

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004791.D
 Acq On : 20 Aug 2018 15:19
 Operator : SY/AP
 Sample : J4537-01RE
 Misc : 6.61G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

Quant Time: Aug 20 15:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	681005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1096825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	869529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	299947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	331973	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.88	113	336174	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.33	98	1094769	40.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.02%	
62) 4-Bromofluorobenzene	12.62	95	359675	36.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.06%	

Target Compounds

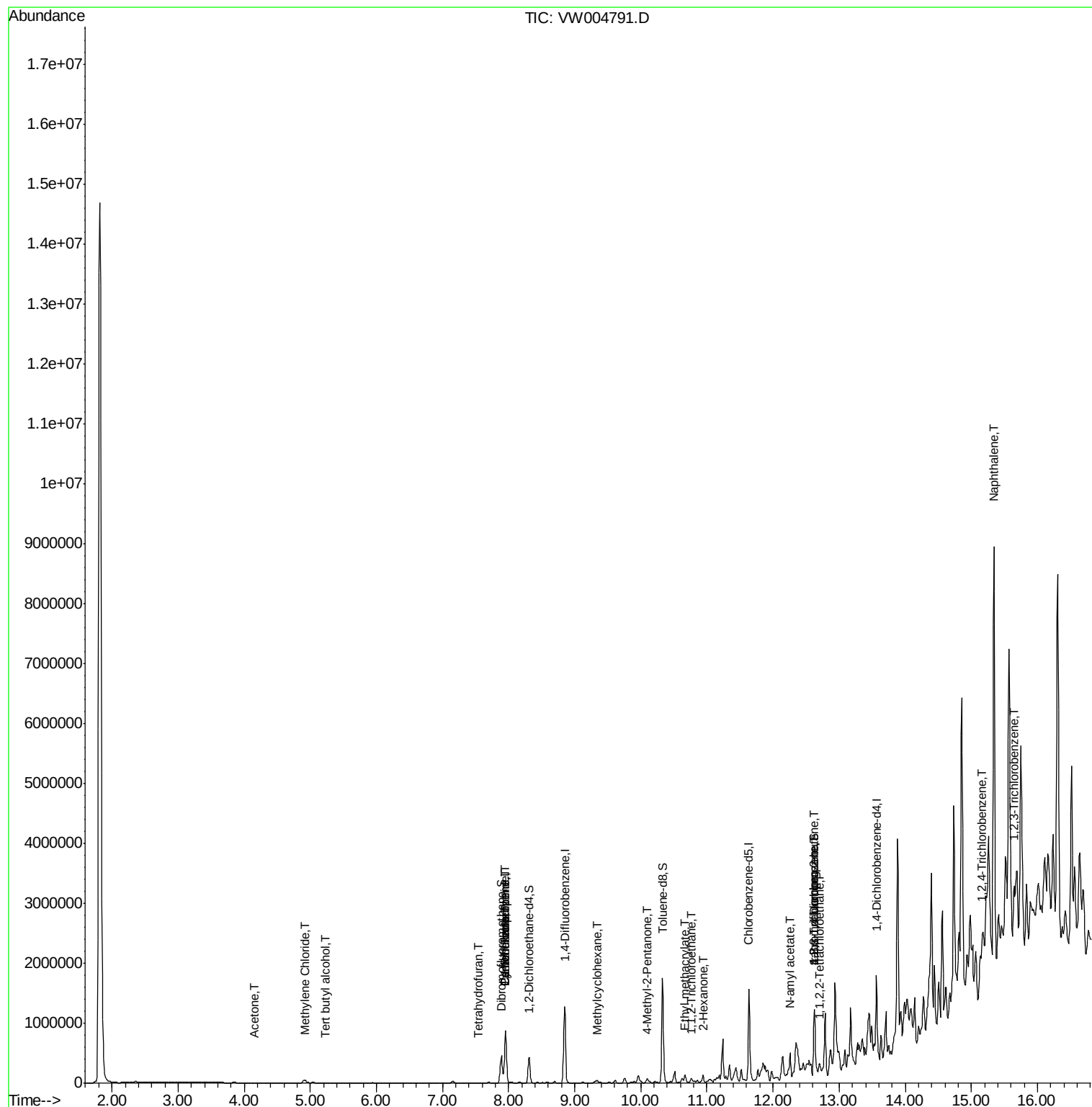
						Qvalue
11) Tert butyl alcohol	5.23	59	5479	14.895	ug/l	98
16) Acetone	4.14	43	7629	4.539	ug/l	100
20) Methylene Chloride	4.92	84	44988	1.693	ug/l	97
29) Tetrahydrofuran	7.54	42	1379	1.129	ug/l #	78
31) Cyclohexane	7.95	56	14811	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	48978	4.335	ug/l #	49
38) Carbon Tetrachloride	7.95	117	62838	6.042	ug/l #	16
39) Methylcyclohexane	9.34	83	20178	1.428	ug/l	96
51) 4-Methyl-2-Pentanone	10.10	43	26641	4.872	ug/l #	41
55) 1,1,2-Trichloroethane	10.77	97	23939	4.232	ug/l #	21
56) Ethyl methacrylate	10.67	69	11557	4.451	ug/l #	2
59) 2-Hexanone	10.94	43	45556	12.296	ug/l #	29
74) N-amyl acetate	12.26	43	92613	21.840	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.69	83	14409	3.812	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	166270	62.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	166270	146.158	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.15	180	7146	1.120	ug/l #	1
95) Naphthalene	15.34	128	7255	4.053	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.64	180	23066	4.075	ug/l	78

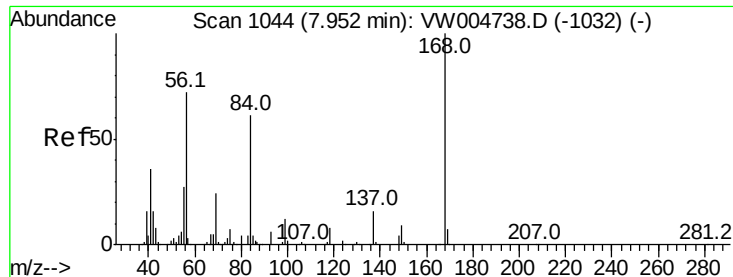
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

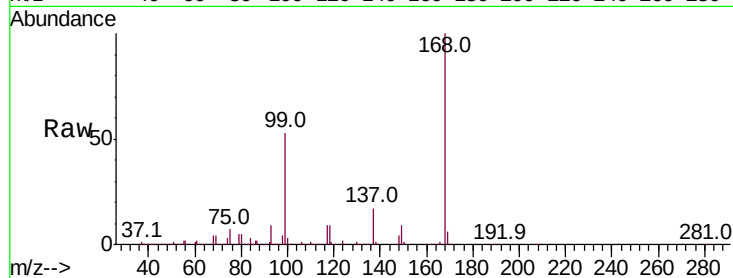
G.L.-WC-UST-01

Tot Ion:168 Resp: 681005

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

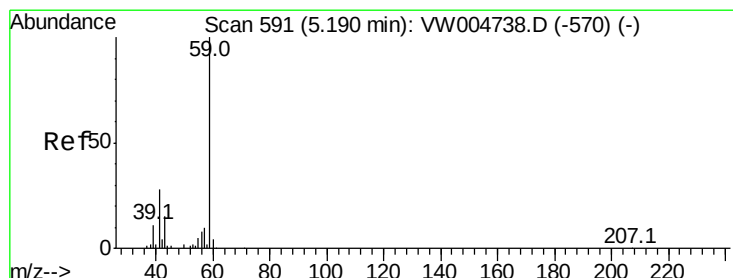
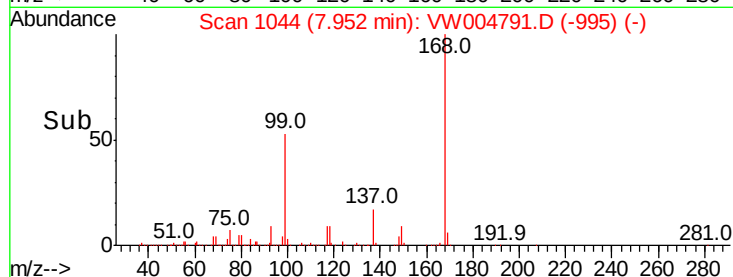
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 14.895 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.04 min

Lab File: VW004791.D

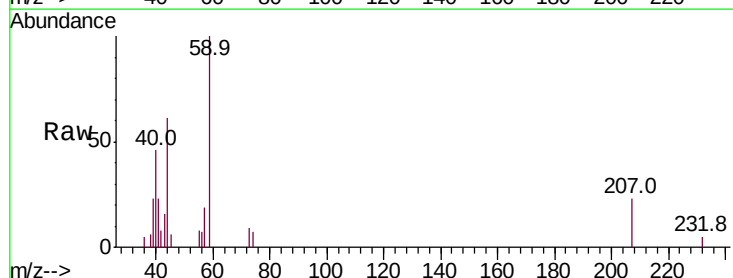
Acq: 20 Aug 2018 15:19

Tgt Ion: 59 Resp: 5479

Ion Ratio Lower Upper

59 100

57 9.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

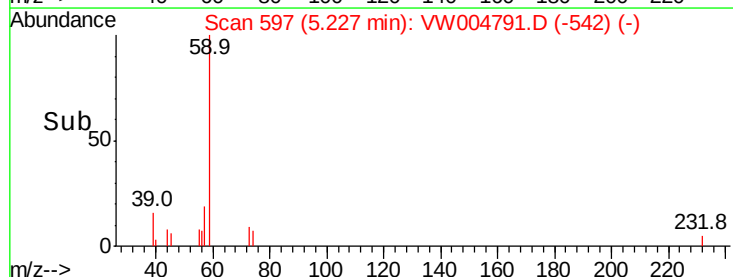
1000

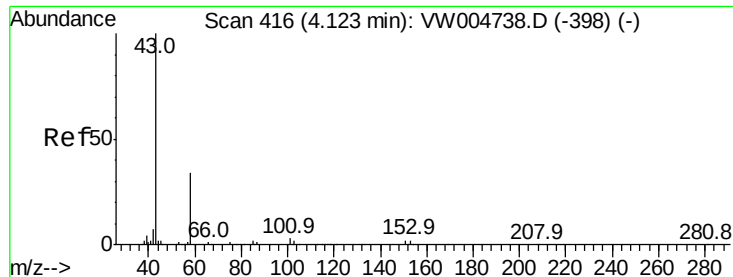
500

0

5.10 5.20 5.30

Time-->





#16

Acetone

Concen: 4.539 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

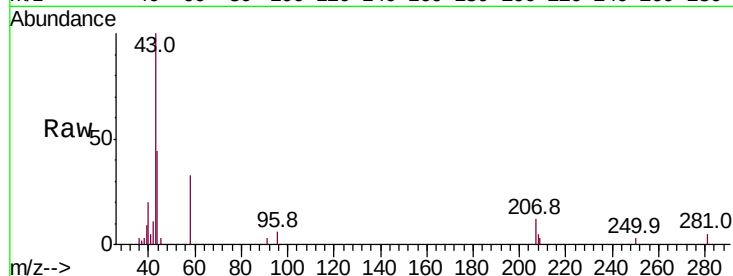
G.L.-WC-UST-01

Tot Ion: 43 Resp: 7629

Ion Ratio Lower Upper

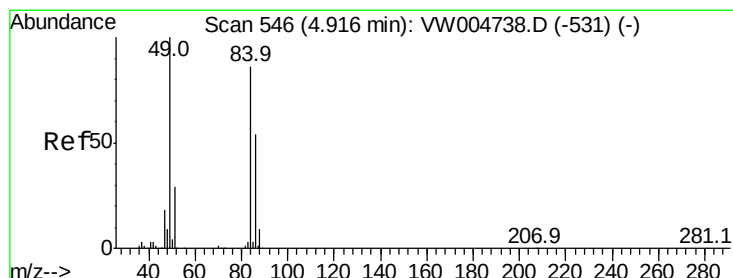
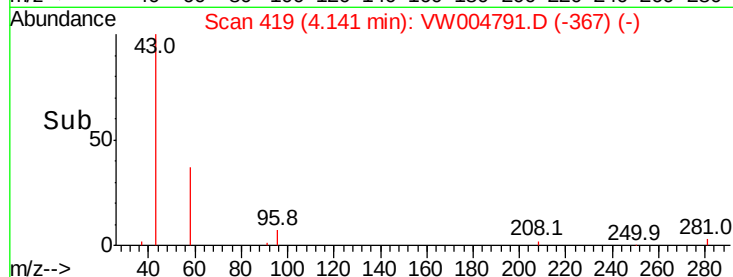
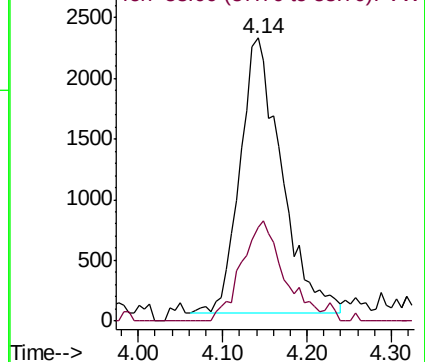
43 100

58 34.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.693 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Tgt Ion: 84 Resp: 44988

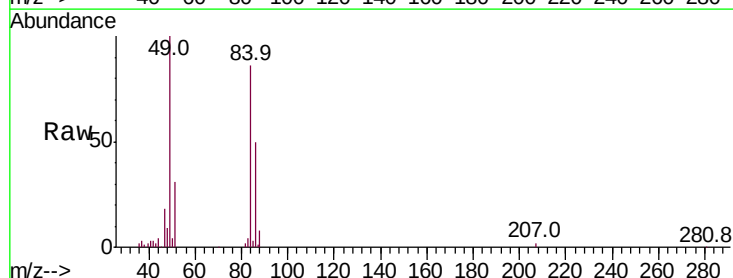
Ion Ratio Lower Upper

84 100

49 116.9 93.2 139.8

51 36.3 27.4 41.0

86 58.3 50.6 75.8

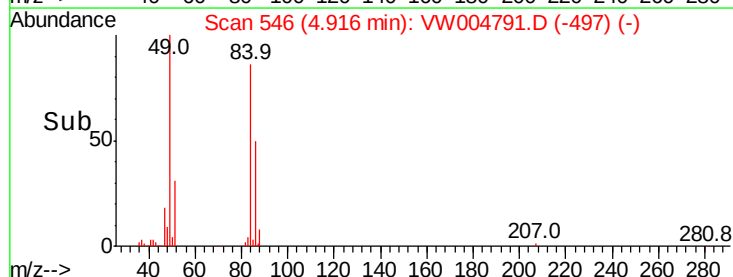
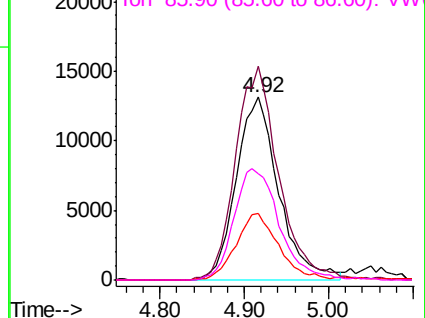


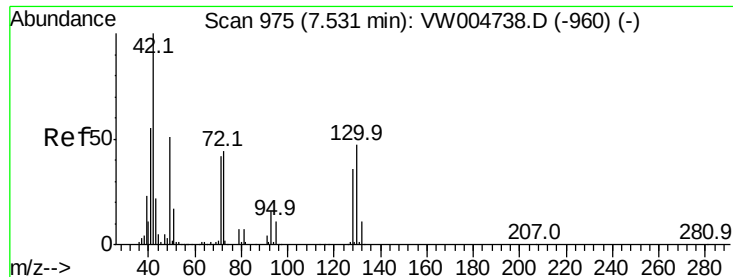
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.129 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

G.L.-WC-UST-01

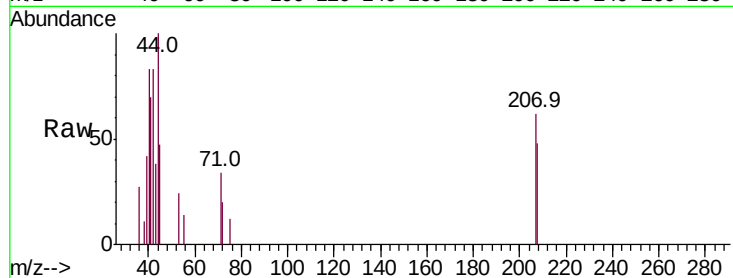
Tot Ion: 42 Resp: 1379

Ion Ratio Lower Upper

42 100

72 19.6 34.9 52.3#

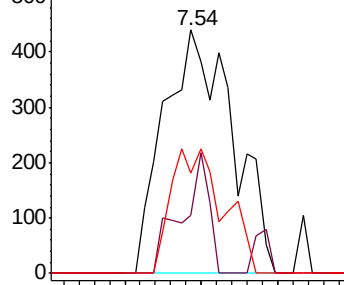
71 38.8 33.8 50.6



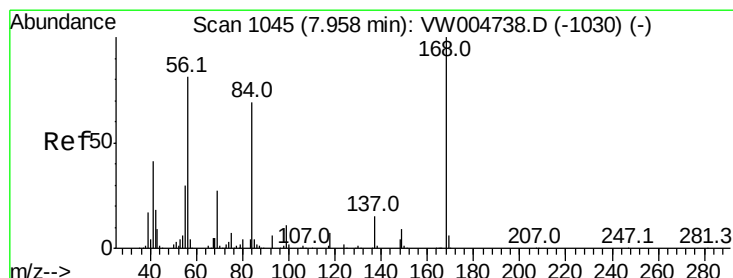
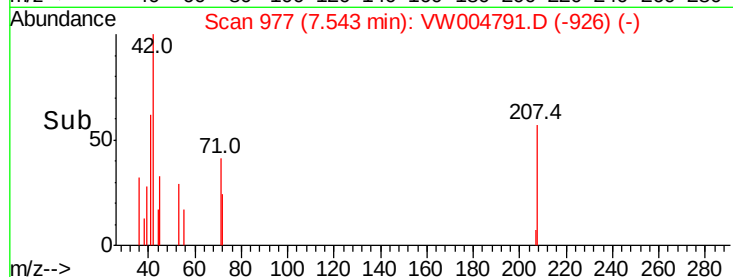
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

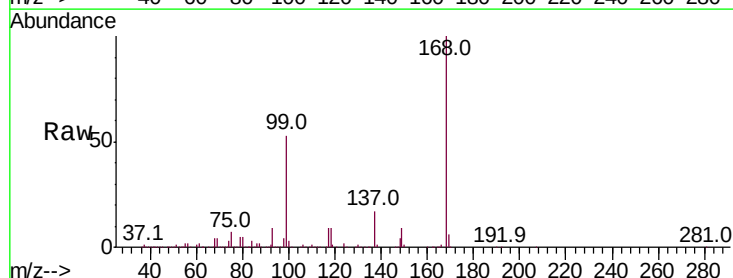
Tgt Ion: 56 Resp: 14811

Ion Ratio Lower Upper

56 100

69 181.4 27.1 40.7#

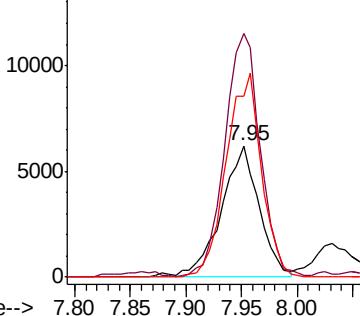
84 138.3 68.3 102.5#



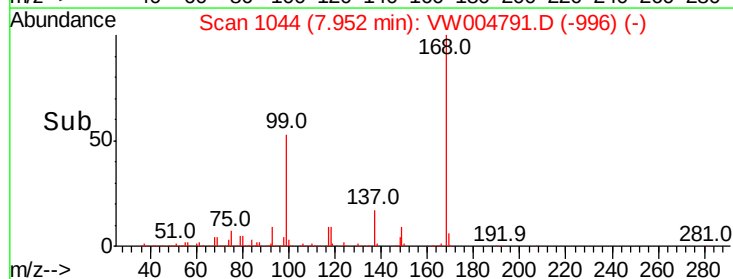
Abundance Ion 56.00 (55.70 to 56.70): VW

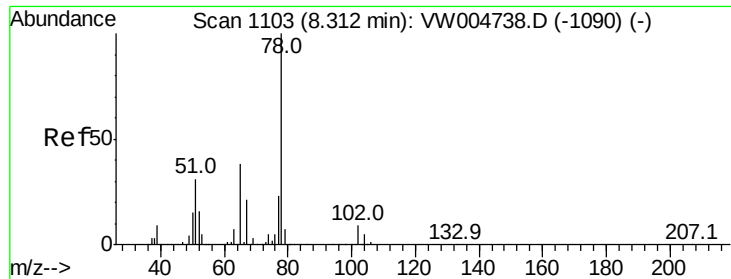
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

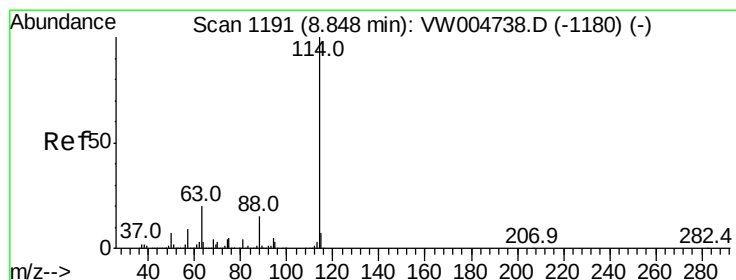
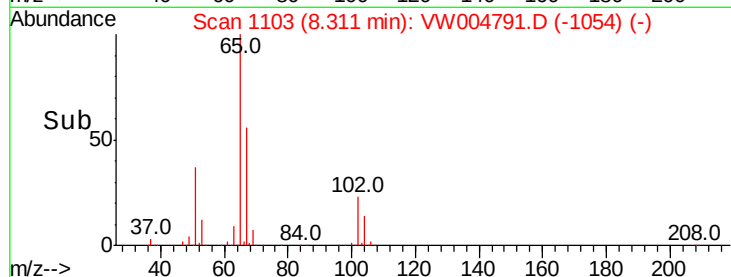
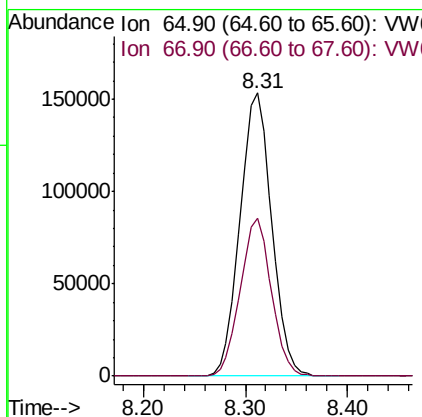
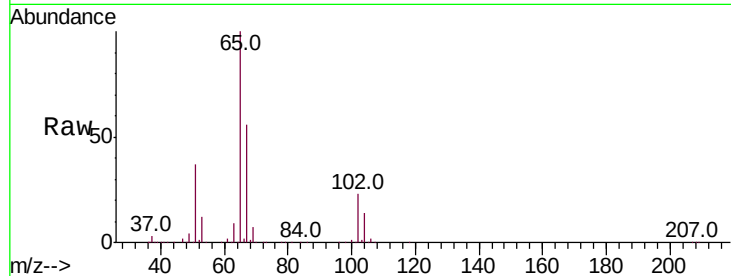




#33
 1,2-Dichloroethane-d4
 Concen: 50.421 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

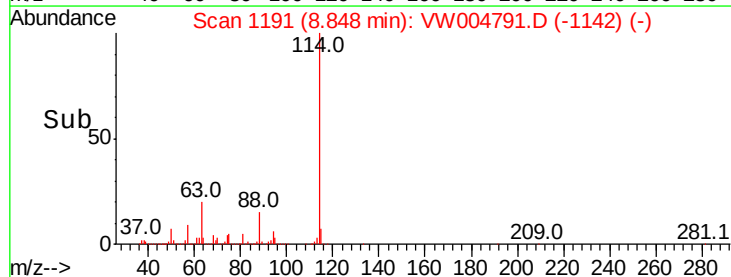
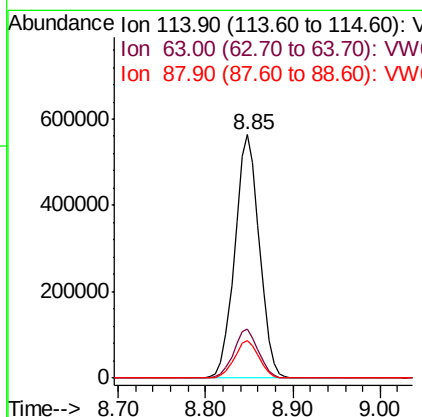
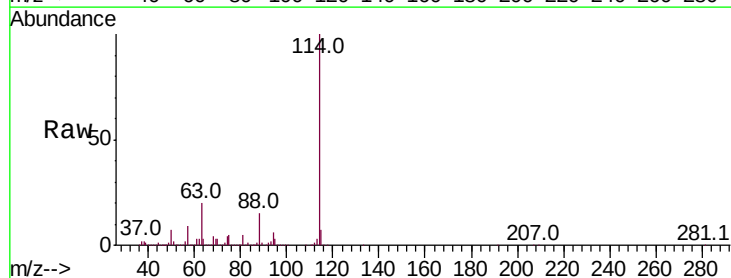
Instrument :
 MSVOA_W
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 G.L.-WC-UST-01

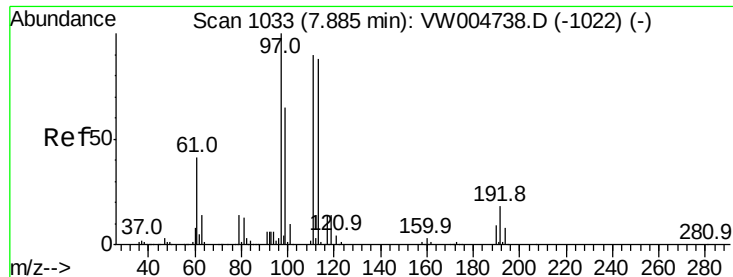
Tot Ion: 65 Resp: 331973
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Tgt Ion: 114 Resp: 1096825
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.2 0.0 30.0

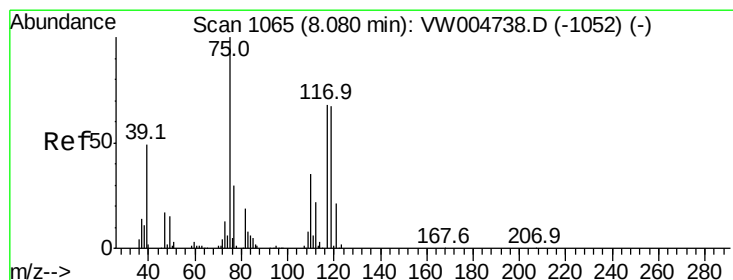
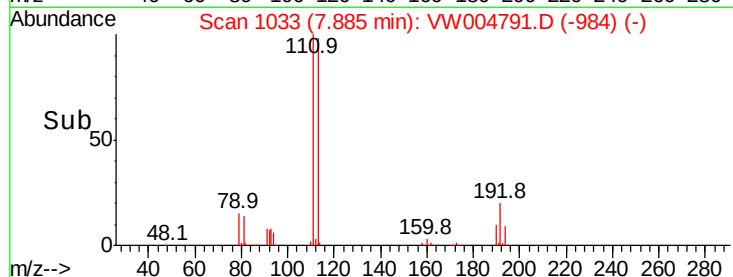
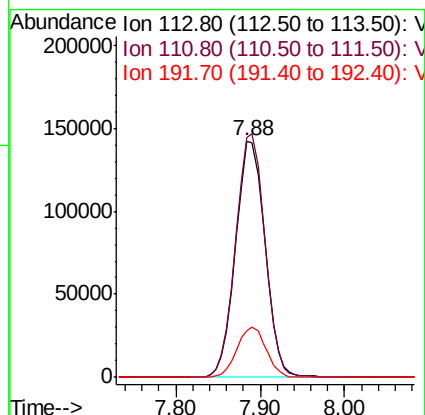
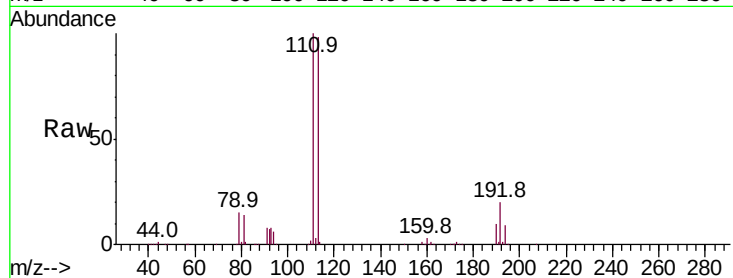




#35
 Dibromofluoromethane
 Concen: 47.955 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

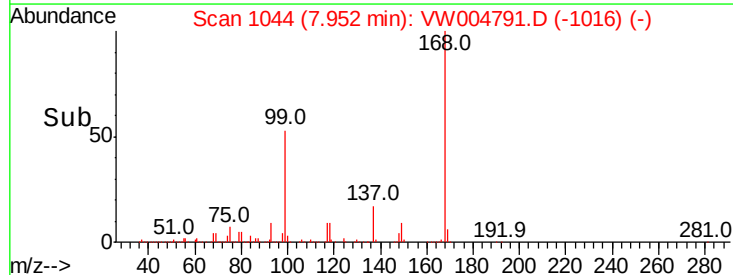
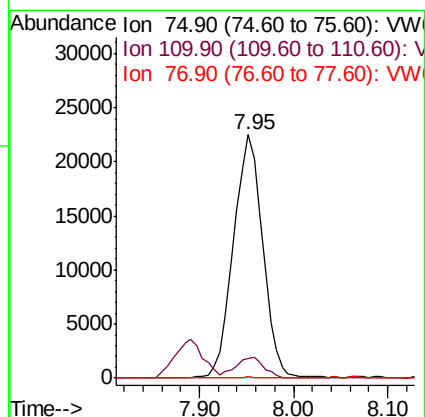
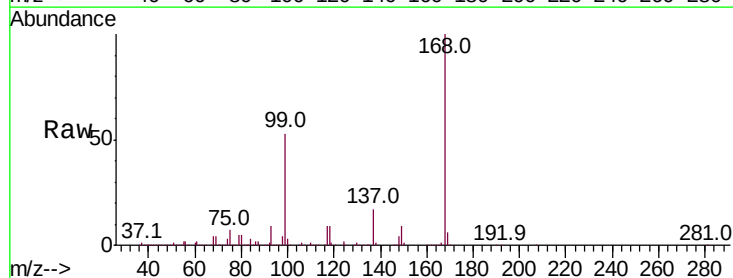
Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

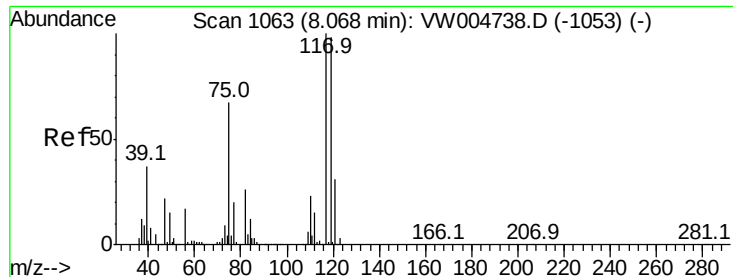
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	21.0	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.5#
77	0.2	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

G.L.-WC-UST-01

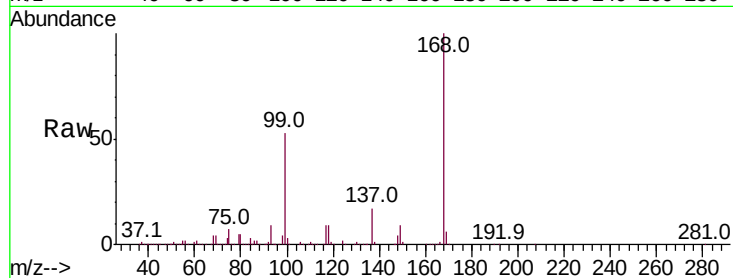
Tot Ion:117 Resp: 62838

Ion Ratio Lower Upper

117 100

119 6.3 78.0 117.0#

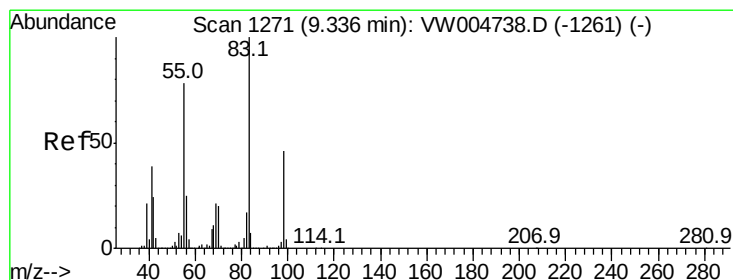
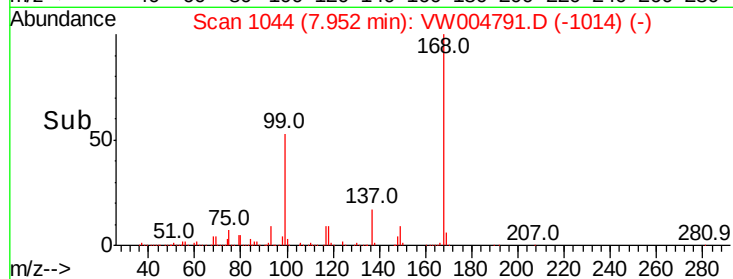
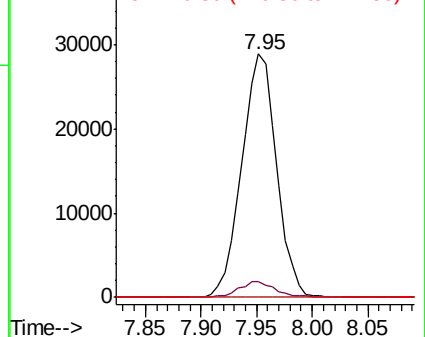
121 0.0 24.8 37.2#



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: 1.428 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

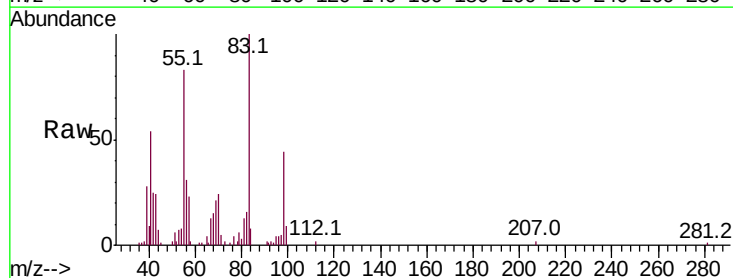
Tgt Ion: 83 Resp: 20178

Ion Ratio Lower Upper

83 100

55 82.8 62.4 93.6

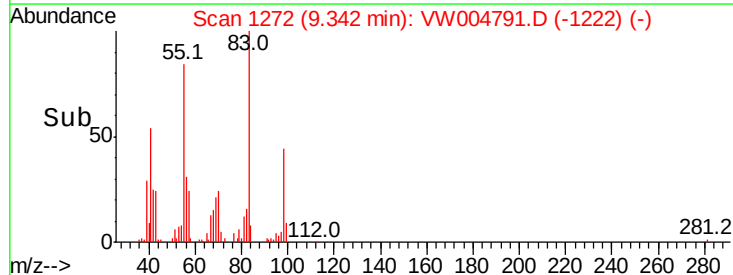
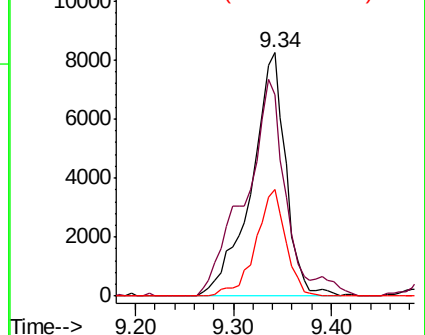
98 43.9 36.5 54.7

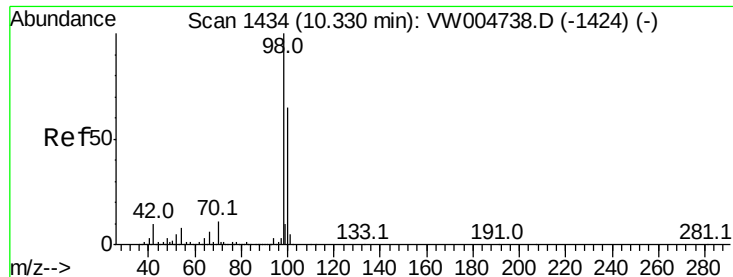


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

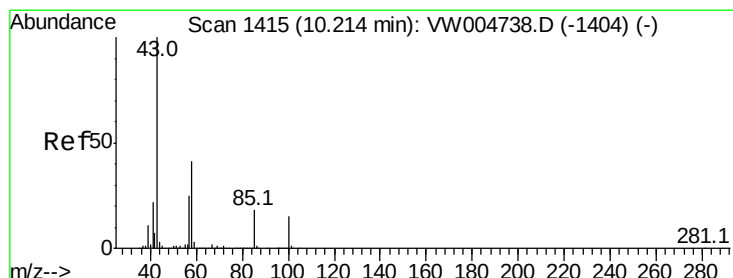
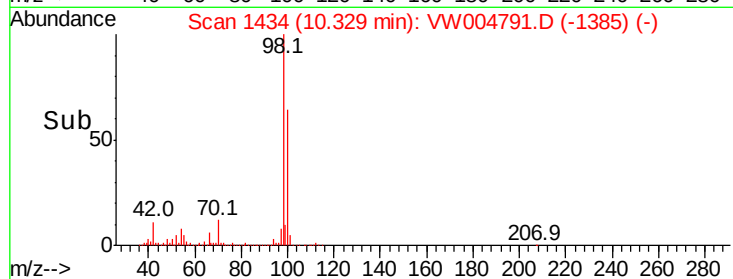
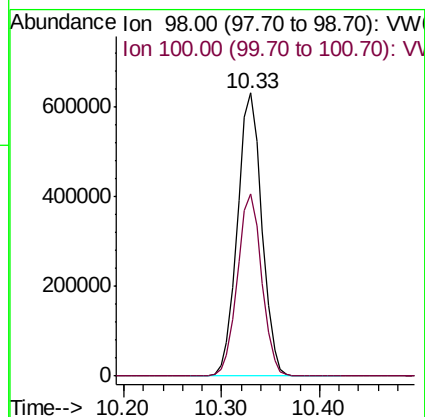
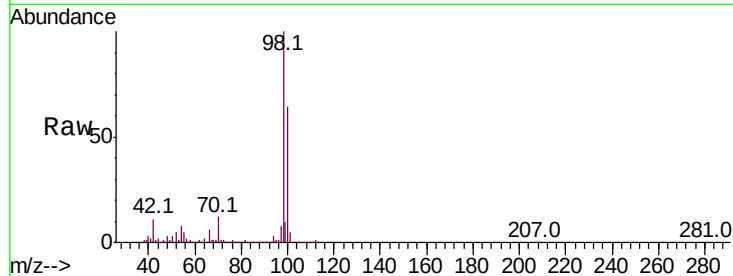




#50
Toluene-d8
Concen: 40.006 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004791.D
Acq: 20 Aug 2018 15:19

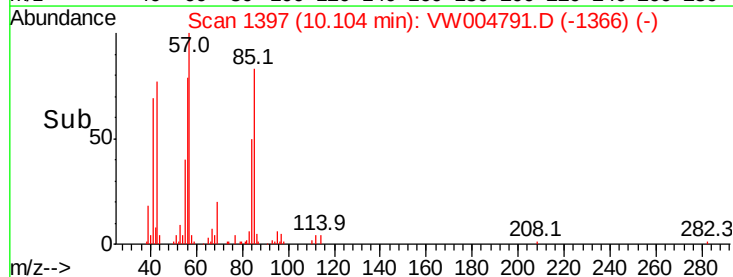
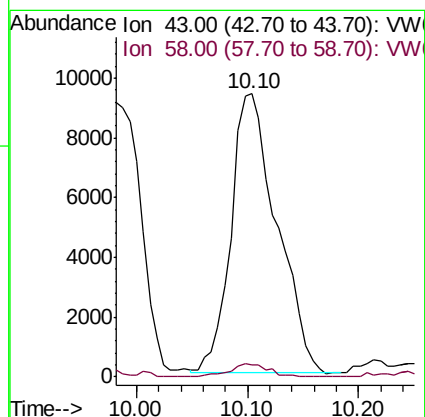
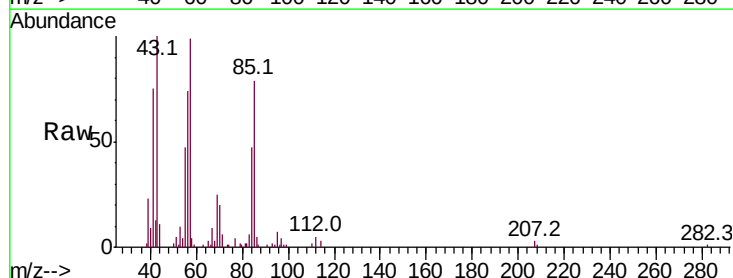
Instrument :
MSVOA_W
ClientSampleId :
G.L.-WC-UST-01

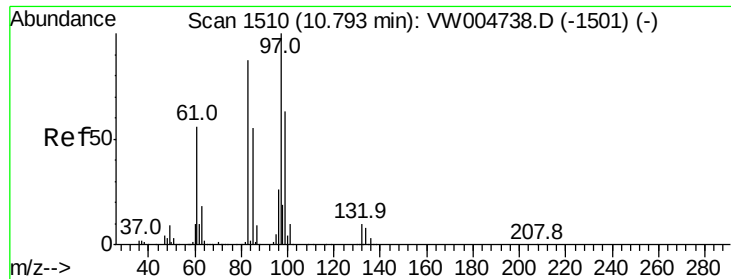
Tot Ion: 98 Resp: 1094769
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 4.872 ug/l
RT: 10.10 min Scan# 1397
Delta R.T. -0.11 min
Lab File: VW004791.D
Acq: 20 Aug 2018 15:19

Tgt Ion: 43 Resp: 26641
Ion Ratio Lower Upper
43 100
58 4.0 32.7 49.1#

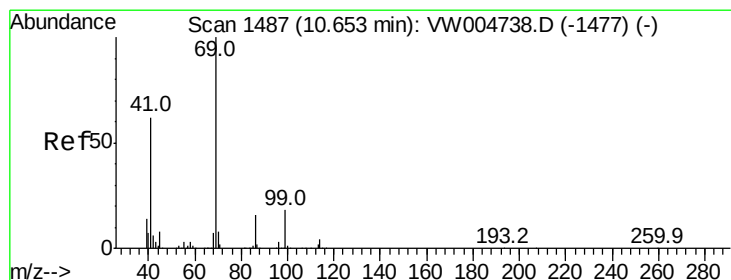
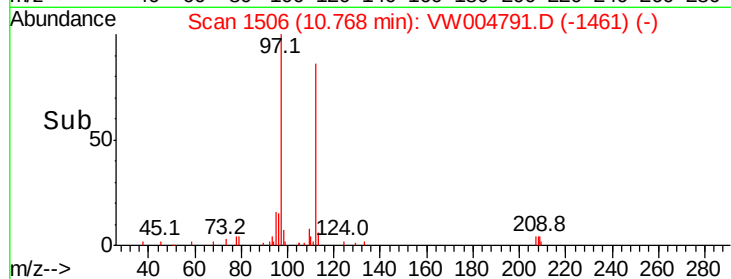
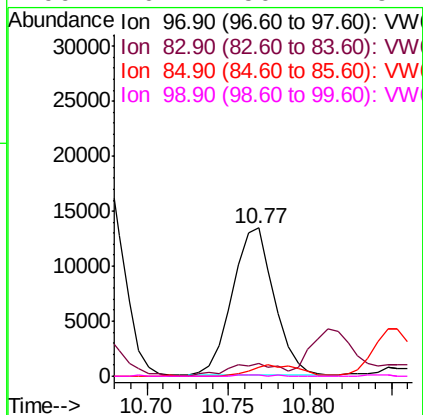
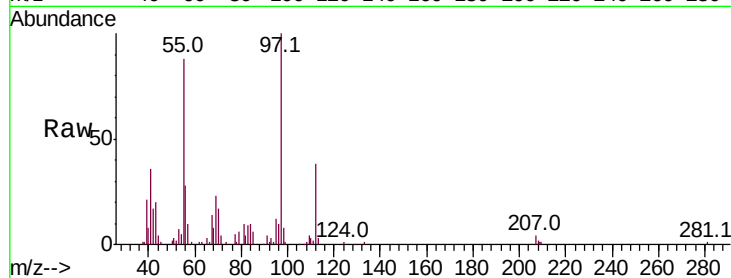




#55
 1,1,2-Trichloroethane
 Concen: 4.232 ug/l
 RT: 10.77 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

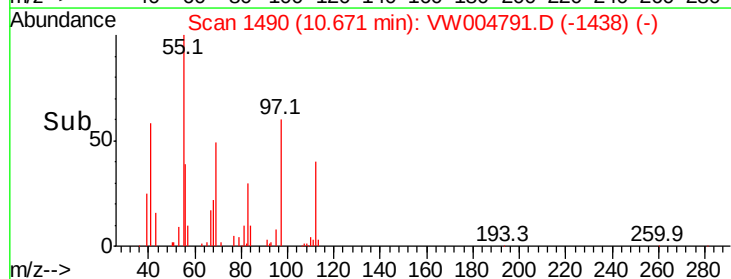
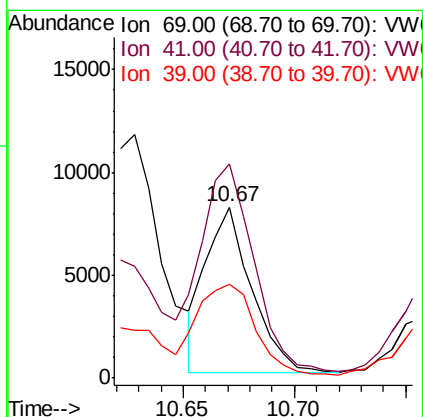
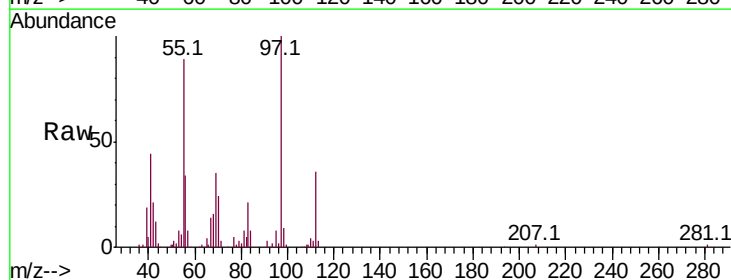
Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

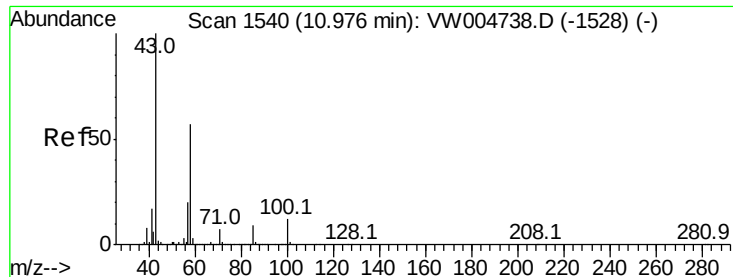
Tot Ion:	97	Resp:	23939
Ion	Ratio	Lower	Upper
97	100		
83	8.6	69.4	104.2#
85	5.9	44.3	66.5#
99	0.7	50.2	75.2#



#56
 Ethyl methacrylate
 Concen: 4.451 ug/l
 RT: 10.67 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Tgt Ion:	69	Resp:	11557
Ion	Ratio	Lower	Upper
69	100		
41	144.9	50.7	76.1#
39	69.8	21.4	32.2#





#59

2-Hexanone

Concen: 12.296 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

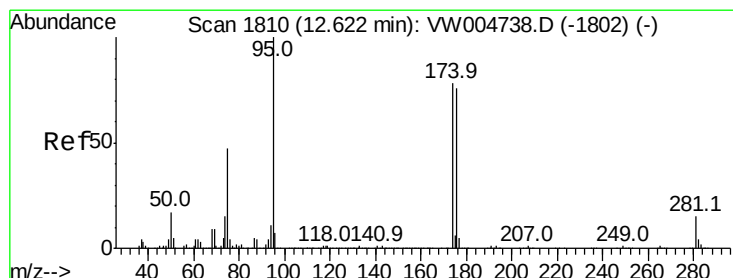
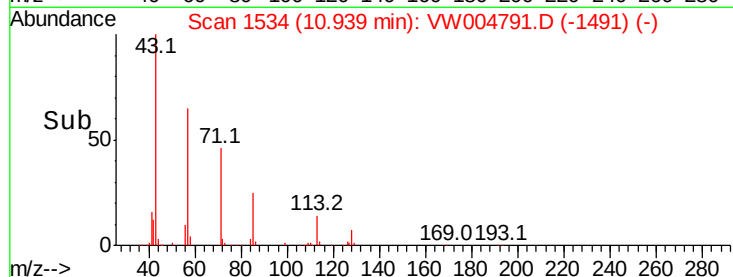
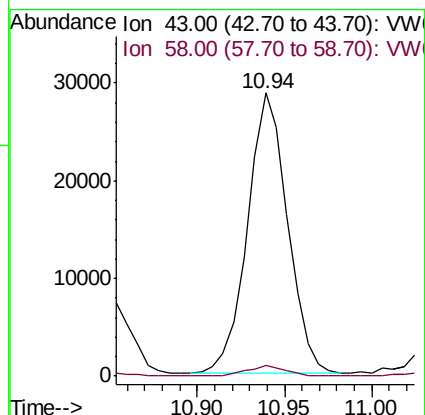
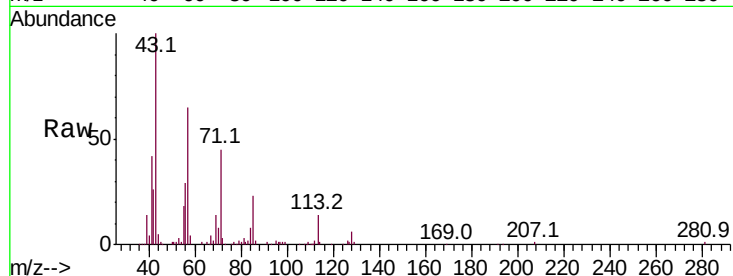
G.L.-WC-UST-01

Tot Ion: 43 Resp: 45556

Ion Ratio Lower Upper

43 100

58 4.2 28.1 84.4#



#62

4-Bromofluorobenzene

Concen: 36.534 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

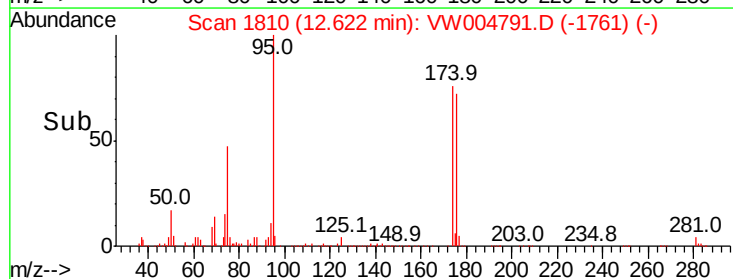
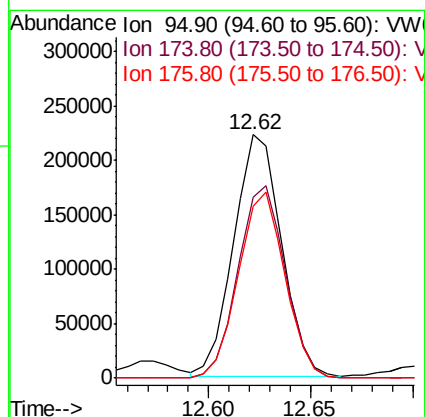
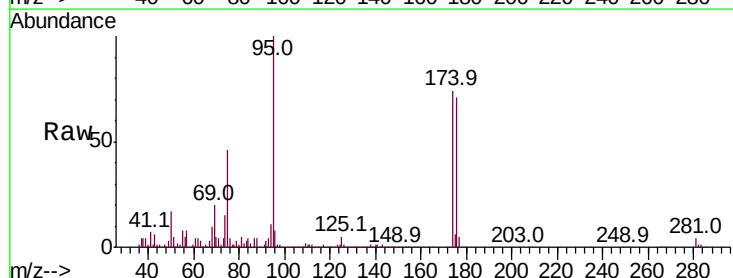
Tgt Ion: 95 Resp: 359675

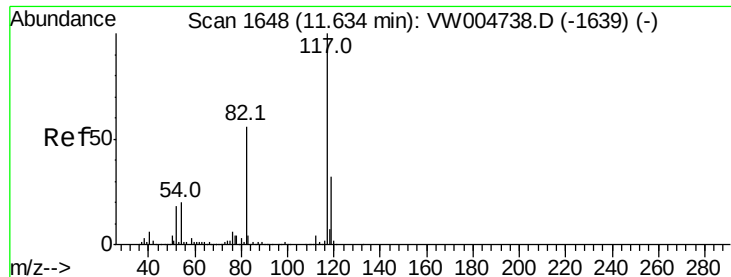
Ion Ratio Lower Upper

95 100

174 79.2 0.0 165.8

176 75.6 0.0 159.8

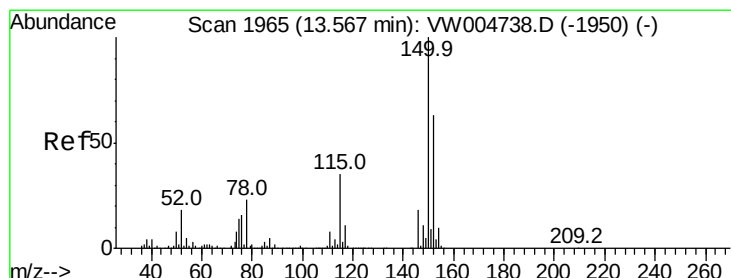
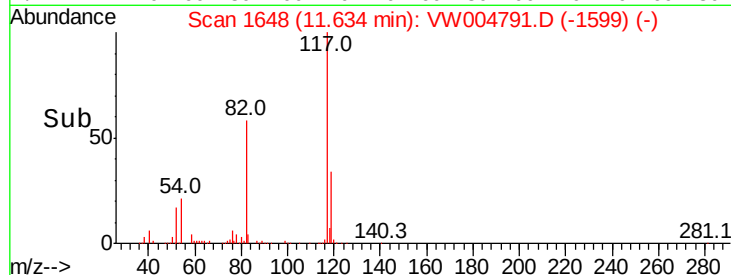
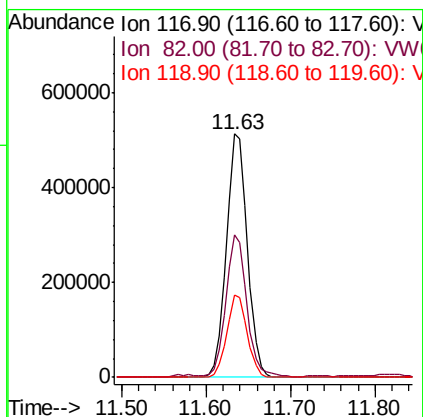
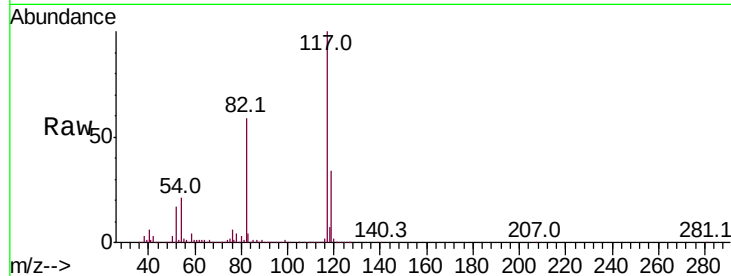




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004791.D
Acq: 20 Aug 2018 15:19

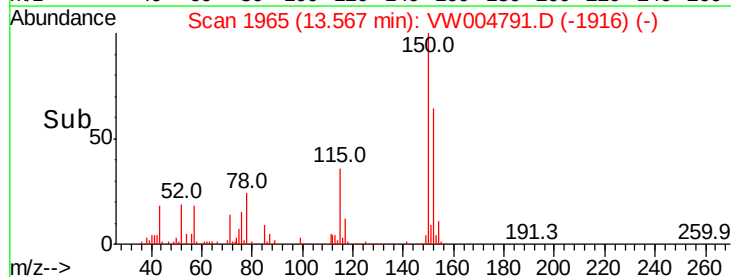
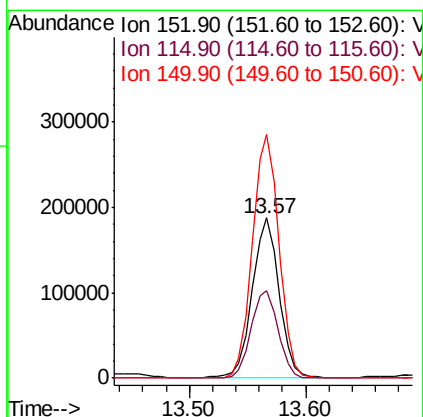
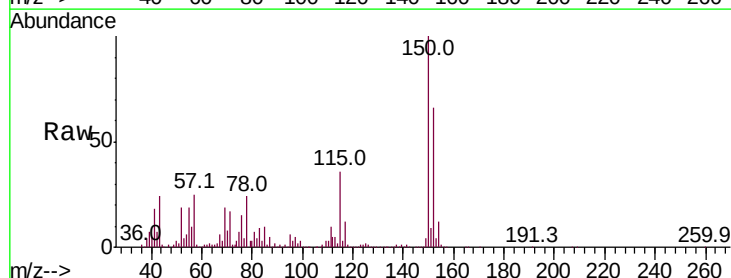
Instrument :
MSVOA_W
ClientSampleId :
G.L.-WC-UST-01

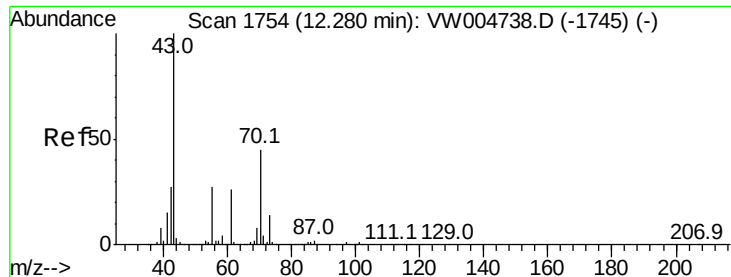
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.6	67.0
119	33.6	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004791.D
Acq: 20 Aug 2018 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.5	85.5
150	151.0	0.0	344.8





#74

N-amvl acetate

Concen: 21.840 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

G.L.-WC-UST-01

Tot Ion: 43 Resp: 92613

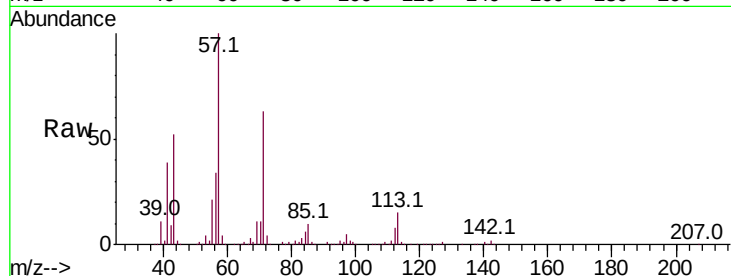
Ion Ratio Lower Upper

43 100

70 27.5 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

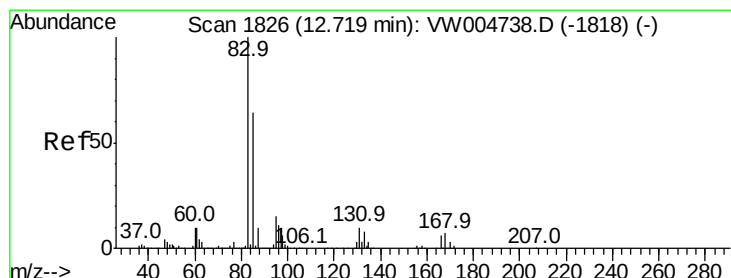
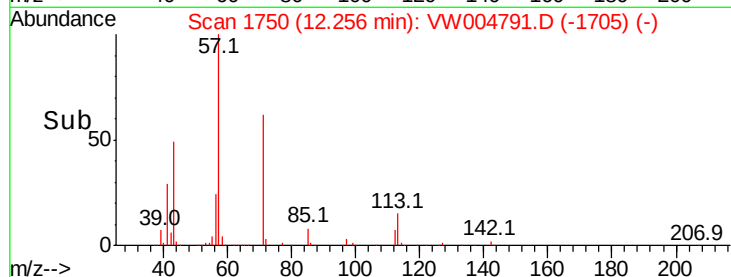
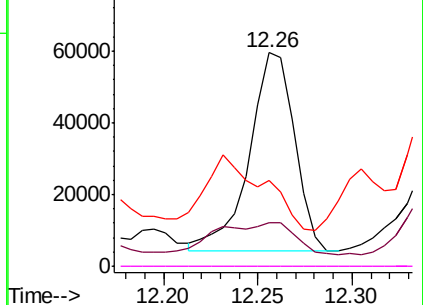


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 3.812 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW004791.D

Acq: 20 Aug 2018 15:19

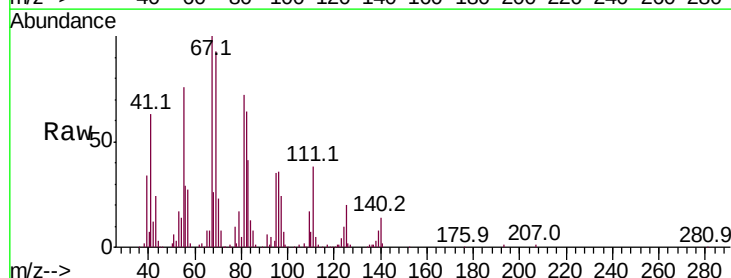
Tgt Ion: 83 Resp: 14409

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

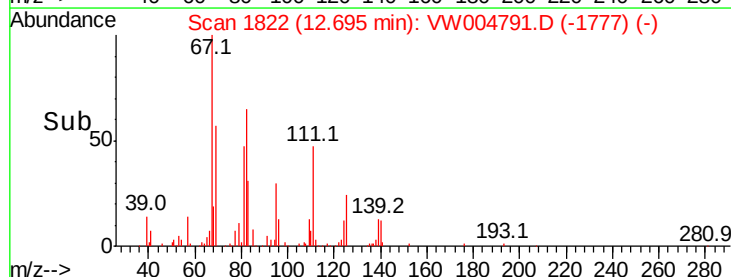
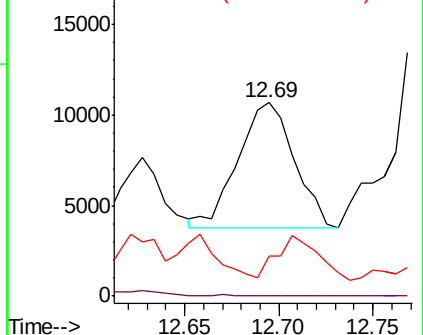
85 25.4 31.9 95.9#

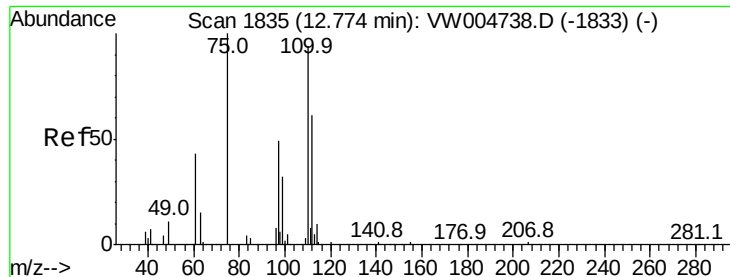


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

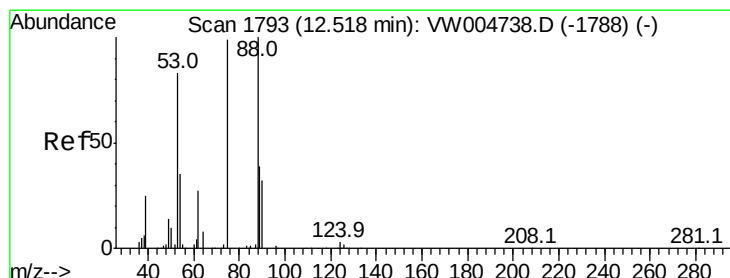
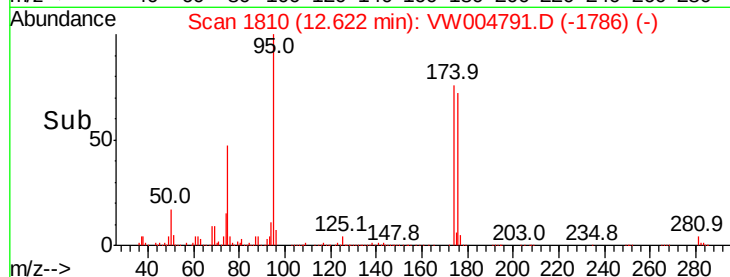
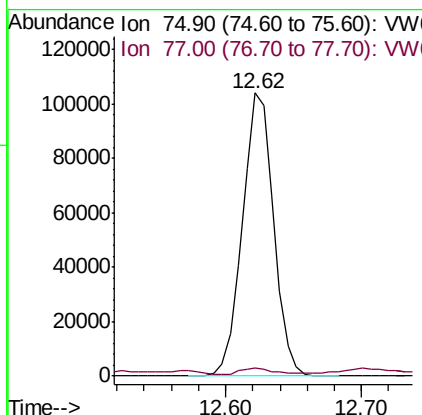
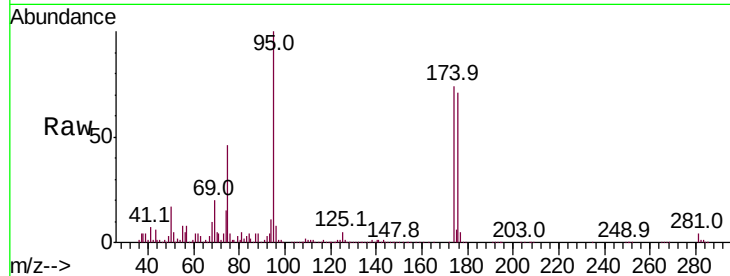




#76
 1,2,3-Trichloropropane
 Concen: 62.883 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

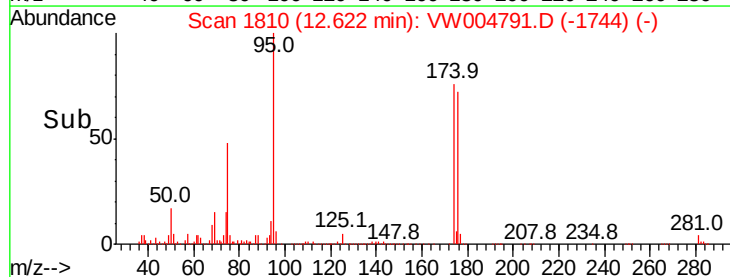
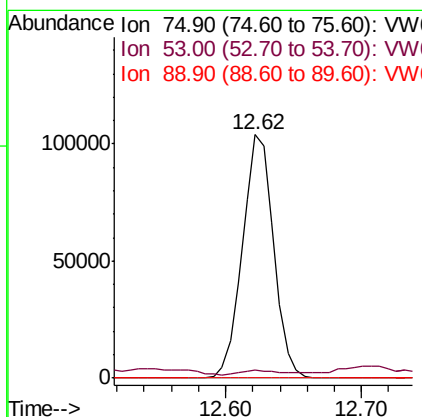
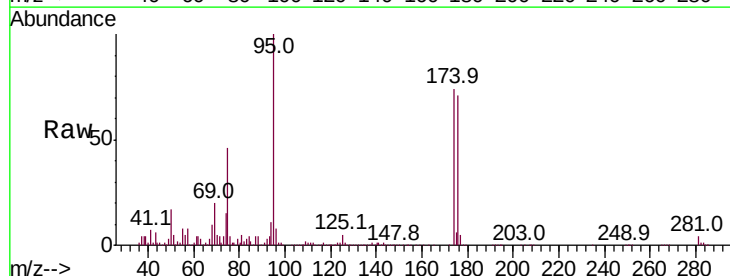
Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

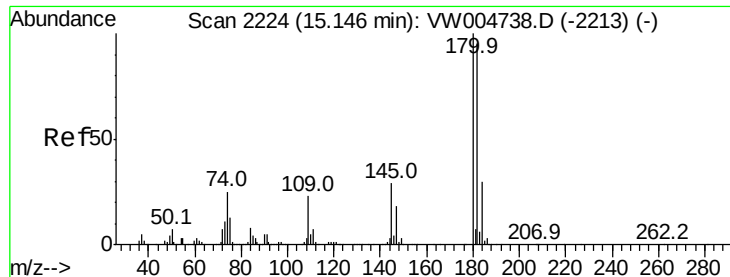
Tot Ion: 75 Resp: 166270
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.158 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Tgt Ion: 75 Resp: 166270
 Ion Ratio Lower Upper
 75 100
 53 2.4 72.2 108.4#
 89 0.0 35.2 52.8#

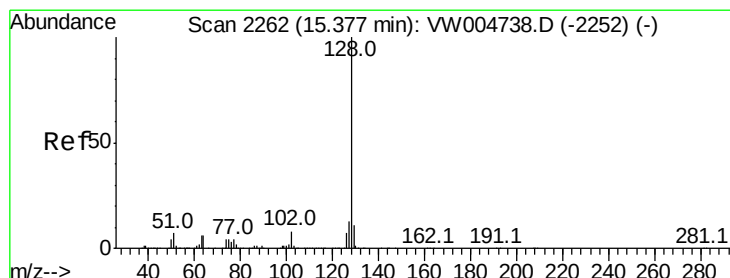
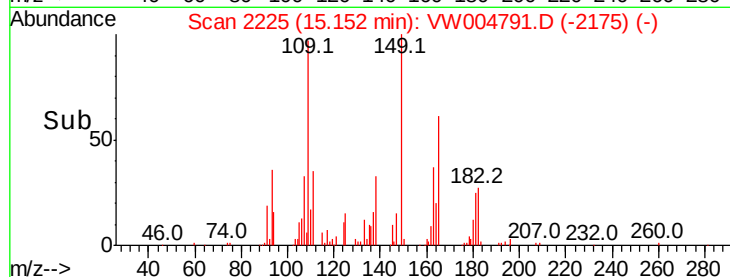
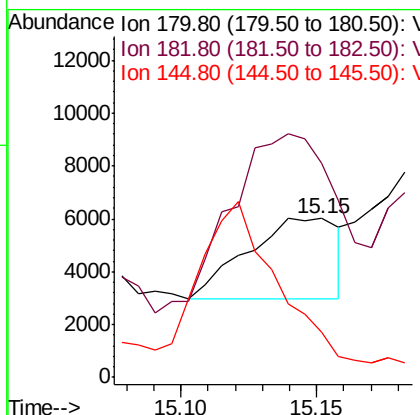
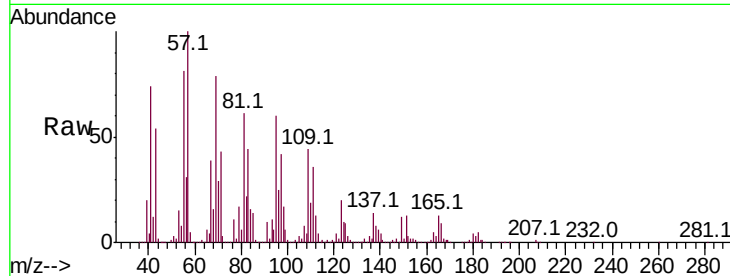




#93
 1,2,4-Trichlorobenzene
 Concen: 1.120 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

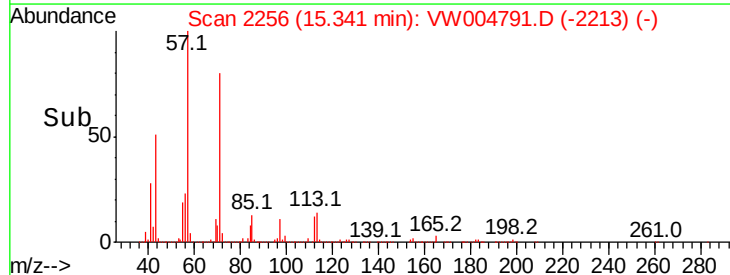
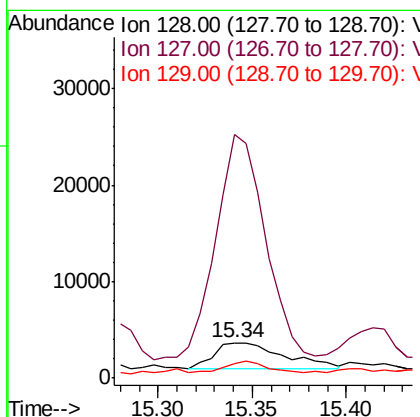
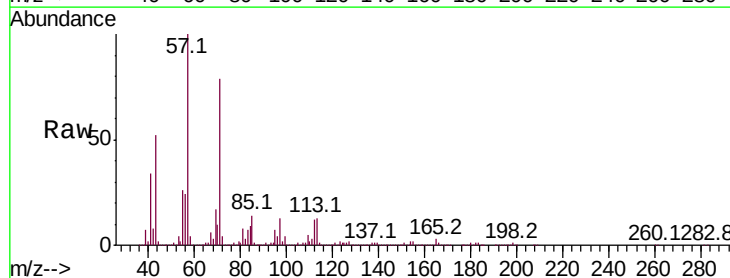
Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

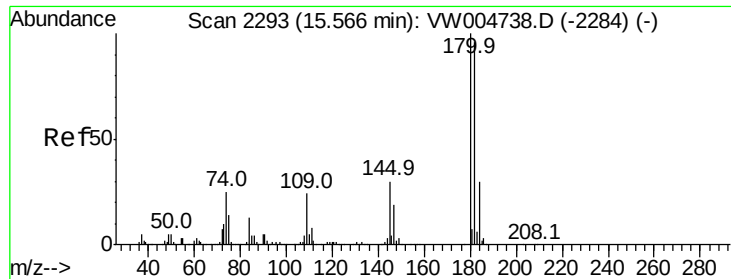
Tot Ion:180 Resp: 7146
 Ion Ratio Lower Upper
 180 100
 182 265.8 47.3 141.8#
 145 0.0 14.6 43.8#



#95
 Naphthalene
 Concen: 4.053 ug/l
 RT: 15.34 min Scan# 2256
 Delta R.T. -0.04 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Tgt Ion:128 Resp: 7255
 Ion Ratio Lower Upper
 128 100
 127 589.1 10.4 15.6#
 129 21.3 8.6 13.0#

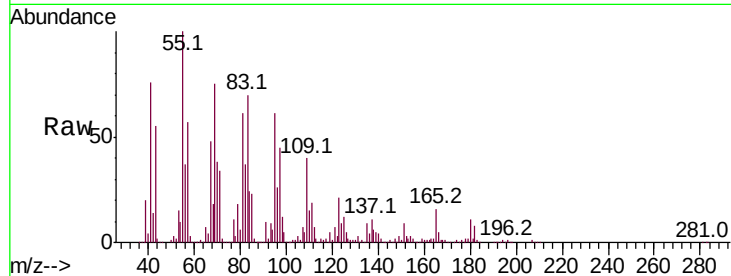




#96
 1,2,3-Trichlorobenzene
 Concen: 4.075 ug/l
 RT: 15.64 min Scan# 2305
 Delta R.T. 0.07 min
 Lab File: VW004791.D
 Acq: 20 Aug 2018 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 G.L.-WC-UST-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	73.7	47.3	142.0
145	19.0	15.4	46.1



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

