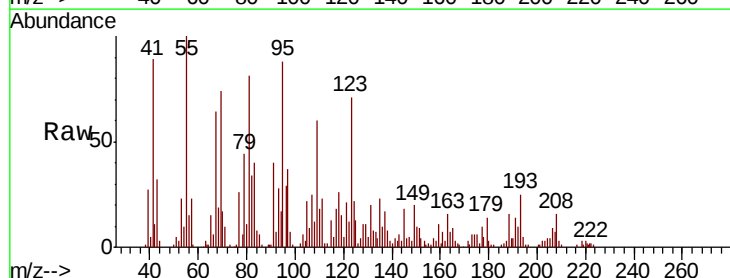
Acq: 21 Sep 2018 13:57

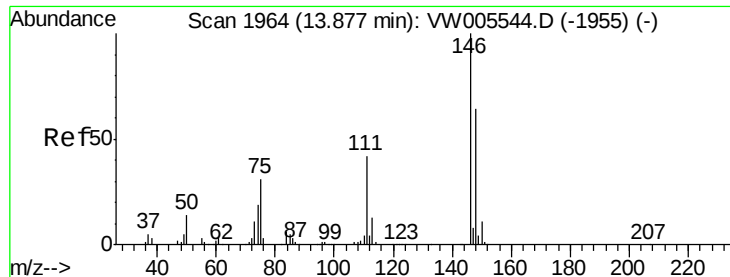
Tgt Ion: 117 Resp: 4629

Ion Ratio Lower Upper

117 100

201 2.9 42.8 128.3#





#91

1,2-Dichlorobenzene

Concen: 1.108 ug/l

RT: 13.85 min Scan# 1960

Delta R.T. -0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

Instrument :

MSVOA_W

ClientSampleId :

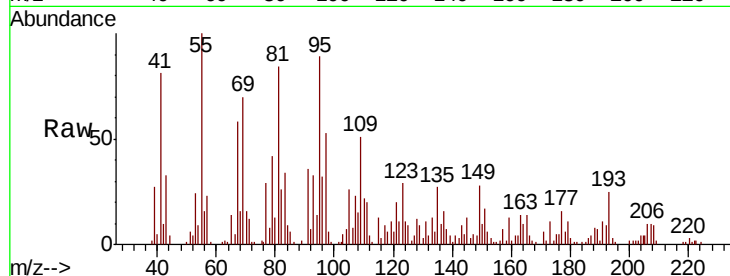
Tot Ion:146 Resp: 237

Ion Ratio Lower Upper

146 100

111 80.2 21.3 63.9#

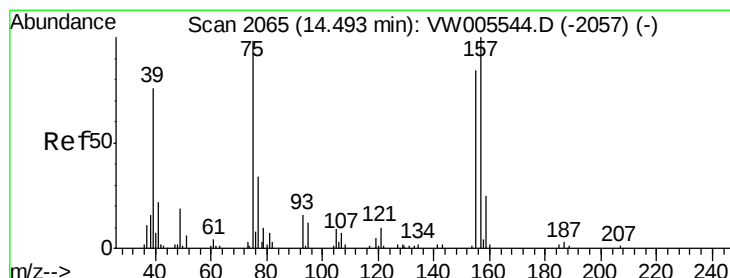
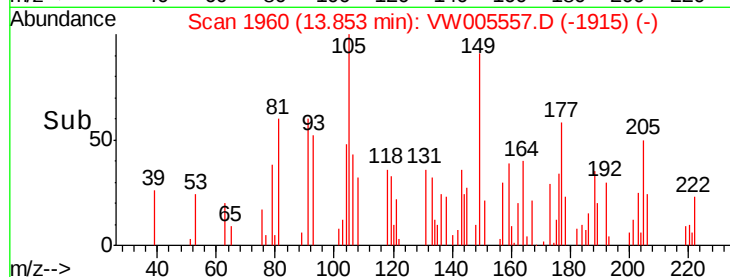
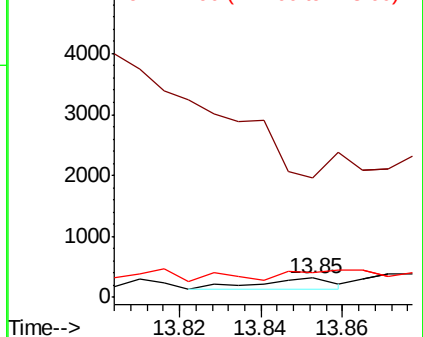
148 97.9 32.0 96.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.937 ug/l

RT: 14.52 min Scan# 2069

Delta R.T. 0.02 min

Lab File: VW005557.D

Acq: 21 Sep 2018 13:57

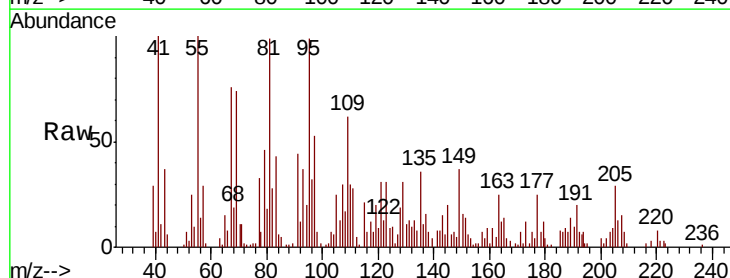
Tgt Ion: 75 Resp: 127

Ion Ratio Lower Upper

75 100

155 69.3 39.1 117.5

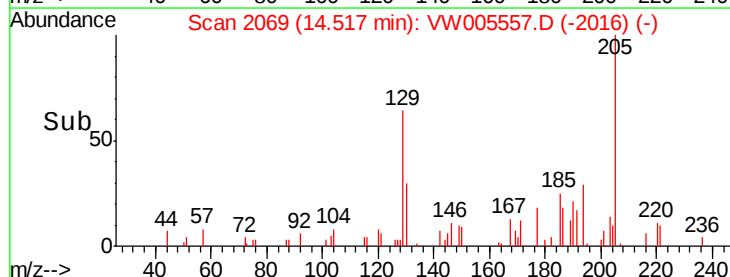
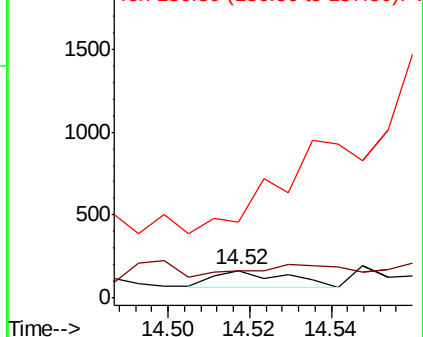
157 0.0 50.8 152.4#

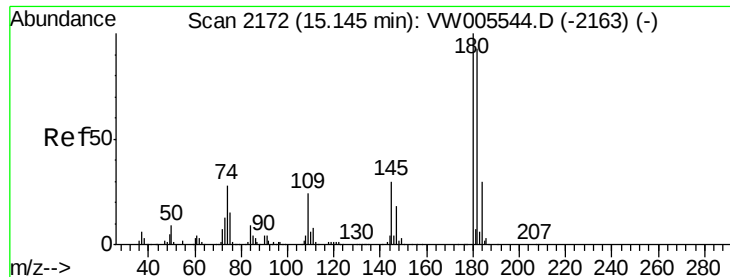


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

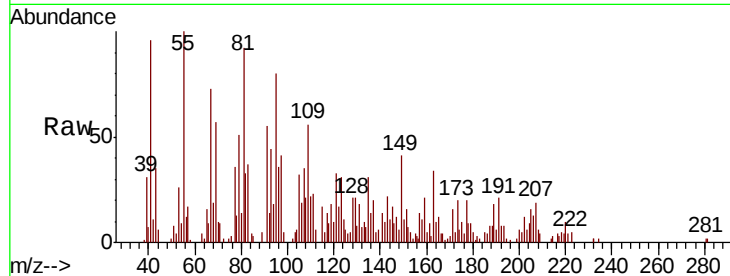




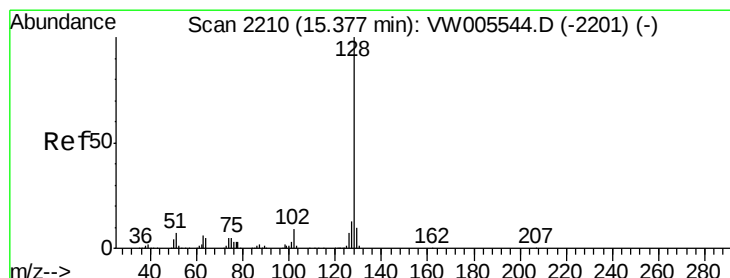
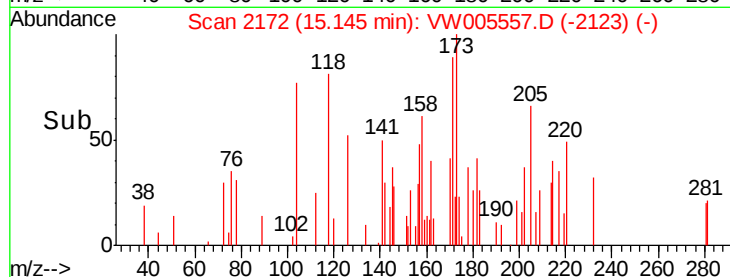
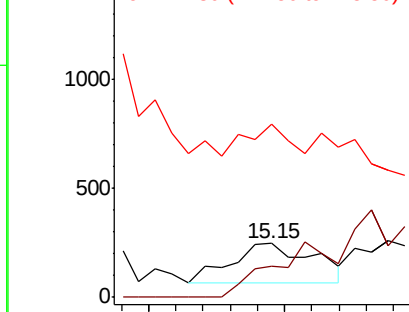
#93
 1,2,4-Trichlorobenzene
 Concen: 2.523 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 385
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 39.7 15.0 45.1

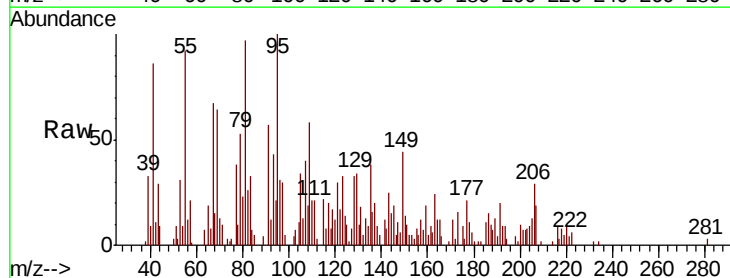


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

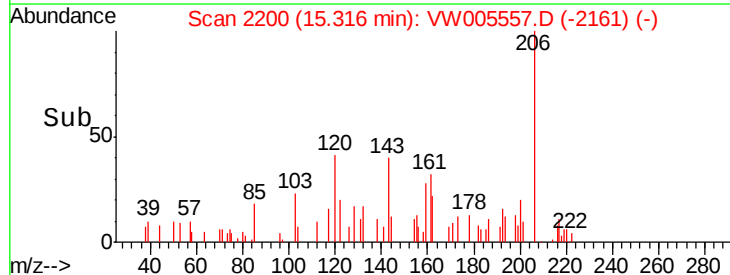
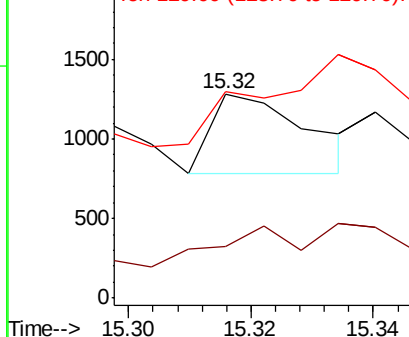


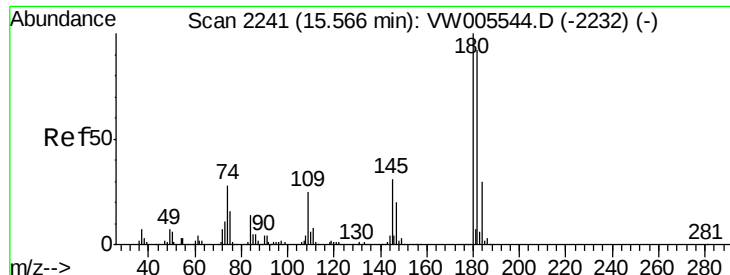
#95
 Naphthalene
 Concen: 2.100 ug/l
 RT: 15.32 min Scan# 2200
 Delta R.T. -0.06 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

Tgt Ion:128 Resp: 539
 Ion Ratio Lower Upper
 128 100
 127 118.2 10.9 16.3#
 129 449.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

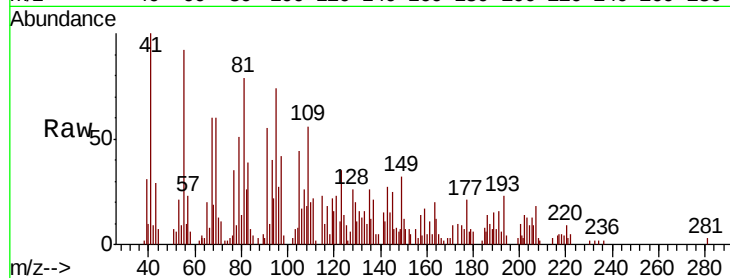




#96
 1,2,3-Trichlorobenzene
 Concen: 2.290 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: VW005557.D
 Acq: 21 Sep 2018 13:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	16.0	47.9#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

