

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004880.D
 Acq On : 22 Aug 2018 10:02
 Operator : SY/AP
 Sample : J4283-03
 Misc : 6.84G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-082118

Quant Time: Aug 22 10:54:13 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	7.96	168	464669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	738056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	454671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	237559	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
35) Dibromofluoromethane	7.89	113	227756	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.33	98	406287	22.06	ug/l	0.00
Spiked Amount			Recovery	=	44.12%	
62) 4-Bromofluorobenzene	12.63	95	189782	28.65	ug/l	0.00
Spiked Amount			Recovery	=	57.30%	

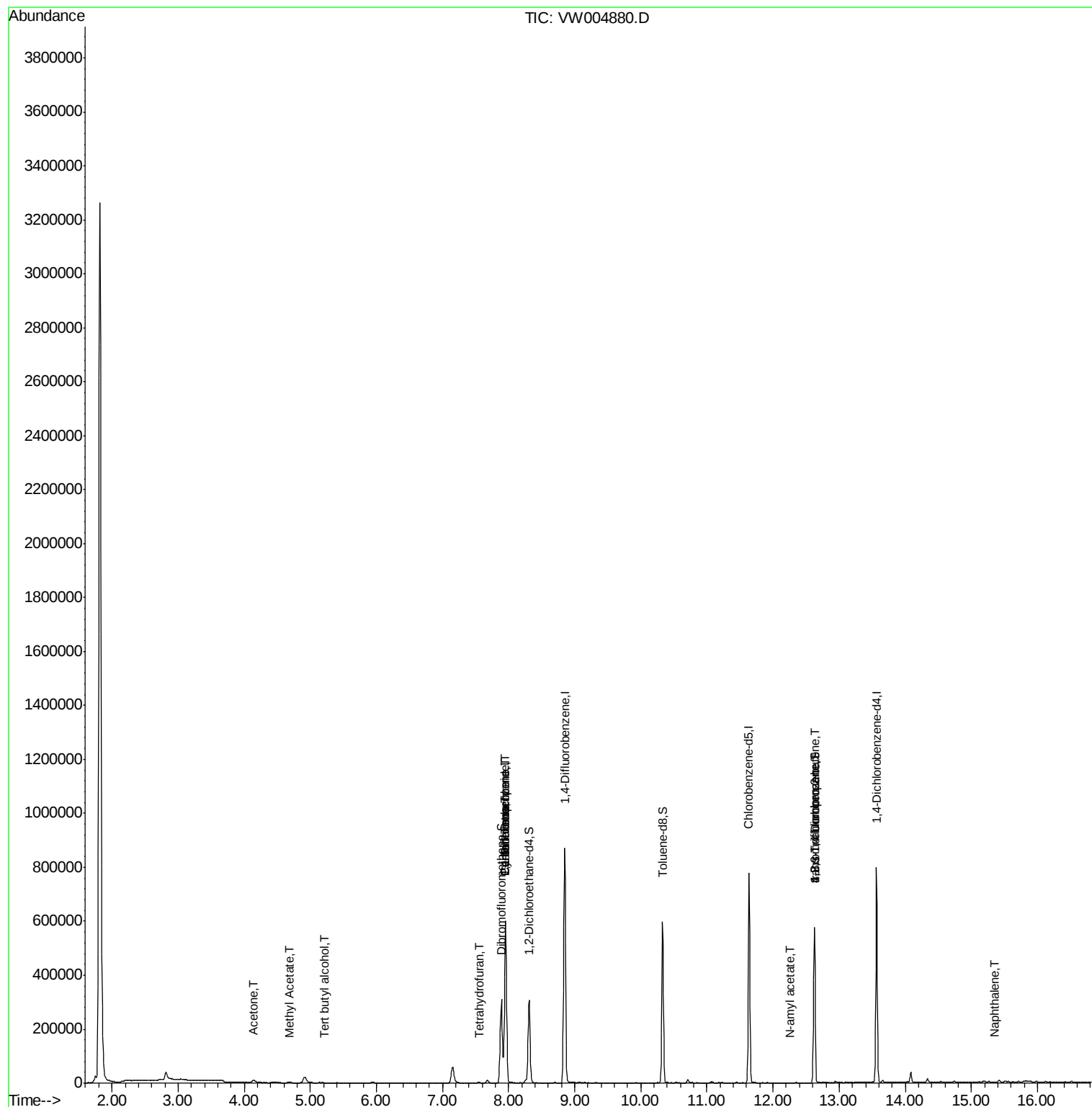
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	996	3.97	ug/l #	79
16) Acetone	4.14	43	18056	15.74	ug/l	98
18) Methyl Acetate	4.68	43	3898	1.59	ug/l #	77
20) Methylene Chloride	4.92	84	18712	Below Cal		94
29) Tetrahydrofuran	7.55	42	854	1.02	ug/l #	79
31) Cyclohexane	7.95	56	8887	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	33529	4.41	ug/l #	48
38) Carbon Tetrachloride	7.95	117	43264	6.18	ug/l #	16
74) N-amyl acetate	12.26	43	115	4.05	ug/l #	50
76) 1,2,3-Trichloropropane	12.63	75	89819	47.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	89819	110.44	ug/l #	14
95) Naphthalene	15.37	128	777	3.59	ug/l #	81

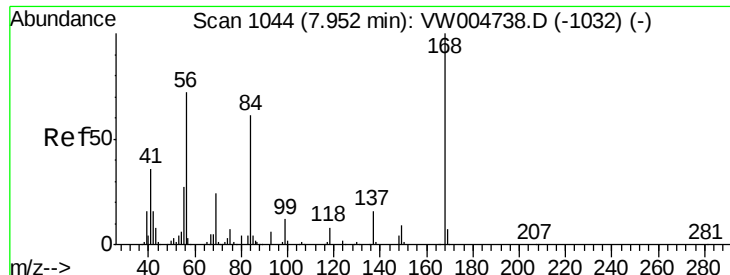
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampleId :

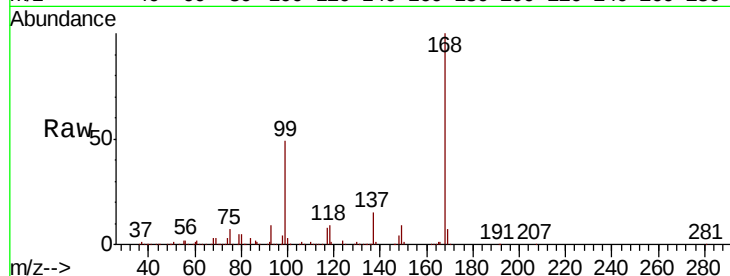
TR-05-082118

Tot Ion:168 Resp: 464669

Ion Ratio Lower Upper

168 100

99 49.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

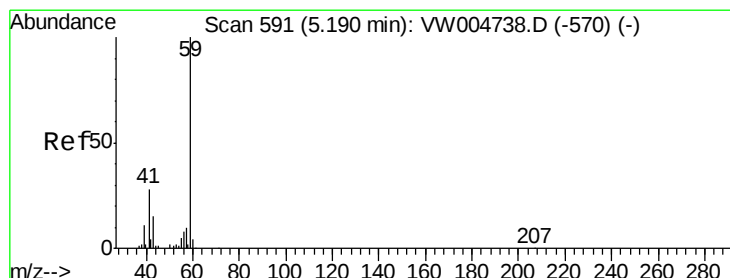
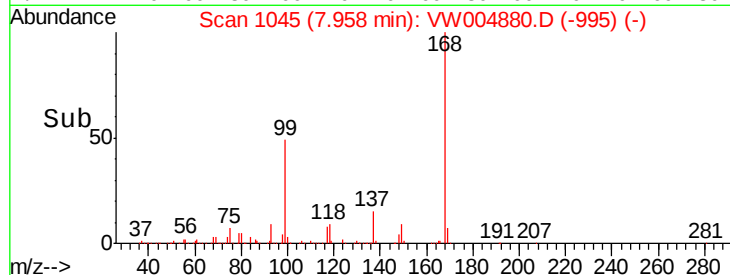
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.97 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004880.D

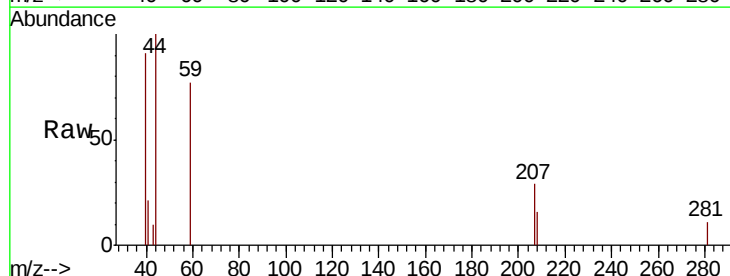
Acq: 22 Aug 2018 10:02

Tgt Ion: 59 Resp: 996

Ion Ratio Lower Upper

59 100

57 2.5 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

400

300

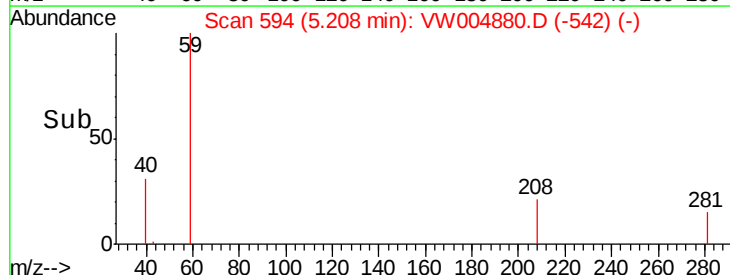
200

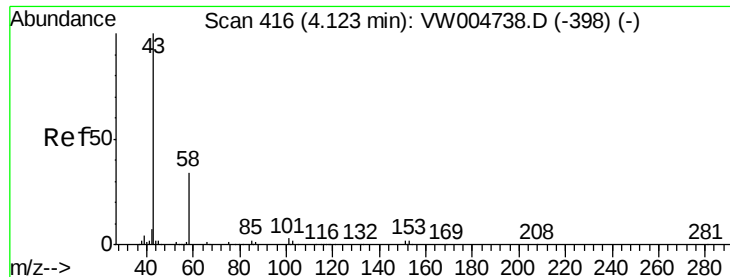
100

0

Time-->

5.15 5.20 5.25 5.30





#16

Acetone

Concen: 15.74 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampleId :

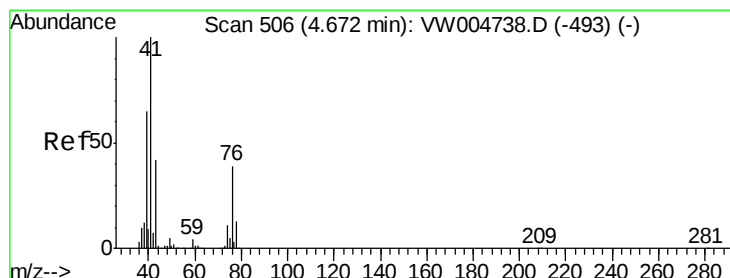
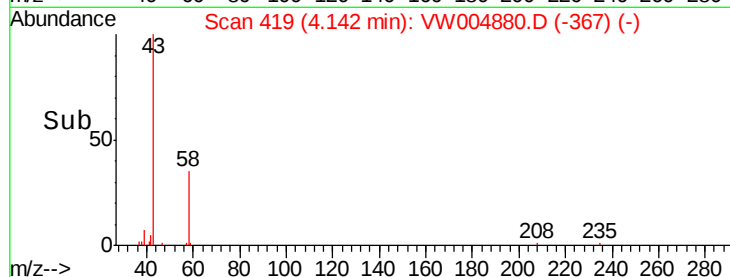
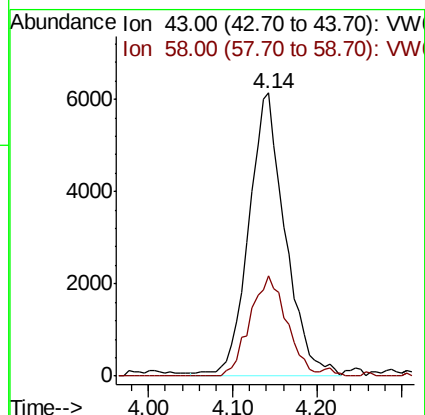
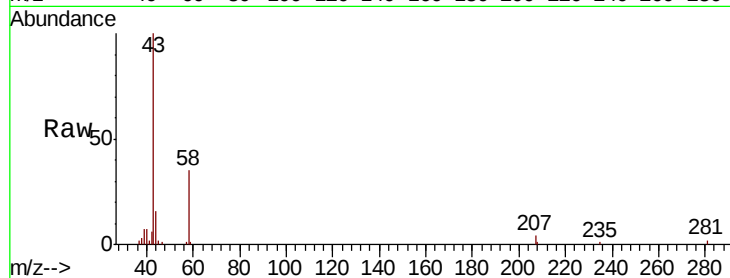
TR-05-082118

Tot Ion: 43 Resp: 18056

Ion Ratio Lower Upper

43 100

58 35.2 27.3 40.9



#18

Methyl Acetate

Concen: 1.59 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004880.D

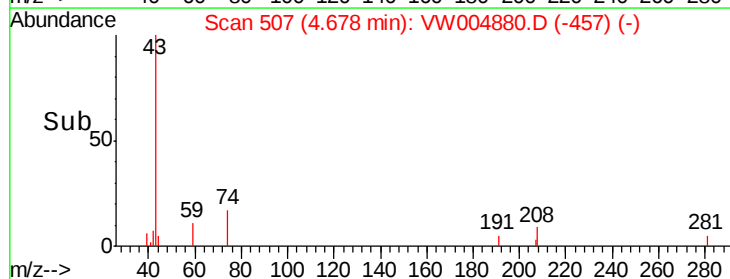
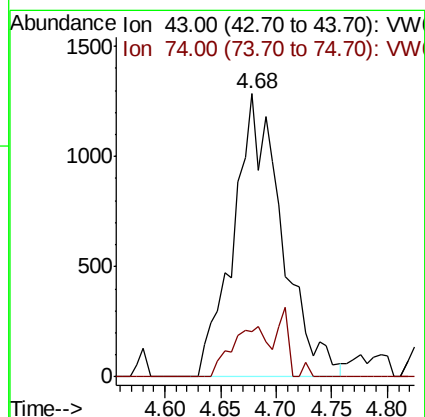
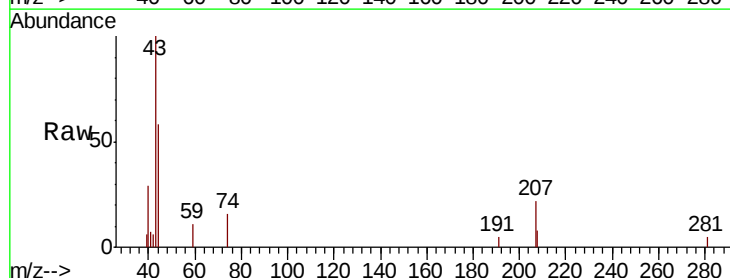
Acq: 22 Aug 2018 10:02

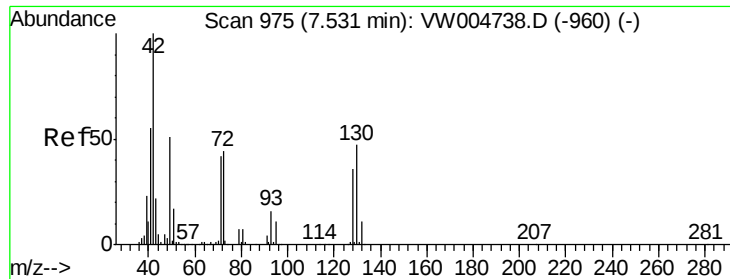
Tgt Ion: 43 Resp: 3898

Ion Ratio Lower Upper

43 100

74 13.3 19.8 29.8#





#29

Tetrahydrofuran

Concen: 1.02 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampleId :

TR-05-082118

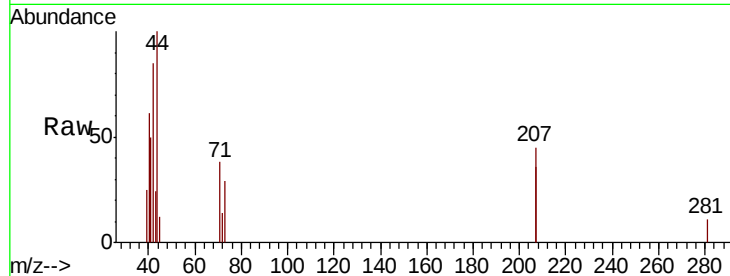
Tot Ion: 42 Resp: 854

Ion Ratio Lower Upper

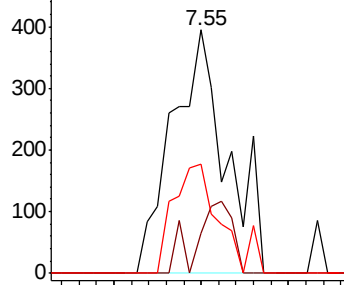
42 100

72 19.9 34.9 52.3#

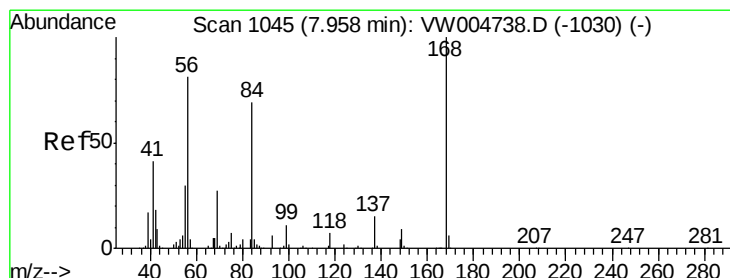
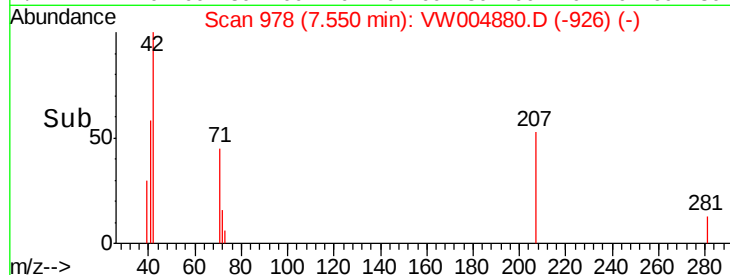
71 39.1 33.8 50.6



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



Time-->



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

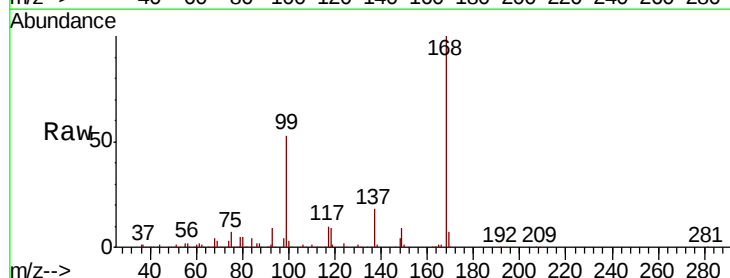
Tgt Ion: 56 Resp: 8887

Ion Ratio Lower Upper

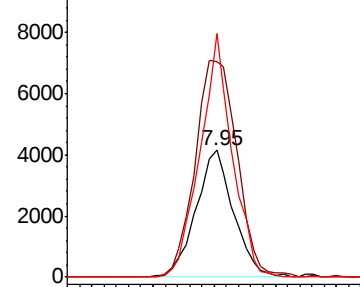
56 100

69 169.9 27.1 40.7#

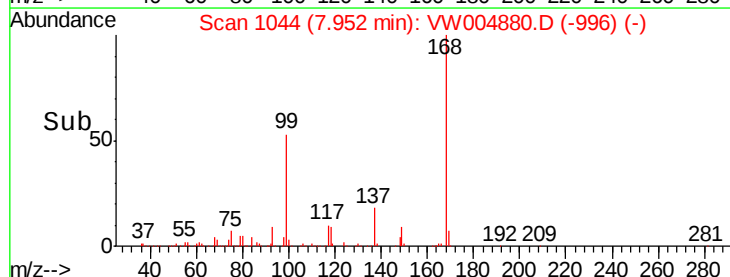
84 192.0 68.3 102.5#

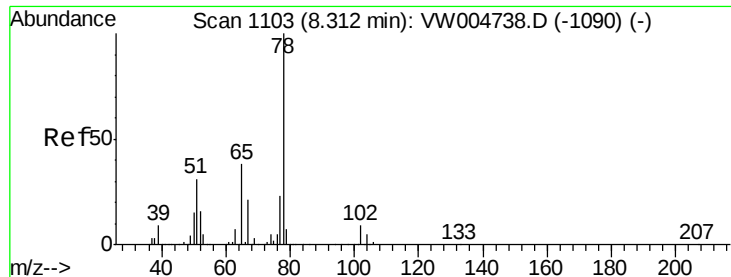


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

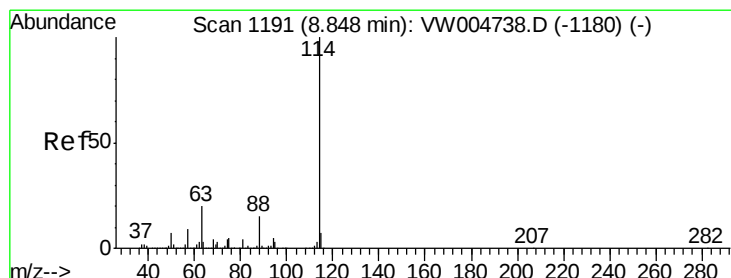
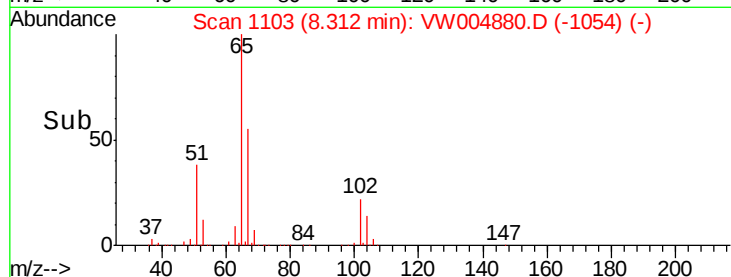
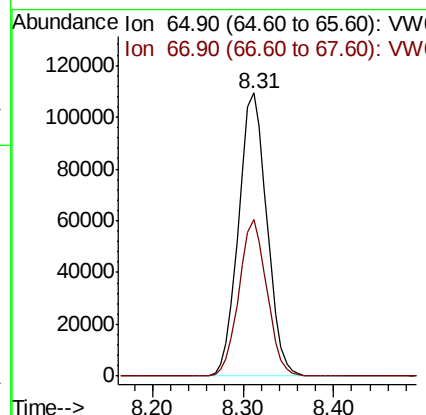
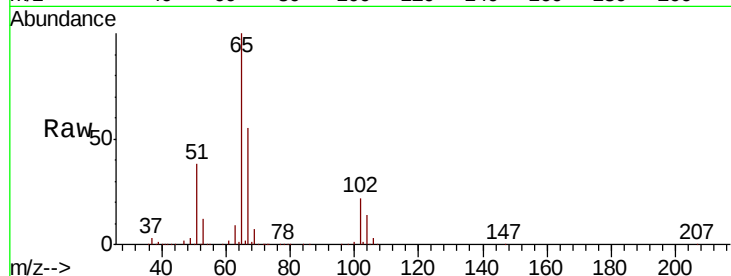




#33
 1,2-Dichloroethane-d4
 Concen: 52.88 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004880.D
 Acq: 22 Aug 2018 10:02

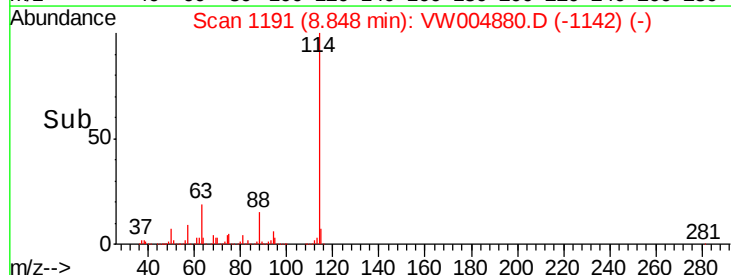
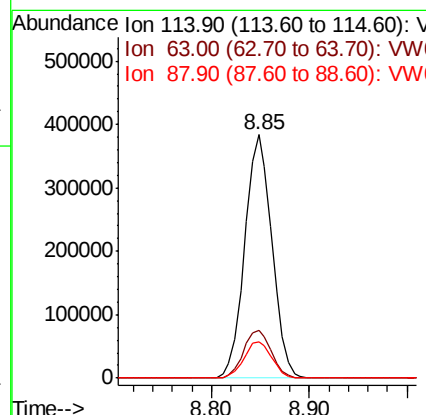
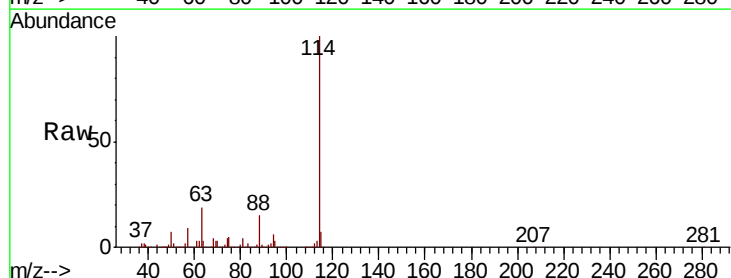
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-082118

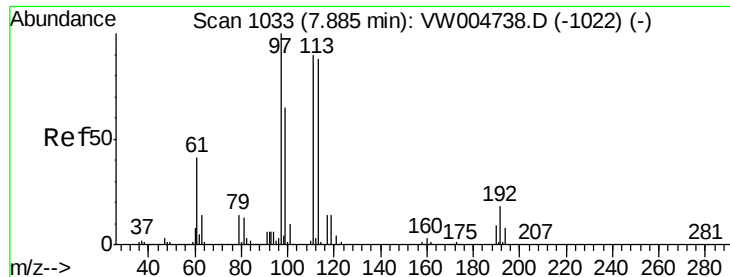
Tot Ion: 65 Resp: 237559
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004880.D
 Acq: 22 Aug 2018 10:02

Tgt Ion: 114 Resp: 738056
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.28 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampled :

TR-05-082118

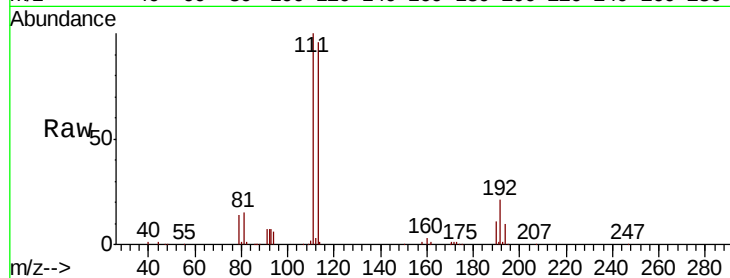
Tot Ion:113 Resp: 227756

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

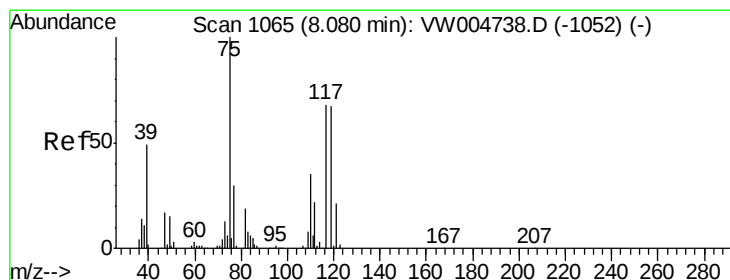
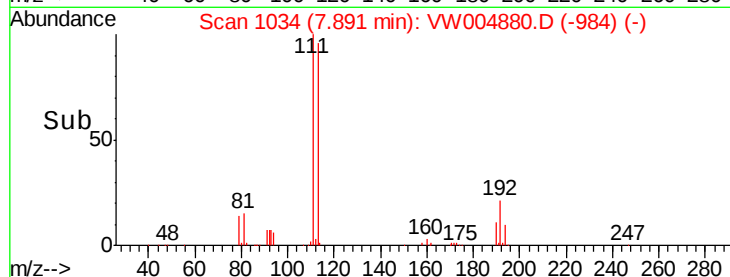
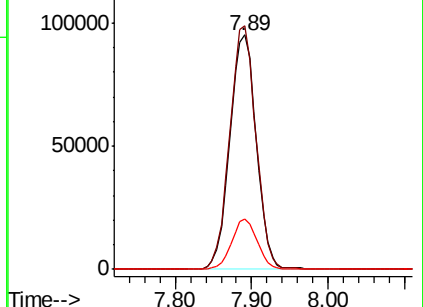
192 20.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.41 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

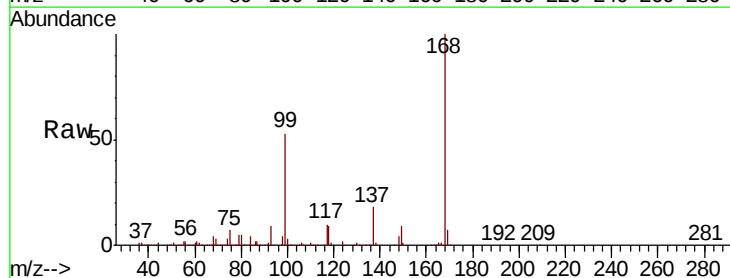
Tgt Ion: 75 Resp: 33529

Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.5#

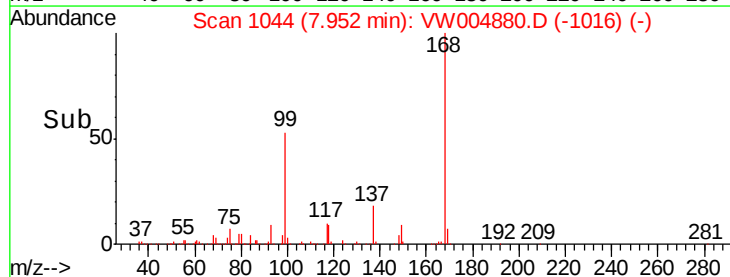
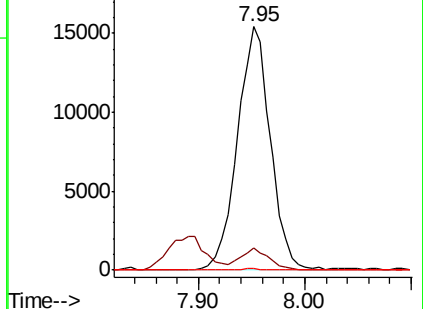
77 0.2 24.9 37.3#

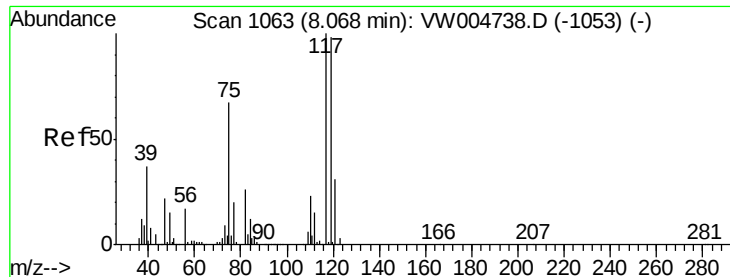


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.18 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

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TR-05-082118

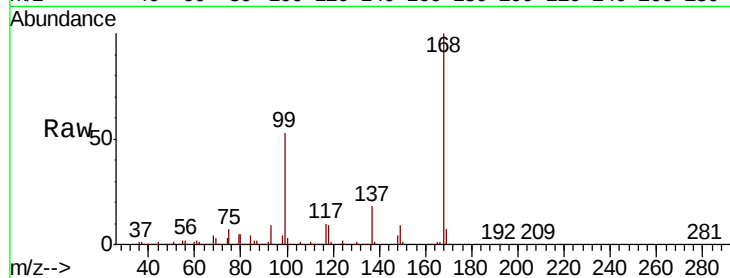
Tot Ion:117 Resp: 43264

Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

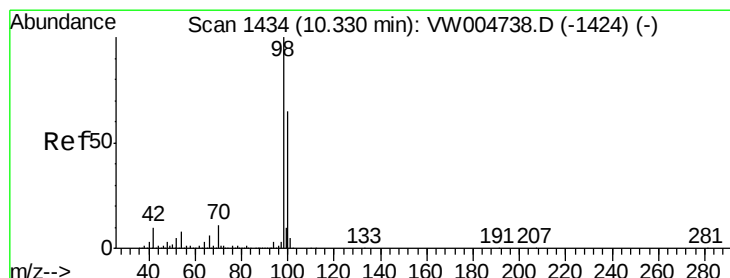
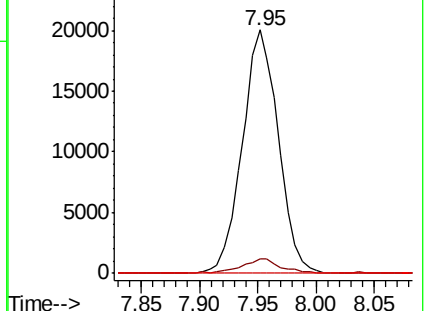
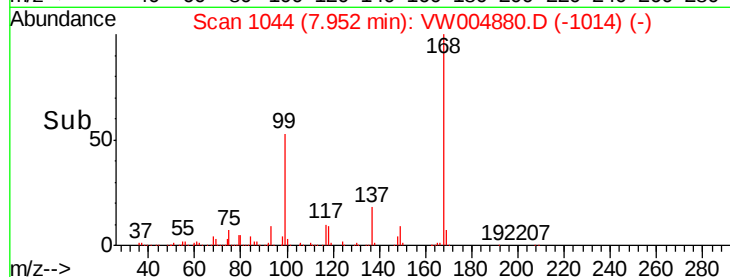
121 0.0 24.8 37.2#



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: 22.06 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004880.D

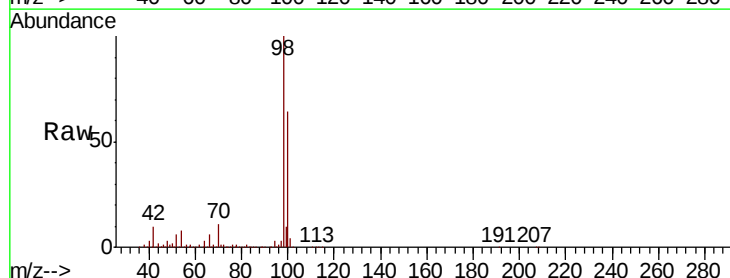
Acq: 22 Aug 2018 10:02

Tgt Ion: 98 Resp: 406287

Ion Ratio Lower Upper

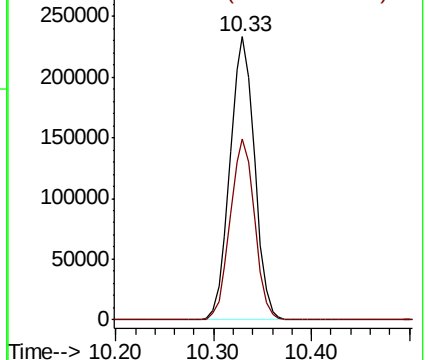
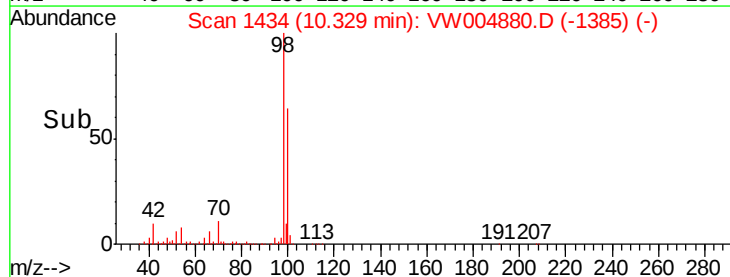
98 100

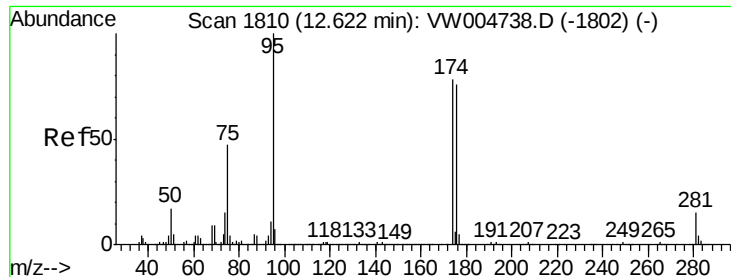
100 63.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

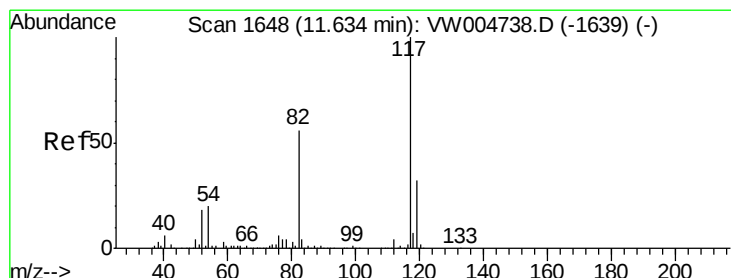
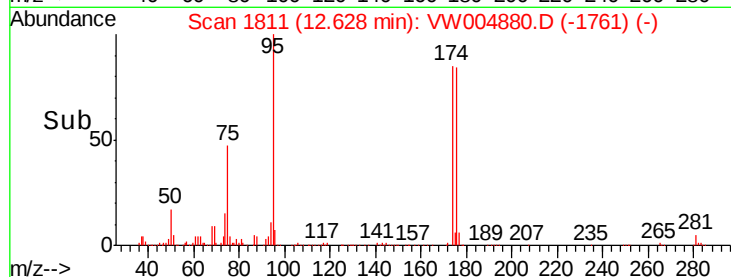
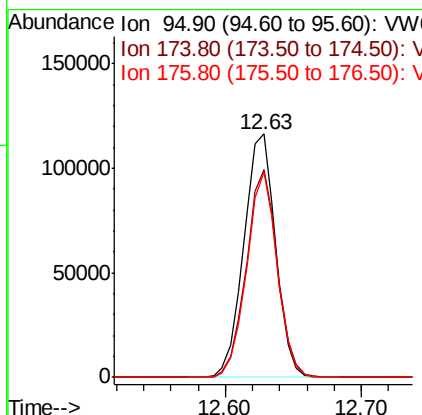
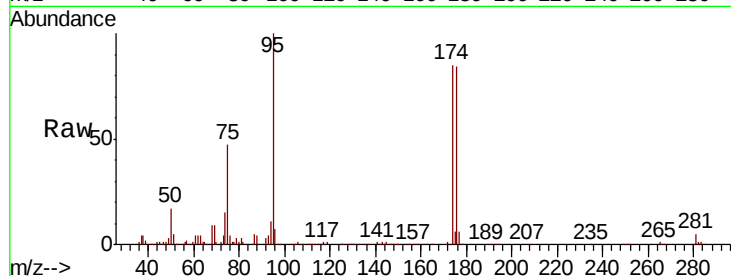




#62
4-Bromofluorobenzene
Concen: 28.65 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004880.D
Acq: 22 Aug 2018 10:02

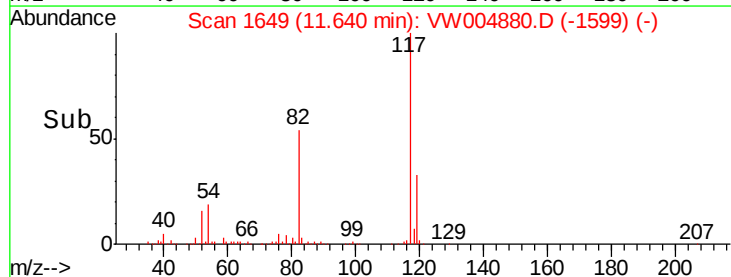
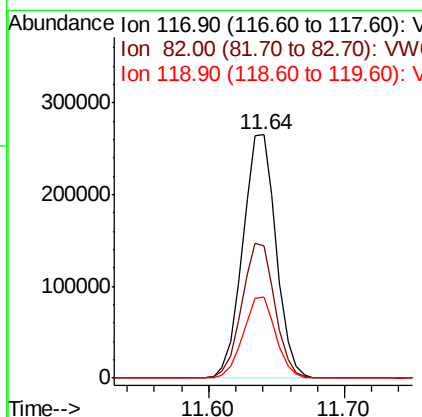
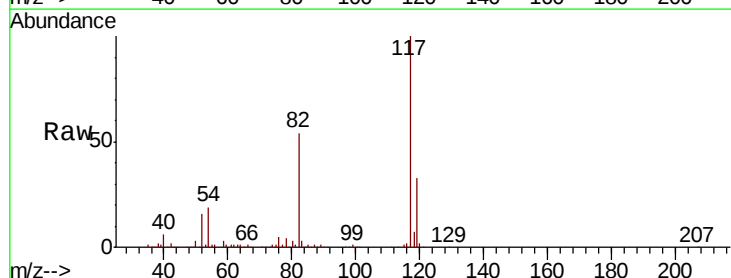
Instrument :
MSVOA_W
ClientSampleId :
TR-05-082118

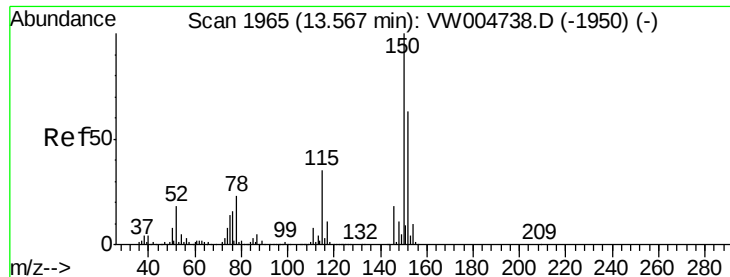
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	165.8
176	81.1	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004880.D
Acq: 22 Aug 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.6	67.0
119	33.3	25.6	38.4

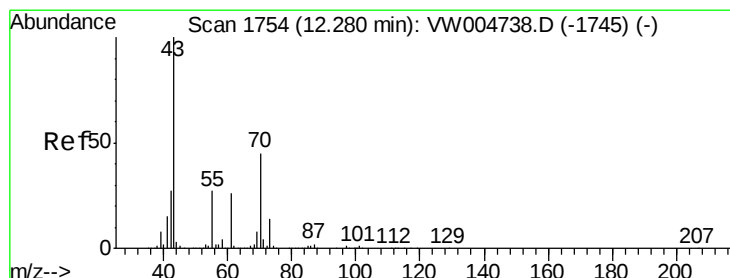
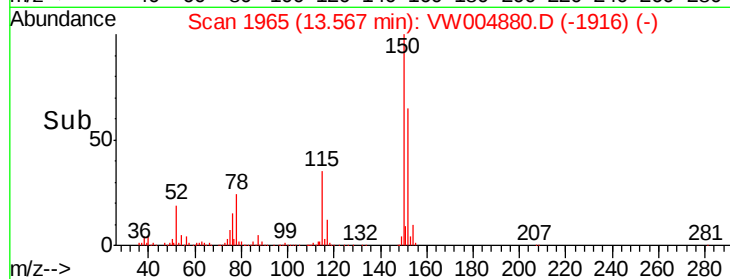
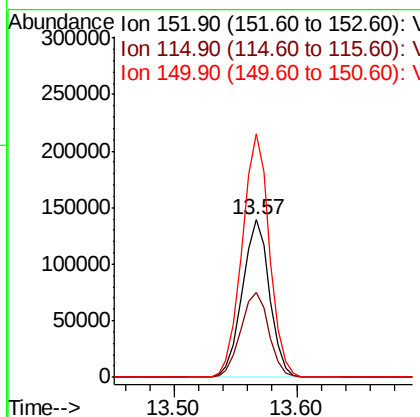
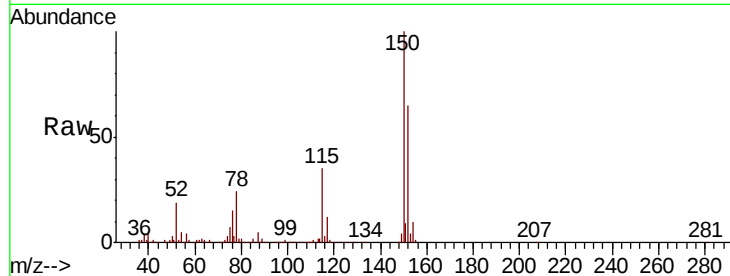




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004880.D
 Acq: 22 Aug 2018 10:02

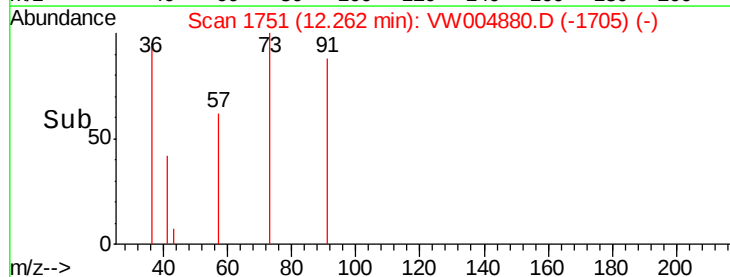
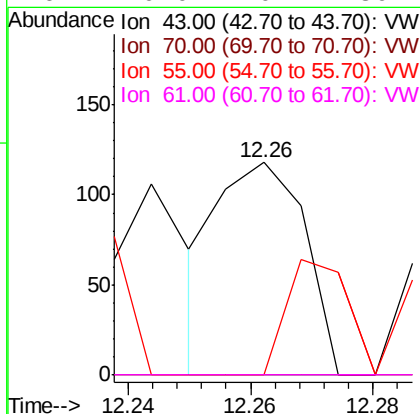
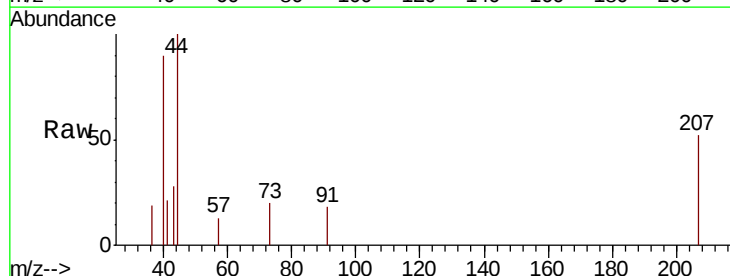
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-082118

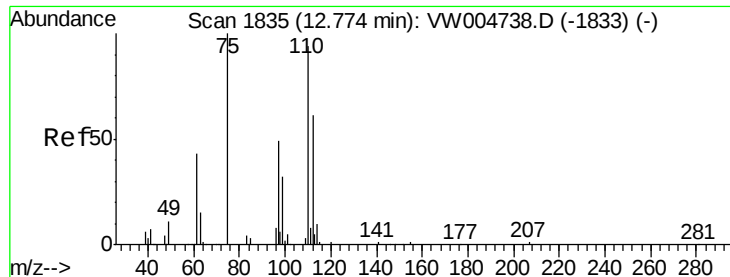
Tot Ion:152 Resp: 214439
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.5 85.5
 150 155.7 0.0 344.8



#74
 N-ethyl acetate
 Concen: 4.05 ug/l
 RT: 12.26 min Scan# 1751
 Delta R.T. -0.02 min
 Lab File: VW004880.D
 Acq: 22 Aug 2018 10:02

Tgt Ion: 43 Resp: 115
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.3 54.5#
 55 38.3 22.6 33.8#
 61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 47.51 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampleId :

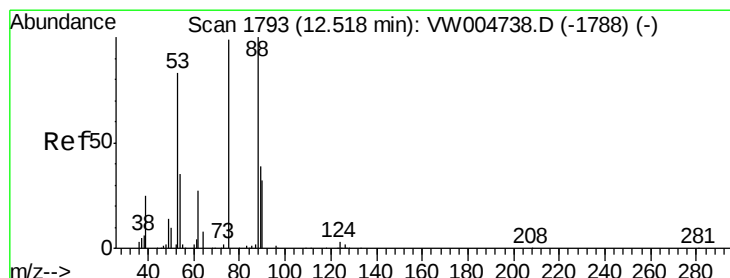
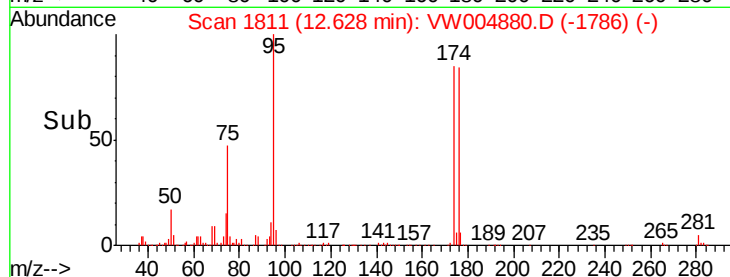
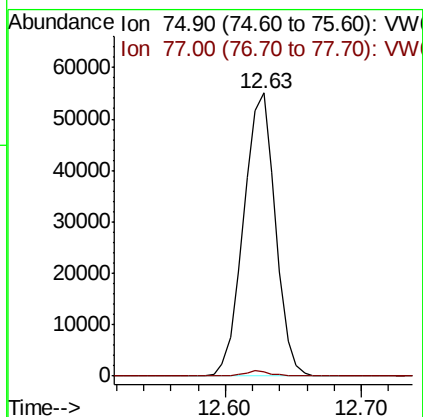
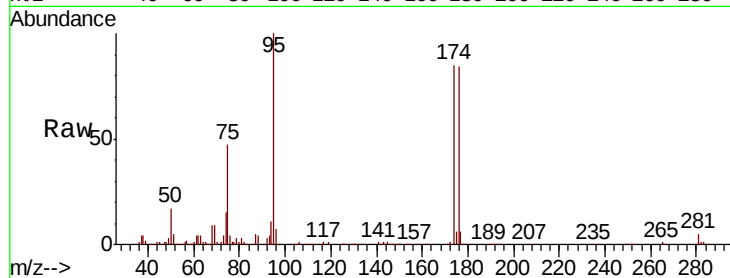
TR-05-082118

Tot Ion: 75 Resp: 89819

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.44 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

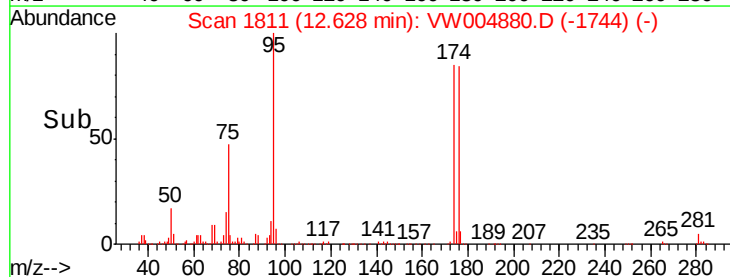
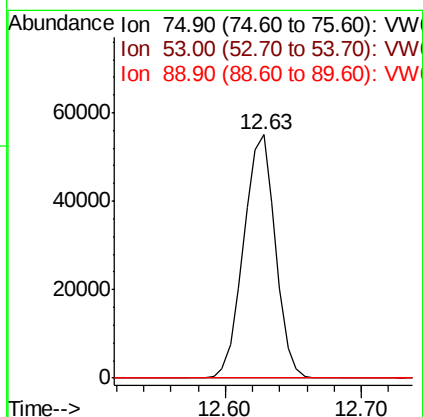
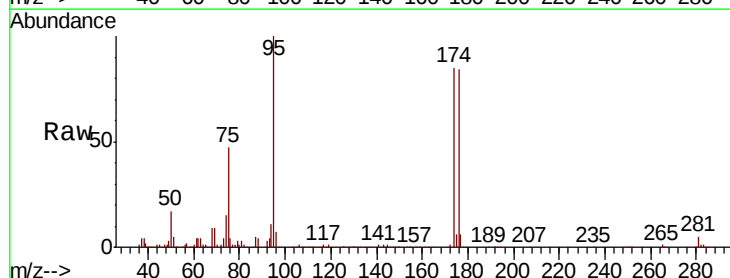
Tgt Ion: 75 Resp: 89819

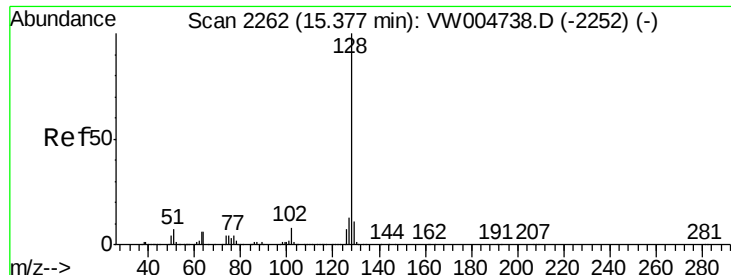
Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.59 ug/l

RT: 15.37 min Scan# 2260

Delta R.T. -0.01 min

Lab File: VW004880.D

Acq: 22 Aug 2018 10:02

Instrument :

MSVOA_W

ClientSampleId :

TR-05-082118

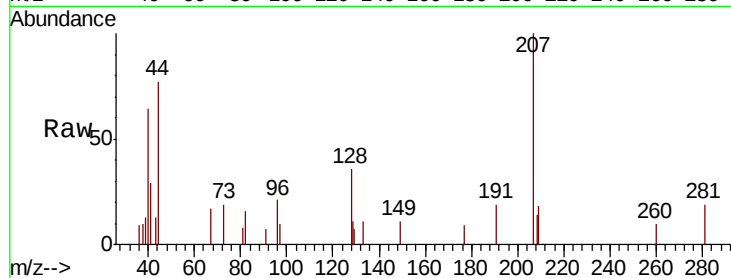
Tot Ion:128 Resp: 777

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 9.8 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

