

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004319.D
 Acq On : 29 Jul 2018 17:48
 Operator : SY/AP
 Sample : J4095-02RE
 Misc : 12.01G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:33:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	375170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	93058	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	142311	64.01	ug/l	0.00
Spiked Amount			Recovery	=	128.02%	
35) Dibromofluoromethane	7.88	113	124753	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.33	98	431354	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.62	95	89136	27.02	ug/l	0.00
Spiked Amount			Recovery	=	54.04%	

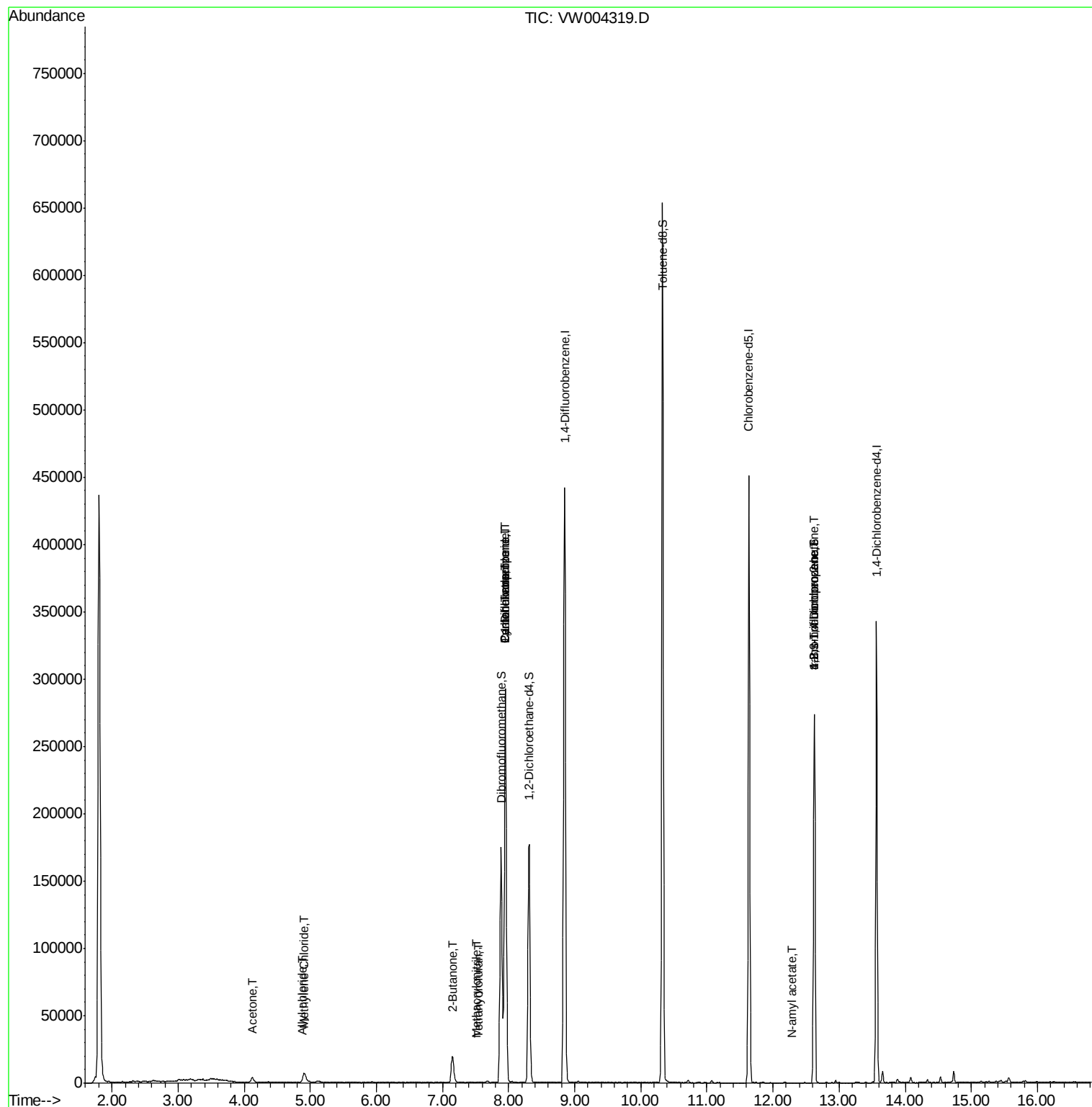
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.27	50	30	Below Cal	#	44
5) Bromomethane	2.95	94	24	Below Cal	#	4
8) Diethyl Ether	3.67	74	50	Below Cal	#	1
11) Tert butyl alcohol	5.10	59	616	Below Cal	#	72
14) Allyl chloride	4.87	41	51	1.525	ug/l #	25
16) Acetone	4.12	43	5855	23.304	ug/l	95
20) Methylene Chloride	4.91	84	6109	1.366	ug/l	97
21) trans-1,2-Dichloroethene	5.40	96	28	Below Cal	#	1
25) 2-Butanone	7.15	43	1323	2.143	ug/l #	82
29) Tetrahydrofuran	7.54	42	160	3.031	ug/l #	35
31) Cyclohexane	7.95	56	4907	1.293	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	17054	4.544	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21355	5.762	ug/l #	15
41) Methacrylonitrile	7.52	41	19	2.115	ug/l #	26
74) N-amyl acetate	12.28	43	21	1.887	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	44428	52.312	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44428	121.722	ug/l #	11

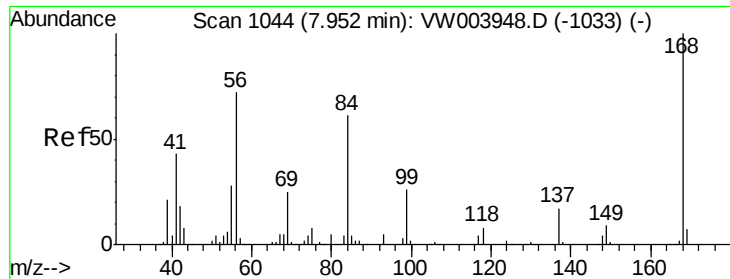
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 30 02:37:04 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: VW004319.D

Acq: 29 Jul 2018 17:48

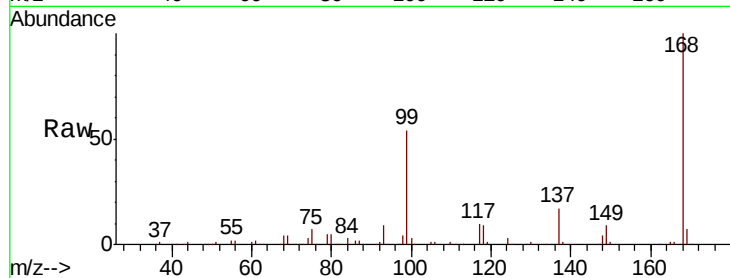
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 220404

Ion Ratio Lower Upper

168 100

99 54.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

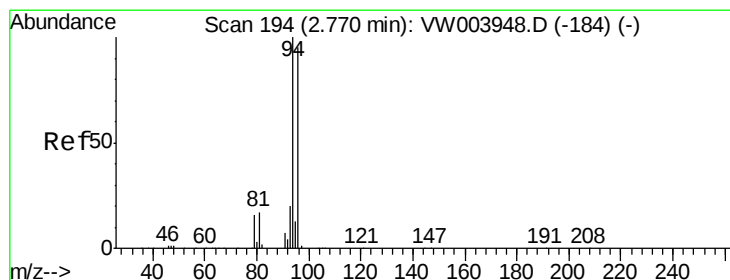
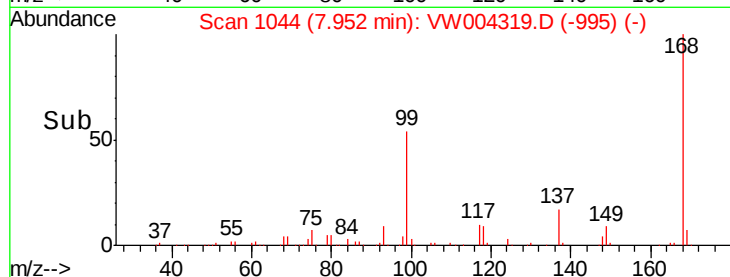
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.95 min Scan# 223

Delta R.T. 0.17 min

Lab File: VW004319.D

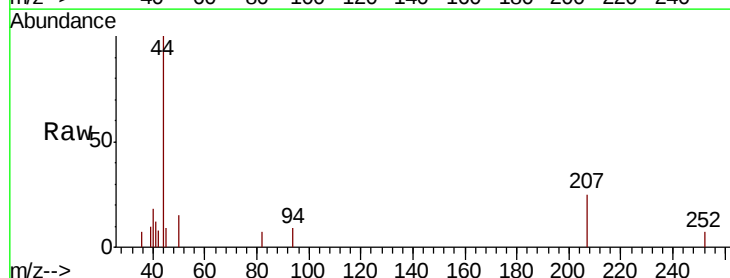
Acq: 29 Jul 2018 17:48

Tgt Ion: 94 Resp: 24

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.95

80

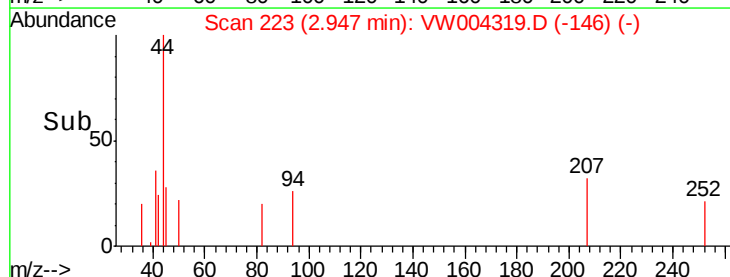
60

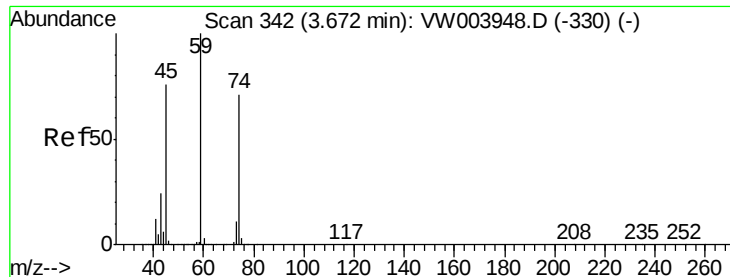
40

20

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

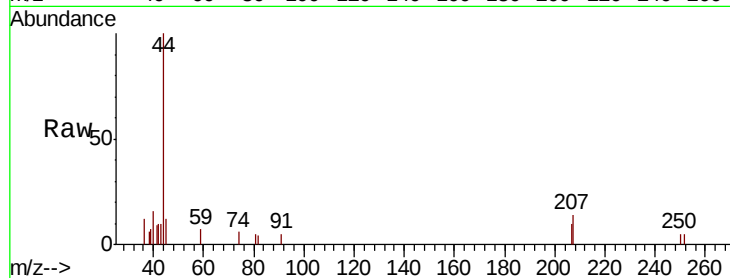
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 74 Resp: 50

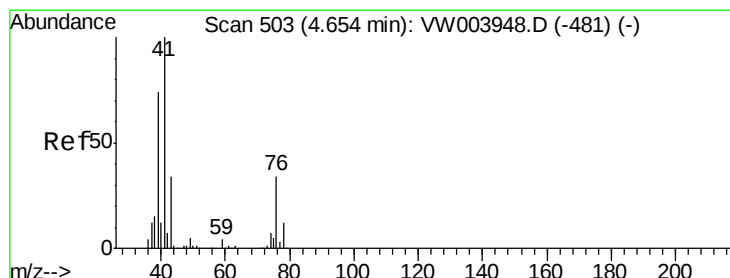
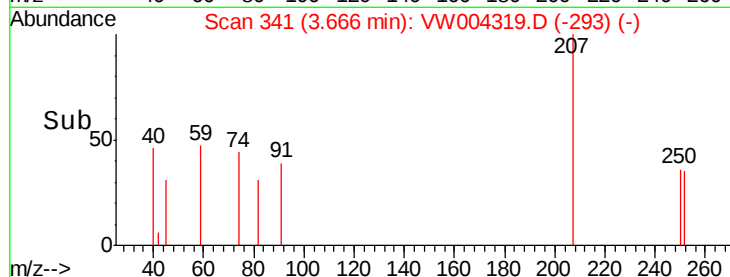
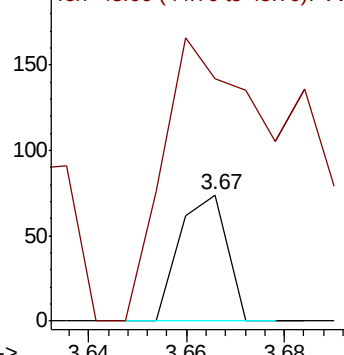
Ion Ratio Lower Upper

74 100

45 614.0 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW



#14

Allyl chloride

Concen: 1.525 ug/l

RT: 4.87 min Scan# 538

Delta R.T. 0.20 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

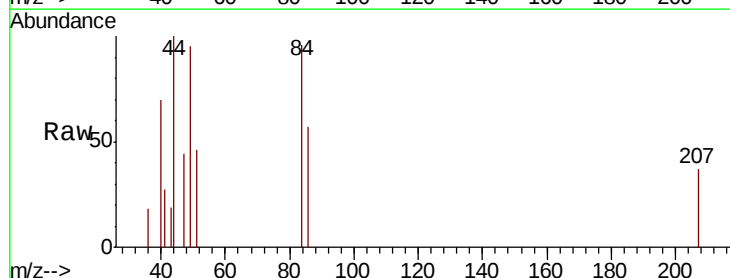
Tgt Ion: 41 Resp: 51

Ion Ratio Lower Upper

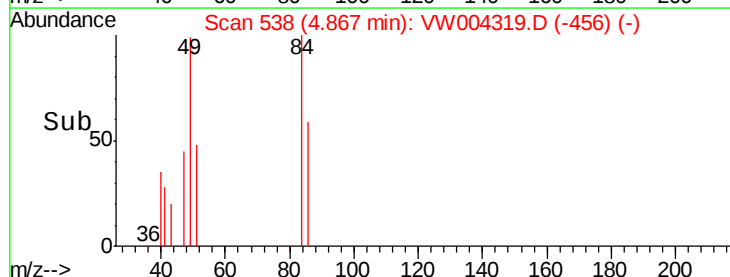
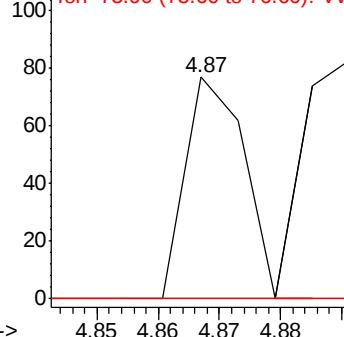
41 100

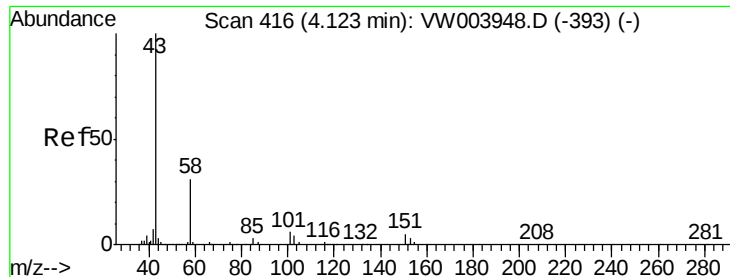
39 0.0 52.3 78.5#

76 0.0 27.3 40.9#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 75.90 (75.60 to 76.60): VW





#16

Acetone

Concen: 23.304 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

Instrument :

MSVOA_W

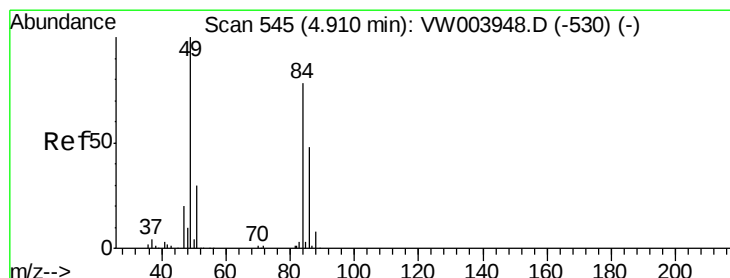
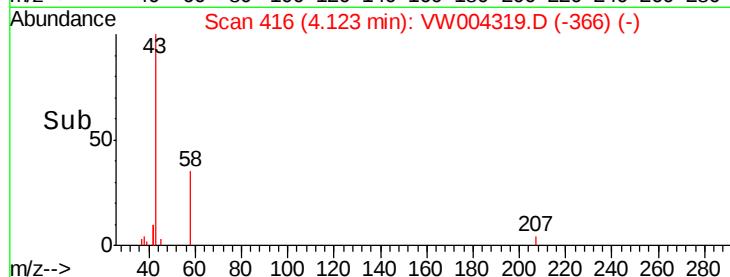
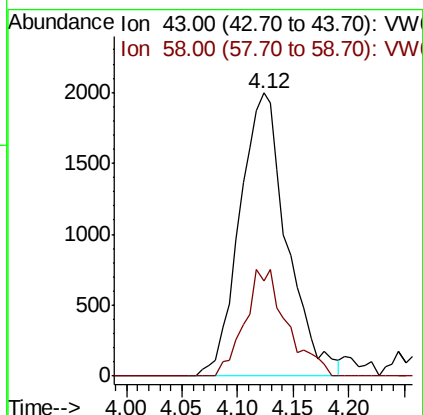
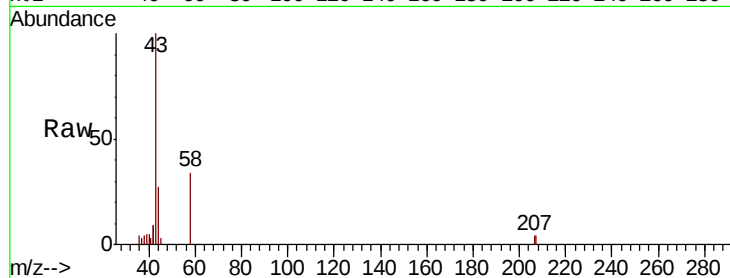
ClientSampled :

Tot Ion: 43 Resp: 5855

Ion Ratio Lower Upper

43 100

58 33.7 24.8 37.2



#20

Methylene Chloride

Concen: 1.366 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

Tgt Ion: 84 Resp: 6109

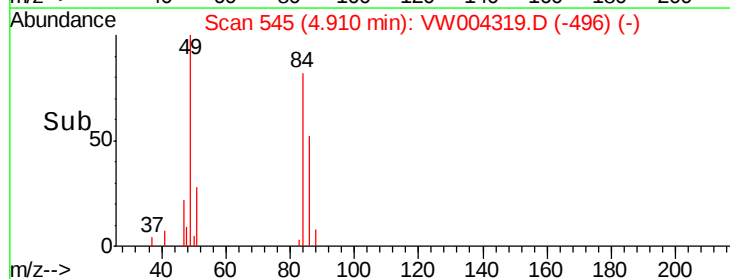
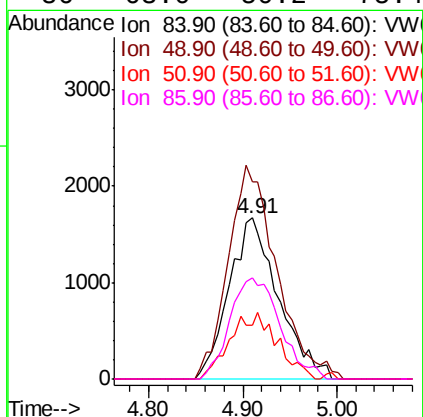
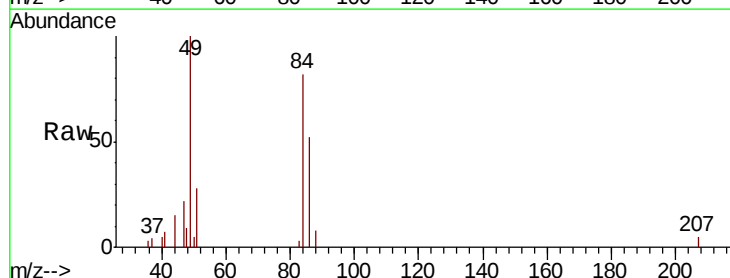
Ion Ratio Lower Upper

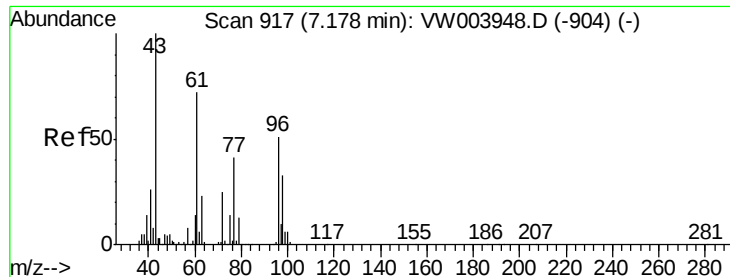
84 100

49 122.3 100.5 150.7

51 33.9 30.9 46.3

86 63.0 50.2 75.4





#25

2-Butanone

Concen: 2.143 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

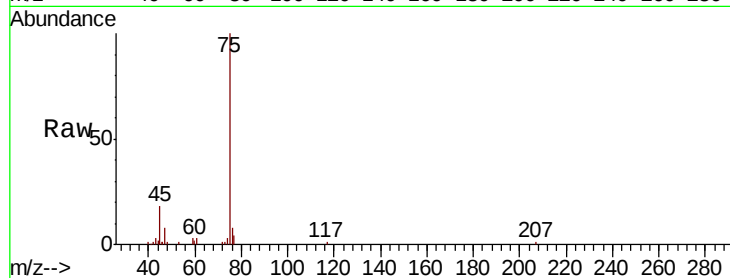
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1323

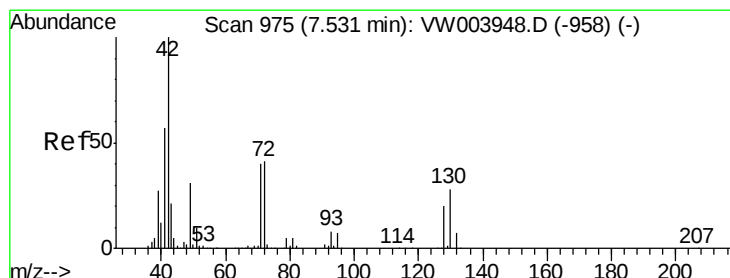
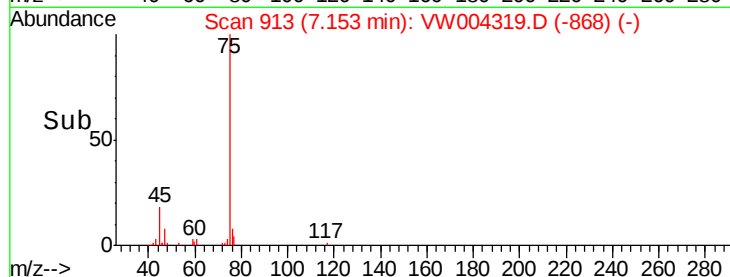
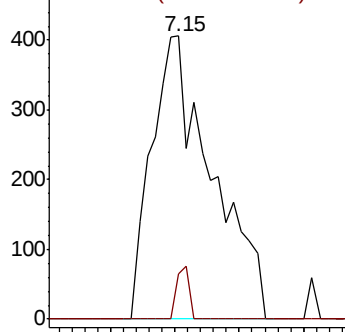
Ion Ratio Lower Upper

43 100

72 16.3 20.3 30.5#



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



#29

Tetrahydrofuran

Concen: 3.031 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

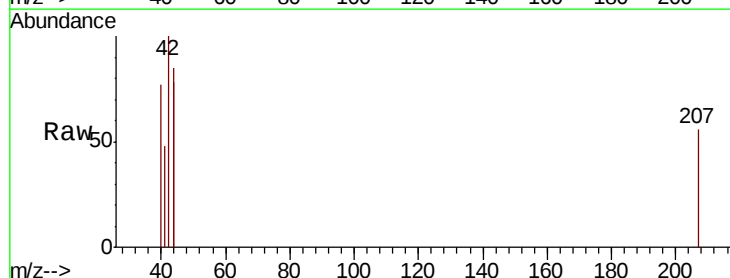
Tgt Ion: 42 Resp: 160

Ion Ratio Lower Upper

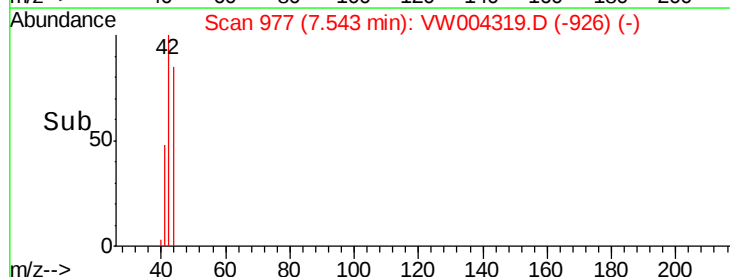
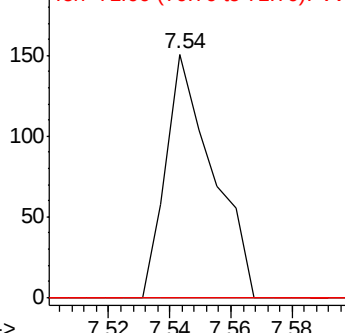
42 100

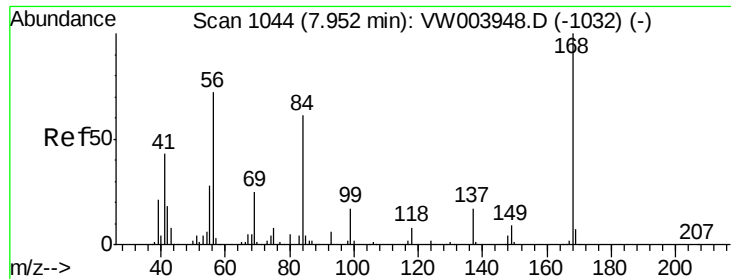
72 0.0 32.6 48.8#

71 0.0 31.3 46.9#



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

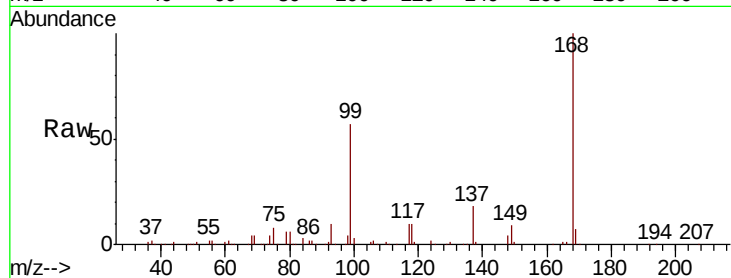




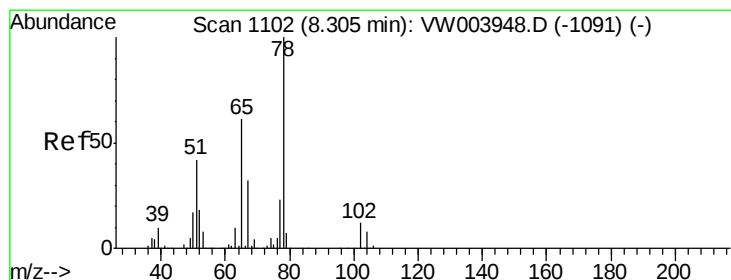
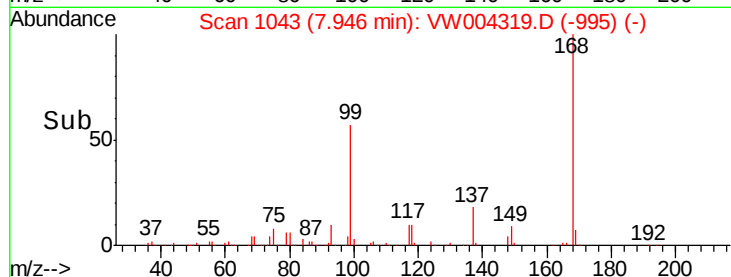
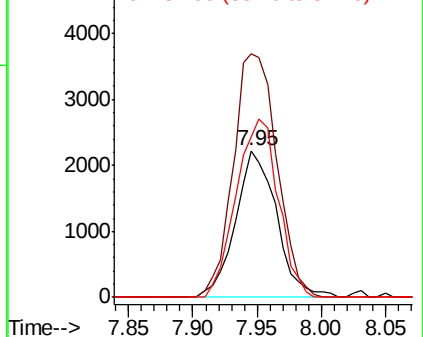
#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 166.2 26.3 39.5#
84 109.3 66.2 99.4#

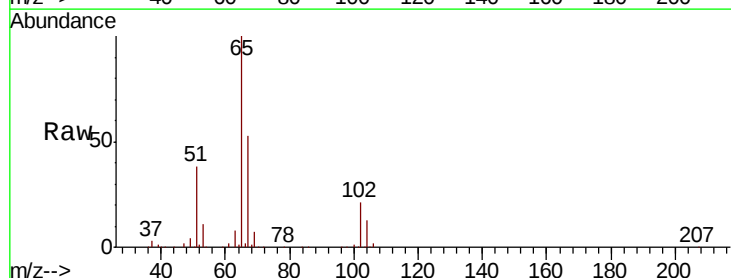


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

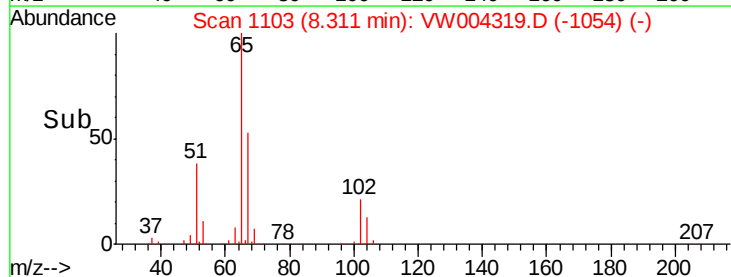
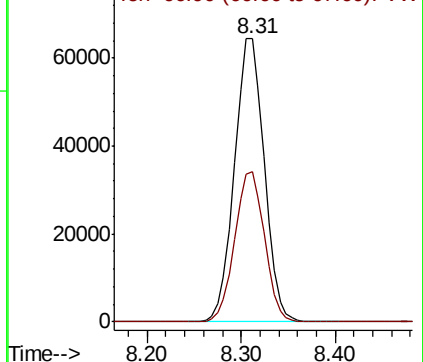


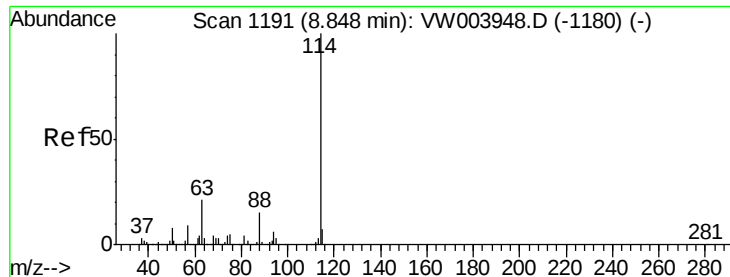
#33
1,2-Dichloroethane-d4
Concen: 64.010 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Tgt Ion: 65 Resp: 142311
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

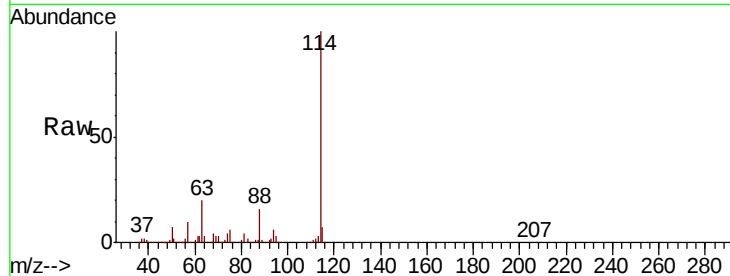




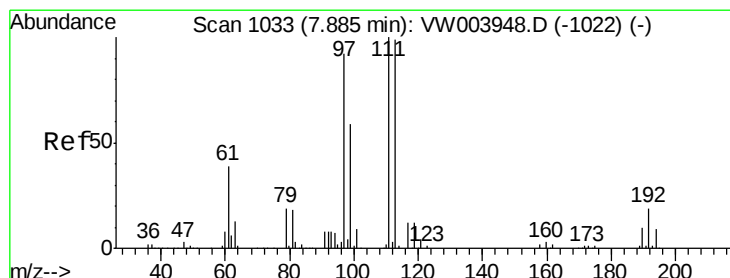
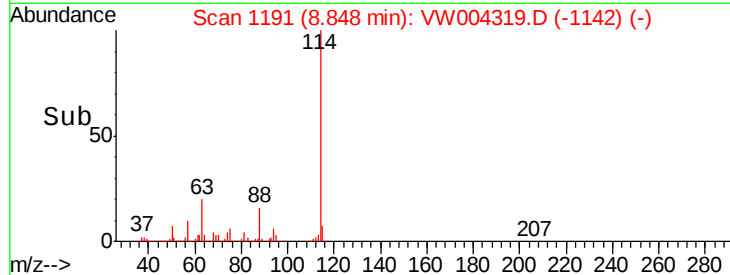
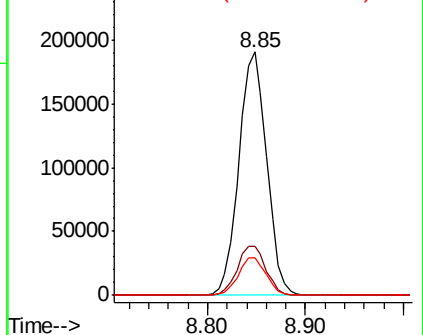
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 375170
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.4
88 15.6 0.0 30.6

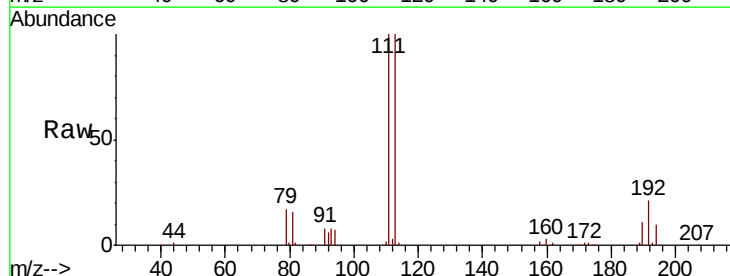


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

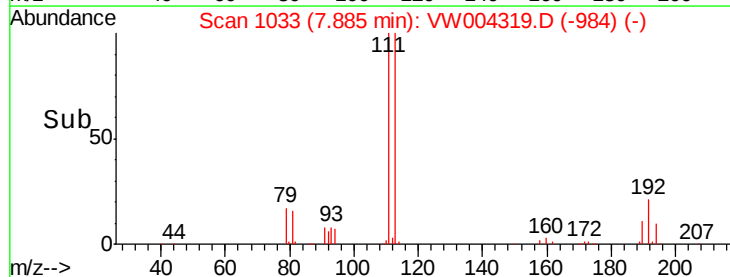
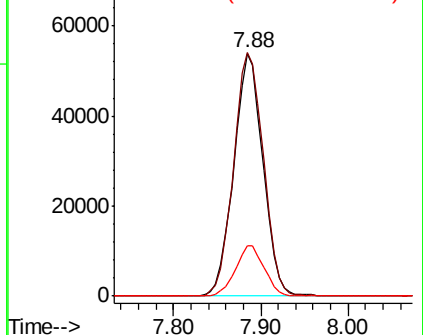


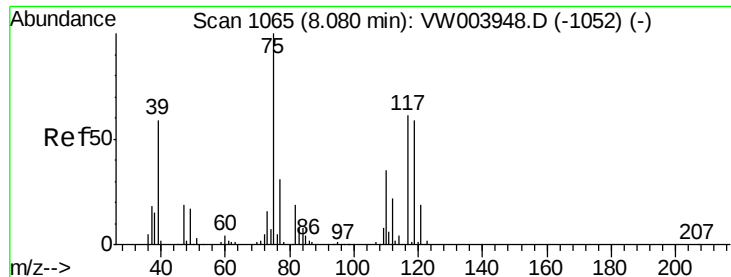
#35
Dibromofluoromethane
Concen: 52.618 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Tgt Ion:113 Resp: 124753
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 20.6 16.2 24.4



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

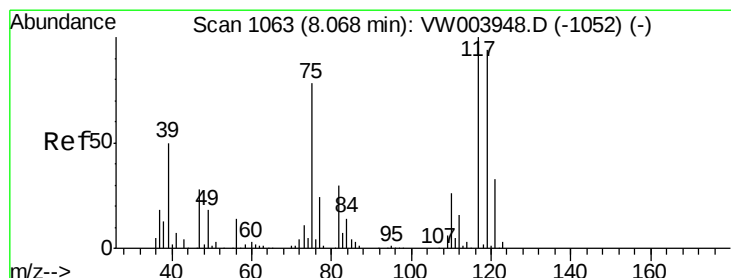
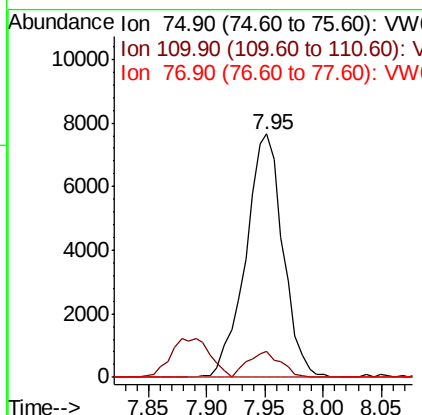
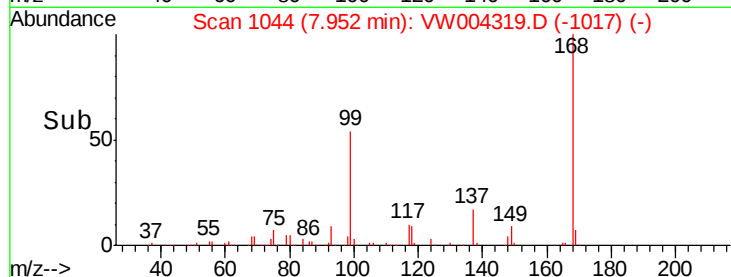
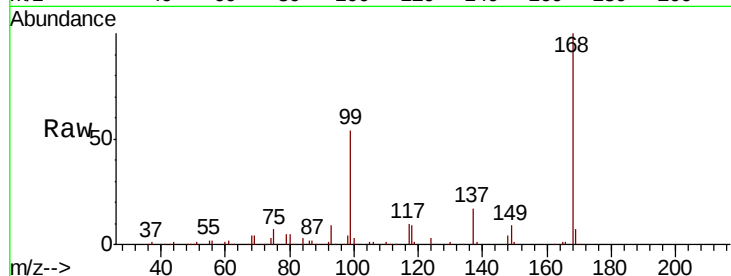




#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004319.D
 Acq: 29 Jul 2018 17:48

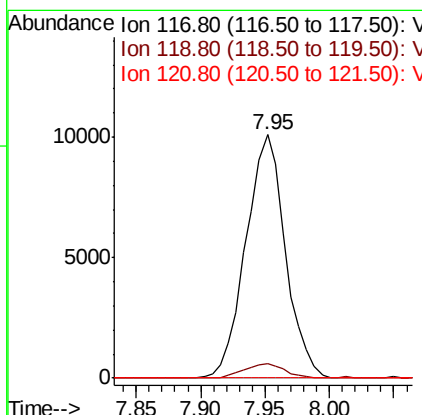
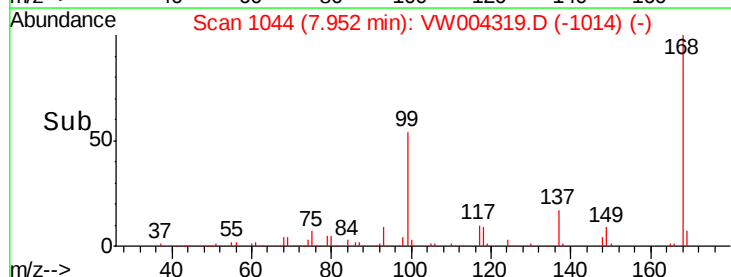
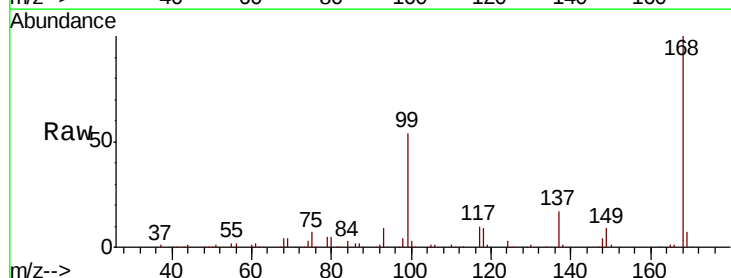
Instrument :
 MSVOA_W
 ClientSampled :

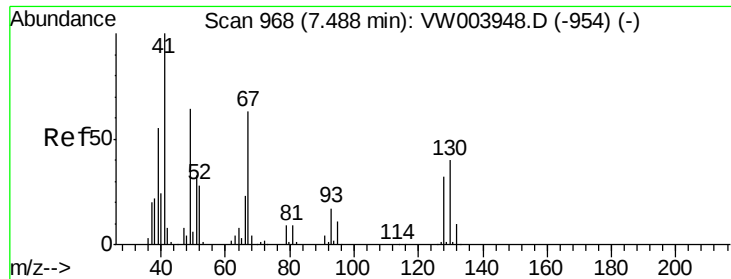
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.3	52.0#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.762 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004319.D
 Acq: 29 Jul 2018 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.7	119.5#
121	0.0	25.7	38.5#

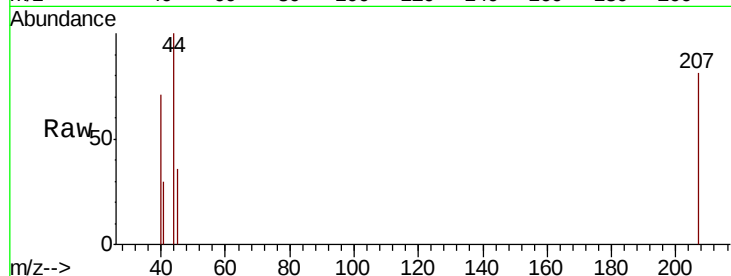




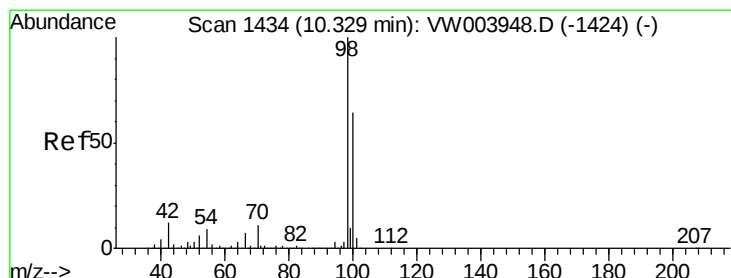
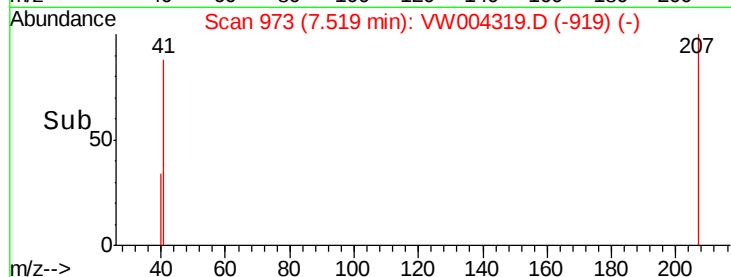
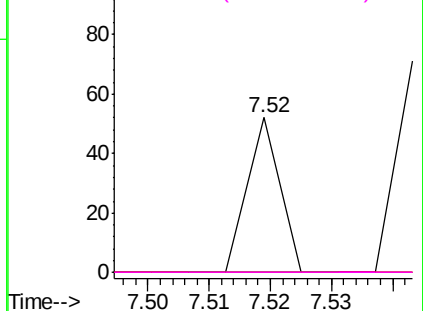
#41
Methacrylonitrile
Concen: 2.115 ug/l
RT: 7.52 min Scan# 973
Delta R.T. 0.03 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	19
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.2	61.8#
67	0.0	53.4	80.0#
52	0.0	22.4	33.6#

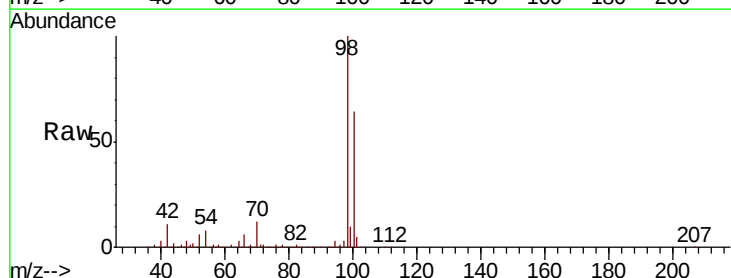


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

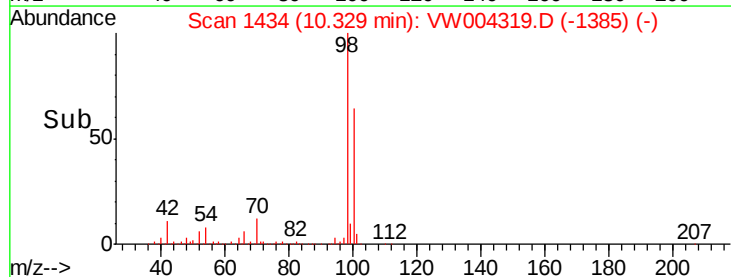
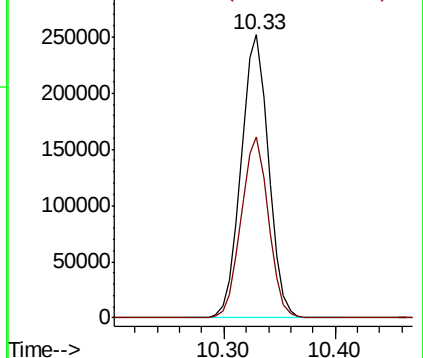


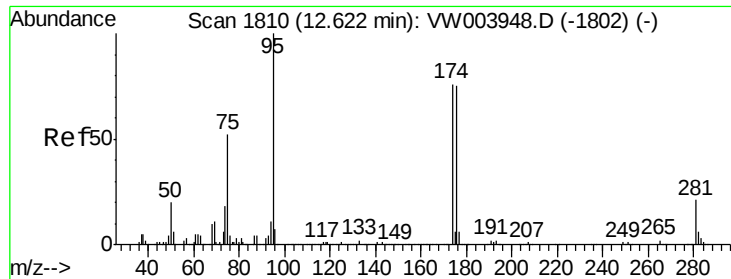
#50
Toluene-d8
Concen: 46.035 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Tgt Ion:	98	Resp:	431354
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3



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





#62

4-Bromofluorobenzene

Concen: 27.017 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

Instrument :

MSVOA_W

ClientSampled :

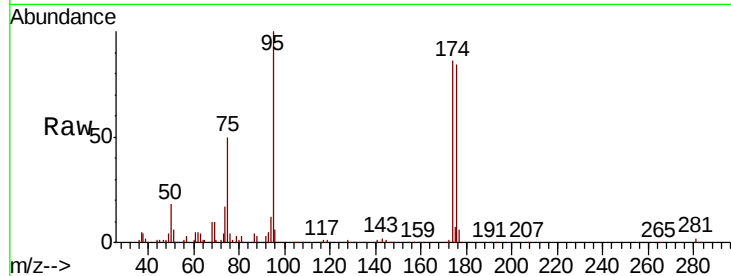
Tot Ion: 95 Resp: 89136

Ion Ratio Lower Upper

95 100

174 91.9 0.0 167.8

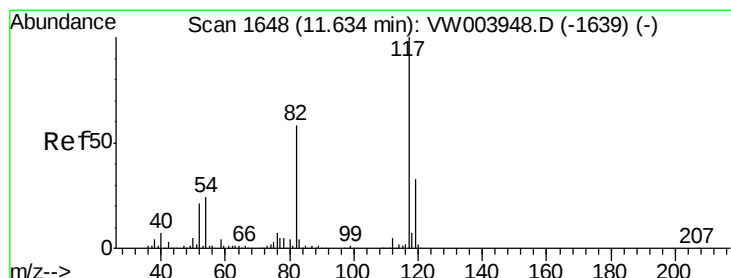
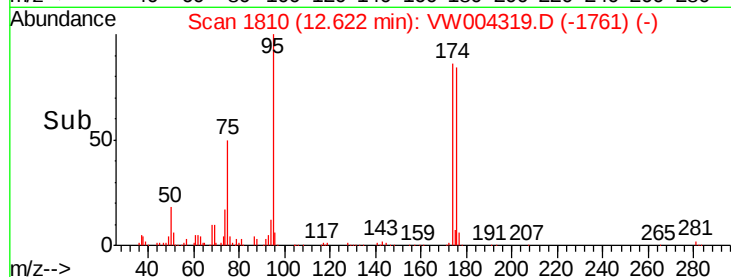
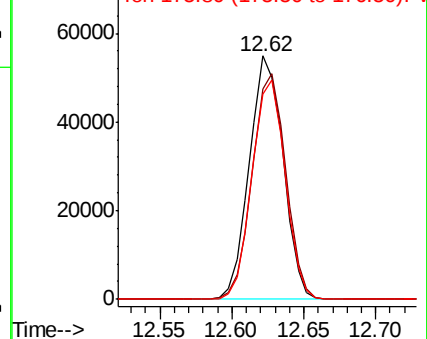
176 88.4 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004319.D

Acq: 29 Jul 2018 17:48

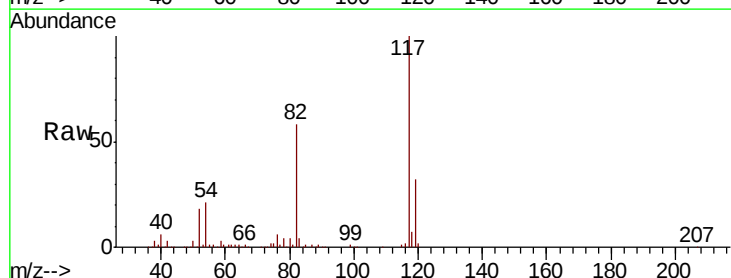
Tgt Ion: 117 Resp: 256511

Ion Ratio Lower Upper

117 100

82 58.5 47.9 71.9

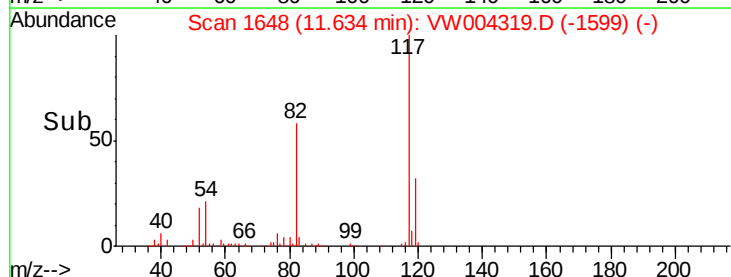
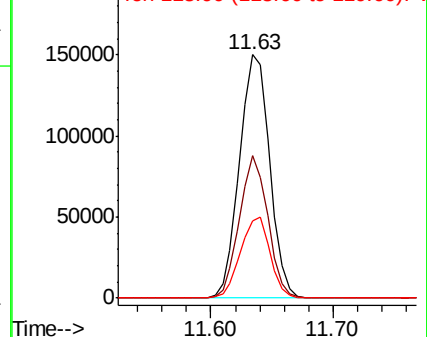
119 31.6 27.1 40.7

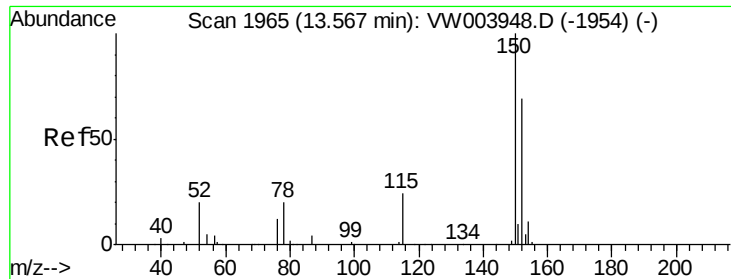


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



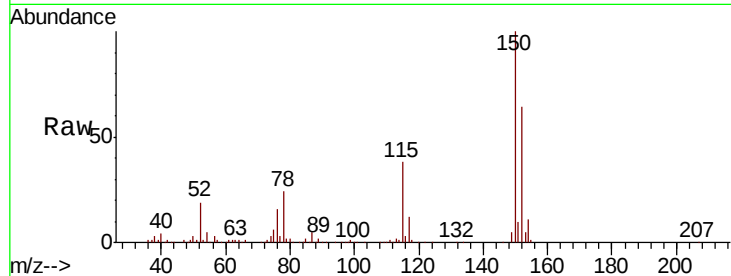


#72

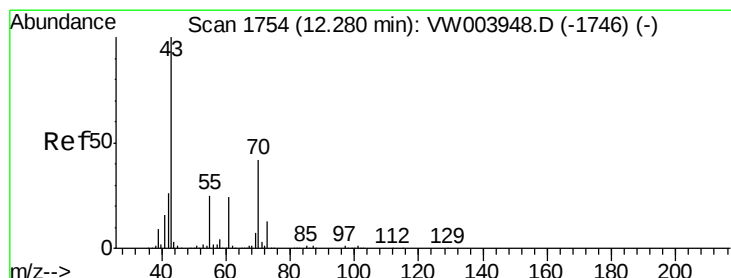
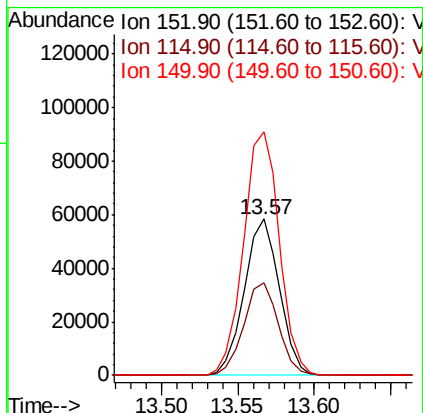
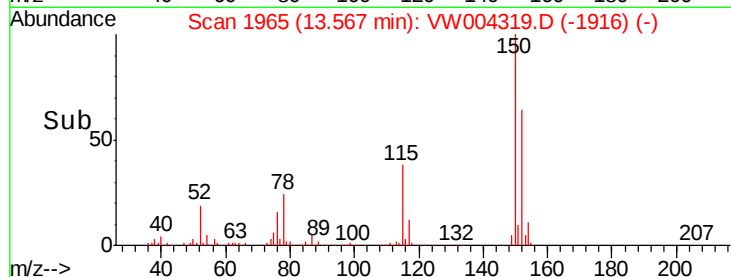
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 93058
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.4
150 159.1 0.0 346.4



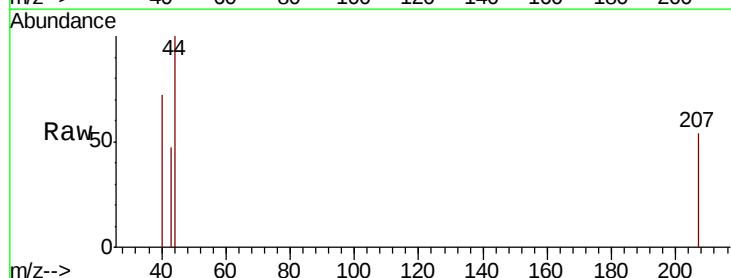
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



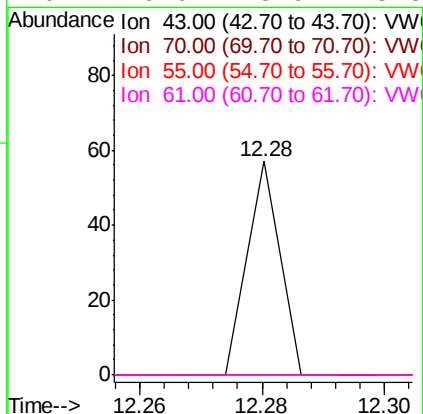
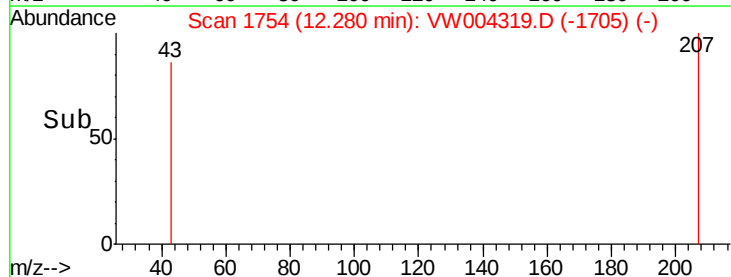
#74

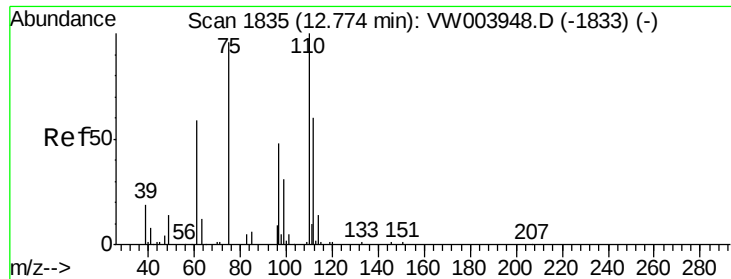
N-ethyl acetate
Concen: 1.887 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004319.D
Acq: 29 Jul 2018 17:48

Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 0.0 21.8 32.8#
61 0.0 18.9 28.3#



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

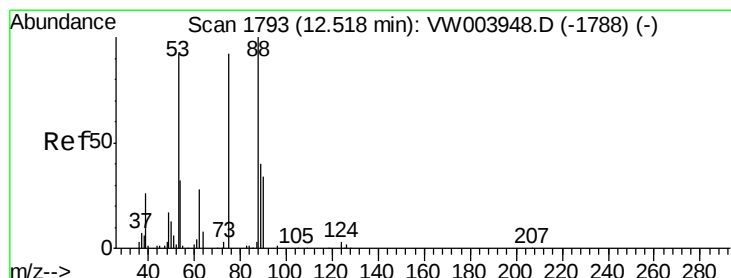
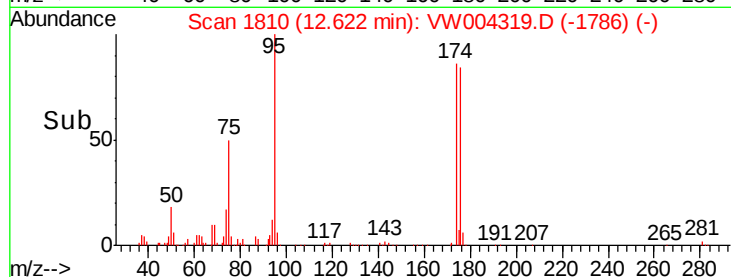
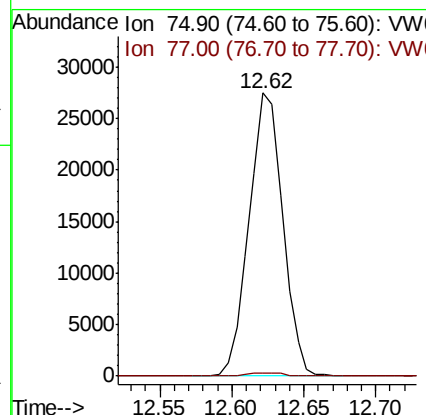
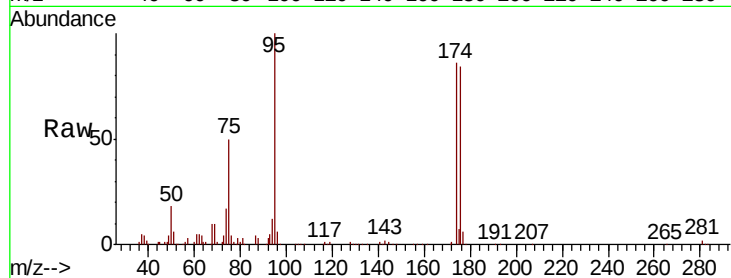




#76
 1,2,3-Trichloropropane
 Concen: 52.312 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004319.D
 Acq: 29 Jul 2018 17:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 44428
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.722 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004319.D
 Acq: 29 Jul 2018 17:48

Tgt Ion: 75 Resp: 44428
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.6 116.4#
 89 0.0 36.0 54.0#

