

Data File : VW004873.D
Acq On : 22 Aug 2018 07:02
Operator : SY/AP
Sample : J4271-13
Misc : 6.97G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-C

Quant Time: Aug 22 07:52:06 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	547049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	884528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	697535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	273336	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	301321	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.89	113	300498	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.33	98	771323	34.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.90%	
62) 4-Bromofluorobenzene	12.62	95	290357	36.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.14%	

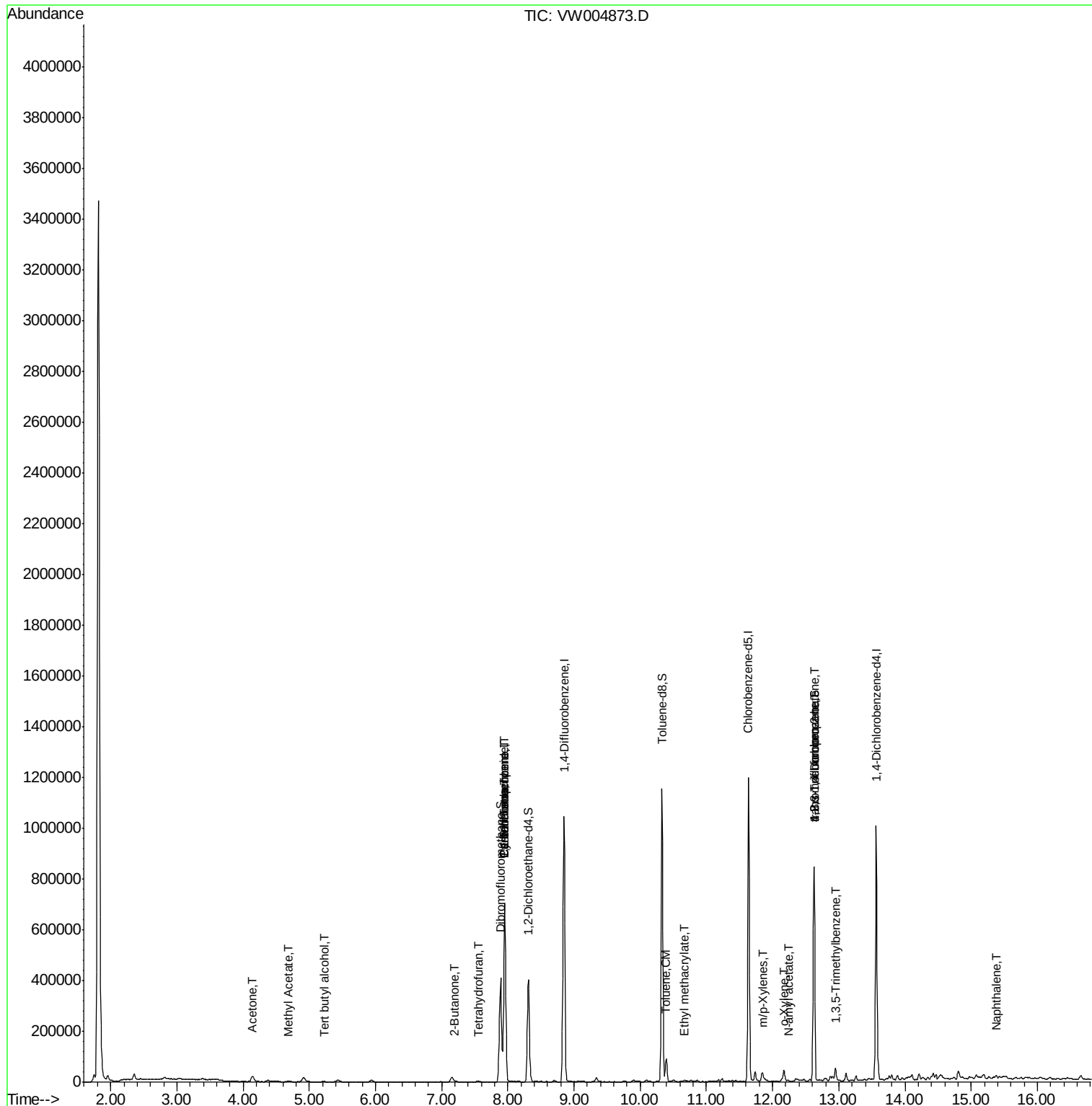
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.22	59	2157	7.300	ug/l #	72
16) Acetone	4.14	43	40261	29.820	ug/l	100
18) Methyl Acetate	4.68	43	3465	1.198	ug/l #	50
20) Methylene Chloride	4.92	84	12605	Below Cal		94
25) 2-Butanone	7.20	43	4063	2.112	ug/l	98
29) Tetrahydrofuran	7.56	42	1624	1.656	ug/l	92
31) Cyclohexane	7.95	56	11561	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	40215	4.413	ug/l #	48
38) Carbon Tetrachloride	7.95	117	49624	5.916	ug/l #	16
52) Toluene	10.40	92	37898	2.386	ug/l	100
56) Ethyl methacrylate	10.66	69	869	3.117	ug/l #	10
68) m/p-Xylenes	11.84	106	10389	1.049	ug/l	98
69) o-Xylene	12.17	106	10799	1.178	ug/l	99
74) N-amyl acetate	12.24	43	916	4.212	ug/l #	8
76) 1,2,3-Trichloropropane	12.62	75	136053	56.465	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	20572	1.302	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	136053	131.240	ug/l #	14
95) Naphthalene	15.38	128	11982	4.496	ug/l	95

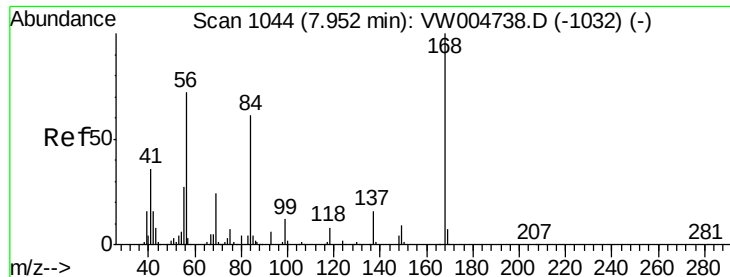
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

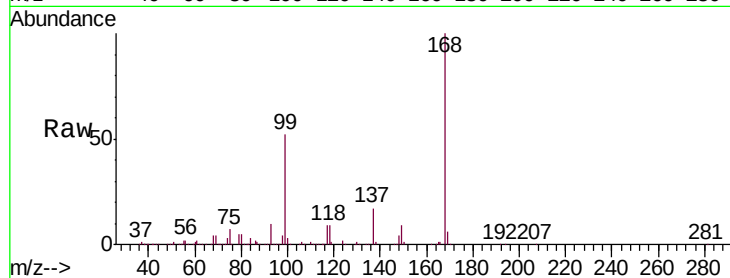
HR-06-082018-C

Tgt Ion:168 Resp: 547049

Ion Ratio Lower Upper

168 100

99 52.3 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

250000

200000

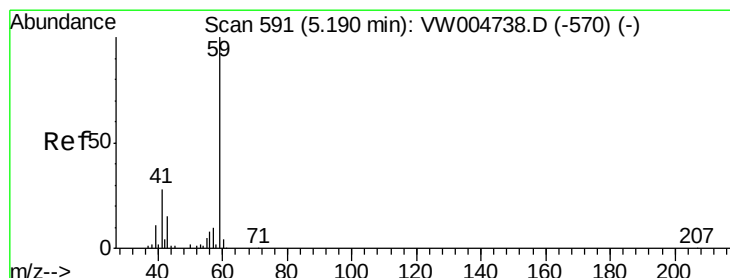
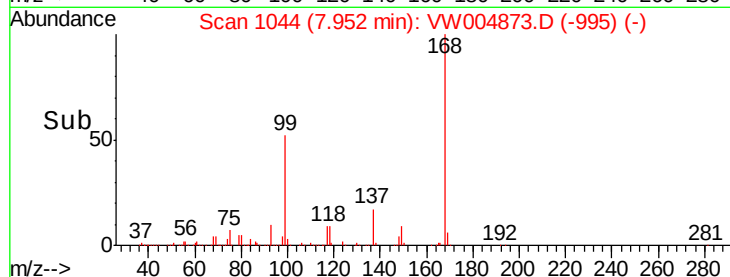
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 7.300 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.03 min

Lab File: VW004873.D

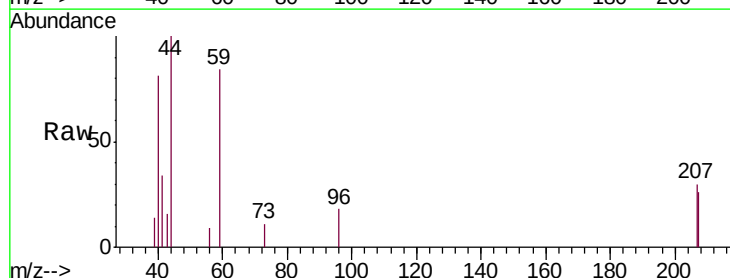
Acq: 22 Aug 2018 07:02

Tgt Ion: 59 Resp: 2157

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

500

400

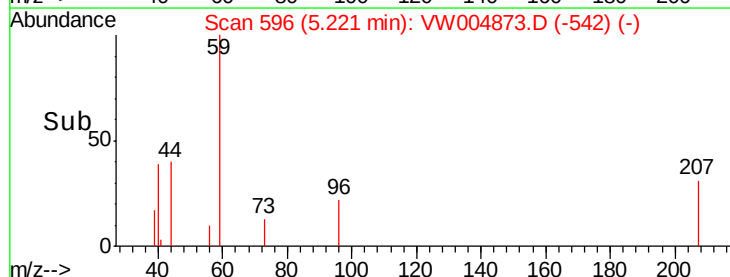
300

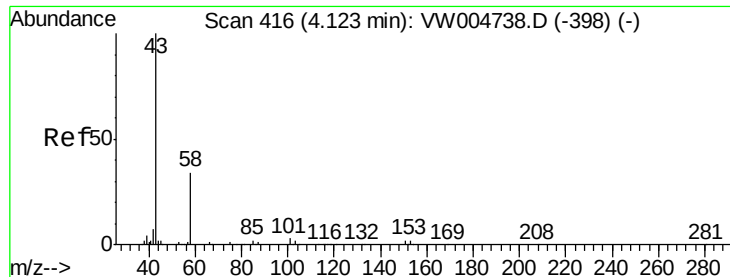
200

100

0

Time--> 5.10 5.20 5.30





#16

Acetone

Concen: 29.820 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

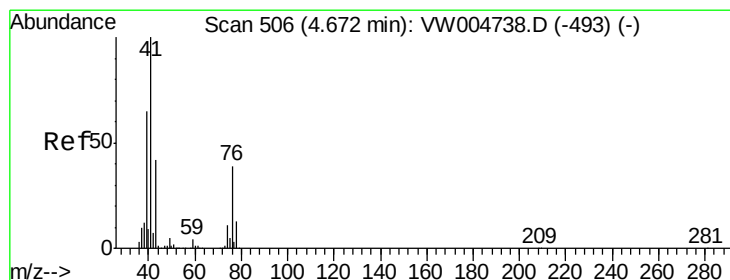
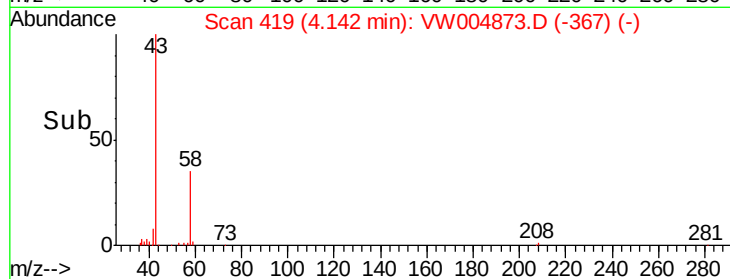
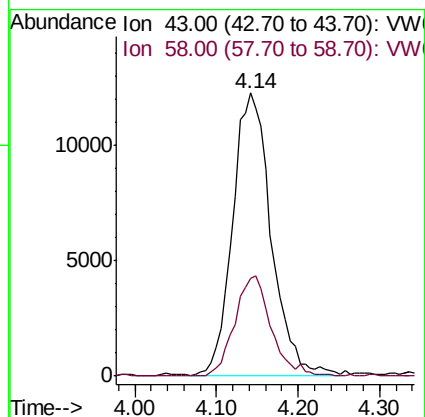
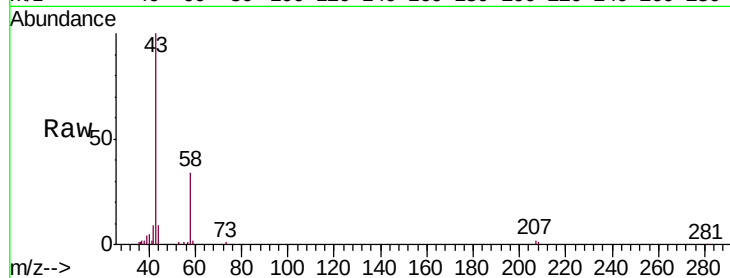
HR-06-082018-C

Tgt Ion: 43 Resp: 40261

Ion Ratio Lower Upper

43 100

58 34.3 27.3 40.9



#18

Methyl Acetate

Concen: 1.198 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004873.D

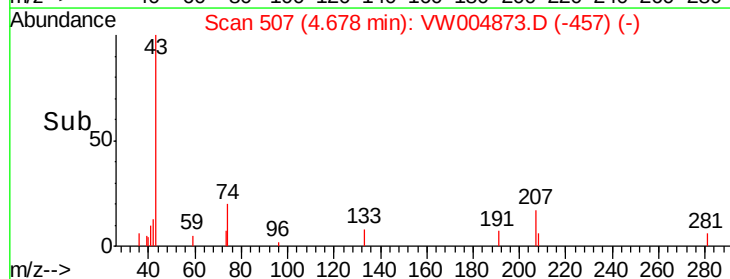
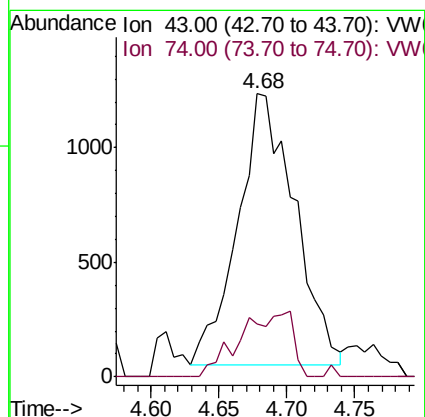
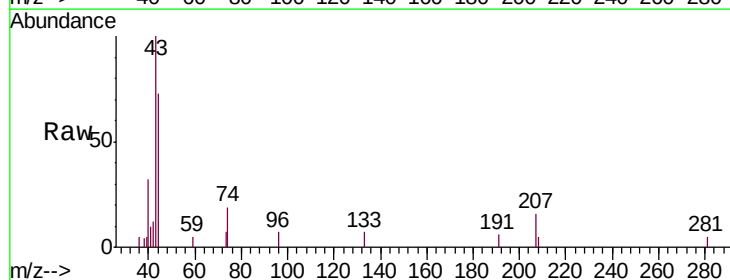
Acq: 22 Aug 2018 07:02

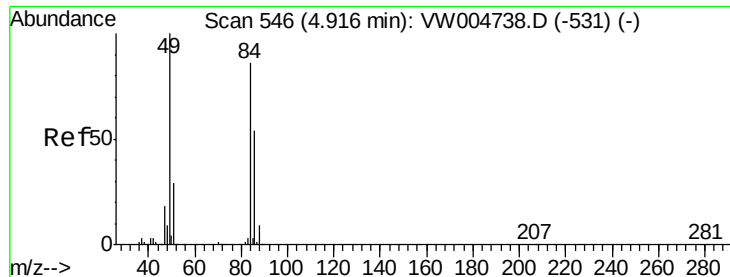
Tgt Ion: 43 Resp: 3465

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#

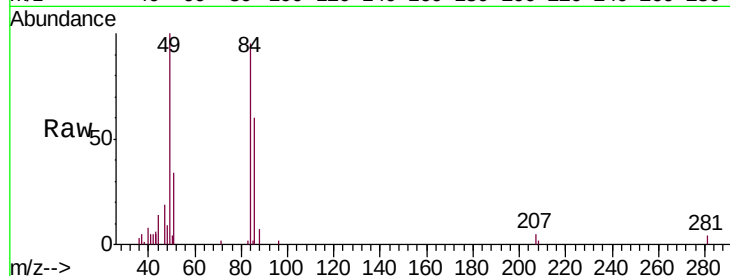




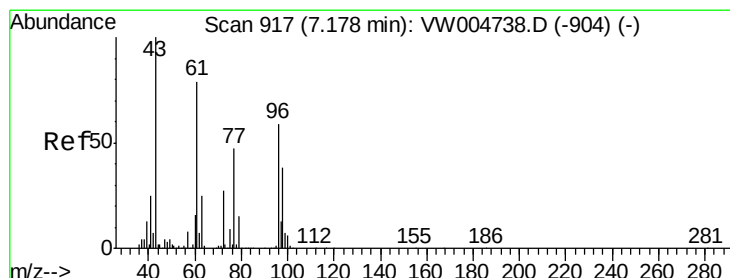
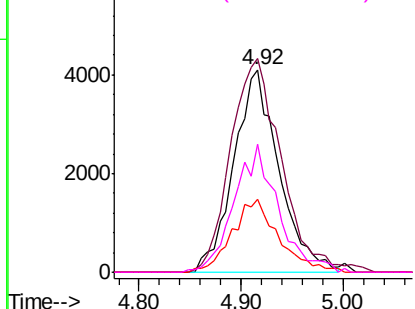
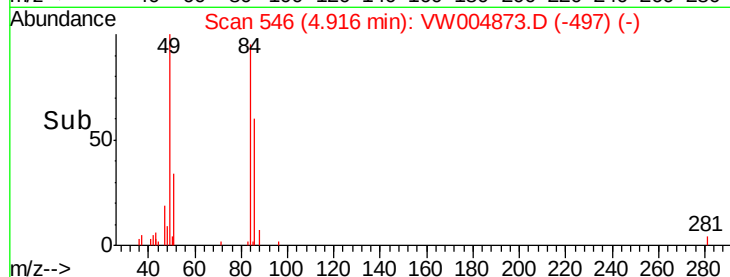
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-C

Tgt Ion: 84 Resp: 12605
Ion Ratio Lower Upper
84 100
49 105.4 93.2 139.8
51 36.1 27.4 41.0
86 63.5 50.6 75.8

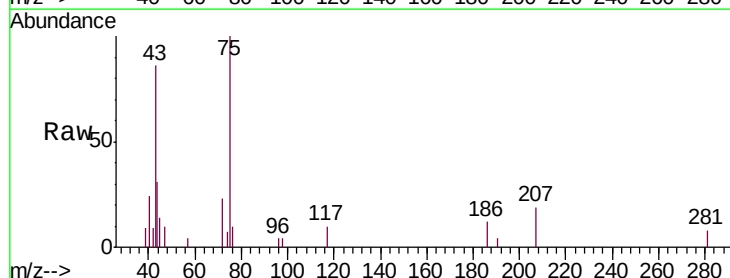


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

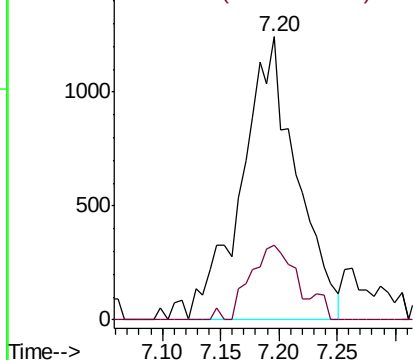
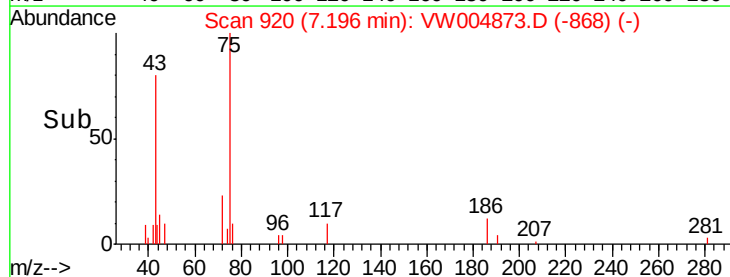


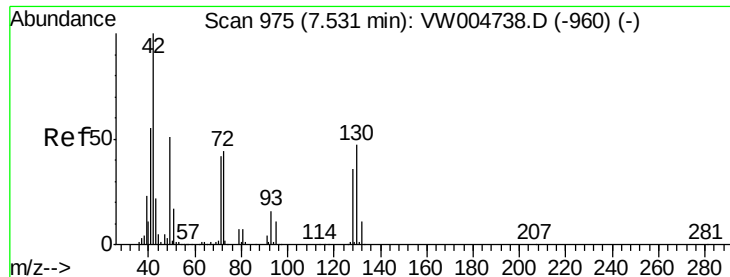
#25
2-Butanone
Concen: 2.112 ug/l
RT: 7.20 min Scan# 920
Delta R.T. 0.02 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

Tgt Ion: 43 Resp: 4063
Ion Ratio Lower Upper
43 100
72 26.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.656 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-C

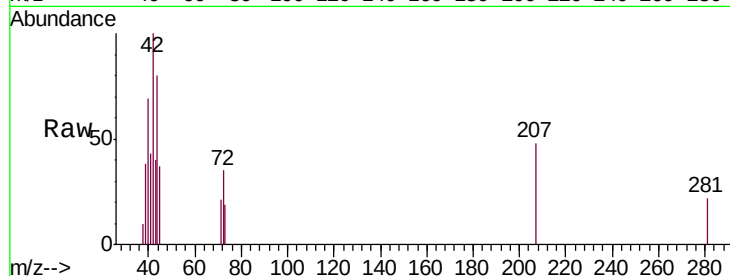
Tgt Ion: 42 Resp: 1624

Ion Ratio Lower Upper

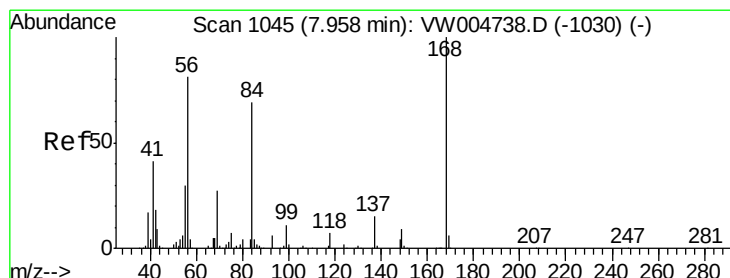
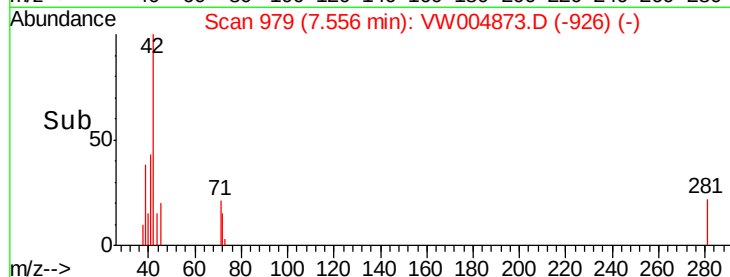
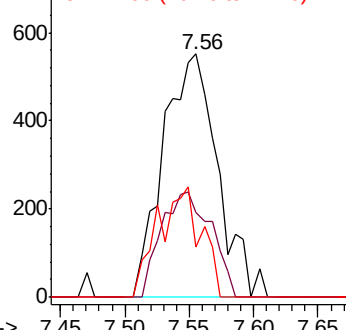
42 100

72 39.8 34.9 52.3

71 36.1 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



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

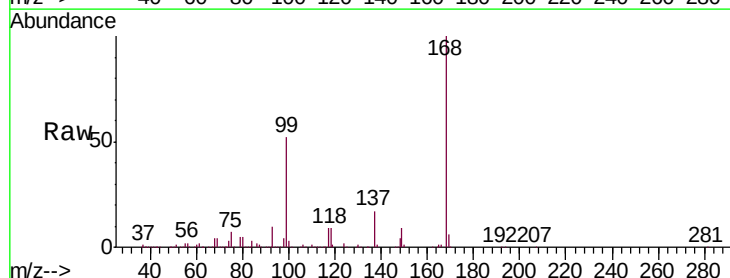
Tgt Ion: 56 Resp: 11561

Ion Ratio Lower Upper

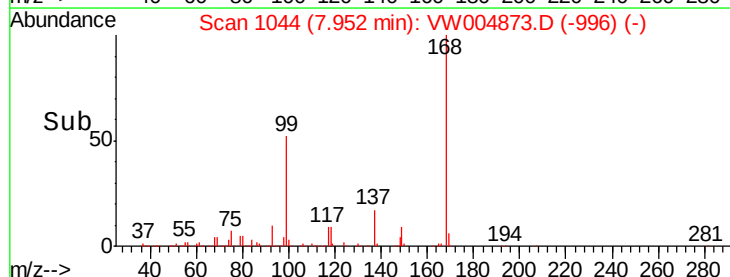
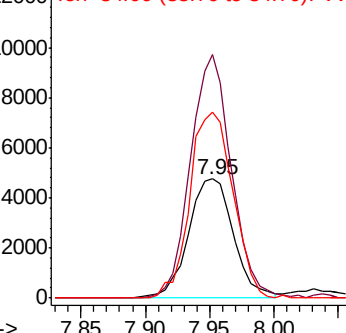
56 100

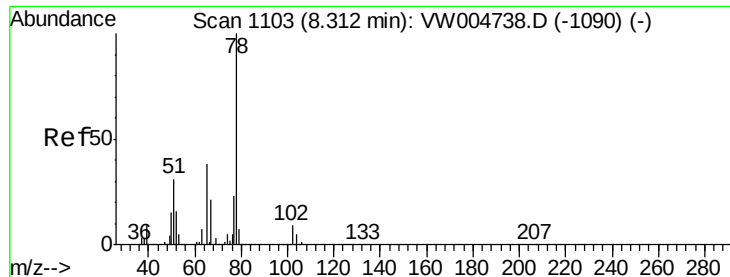
69 204.8 27.1 40.7#

84 156.0 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

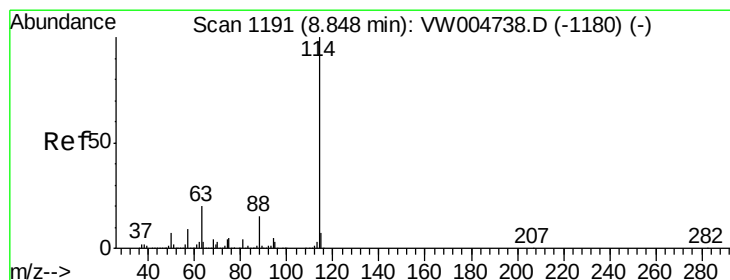
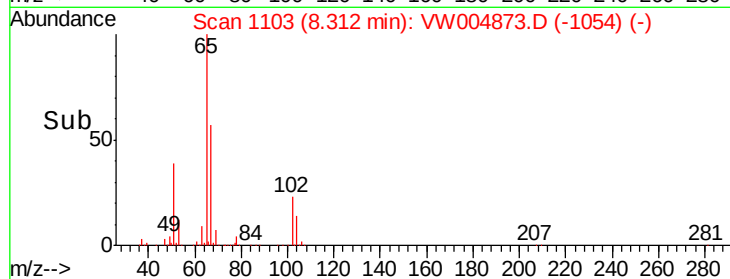
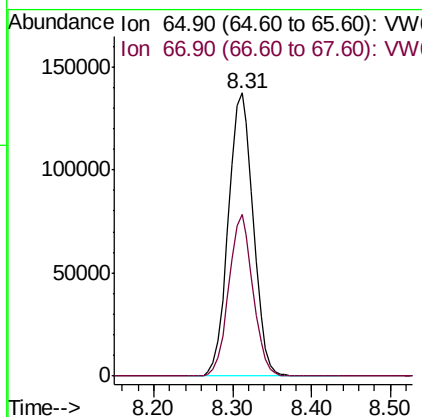
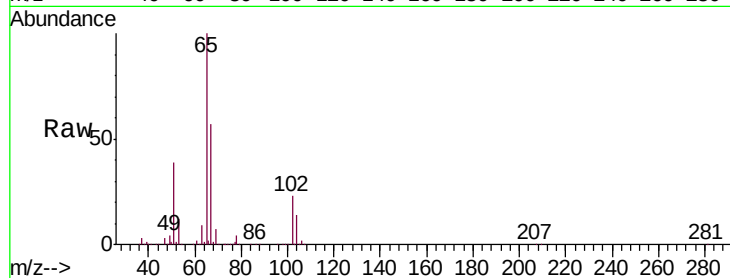




#33
 1,2-Dichloroethane-d4
 Concen: 56.972 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

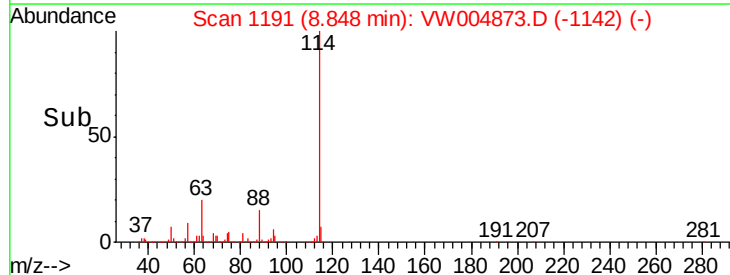
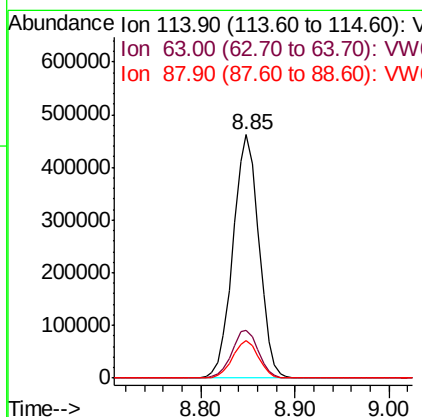
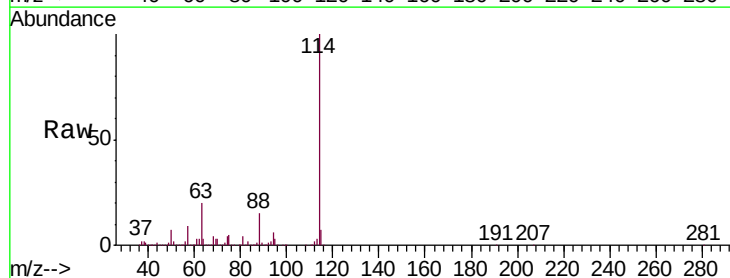
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-C

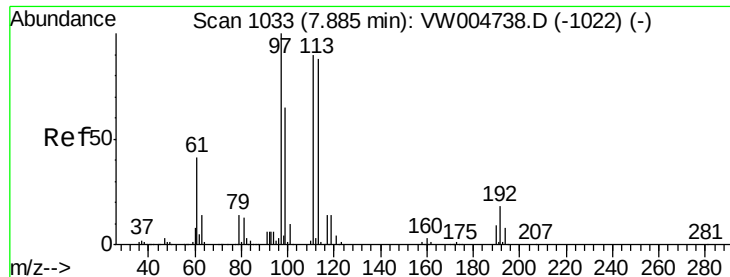
Tgt Ion: 65 Resp: 301321
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

Tgt Ion: 114 Resp: 884528
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.0

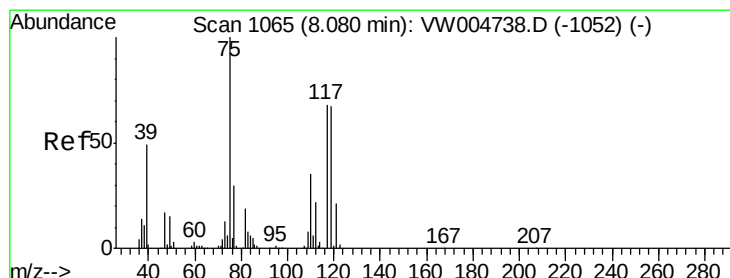
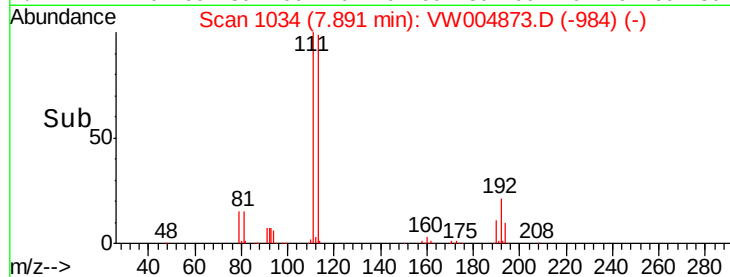
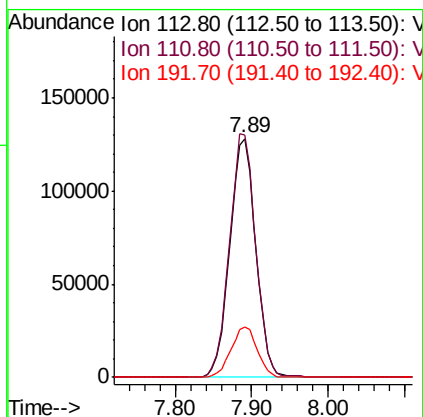
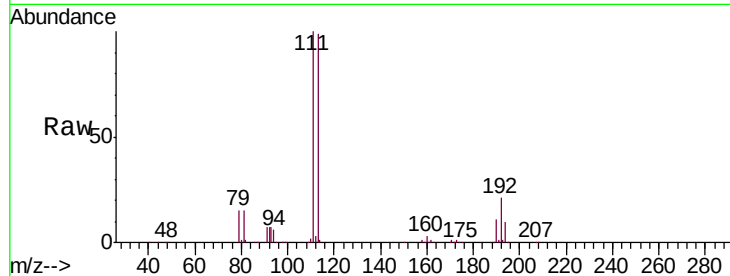




#35
 Dibromofluoromethane
 Concen: 53.154 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

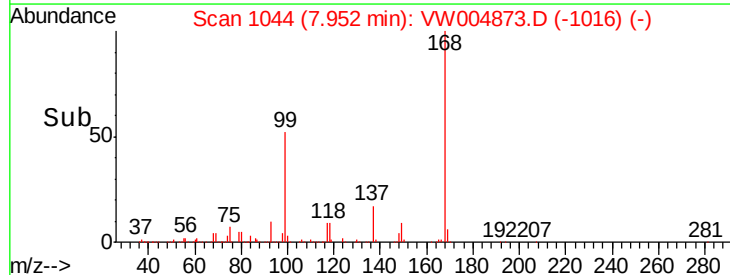
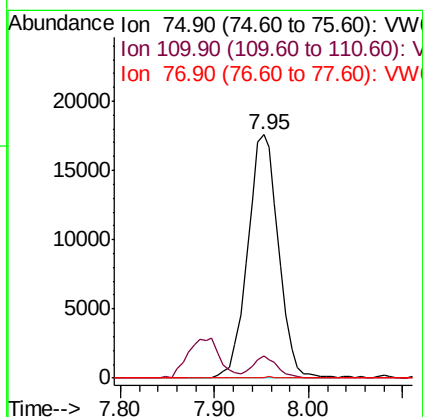
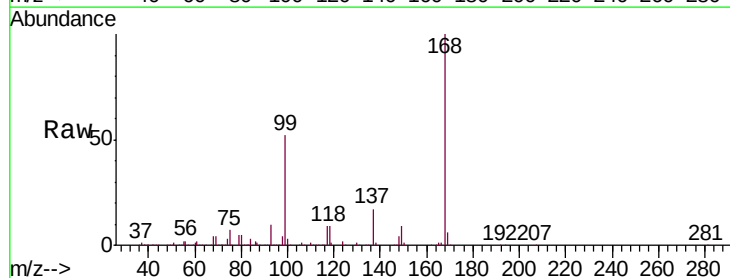
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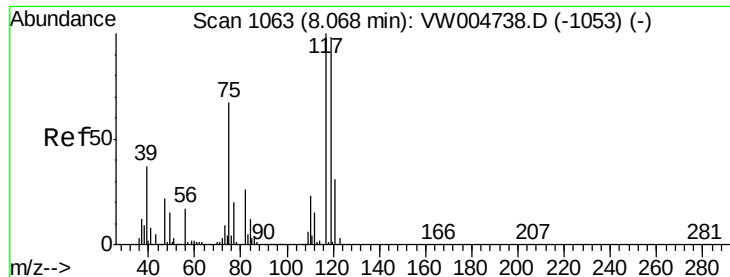
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	21.3	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.413 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.8	53.5#
77	0.0	24.9	37.3#

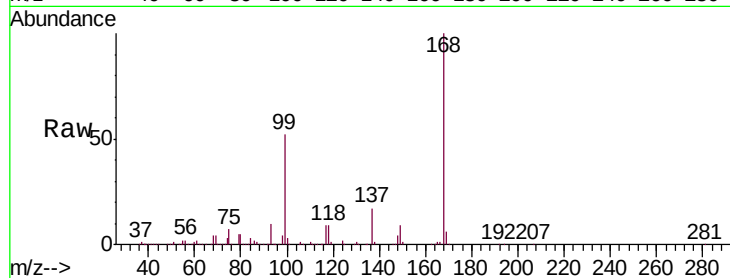




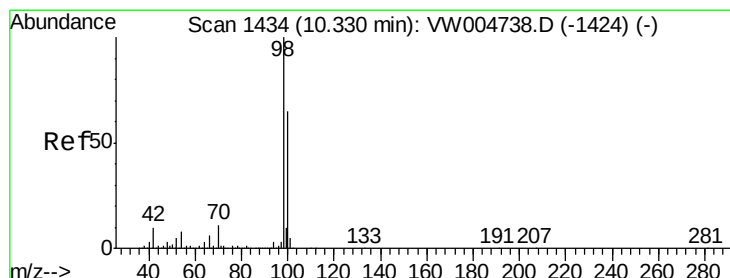
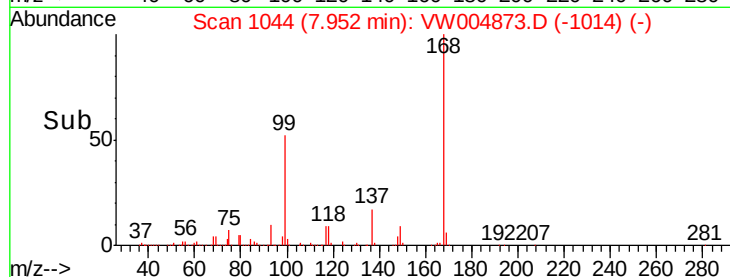
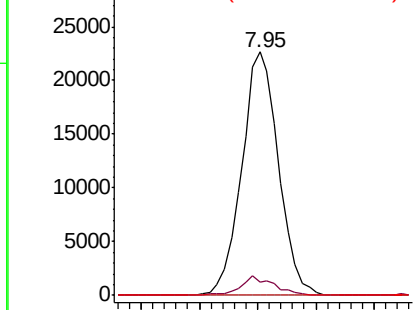
#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-C

Tgt Ion:117 Resp: 49624
Ion Ratio Lower Upper
117 100
119 5.7 78.0 117.0#
121 0.0 24.8 37.2#

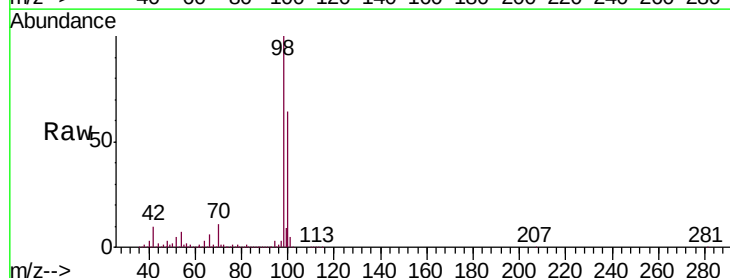


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

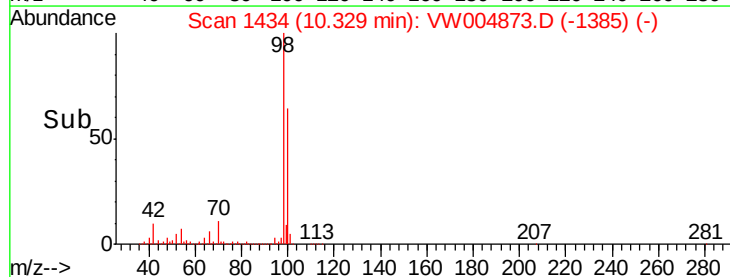
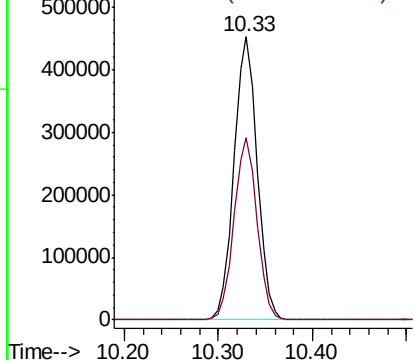


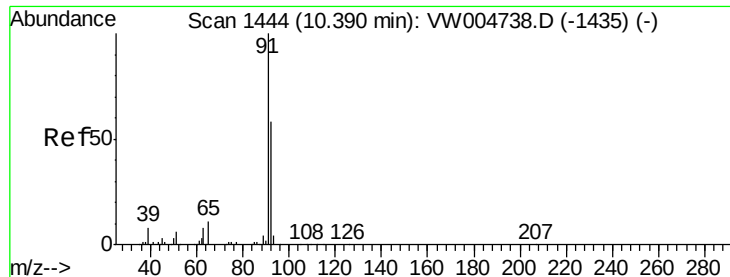
#50
Toluene-d8
Concen: 34.952 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

Tgt Ion: 98 Resp: 771323
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.386 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

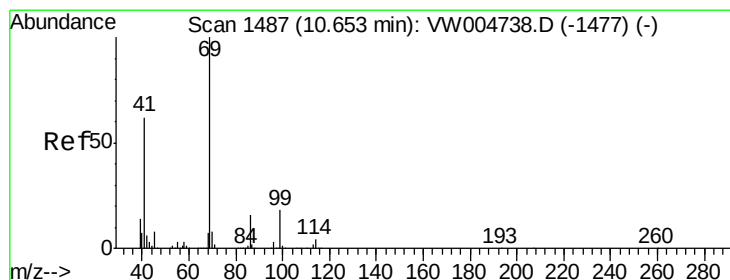
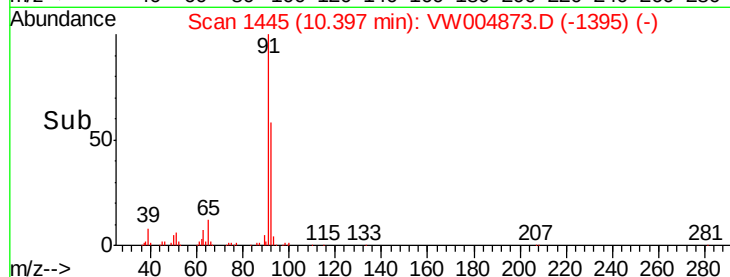
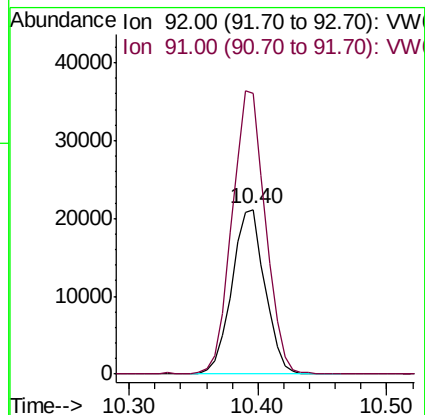
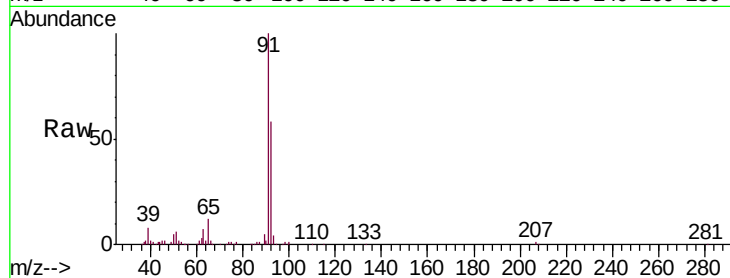
HR-06-082018-C

Tgt Ion: 92 Resp: 37898

Ion Ratio Lower Upper

92 100

91 173.1 138.3 207.5



#56

Ethyl methacrylate

Concen: 3.117 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

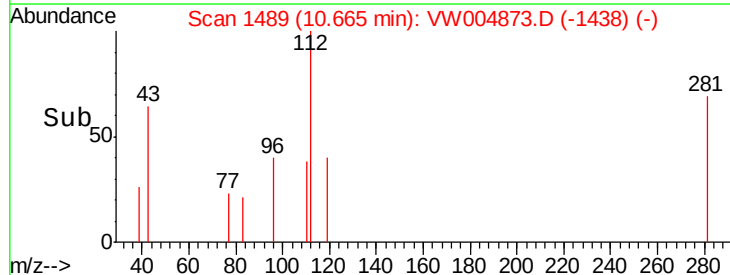
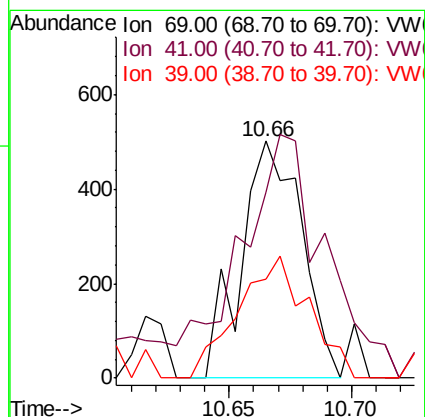
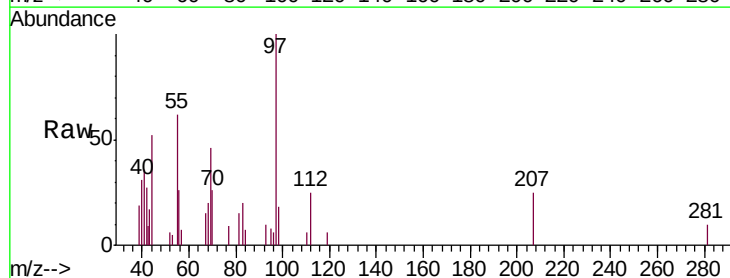
Tgt Ion: 69 Resp: 869

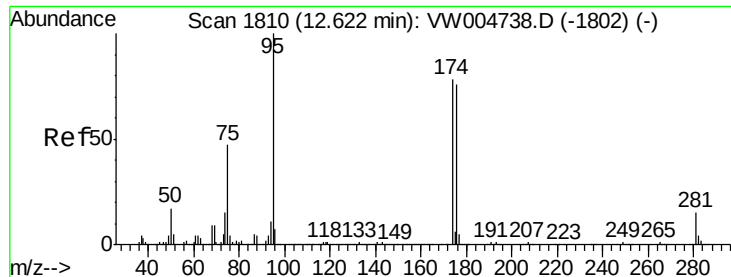
Ion Ratio Lower Upper

69 100

41 142.0 50.7 76.1#

39 59.6 21.4 32.2#

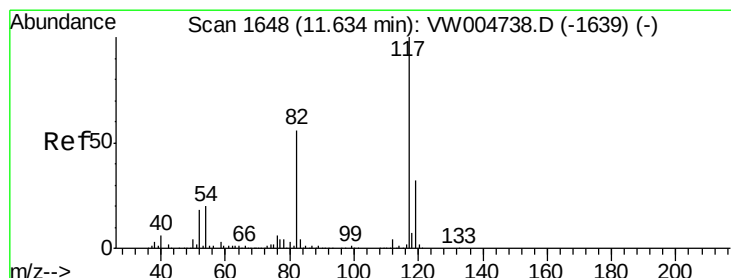
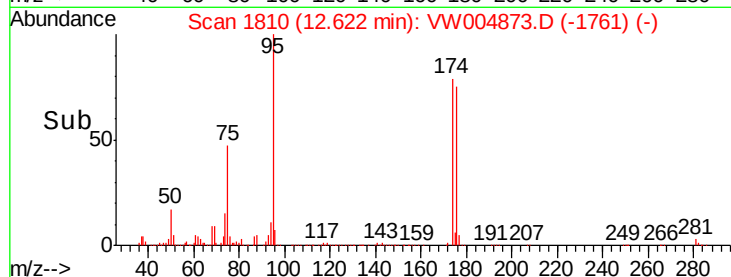
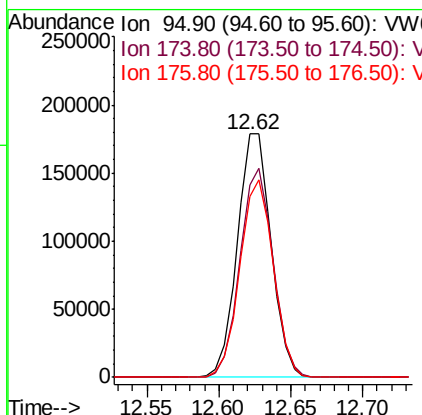
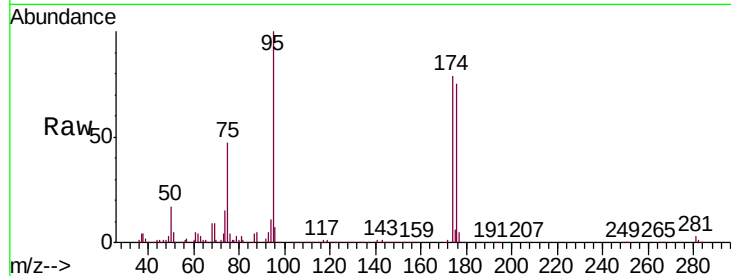




#62
4-Bromofluorobenzene
Concen: 36.572 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

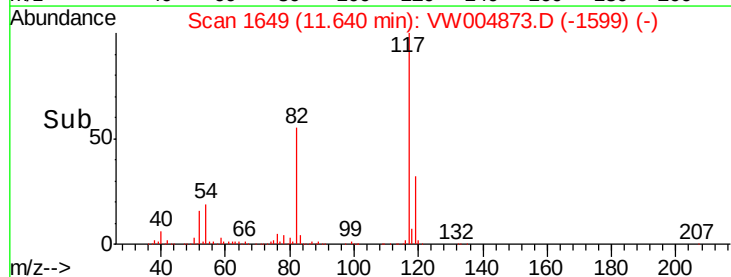
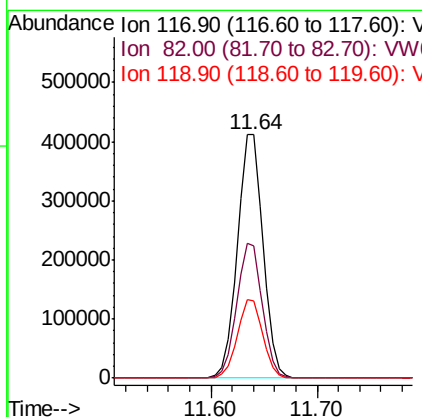
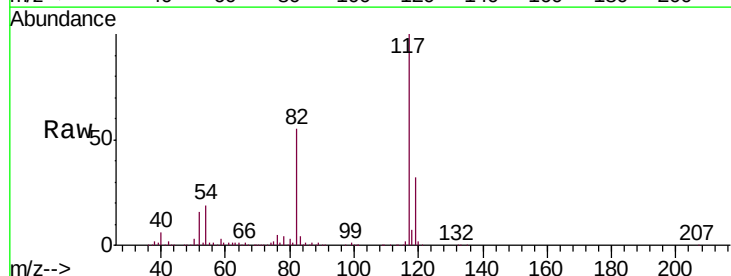
Instrument :
MSVOA_W
ClientSampleId :
HR-06-082018-C

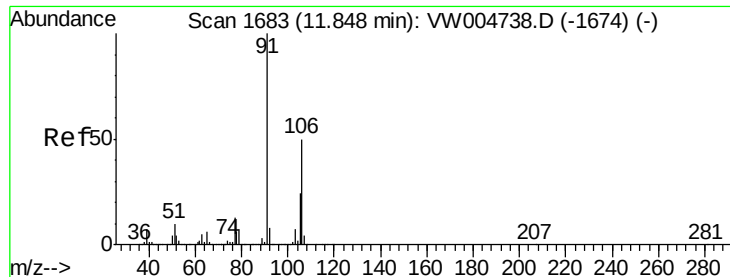
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	165.8
176	80.7	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004873.D
Acq: 22 Aug 2018 07:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	67.0
119	31.8	25.6	38.4





#68

m/p-Xylenes

Concen: 1.049 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

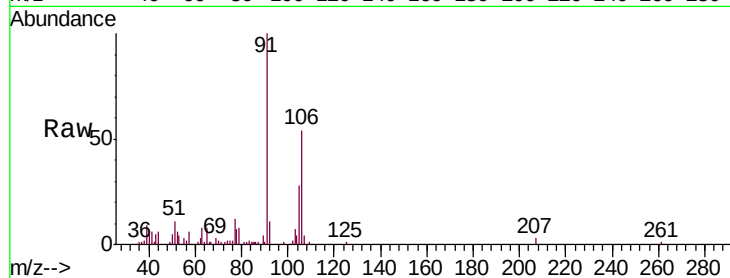
HR-06-082018-C

Tgt Ion:106 Resp: 10389

Ion Ratio Lower Upper

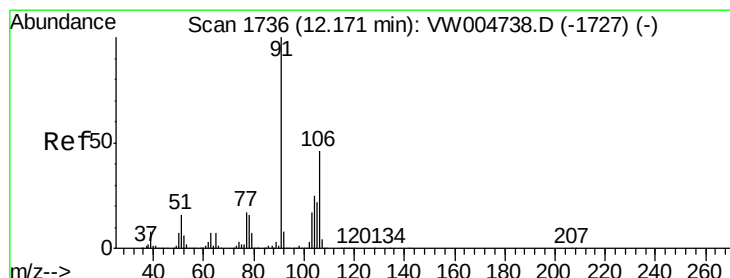
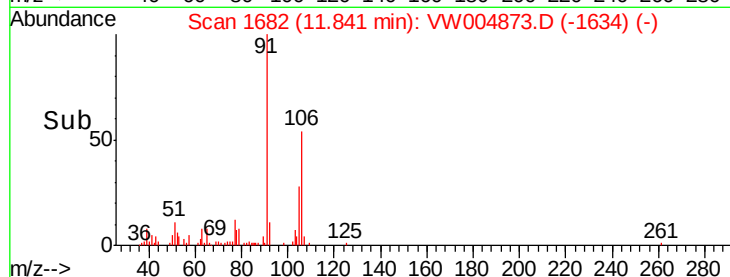
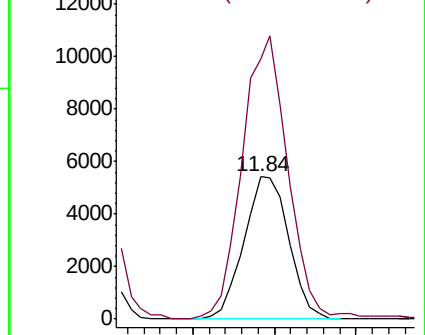
106 100

91 202.9 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 1.178 ug/l

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004873.D

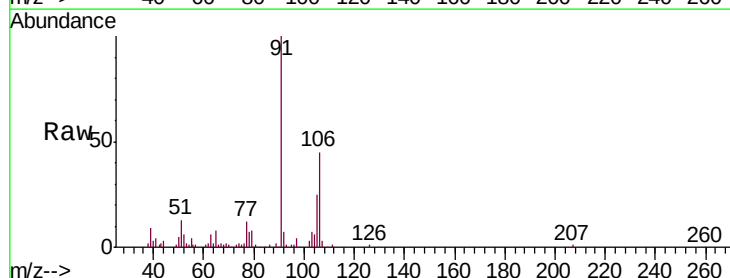
Acq: 22 Aug 2018 07:02

Tgt Ion:106 Resp: 10799

Ion Ratio Lower Upper

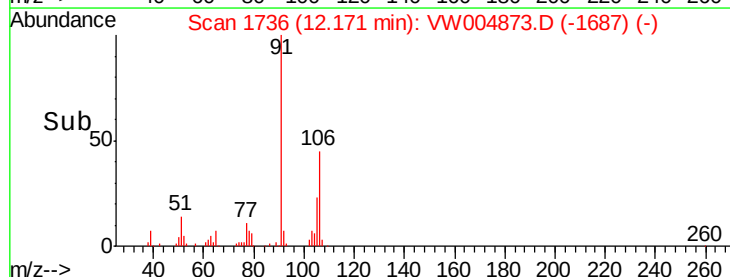
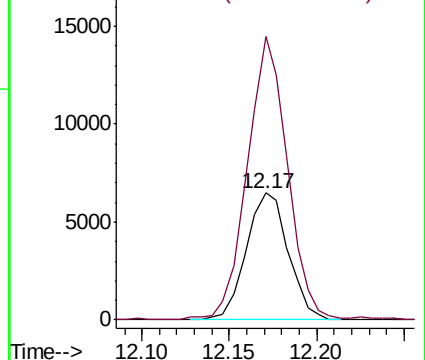
106 100

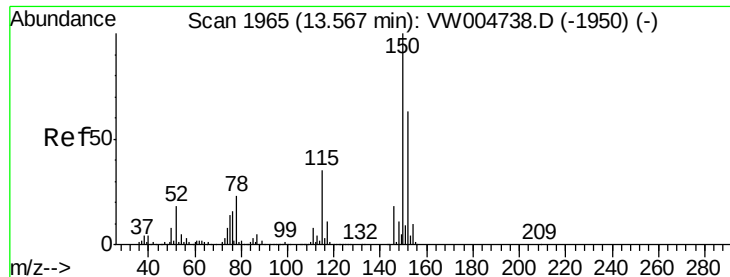
91 213.6 107.3 321.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

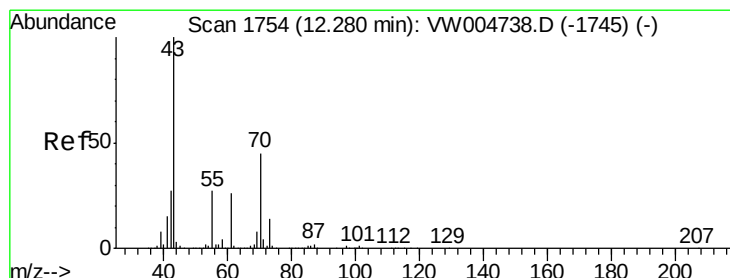
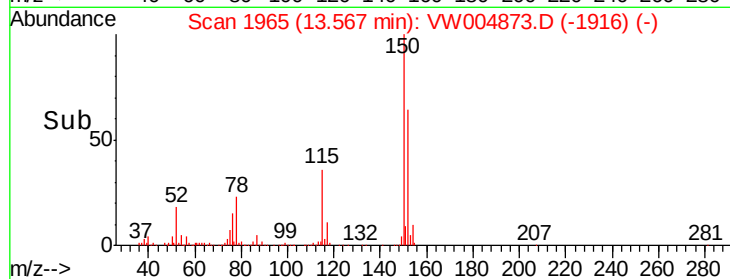
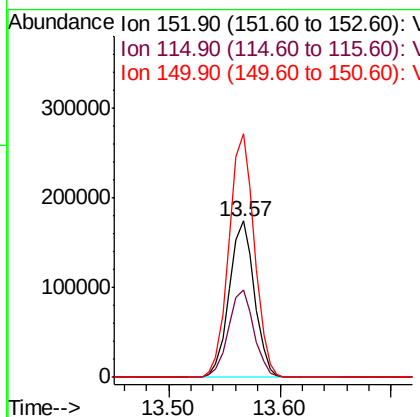
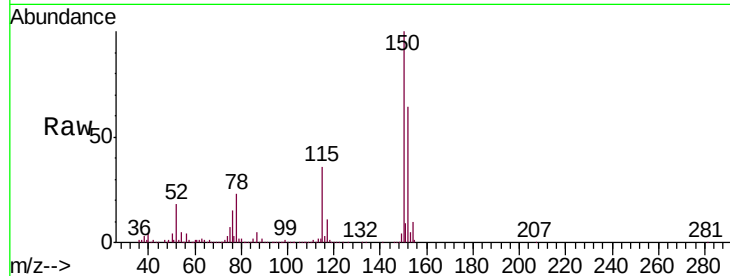




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

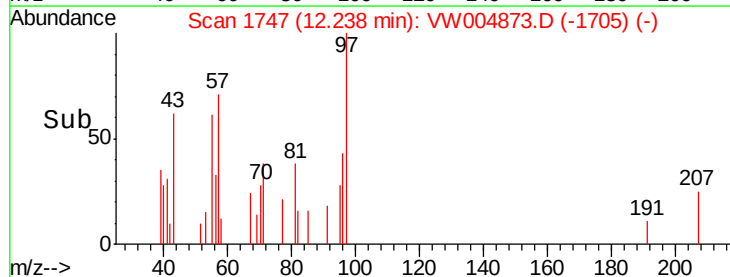
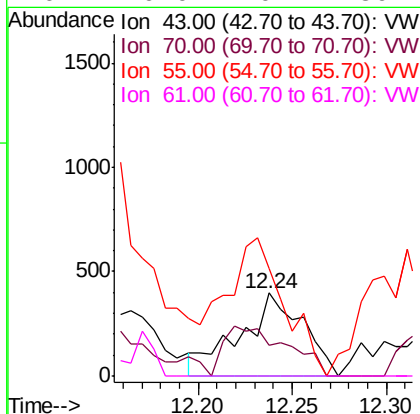
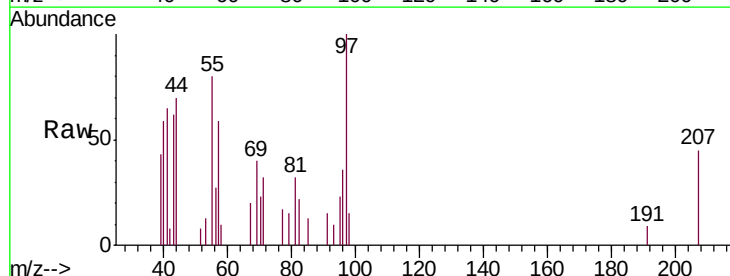
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-082018-C

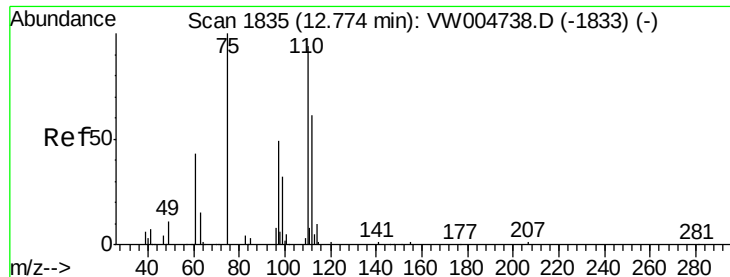
Tgt Ion:152 Resp: 273336
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.5 85.5
 150 156.9 0.0 344.8



#74
 N-ethyl acetate
 Concen: 4.212 ug/l
 RT: 12.24 min Scan# 1747
 Delta R.T. -0.04 min
 Lab File: VW004873.D
 Acq: 22 Aug 2018 07:02

Tgt Ion: 43 Resp: 916
 Ion Ratio Lower Upper
 43 100
 70 60.4 36.3 54.5#
 55 156.2 22.6 33.8#
 61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 56.465 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

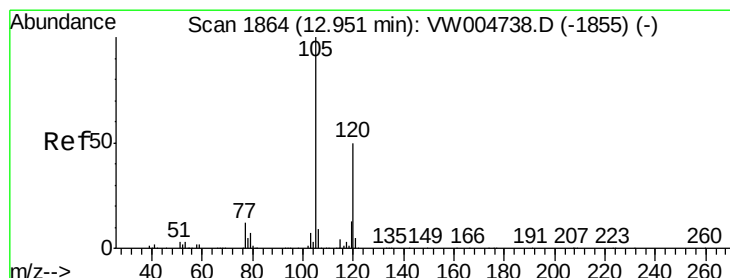
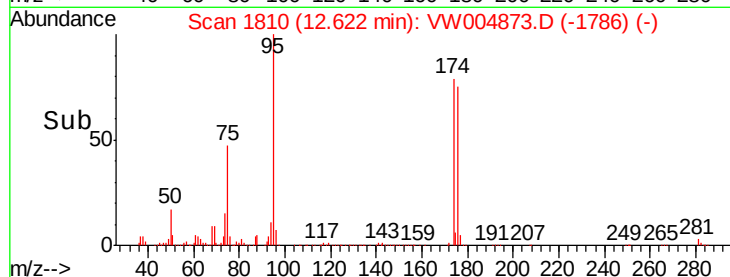
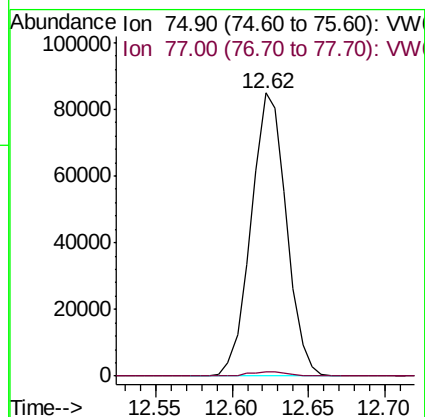
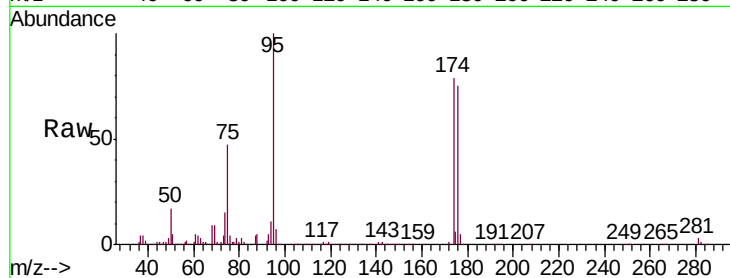
HR-06-082018-C

Tgt Ion: 75 Resp: 136053

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.302 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004873.D

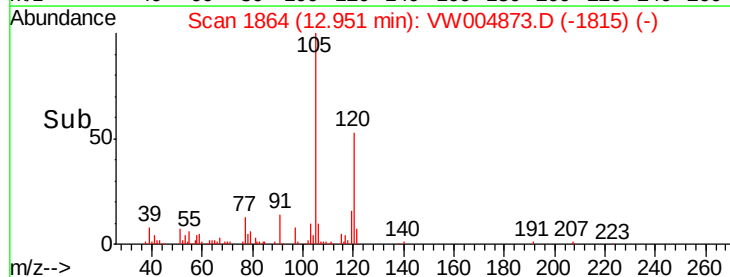
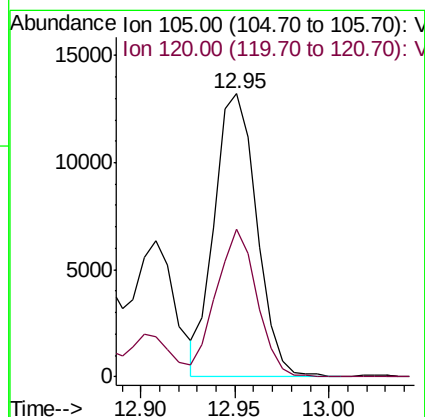
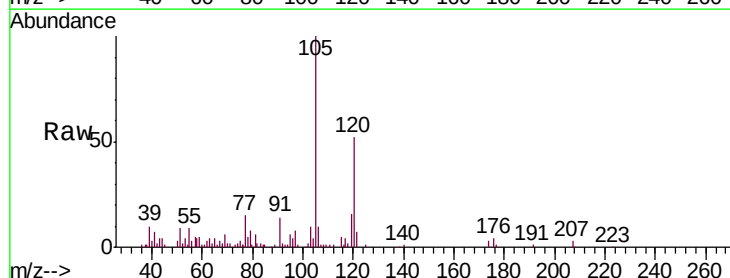
Acq: 22 Aug 2018 07:02

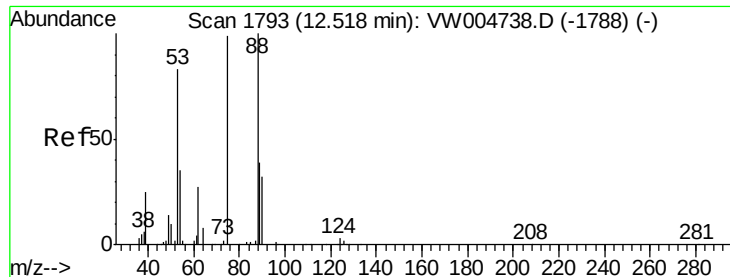
Tgt Ion: 105 Resp: 20572

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 131.240 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

HR-06-082018-C

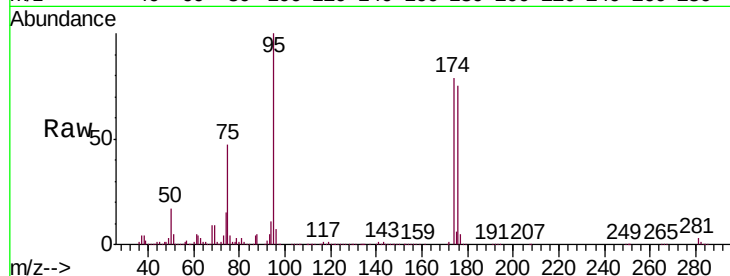
Tgt Ion: 75 Resp: 136053

Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

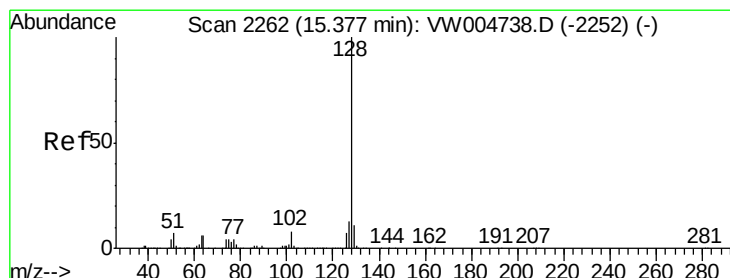
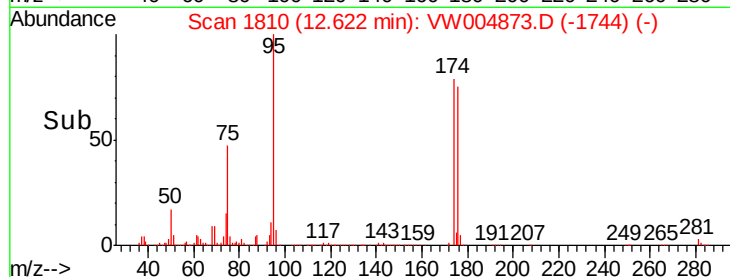
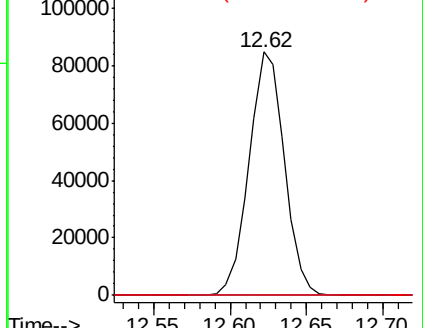
89 0.1 35.2 52.8#



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



#95

Naphthalene

Concen: 4.496 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004873.D

Acq: 22 Aug 2018 07:02

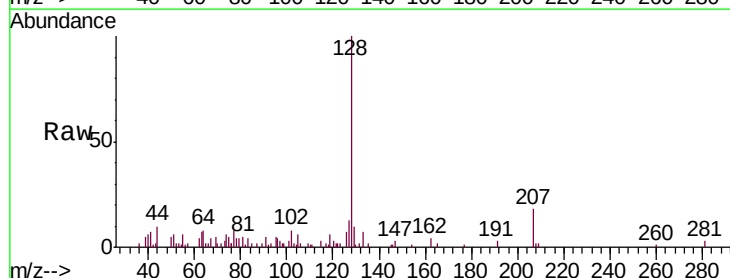
Tgt Ion: 128 Resp: 11982

Ion Ratio Lower Upper

128 100

127 14.6 10.4 15.6

129 8.9 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

