

Data File : VW004874.D
Acq On : 22 Aug 2018 07:28
Operator : SY/AP
Sample : J4276-03
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OK-01-082118

Quant Time: Aug 22 08:33:30 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	467205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	778374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	493696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	252020	55.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.58%	
35) Dibromofluoromethane	7.89	113	251286	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.33	98	531242	27.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.72%	
62) 4-Bromofluorobenzene	12.62	95	181262	25.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.88%	

Target Compounds

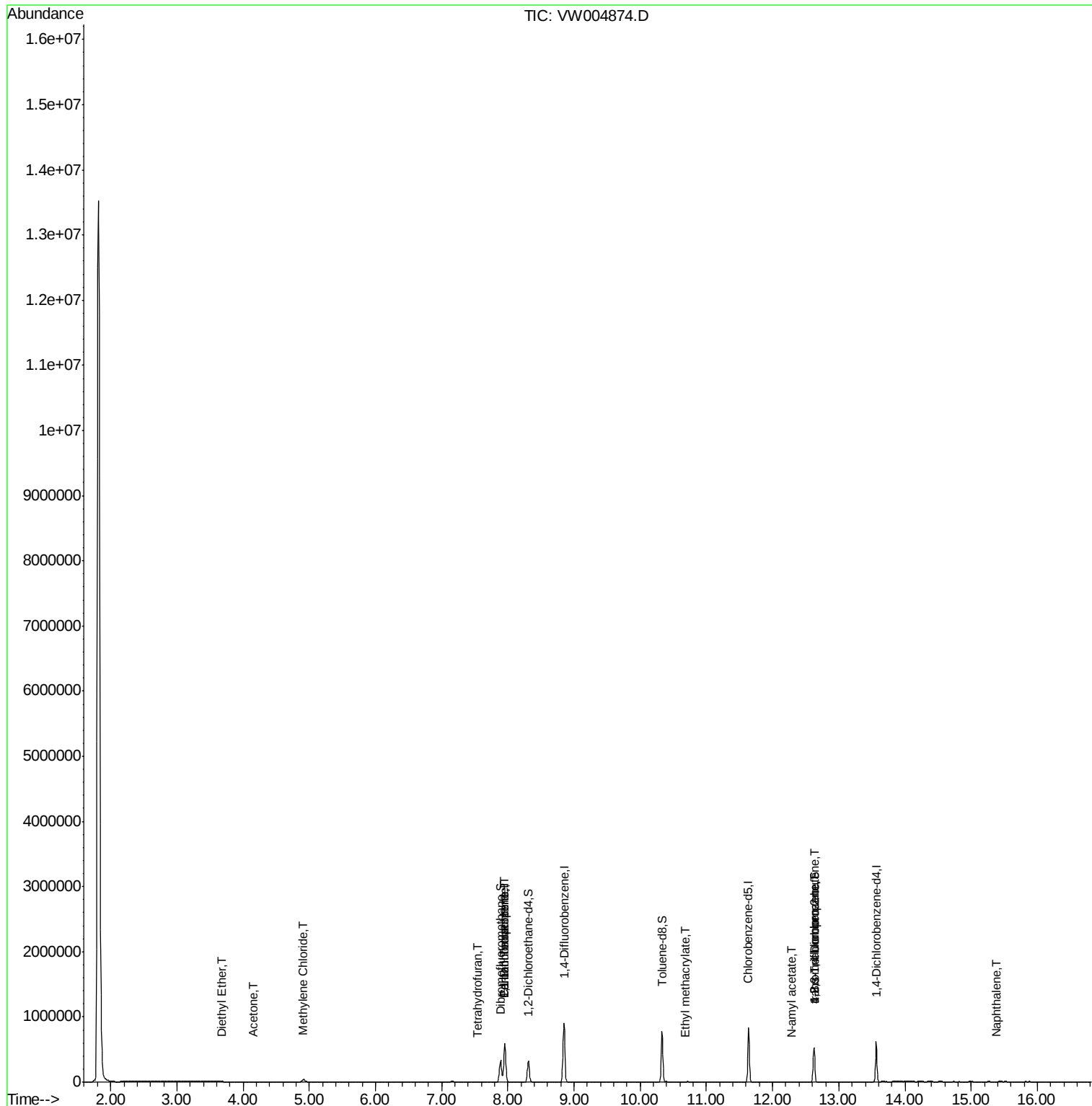
						Qvalue
8) Diethyl Ether	3.68	74	6333	2.496	ug/l	91
16) Acetone	4.14	43	3693	3.203	ug/l #	79
20) Methylene Chloride	4.91	84	32902	2.116	ug/l	91
29) Tetrahydrofuran	7.54	42	913	1.090	ug/l #	84
36) 1,1-Dichloropropene	7.95	75	34497	4.302	ug/l #	48
38) Carbon Tetrachloride	7.95	117	42287	5.729	ug/l #	15
56) Ethyl methacrylate	10.68	69	62	2.991	ug/l #	57
74) N-amyl acetate	12.28	43	110	4.057	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	84928	57.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84928	132.764	ug/l #	14
95) Naphthalene	15.38	128	1461	3.703	ug/l	97

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

Data File : VW004874.D
Acq On : 22 Aug 2018 07:28
Operator : SY/AP
Sample : J4276-03
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OK-01-082118

Quant Time: Aug 22 08:33:30 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

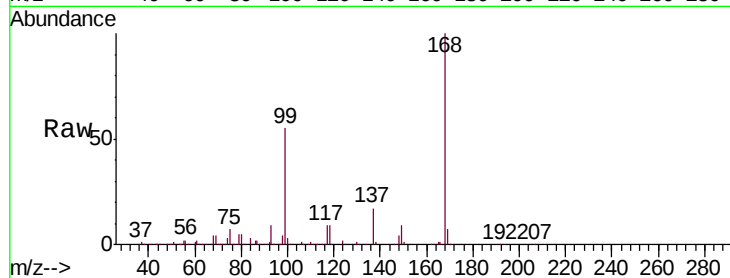
OK-01-082118

Tgt Ion:168 Resp: 467205

Ion Ratio Lower Upper

168 100

99 54.7 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

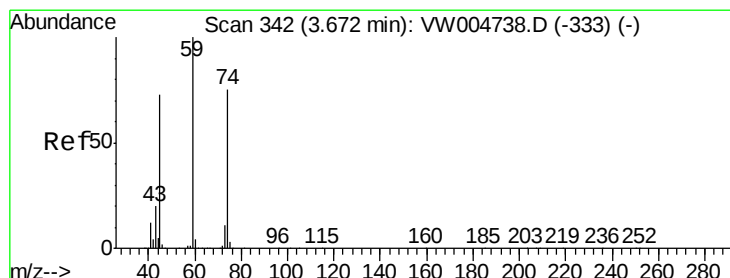
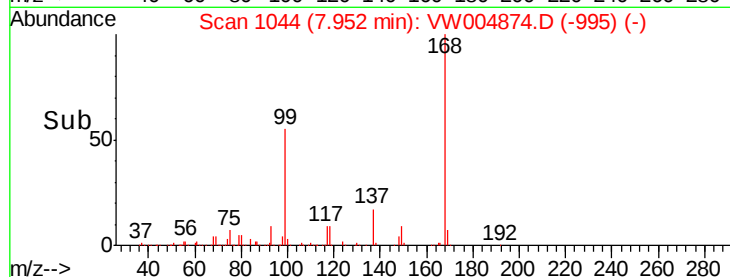
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.496 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004874.D

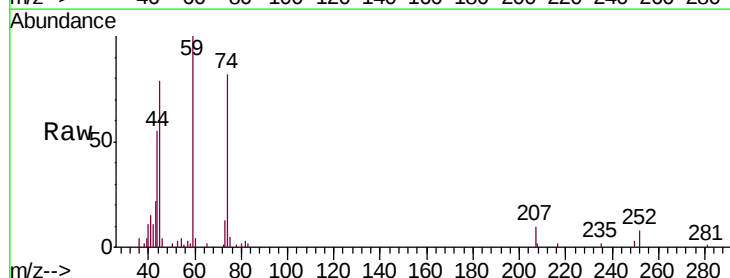
Acq: 22 Aug 2018 07:28

Tgt Ion: 74 Resp: 6333

Ion Ratio Lower Upper

74 100

45 108.5 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

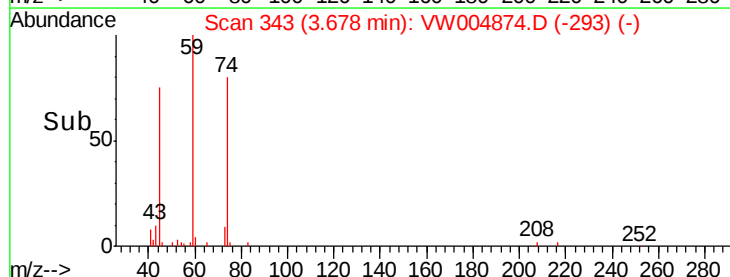
3000

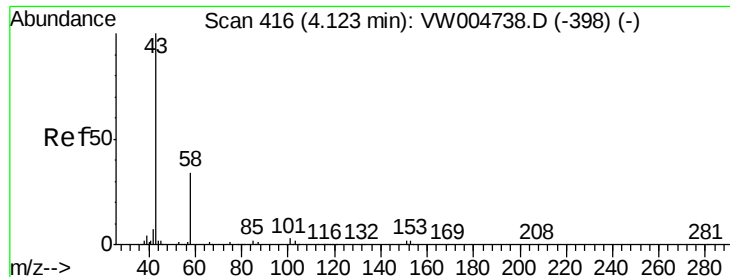
2000

1000

0

Time--> 3.60 3.65 3.70 3.75

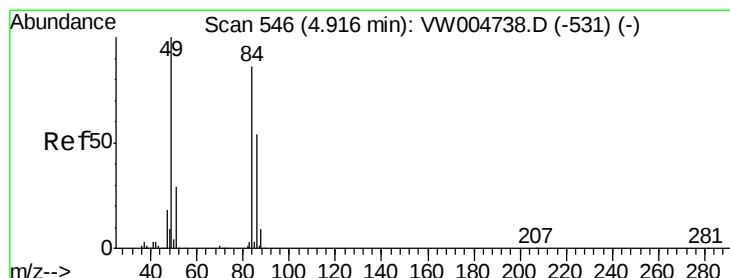
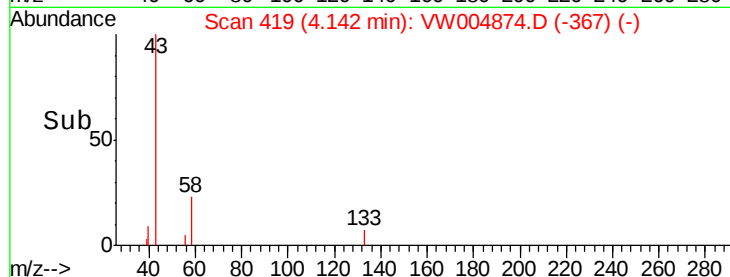
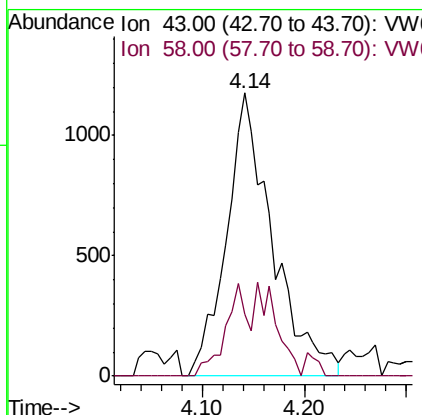
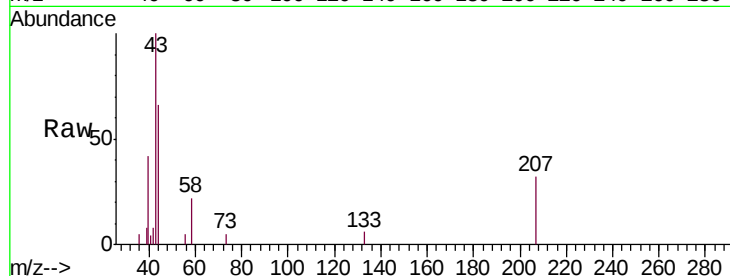




#16
Acetone
Concen: 3.203 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004874.D
Acq: 22 Aug 2018 07:28

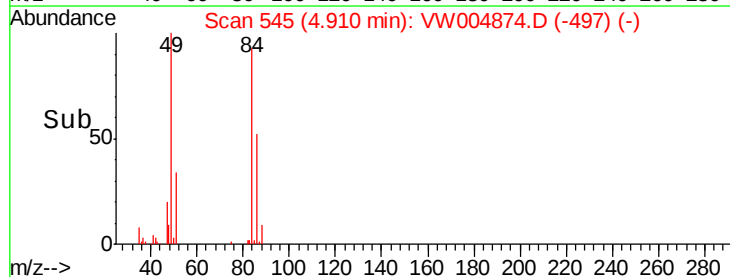
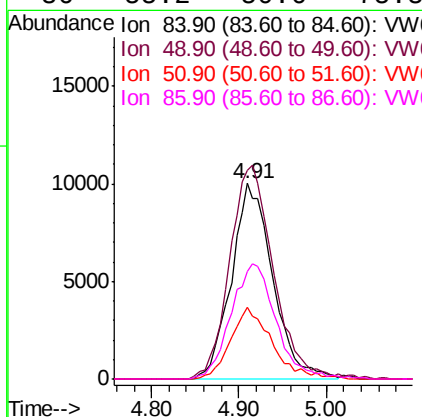
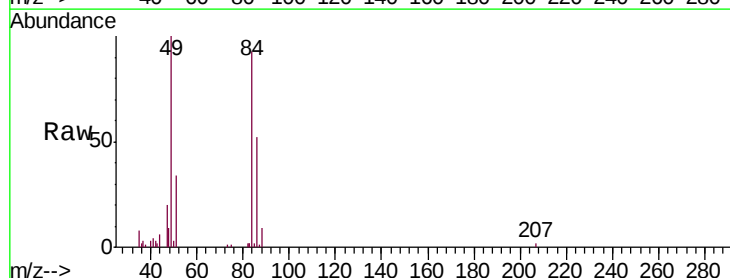
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082118

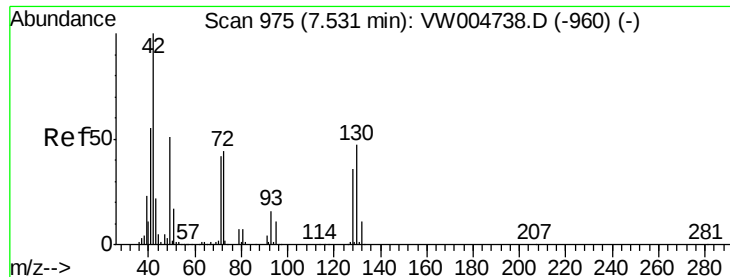
Tgt Ion: 43 Resp: 3693
Ion Ratio Lower Upper
43 100
58 22.0 27.3 40.9#



#20
Methylene Chloride
Concen: 2.116 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004874.D
Acq: 22 Aug 2018 07:28

Tgt Ion: 84 Resp: 32902
Ion Ratio Lower Upper
84 100
49 107.0 93.2 139.8
51 36.7 27.4 41.0
86 55.2 50.6 75.8





#29

Tetrahydrofuran

Concen: 1.090 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

OK-01-082118

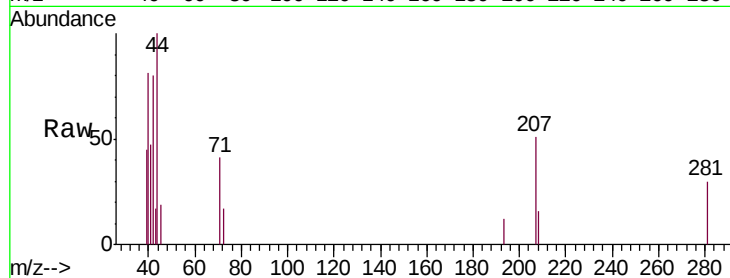
Tgt Ion: 42 Resp: 913

Ion Ratio Lower Upper

42 100

72 30.4 34.9 52.3#

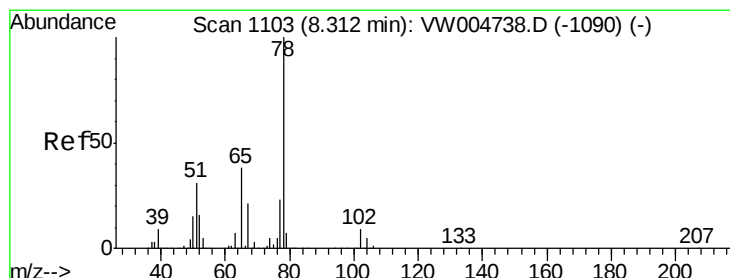
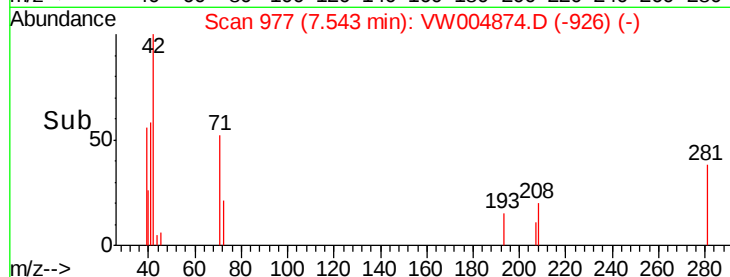
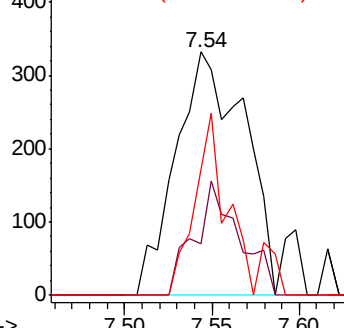
71 34.5 33.8 50.6



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



#33

1,2-Dichloroethane-d4

Concen: 55.794 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004874.D

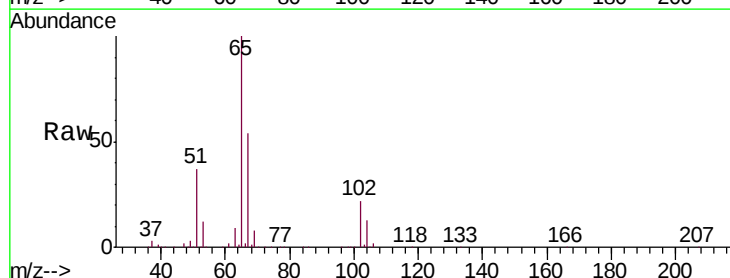
Acq: 22 Aug 2018 07:28

Tgt Ion: 65 Resp: 252020

Ion Ratio Lower Upper

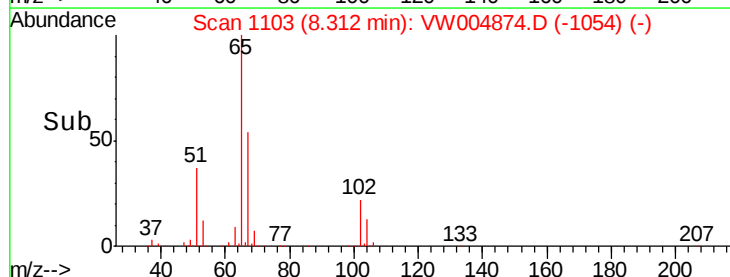
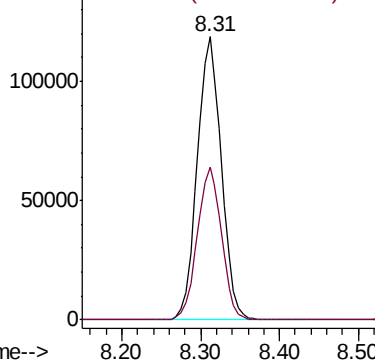
65 100

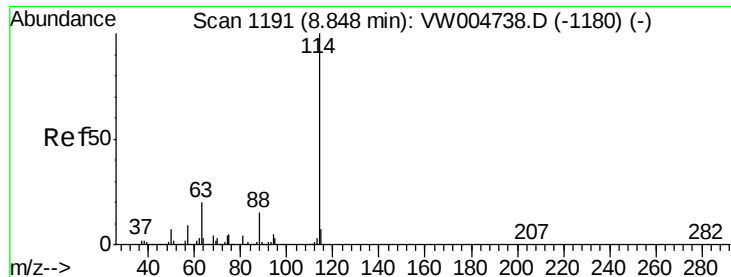
67 54.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

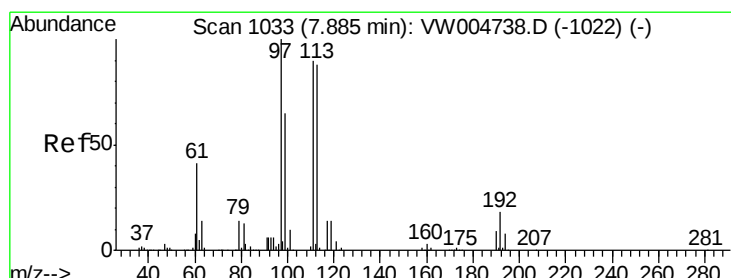
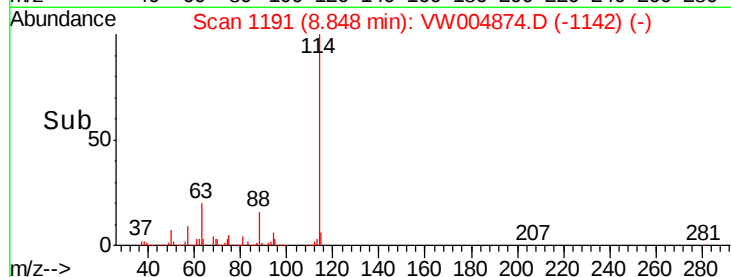
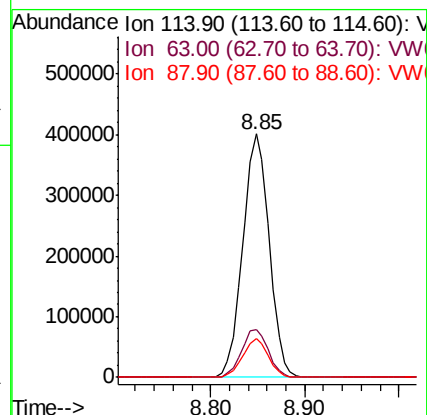
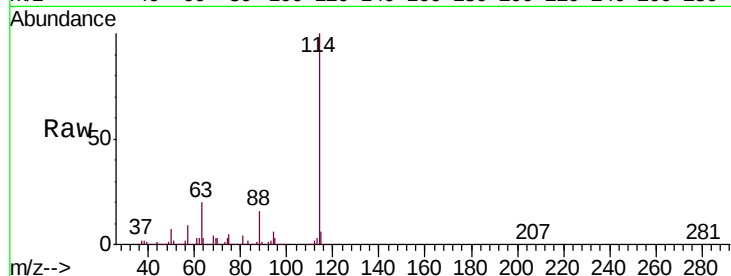




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004874.D
 Acq: 22 Aug 2018 07:28

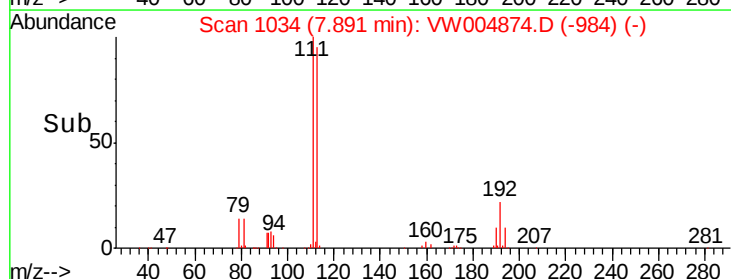
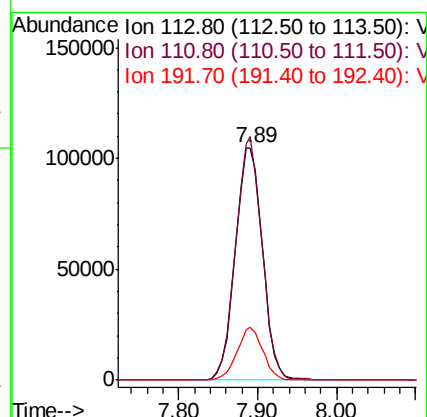
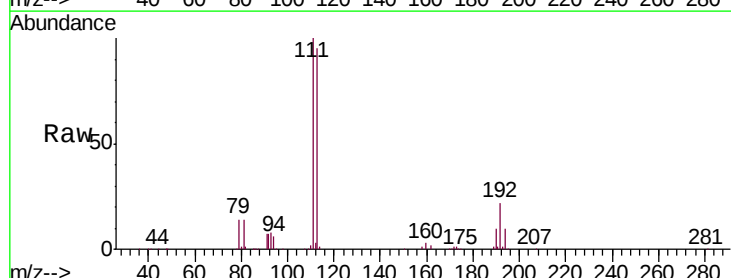
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082118

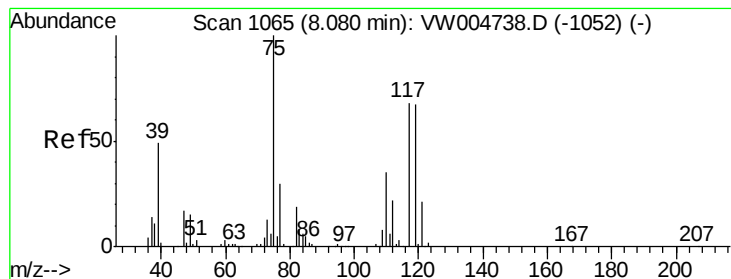
Tgt Ion:114 Resp: 778374
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.8 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004874.D
 Acq: 22 Aug 2018 07:28

Tgt Ion:113 Resp: 251286
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 21.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.302 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

OK-01-082118

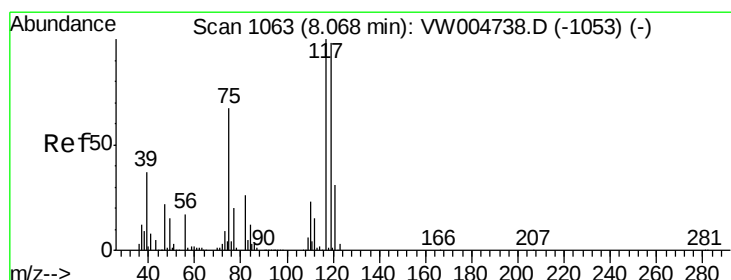
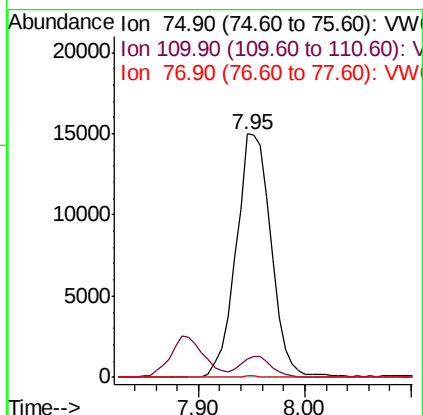
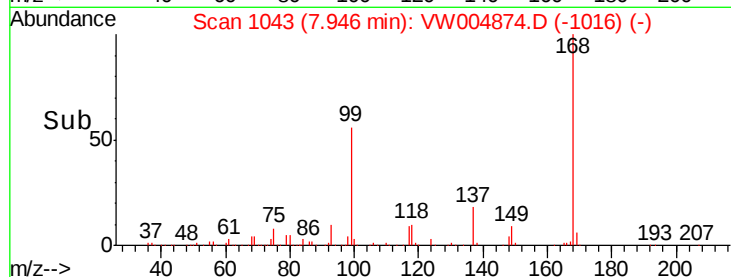
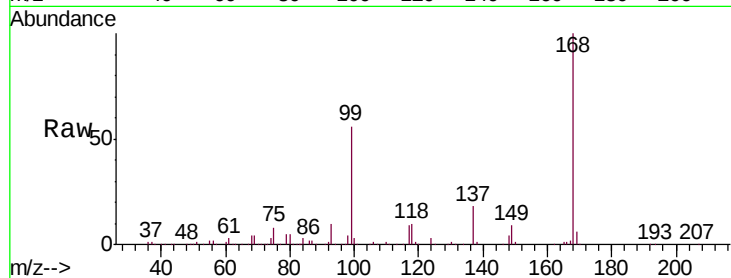
Tgt Ion: 75 Resp: 34497

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

77 0.2 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

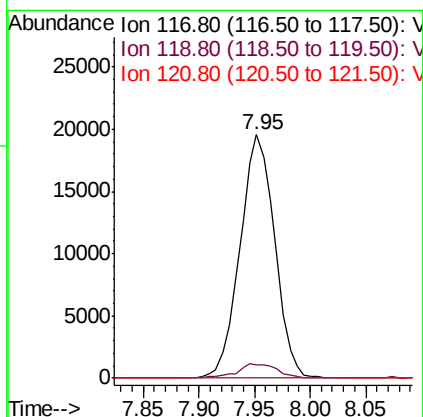
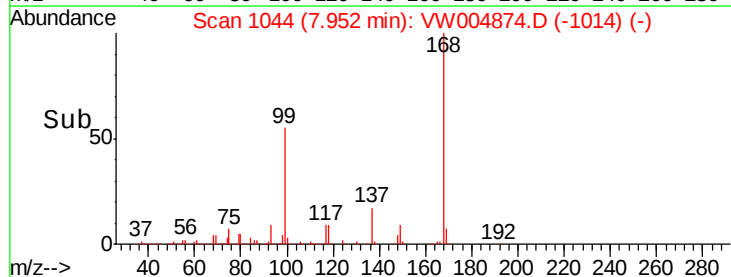
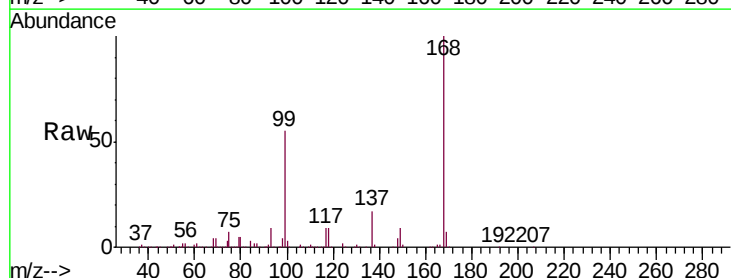
Tgt Ion: 117 Resp: 42287

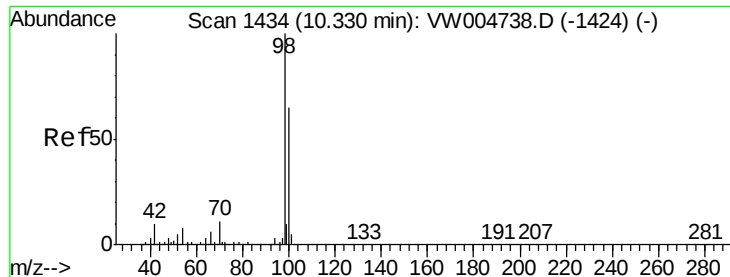
Ion Ratio Lower Upper

117 100

119 5.3 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 27.356 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

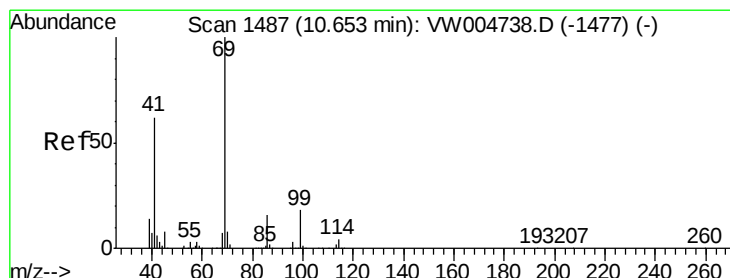
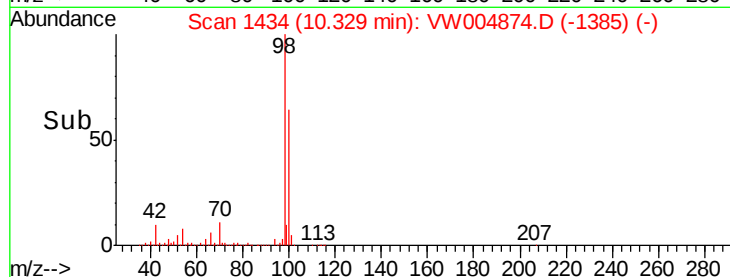
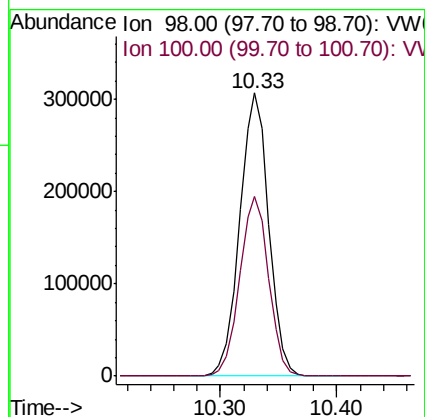
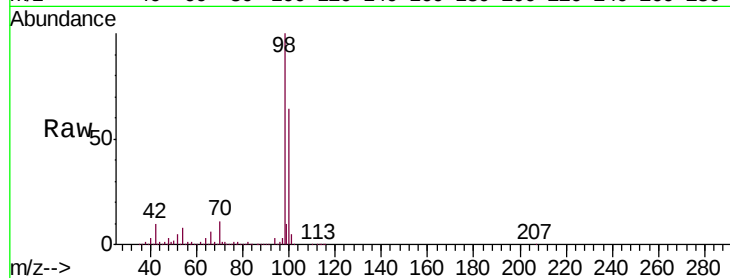
OK-01-082118

Tgt Ion: 98 Resp: 531242

Ion Ratio Lower Upper

98 100

100 63.5 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.991 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.02 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

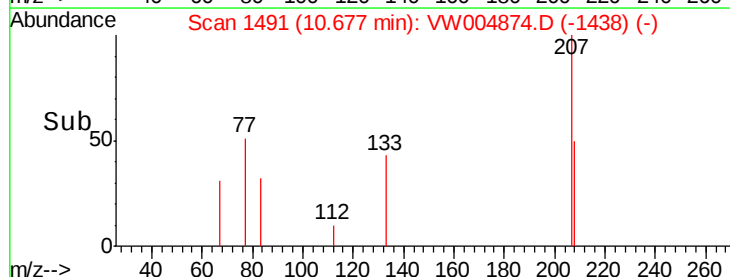
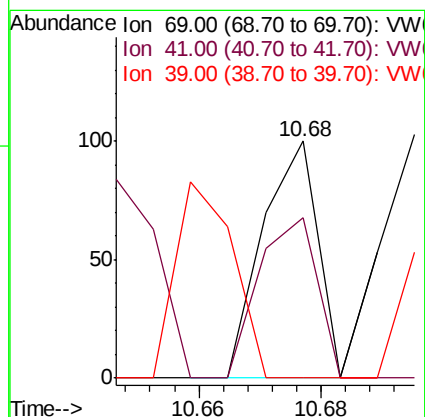
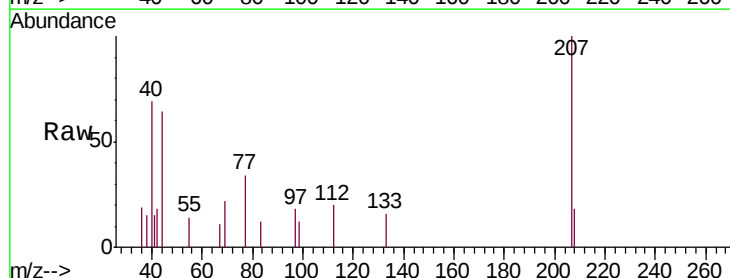
Tgt Ion: 69 Resp: 62

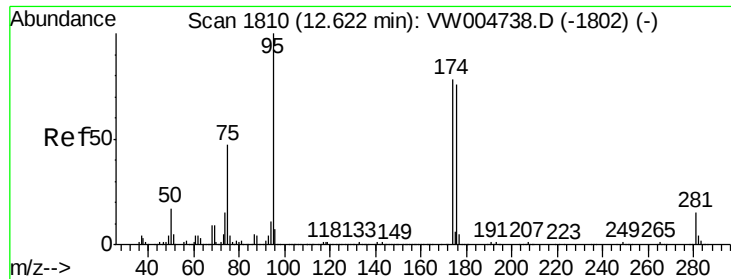
Ion Ratio Lower Upper

69 100

41 72.6 50.7 76.1

39 87.1 21.4 32.2#

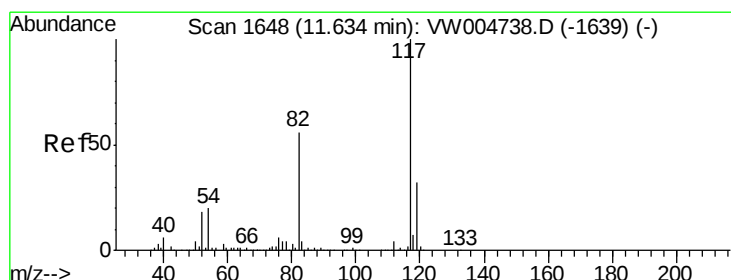
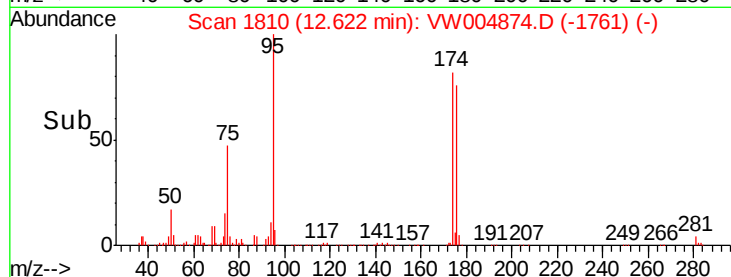
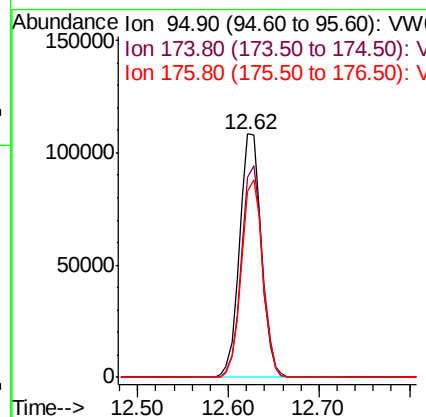
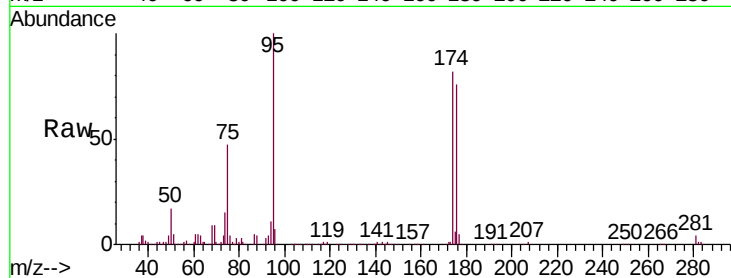




#62
4-Bromofluorobenzene
Concen: 25.945 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004874.D
Acq: 22 Aug 2018 07:28

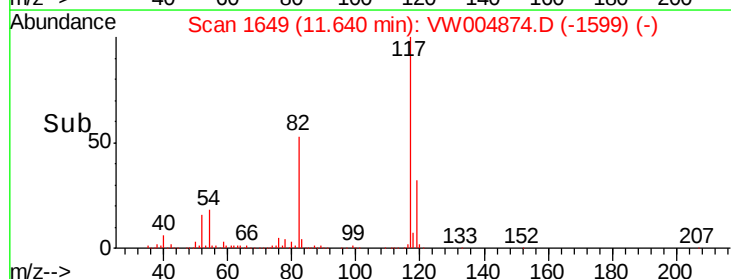
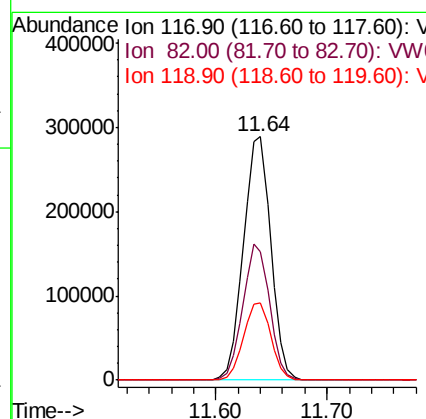
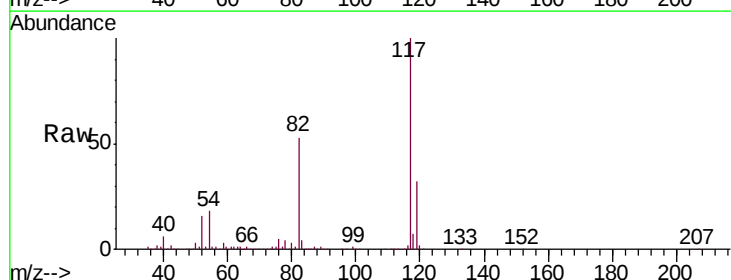
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082118

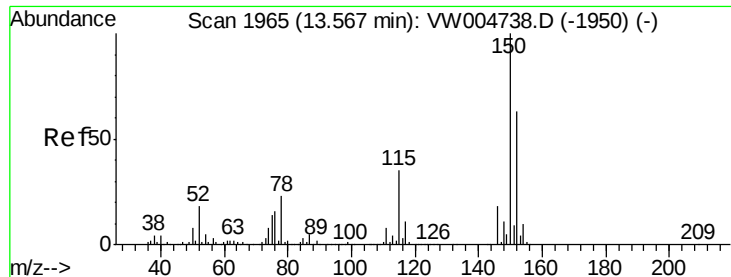
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	165.8
176	79.6	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004874.D
Acq: 22 Aug 2018 07:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.6	67.0
119	32.0	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: VW004874.D

Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

OK-01-082118

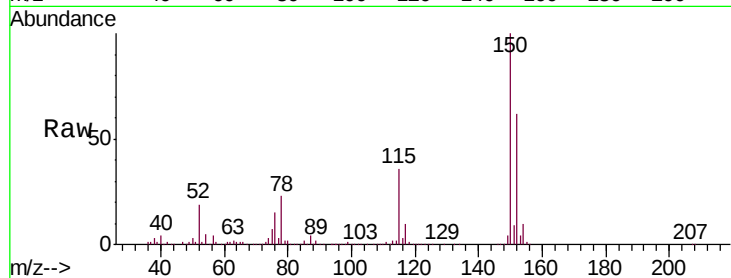
Tgt Ion:152 Resp: 168665

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.5

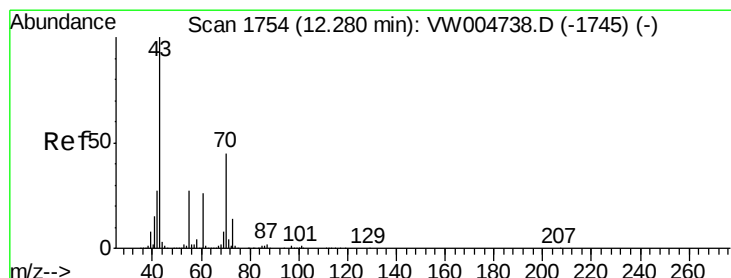
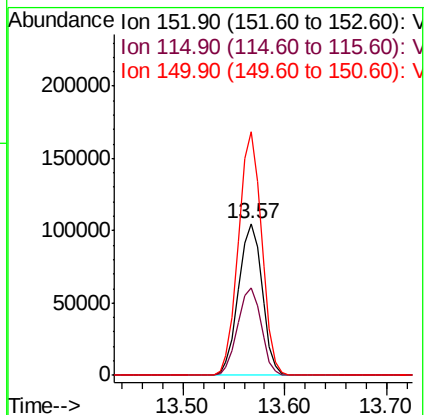
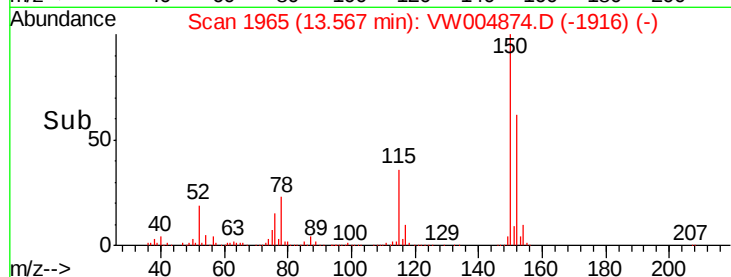
150 156.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.057 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004874.D

Acq: 22 Aug 2018 07:28

Tgt Ion: 43 Resp: 110

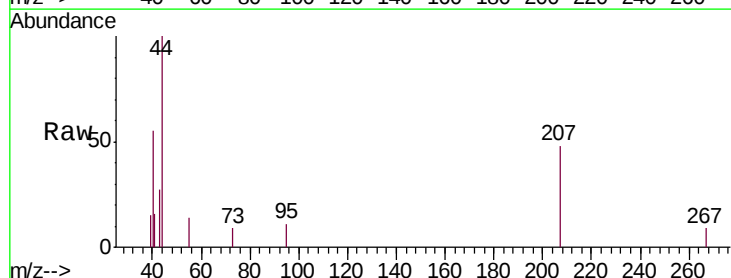
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

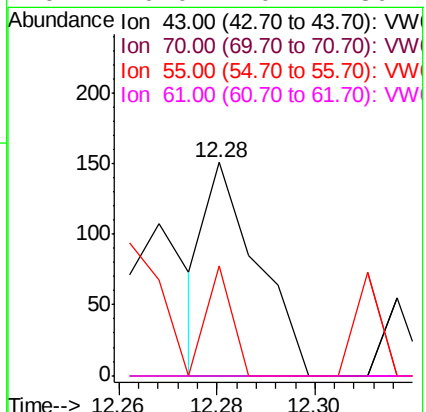
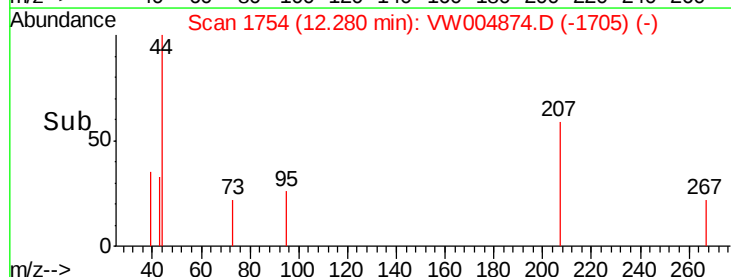


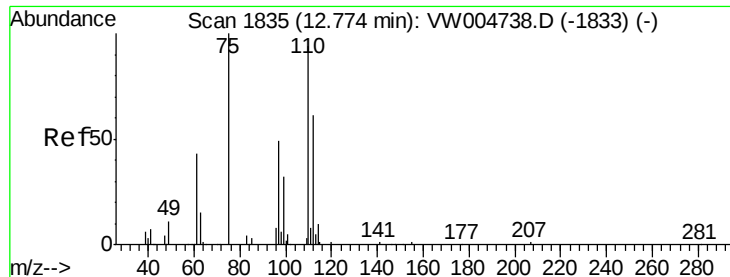
Abundance Ion 43.00 (42.70 to 43.70): VW

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

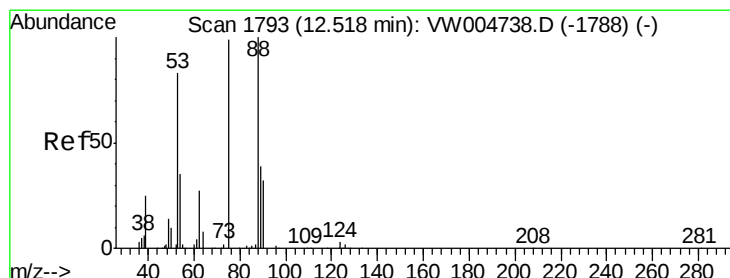
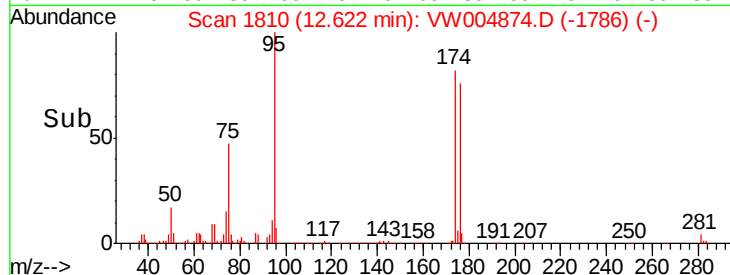
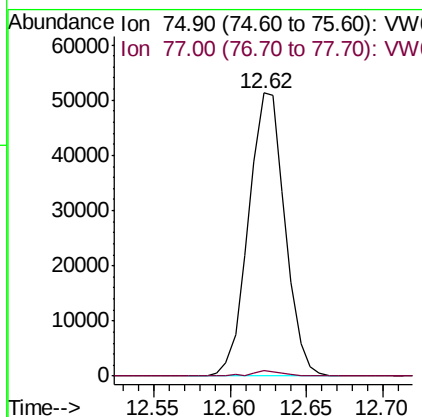
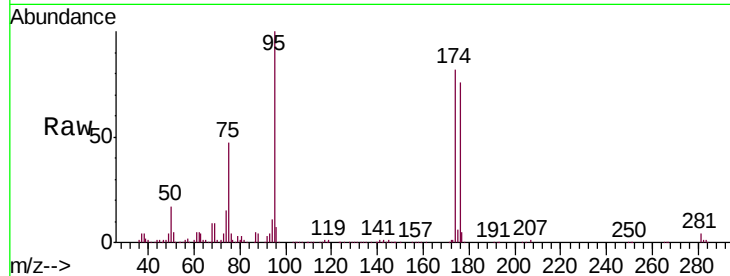




#76
 1,2,3-Trichloropropane
 Concen: 57.121 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004874.D
 Acq: 22 Aug 2018 07:28

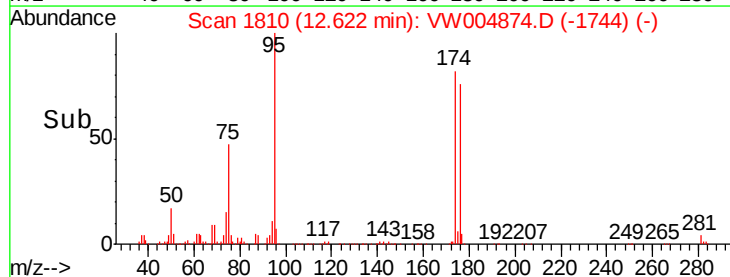
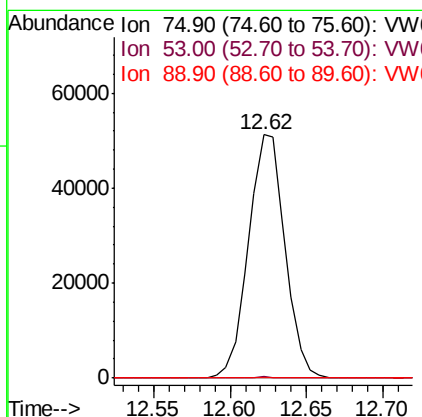
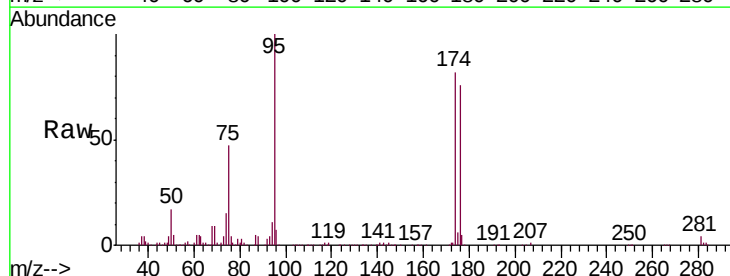
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082118

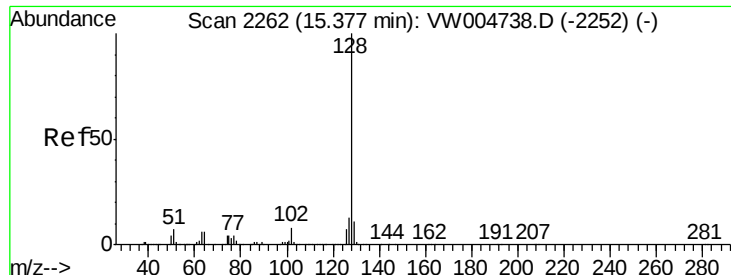
Tgt Ion: 75 Resp: 84928
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.764 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004874.D
 Acq: 22 Aug 2018 07:28

Tgt Ion: 75 Resp: 84928
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.2 108.4#
 89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.703 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004874.D

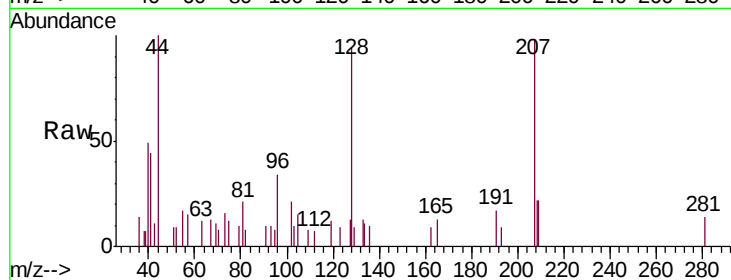
Acq: 22 Aug 2018 07:28

Instrument :

MSVOA_W

ClientSampleId :

OK-01-082118



Tgt Ion:128 Resp: 1461

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 8.8 8.6 13.0

