

Data File : VW004746.D
Acq On : 17 Aug 2018 21:30
Operator : SY/AP
Sample : J4269-01
Misc : 6.85G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-A

Quant Time: Aug 18 02:40:18 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	557232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	926105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	811745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	337194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	294298	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	7.88	113	273073	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	10.33	98	947785	41.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.04%	
62) 4-Bromofluorobenzene	12.63	95	289276	34.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.60%	

Target Compounds

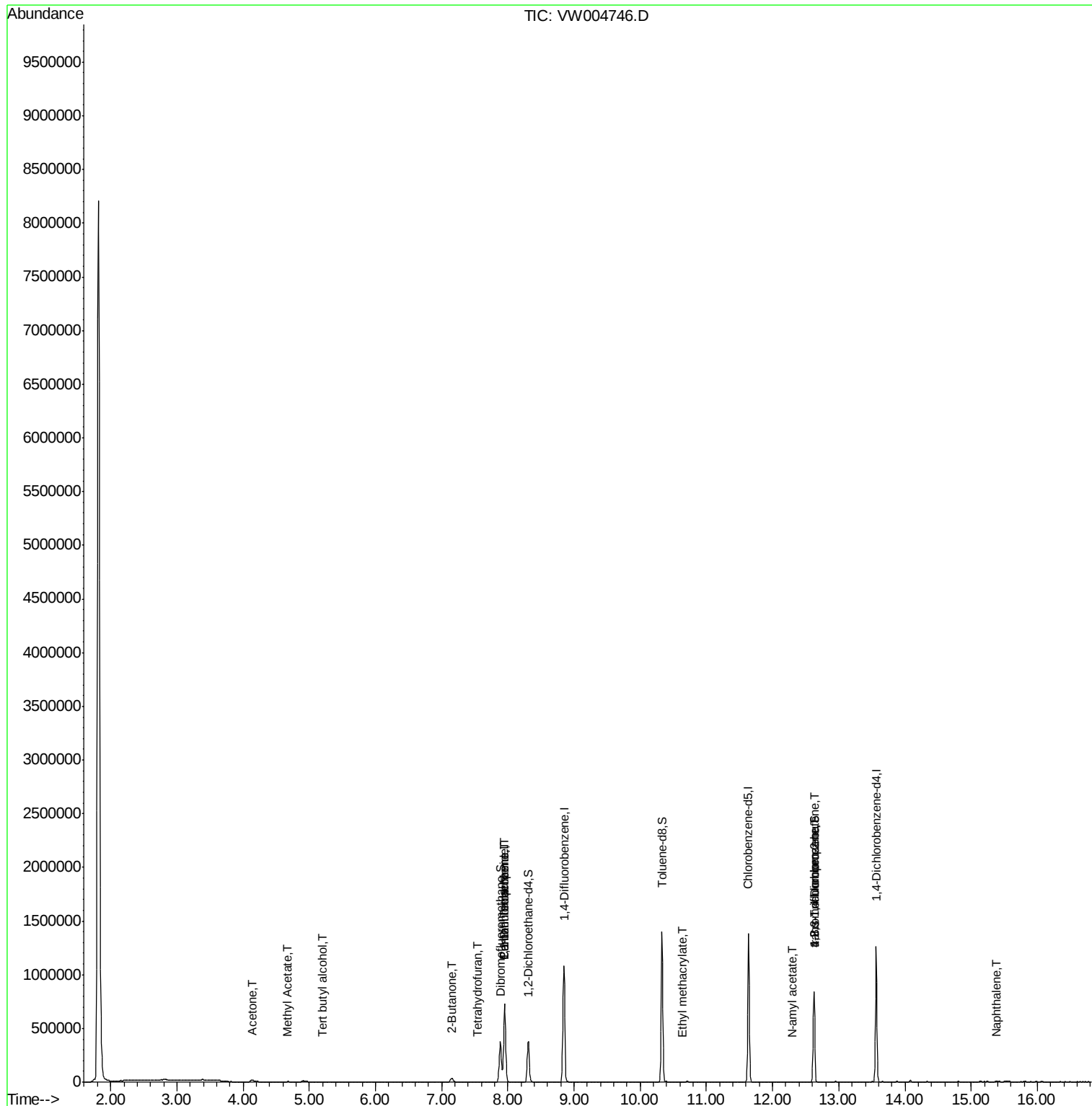
						Qvalue
11) Tert butyl alcohol	5.21	59	1213	4.030	ug/l #	87
16) Acetone	4.14	43	33962	24.695	ug/l	96
18) Methyl Acetate	4.67	43	5189	1.761	ug/l	98
20) Methylene Chloride	4.92	84	10342	Below Cal		92
25) 2-Butanone	7.15	43	2008	1.025	ug/l #	70
29) Tetrahydrofuran	7.55	42	1073	1.074	ug/l	93
36) 1,1-Dichloropropene	7.95	75	40385	4.233	ug/l #	49
38) Carbon Tetrachloride	7.95	117	52333	5.959	ug/l #	15
56) Ethyl methacrylate	10.64	69	43	2.987	ug/l #	27
74) N-amyl acetate	12.29	43	286	4.068	ug/l #	50
76) 1,2,3-Trichloropropane	12.63	75	135235	45.496	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	135235	105.746	ug/l #	14
95) Naphthalene	15.38	128	2860	3.699	ug/l #	92

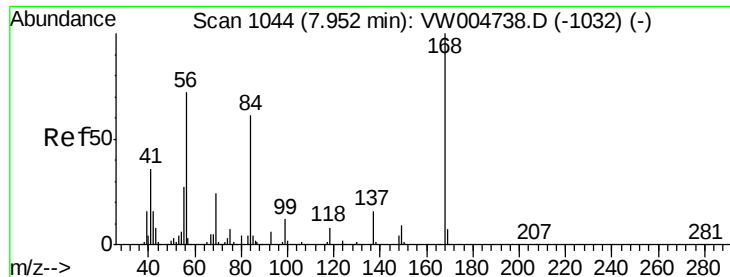
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW004746.D
Acq On : 17 Aug 2018 21:30
Operator : SY/AP
Sample : J4269-01
Misc : 6.85G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-A

Quant Time: Aug 18 02:40:18 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: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

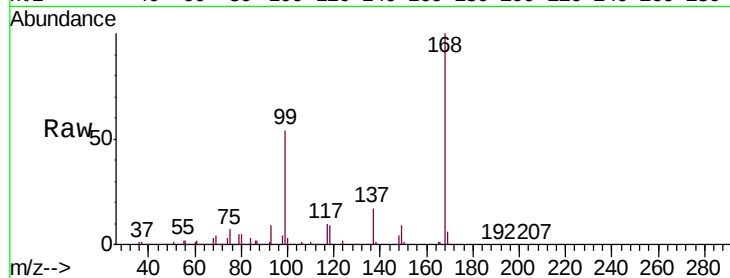
AU-06-081518-A

Tgt Ion:168 Resp: 557232

Ion Ratio Lower Upper

168 100

99 53.7 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

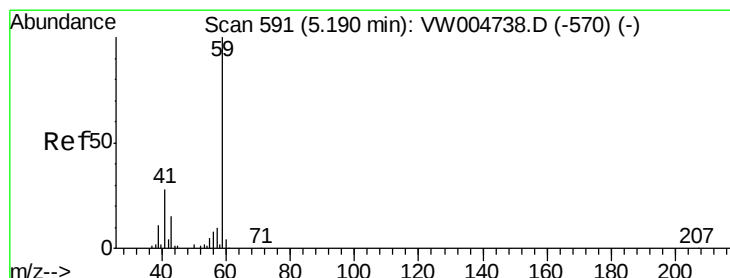
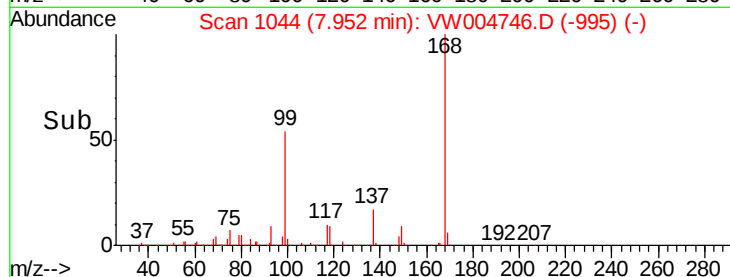
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.030 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004746.D

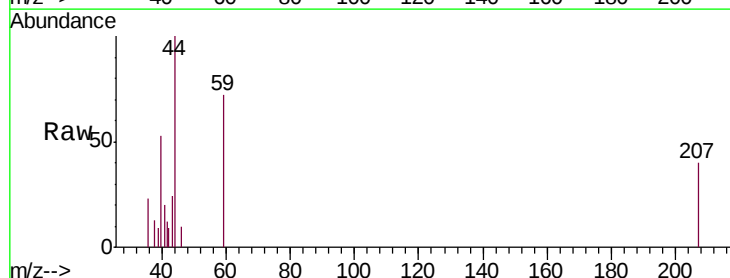
Acq: 17 Aug 2018 21:30

Tgt Ion: 59 Resp: 1213

Ion Ratio Lower Upper

59 100

57 5.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

500

400

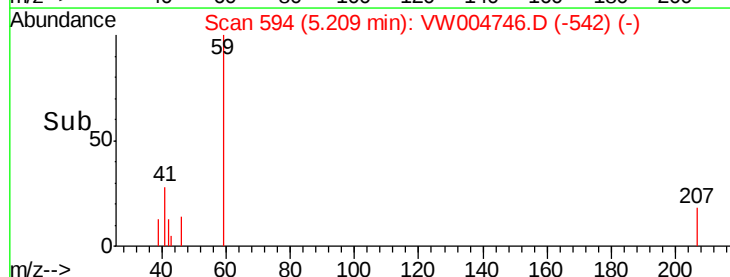
300

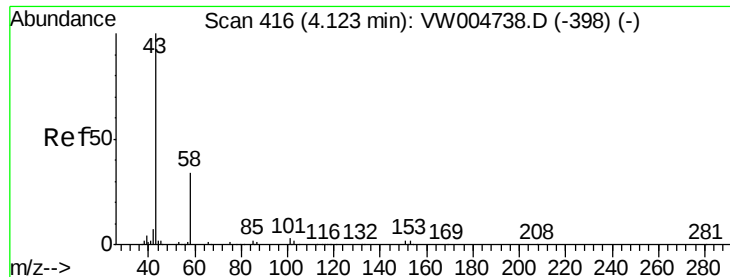
200

100

0

Time-->





#16

Acetone

Concen: 24.695 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

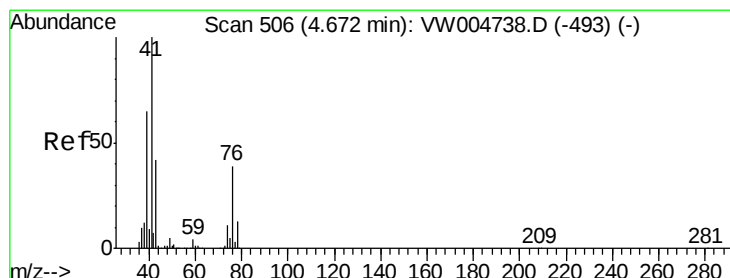
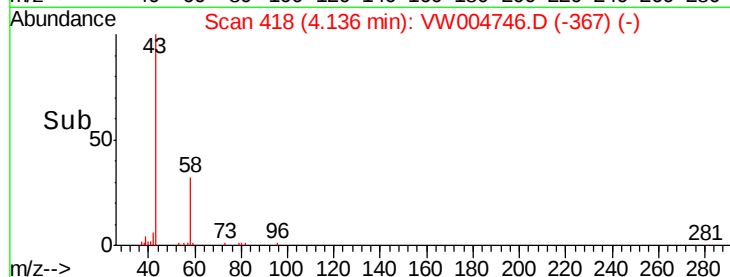
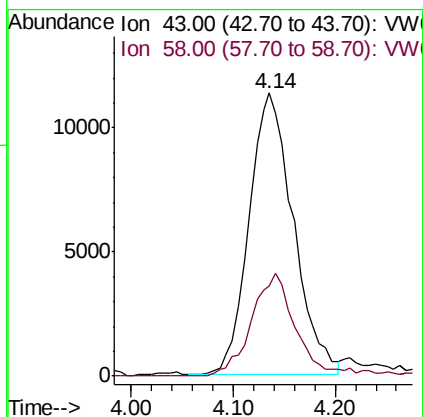
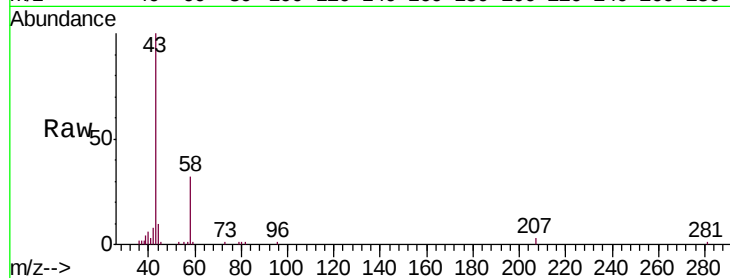
AU-06-081518-A

Tgt Ion: 43 Resp: 33962

Ion Ratio Lower Upper

43 100

58 31.9 27.3 40.9



#18

Methyl Acetate

Concen: 1.761 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004746.D

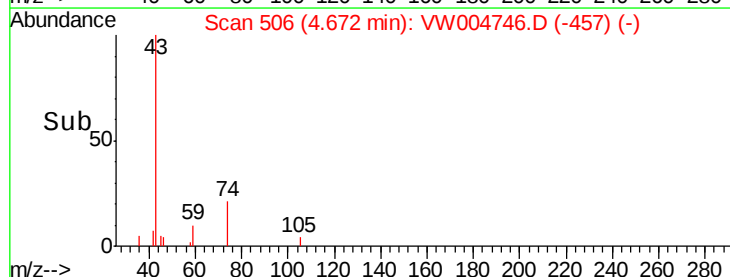
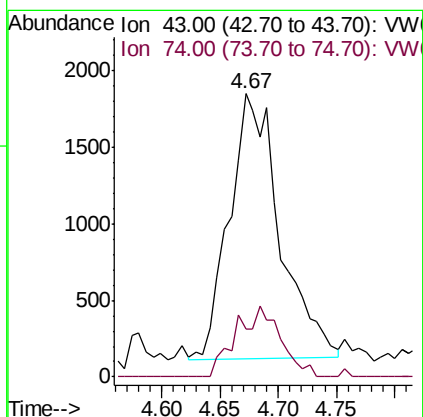
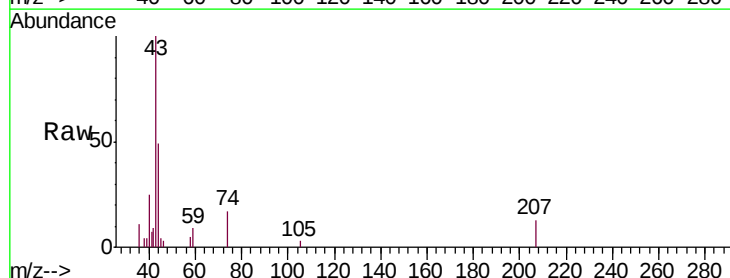
Acq: 17 Aug 2018 21:30

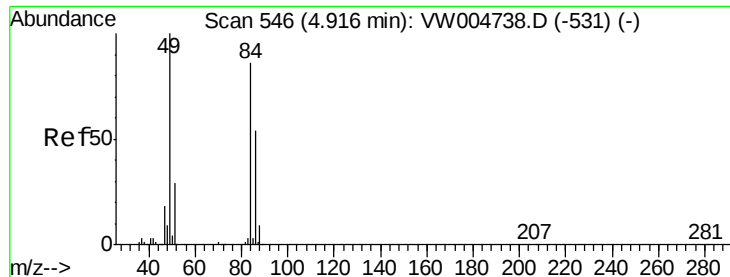
Tgt Ion: 43 Resp: 5189

Ion Ratio Lower Upper

43 100

74 23.7 19.8 29.8





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-A

Tgt Ion: 84 Resp: 10342

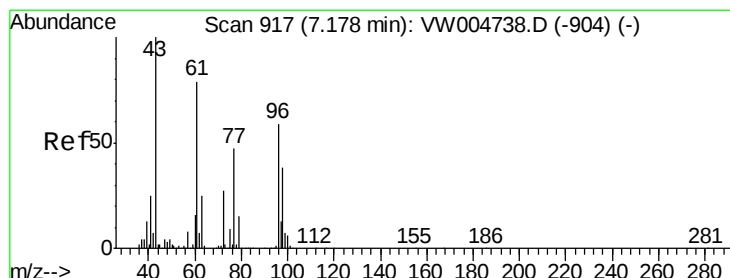
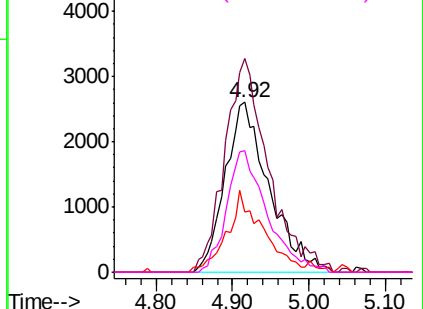
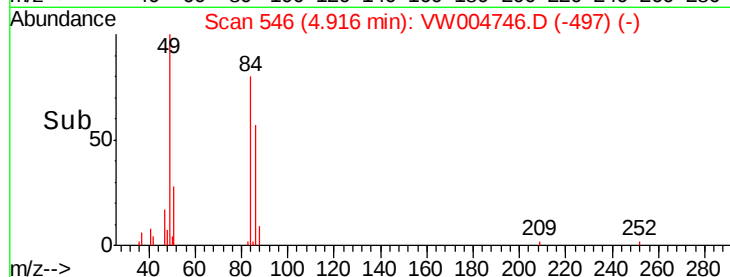
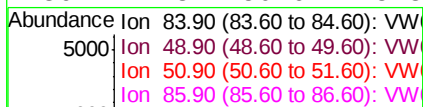
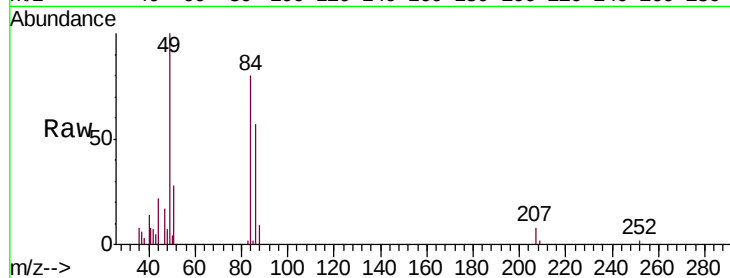
Ion Ratio Lower Upper

84 100

49 125.7 93.2 139.8

51 35.5 27.4 41.0

86 71.3 50.6 75.8



#25

2-Butanone

Concen: 1.025 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW004746.D

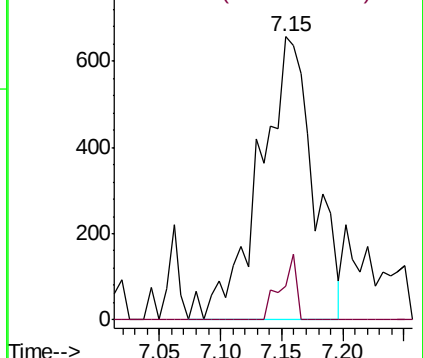
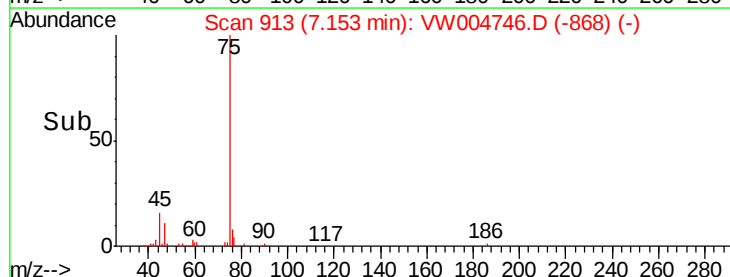
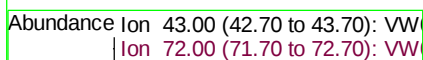
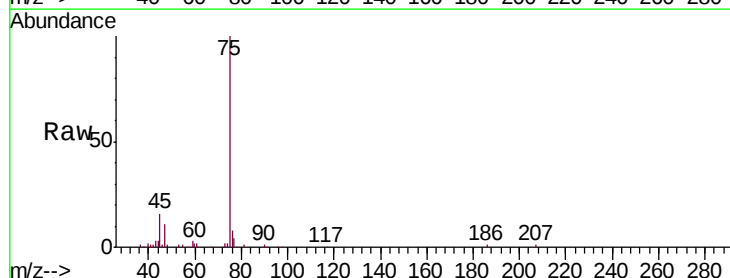
Acq: 17 Aug 2018 21:30

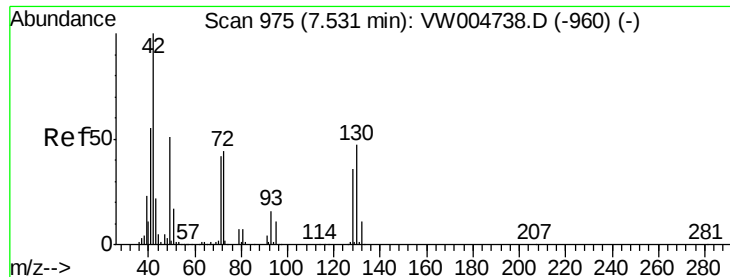
Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

43 100

72 12.0 22.0 33.0#

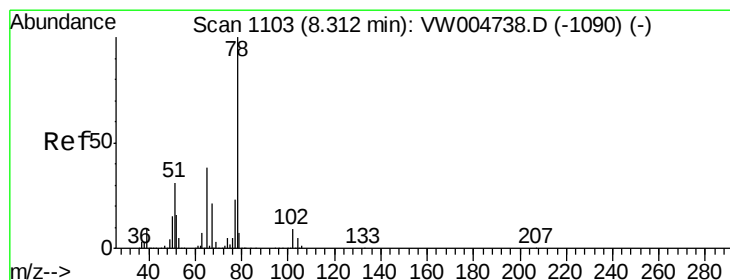
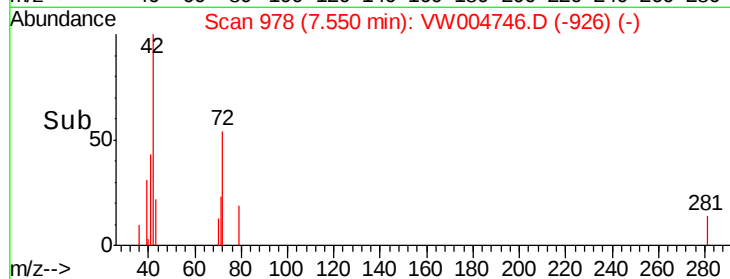
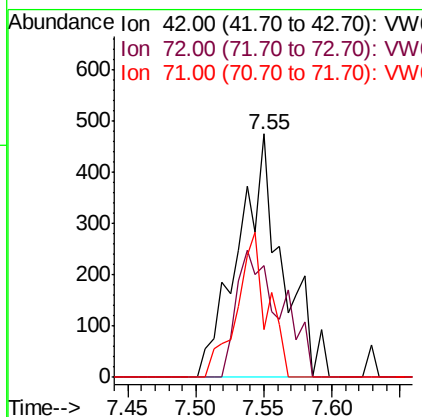
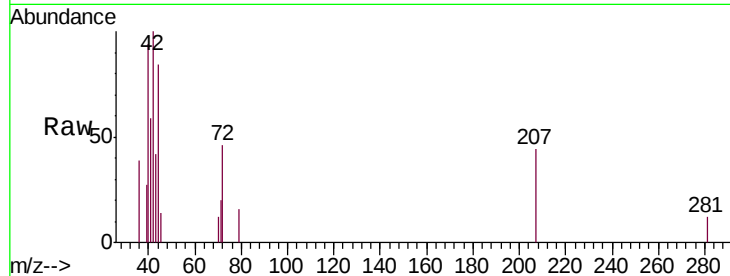




#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004746.D
Acq: 17 Aug 2018 21:30

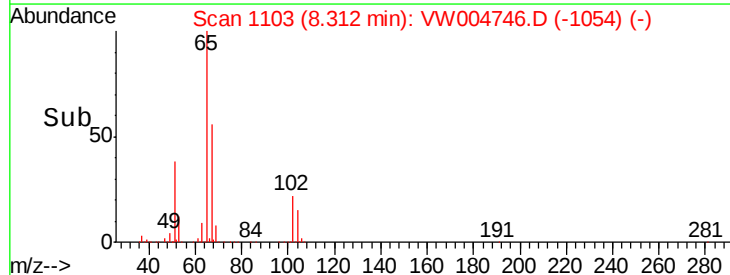
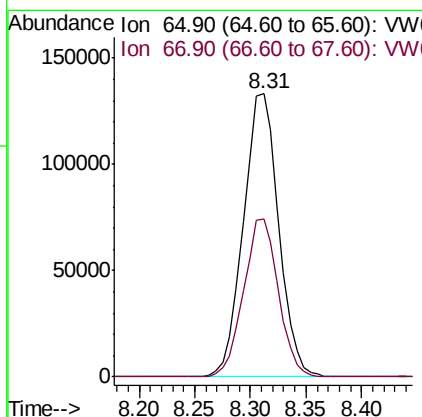
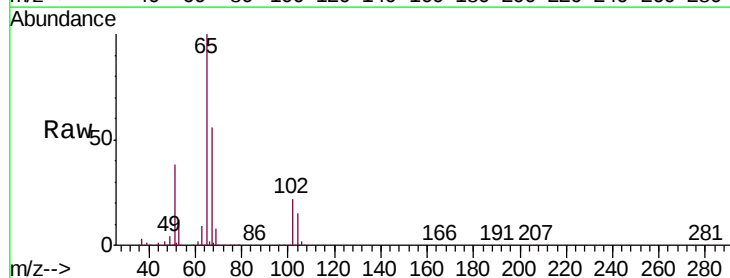
Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-A

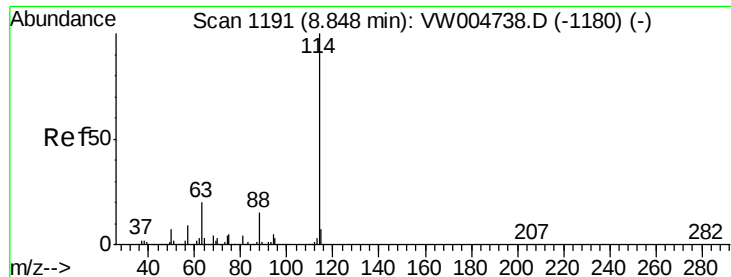
Tgt Ion: 42 Resp: 1073
Ion Ratio Lower Upper
42 100
72 52.1 34.9 52.3
71 41.5 33.8 50.6



#33
1,2-Dichloroethane-d4
Concen: 54.628 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004746.D
Acq: 17 Aug 2018 21:30

Tgt Ion: 65 Resp: 294298
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.4

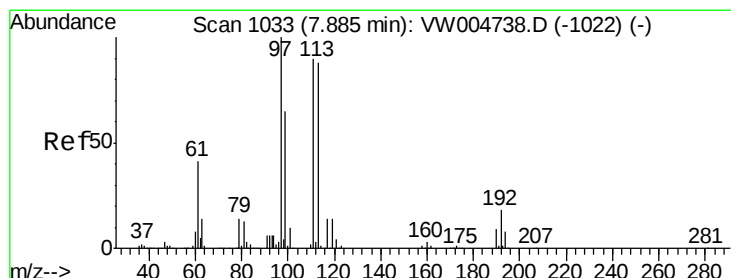
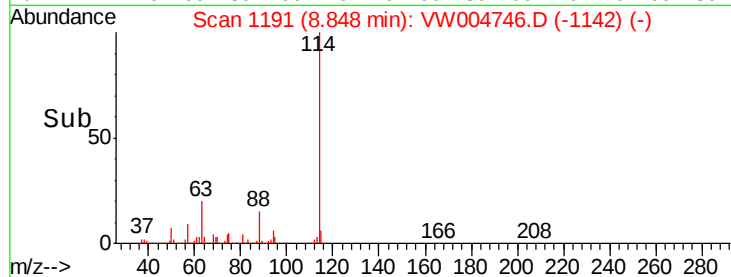
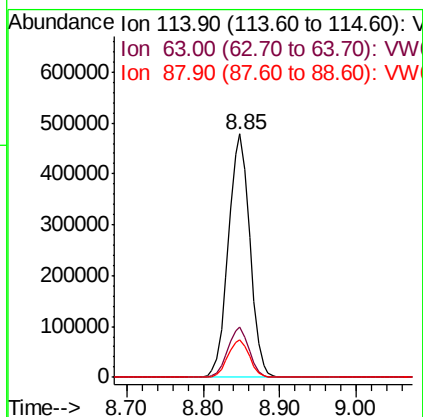
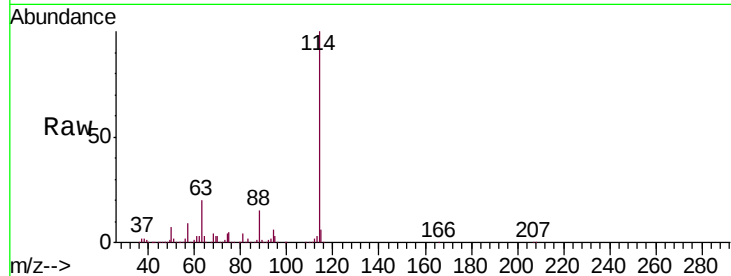




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004746.D
 Acq: 17 Aug 2018 21:30

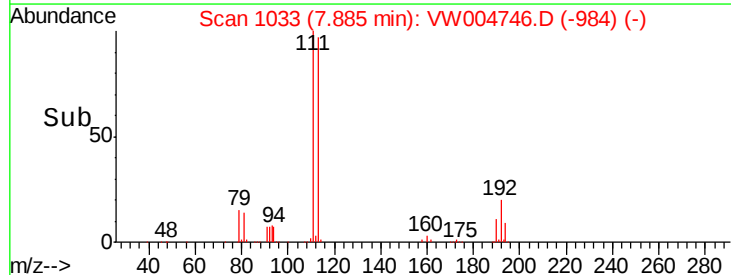
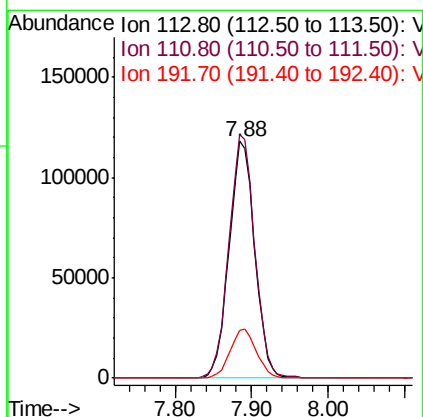
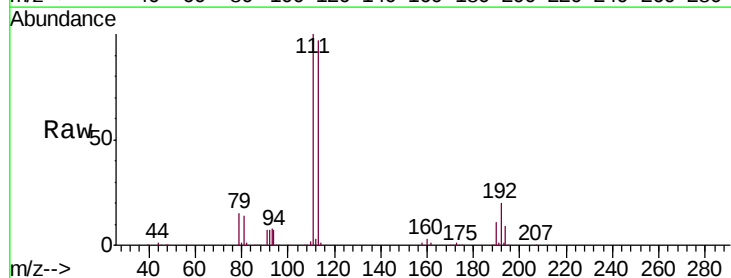
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-081518-A

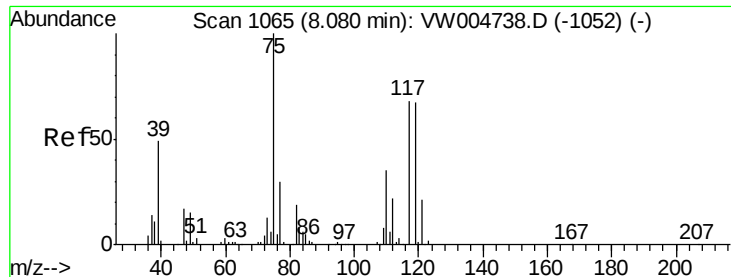
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.0
88	15.2	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 46.135 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004746.D
 Acq: 17 Aug 2018 21:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	21.1	16.7	25.1

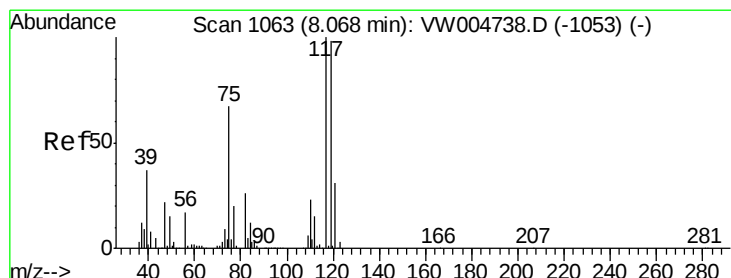
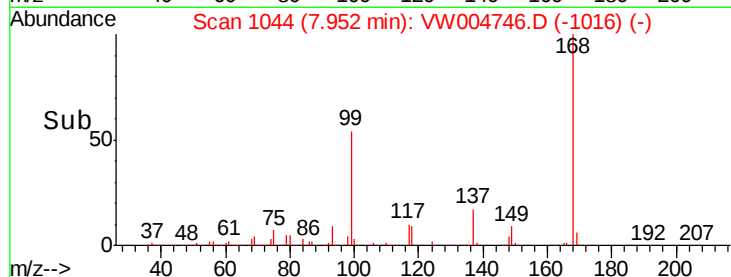
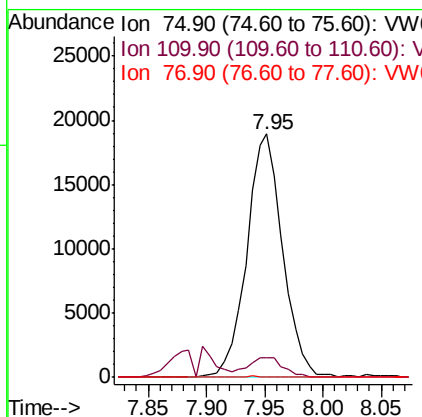
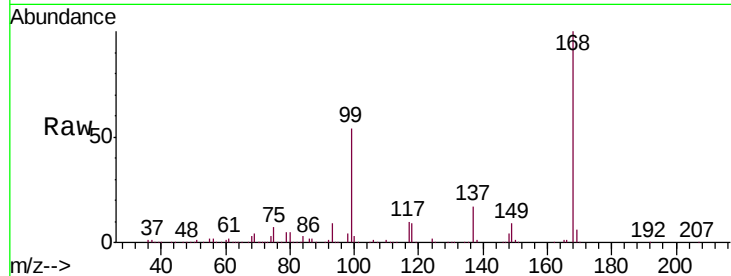




#36
 1,1-Dichloropropene
 Concen: 4.233 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004746.D
 Acq: 17 Aug 2018 21:30

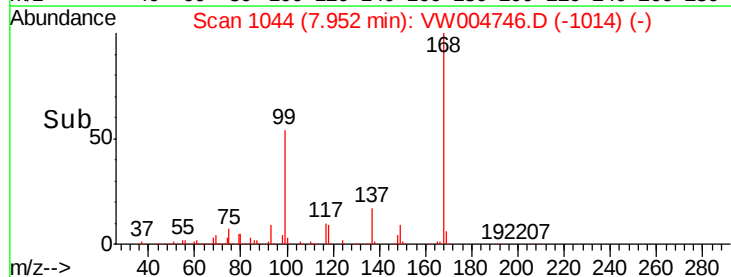
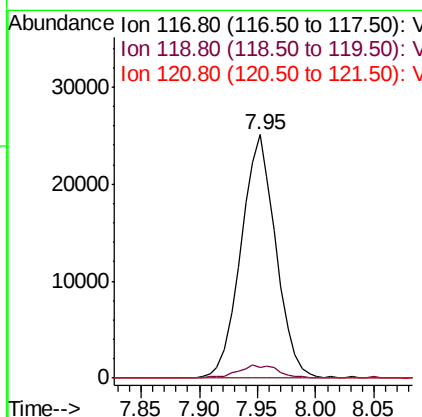
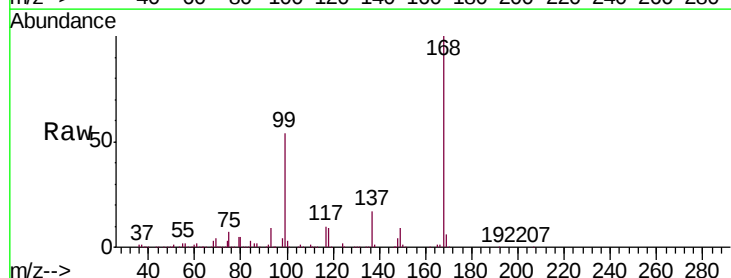
Instrument :
 MSVOA_W
 ClientSampleID :
 AU-06-081518-A

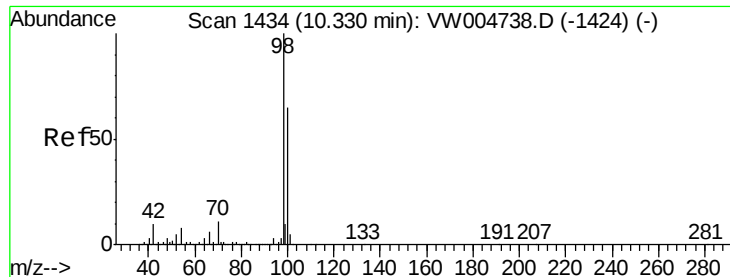
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.8	53.5#
77	0.2	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.959 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004746.D
 Acq: 17 Aug 2018 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	78.0	117.0#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 41.020 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

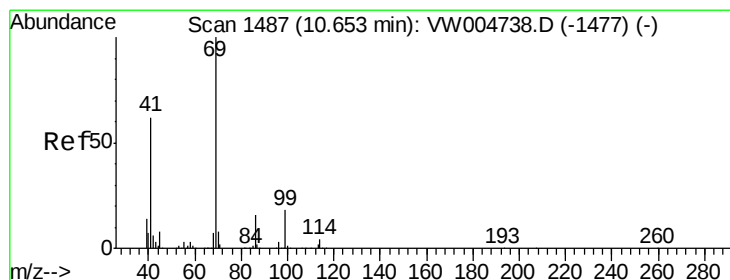
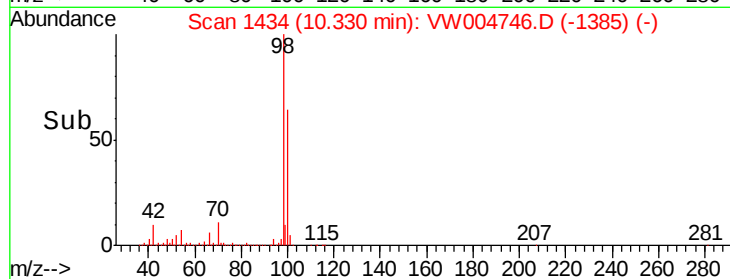
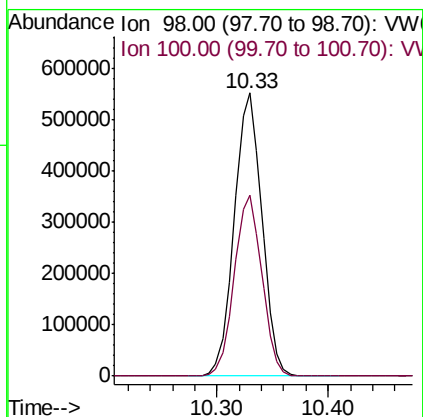
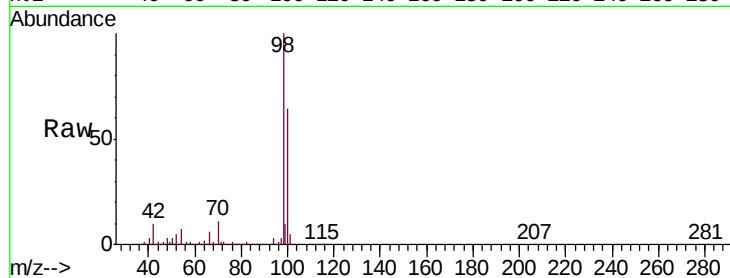
AU-06-081518-A

Tgt Ion: 98 Resp: 947785

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.987 ug/l

RT: 10.64 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

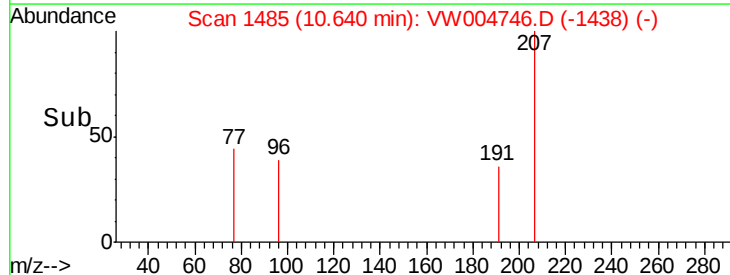
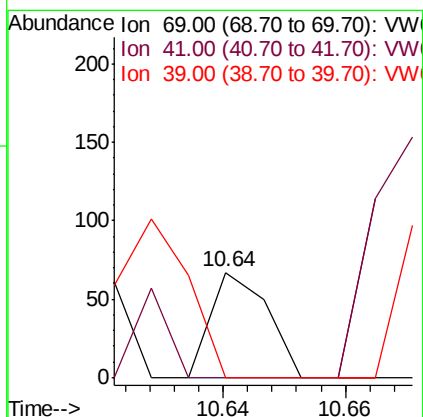
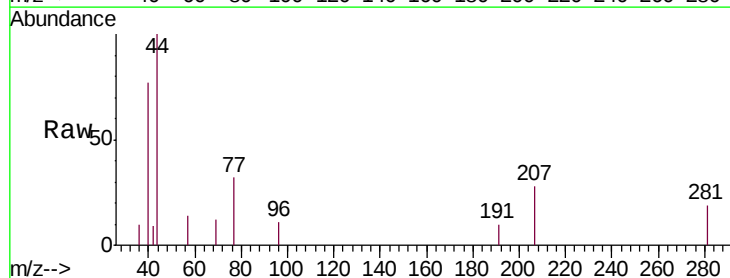
Tgt Ion: 69 Resp: 43

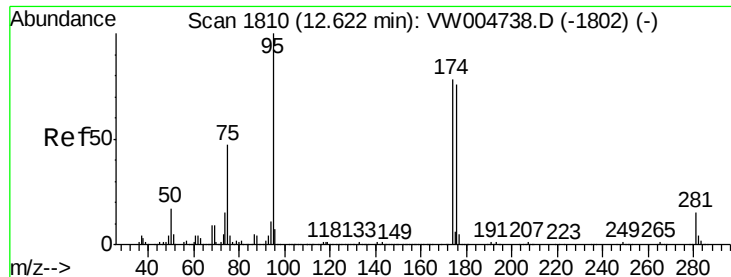
Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 21.4 32.2#

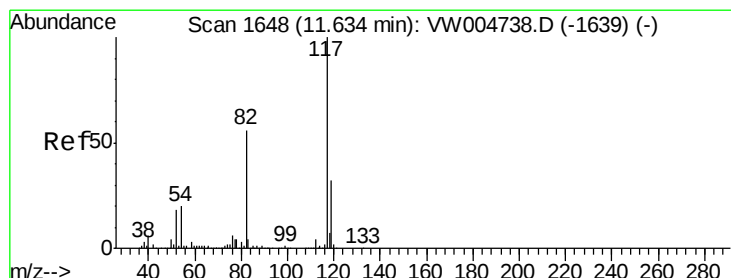
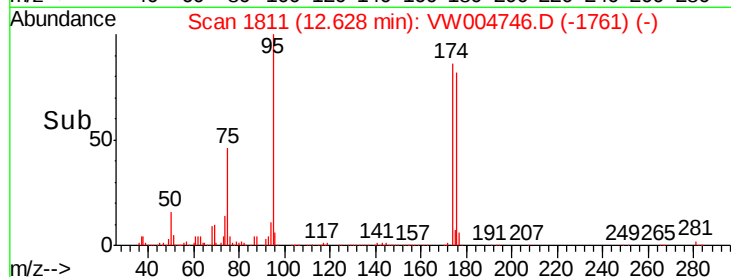
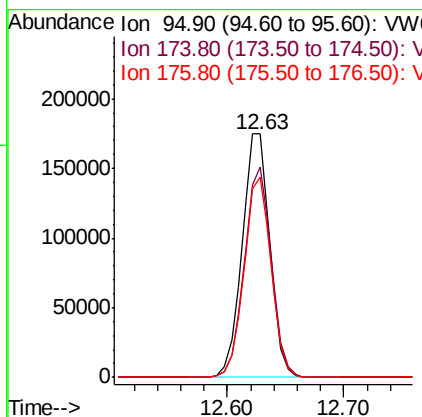
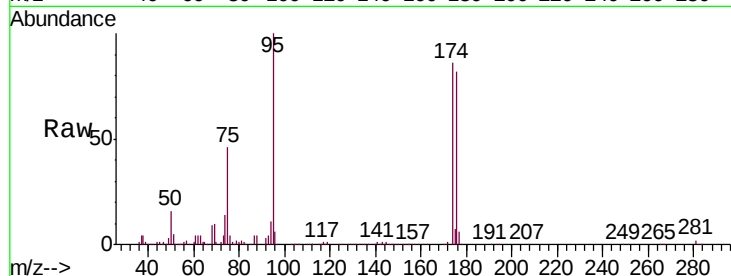




#62
4-Bromofluorobenzene
Concen: 34.800 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004746.D
Acq: 17 Aug 2018 21:30

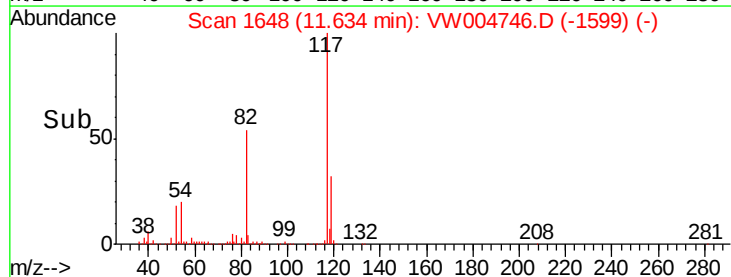
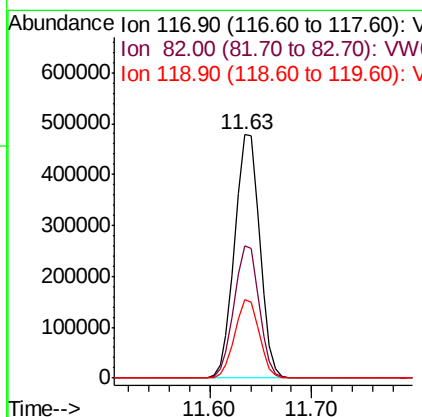
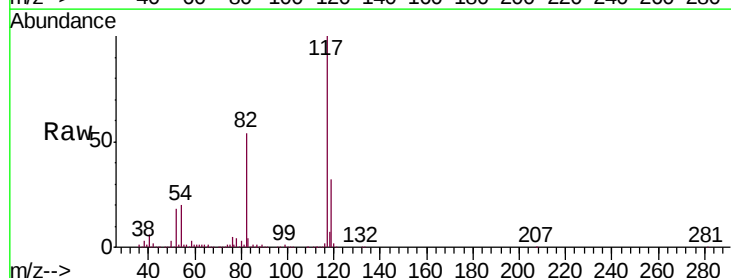
Instrument :
MSVOA_W
ClientSampleId :
AU-06-081518-A

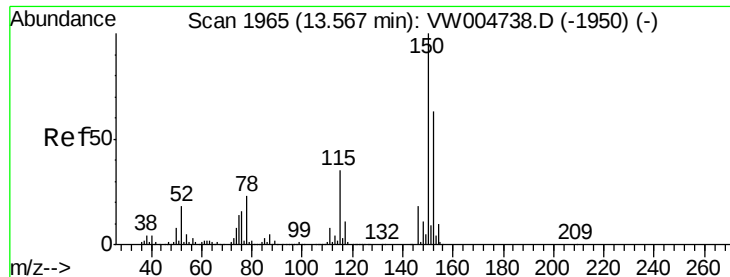
Tgt Ion: 95 Resp: 289276
Ion Ratio Lower Upper
95 100
174 84.2 0.0 165.8
176 80.3 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004746.D
Acq: 17 Aug 2018 21:30

Tgt Ion: 117 Resp: 811745
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 32.1 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: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-A

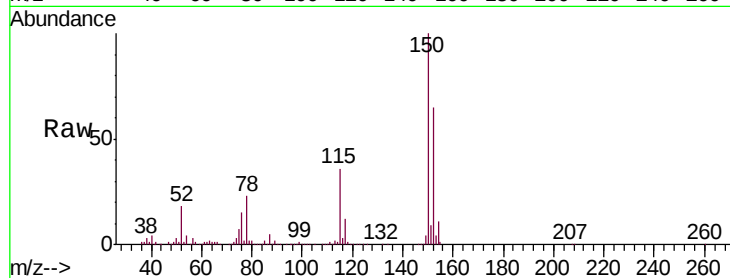
Tgt Ion: 152 Resp: 337194

Ion Ratio Lower Upper

152 100

115 57.6 28.5 85.5

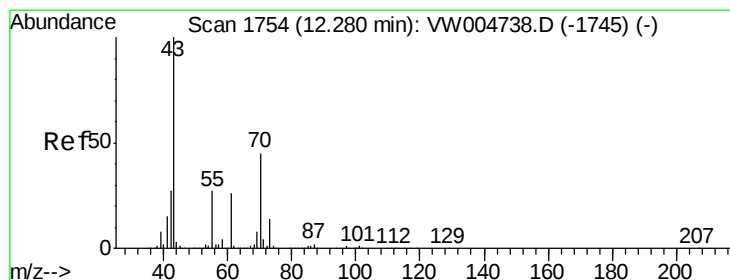
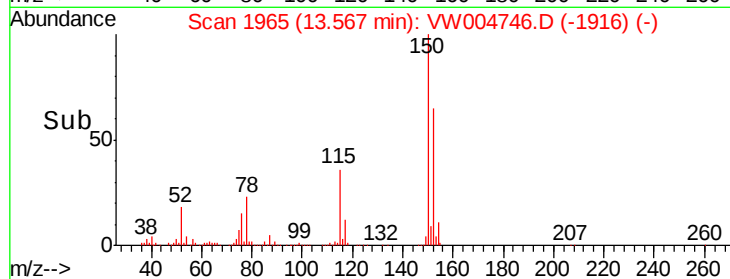
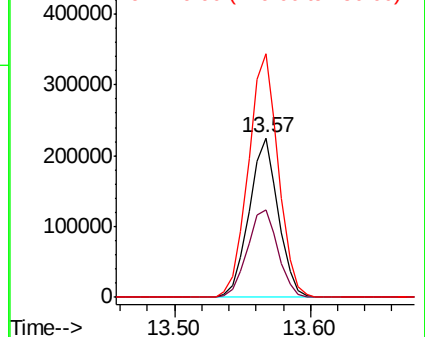
150 157.2 0.0 344.8



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: 4.068 ug/l

RT: 12.29 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

Tgt Ion: 43 Resp: 286

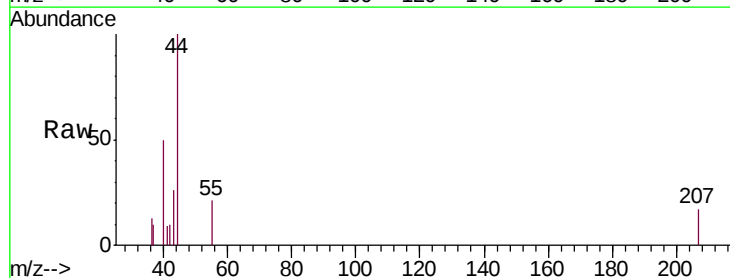
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 17.8 22.6 33.8#

61 0.0 20.2 30.4#

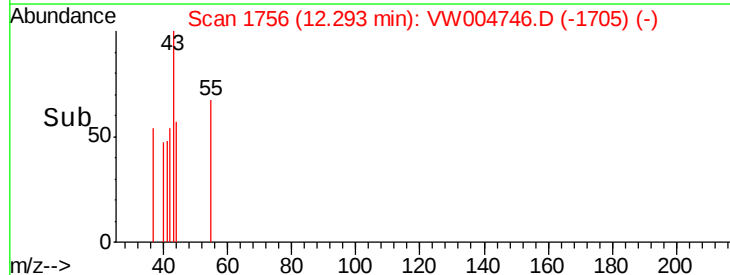
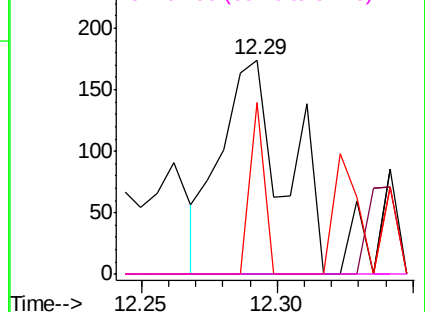


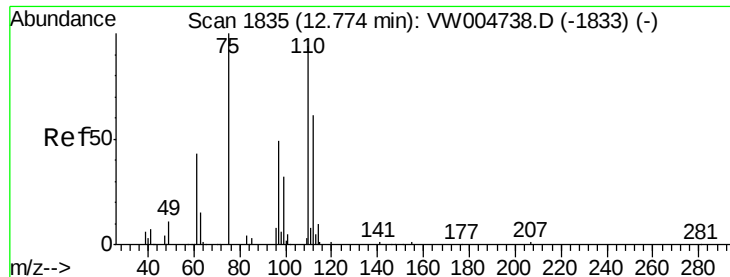
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 45.496 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

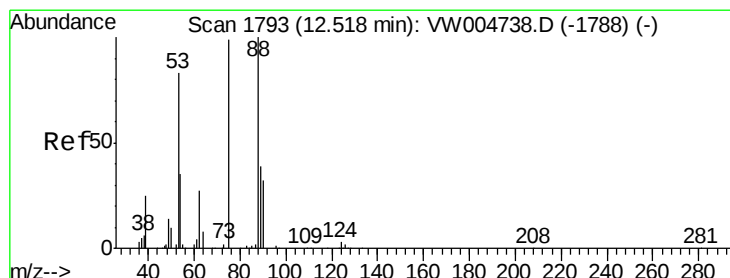
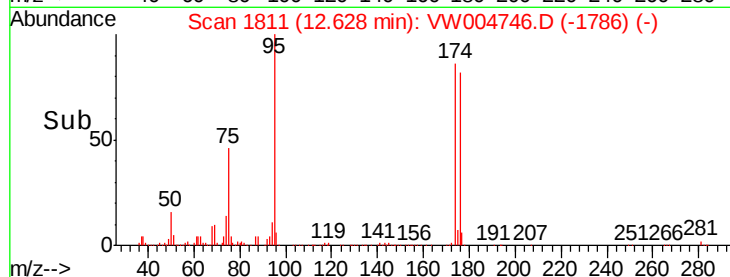
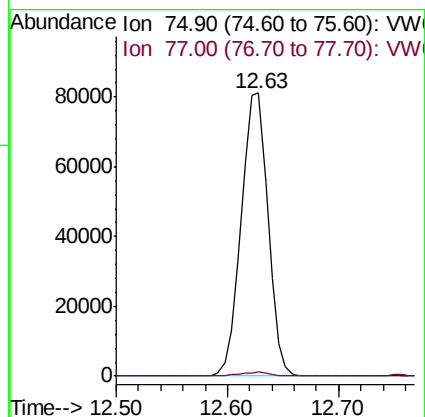
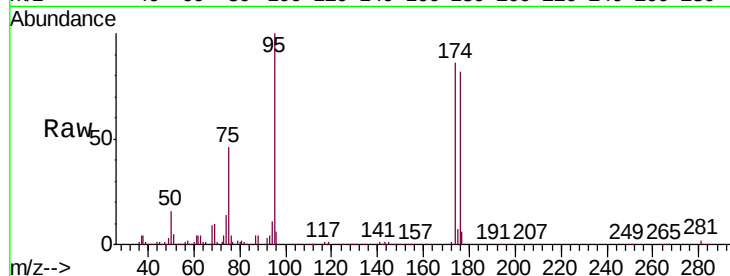
AU-06-081518-A

Tgt Ion: 75 Resp: 135235

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.746 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004746.D

Acq: 17 Aug 2018 21:30

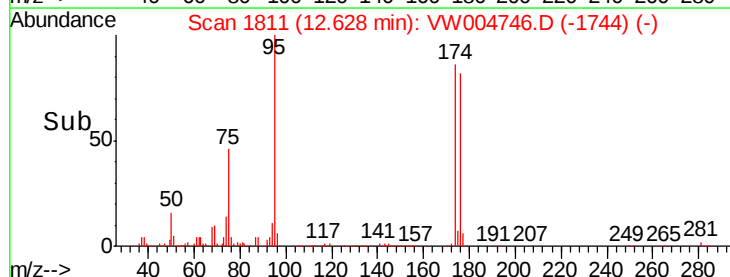
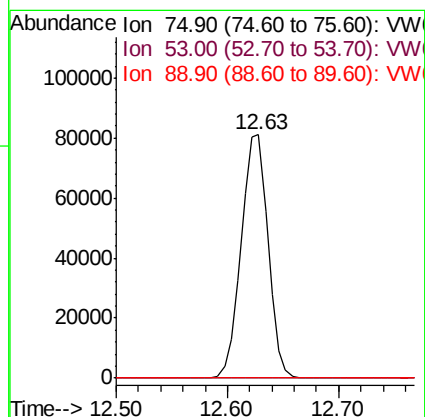
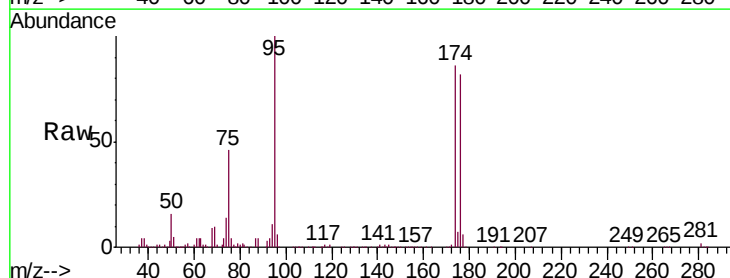
Tgt Ion: 75 Resp: 135235

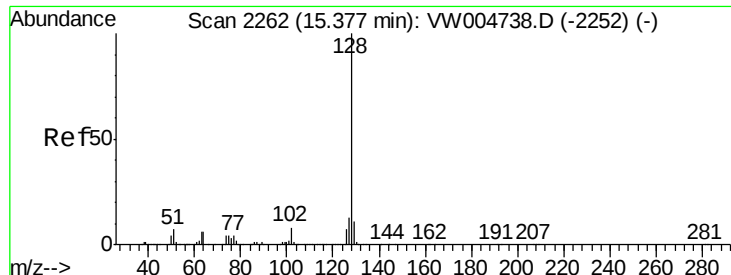
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.699 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004746.D

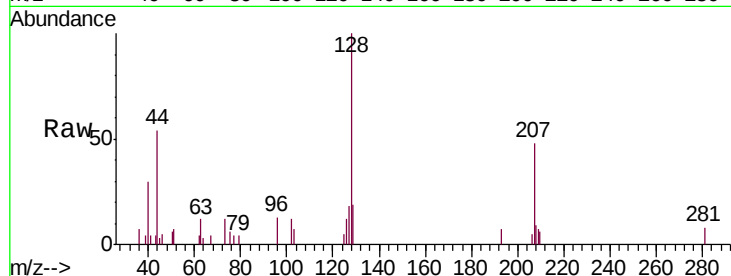
Acq: 17 Aug 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

AU-06-081518-A



Tgt Ion:	128	Resp:	2860
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	16.4	8.6	13.0

