

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002305.D
 Acq On : 08 May 2018 19:48
 Operator : JC/SY
 Sample : J2681-01RE
 Misc : 6.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-050218-ARE

Quant Time: May 09 08:26:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	161130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	252276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	209950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	76473	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	7.88	113	73589	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
50) Toluene-d8	10.33	98	221106	35.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.72%	
62) 4-Bromofluorobenzene	12.63	95	76251	34.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.44%	

Target Compounds

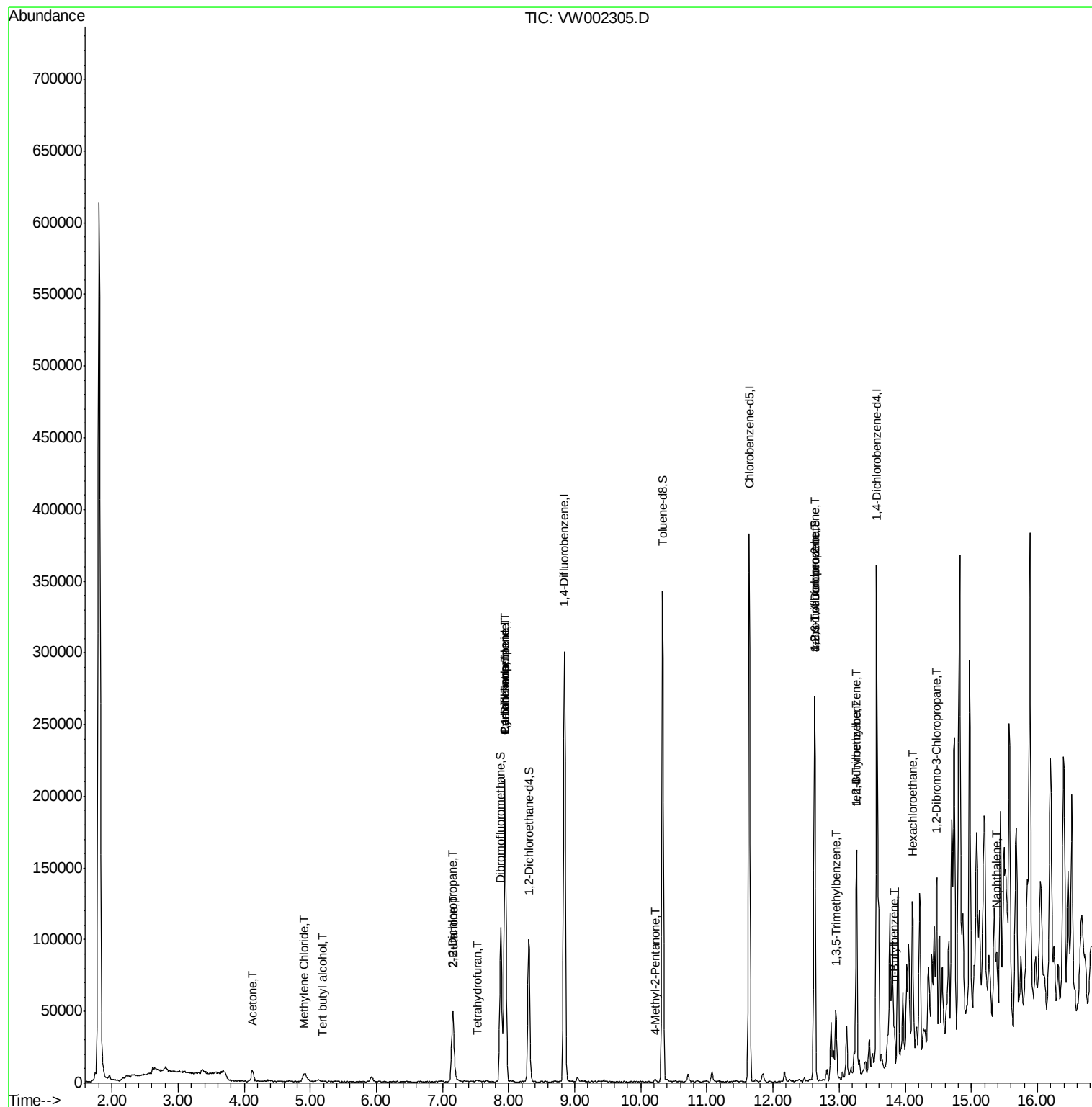
						Qvalue
11) Tert butyl alcohol	5.18	59	311	2.50	ug/l #	85
16) Acetone	4.12	43	12346	36.94	ug/l	90
20) Methylene Chloride	4.91	84	5511	3.42	ug/l	92
25) 2-Butanone	7.17	43	3703	7.46	ug/l #	76
26) 2,2-Dichloropropane	7.15	77	3102	2.18	ug/l #	50
29) Tetrahydrofuran	7.53	42	447	1.37	ug/l #	52
31) Cyclohexane	7.95	56	3804	1.50	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	11890	5.21	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15183	6.88	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	1399	1.20	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	39300	48.58	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	16873	3.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	39300	127.97	ug/l #	10
83) tert-Butylbenzene	13.26	119	11040	2.57	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.26	105	83991	16.25	ug/l	98
89) n-Butylbenzene	13.84	91	11943	2.33	ug/l #	72
90) Hexachloroethane	14.11	117	5783	5.90	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.48	75	560	2.83	ug/l #	1
95) Naphthalene	15.38	128	19255	5.46	ug/l	97

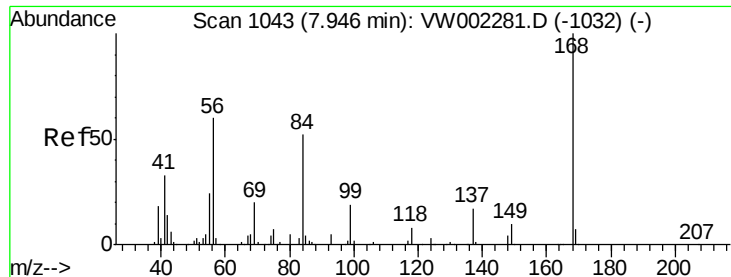
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

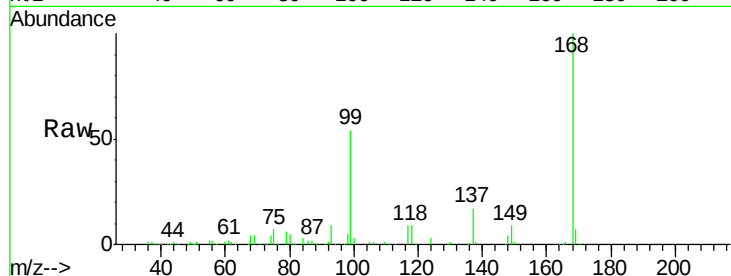
NB-08-050218-ARE

Tgt Ion:168 Resp: 161130

Ion Ratio Lower Upper

168 100

99 54.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

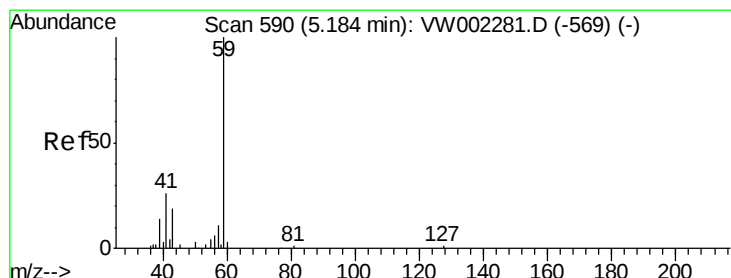
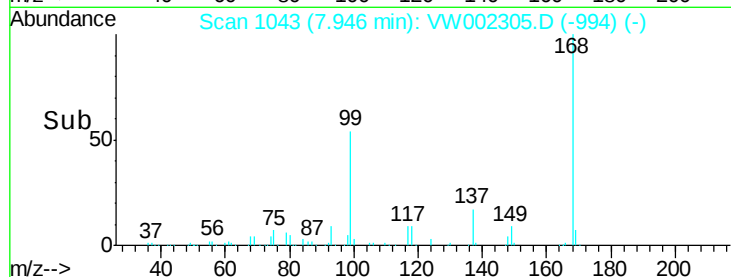
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.50 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002305.D

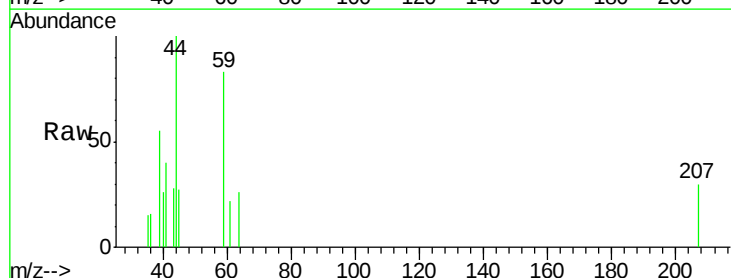
Acq: 08 May 2018 19:48

Tgt Ion: 59 Resp: 311

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

300

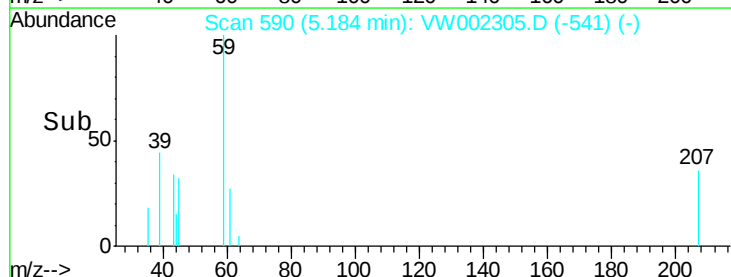
200

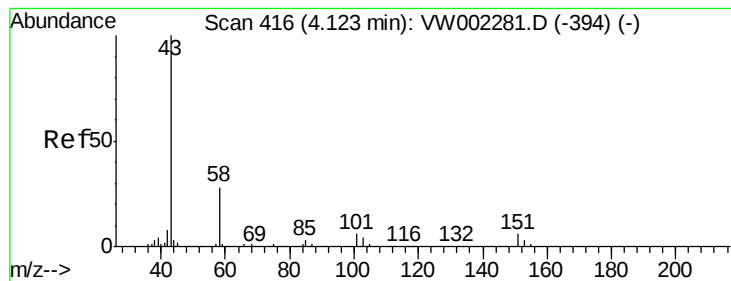
100

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 36.94 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

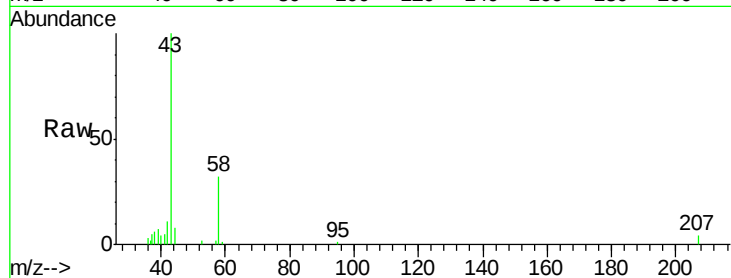
NB-08-050218-ARE

Tgt Ion: 43 Resp: 12346

Ion Ratio Lower Upper

43 100

58 32.9 22.2 33.4



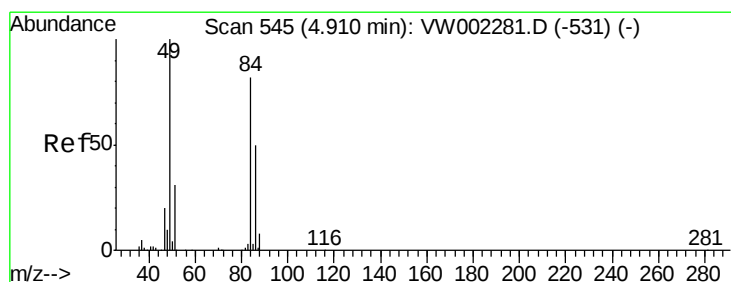
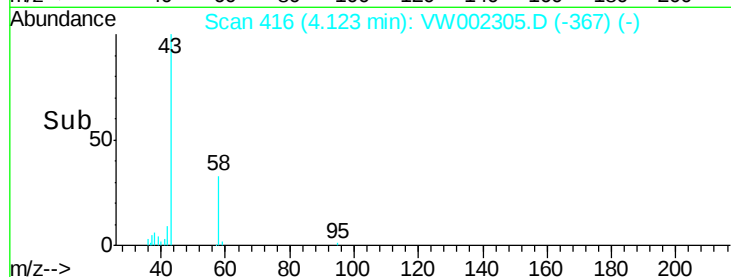
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 3.42 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Tgt Ion: 84 Resp: 5511

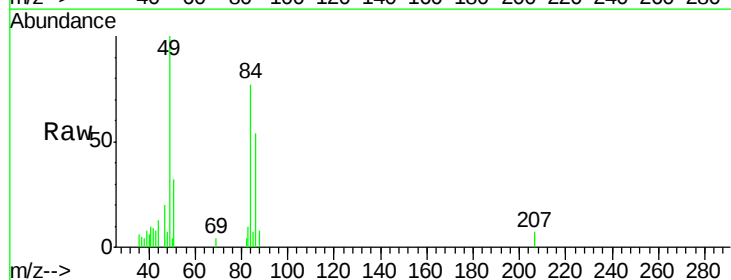
Ion Ratio Lower Upper

84 100

49 129.6 97.7 146.5

51 41.9 30.2 45.4

86 70.4 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

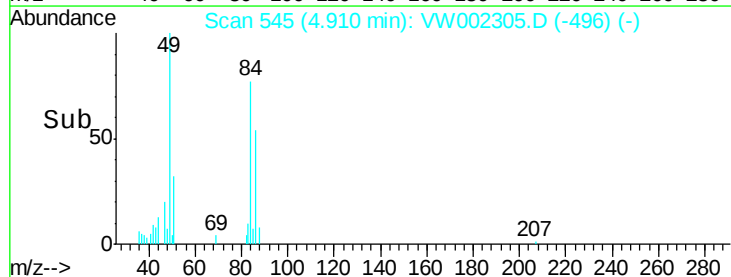
Ion 50.90 (50.60 to 51.60): VW

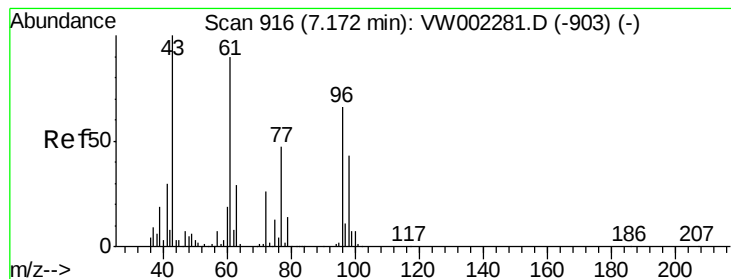
Ion 85.90 (85.60 to 86.60): VW

4.91

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 7.46 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

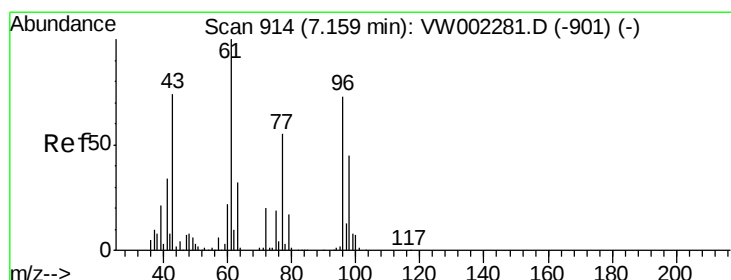
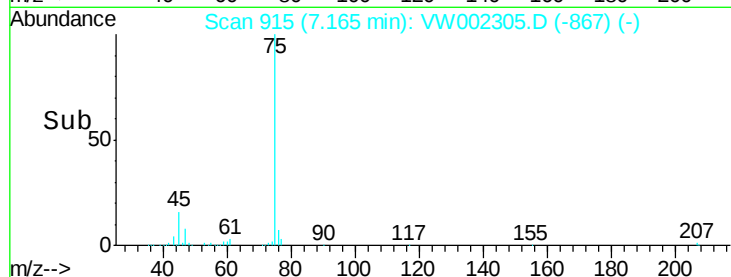
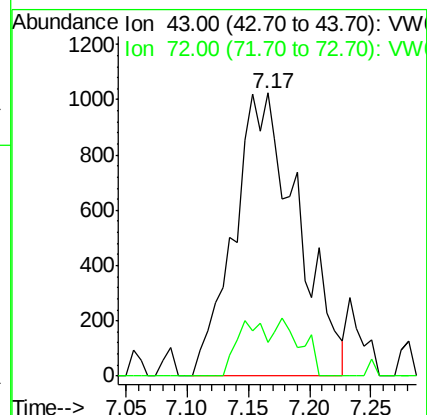
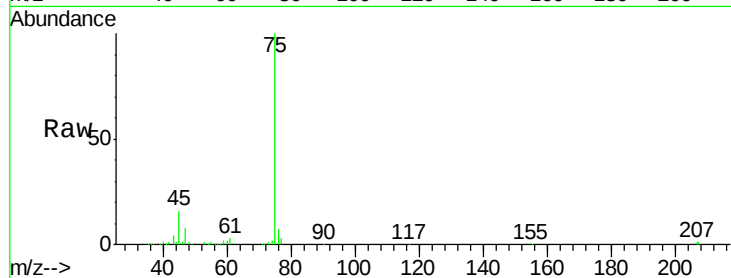
NB-08-050218-ARE

Tgt Ion: 43 Resp: 3703

Ion Ratio Lower Upper

43 100

72 13.8 20.6 31.0#



#26

2,2-Dichloropropane

Concen: 2.18 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW002305.D

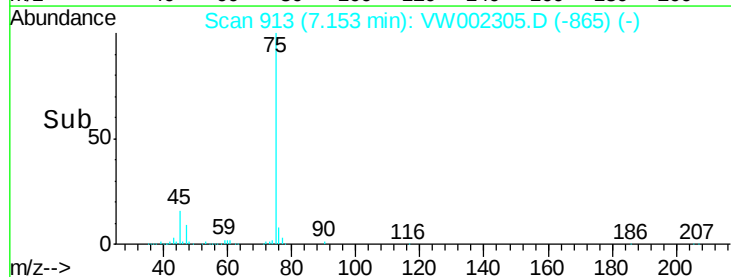
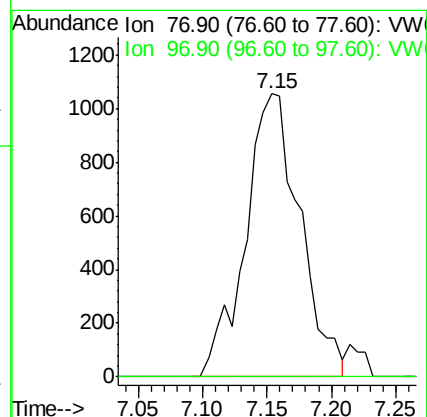
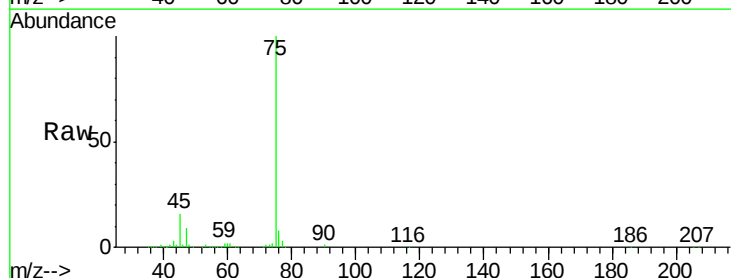
Acq: 08 May 2018 19:48

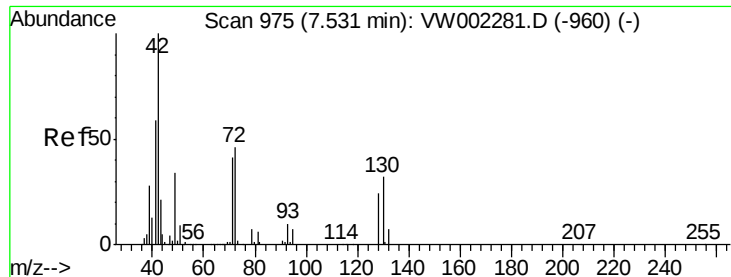
Tgt Ion: 77 Resp: 3102

Ion Ratio Lower Upper

77 100

97 0.0 12.7 38.0#

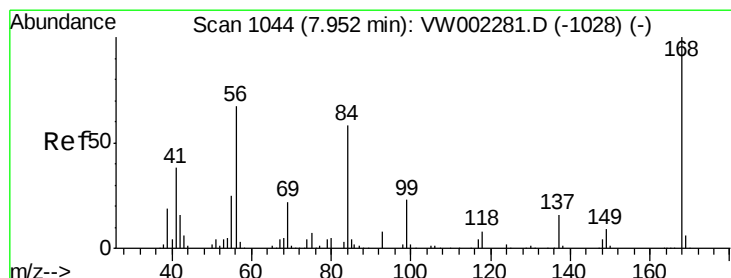
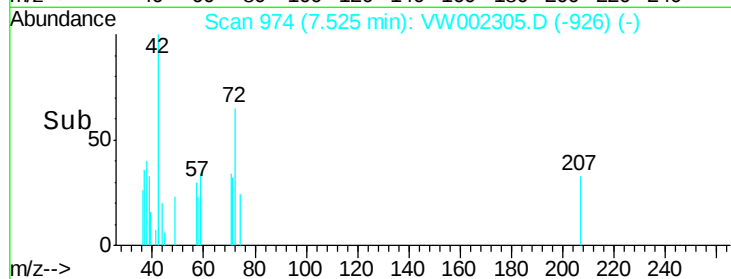
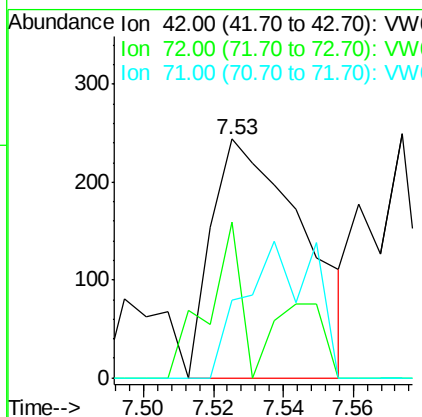
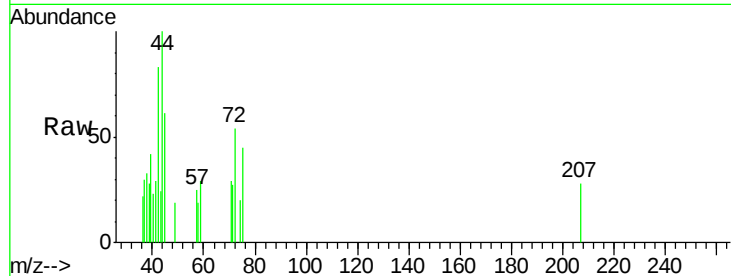




#29
Tetrahydrofuran
Concen: 1.37 ug/l
RT: 7.53 min Scan# 974
Delta R.T. -0.01 min
Lab File: VW002305.D
Acq: 08 May 2018 19:48

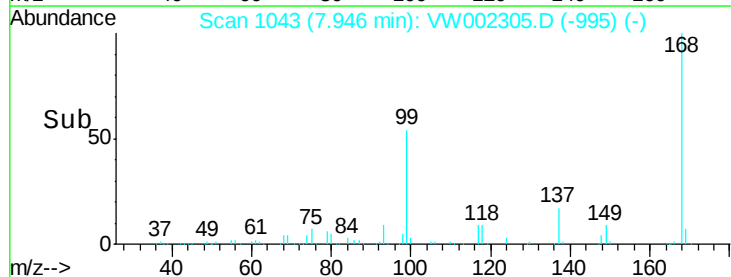
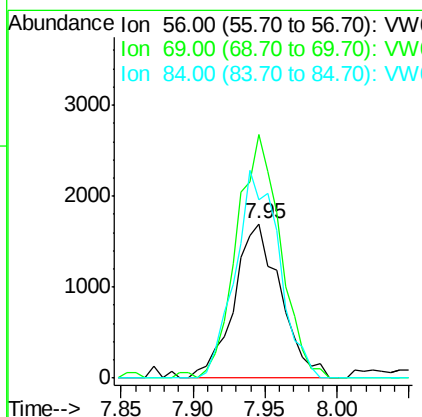
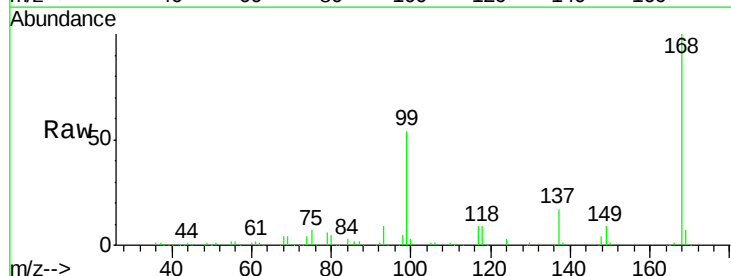
Instrument :
MSVOA_W
ClientSampleId :
NB-08-050218-ARE

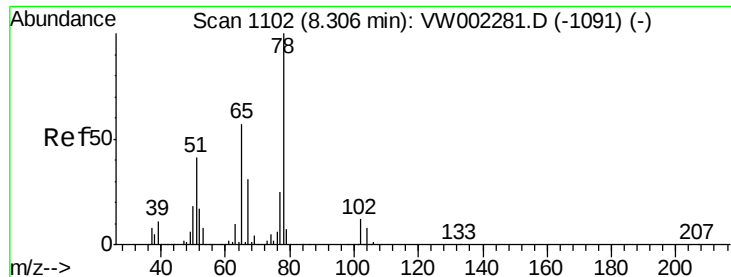
Tgt Ion: 42 Resp: 447
Ion Ratio Lower Upper
42 100
72 23.3 34.5 51.7#
71 0.0 33.0 49.6#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002305.D
Acq: 08 May 2018 19:48

Tgt Ion: 56 Resp: 3804
Ion Ratio Lower Upper
56 100
69 157.9 26.2 39.4#
84 115.6 69.2 103.8#

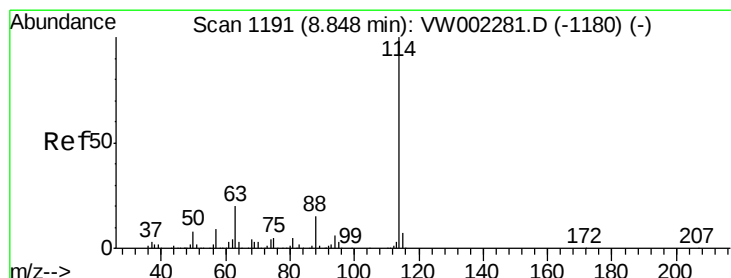
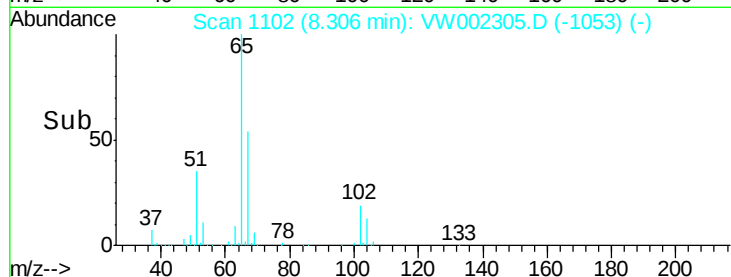
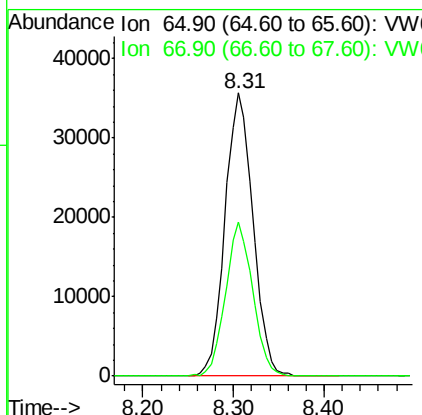
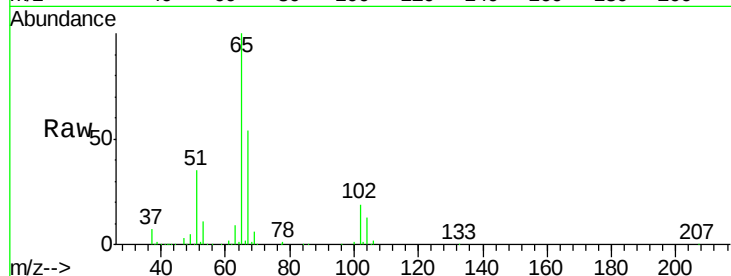




#33
 1,2-Dichloroethane-d4
 Concen: 44.69 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

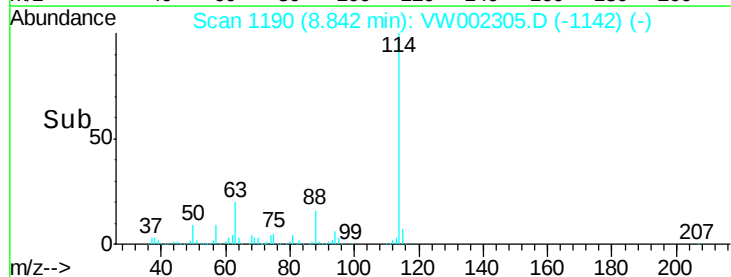
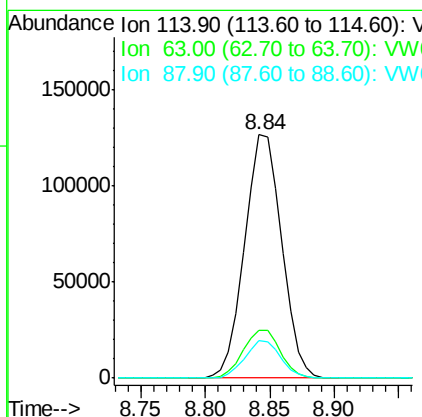
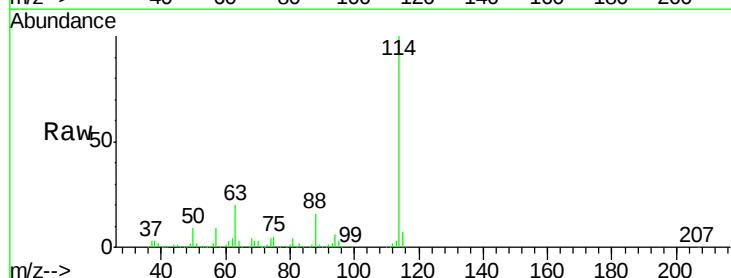
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-050218-ARE

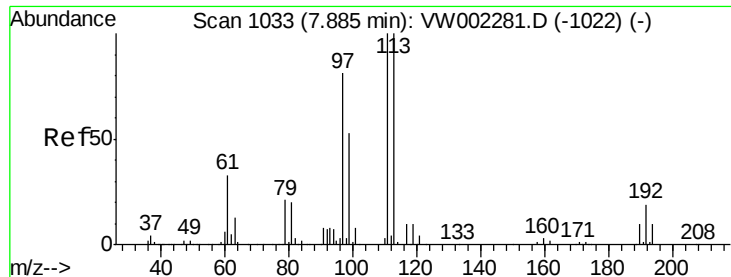
Tgt Ion: 65 Resp: 76473
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

Tgt Ion: 114 Resp: 252276
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 45.51 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

NB-08-050218-ARE

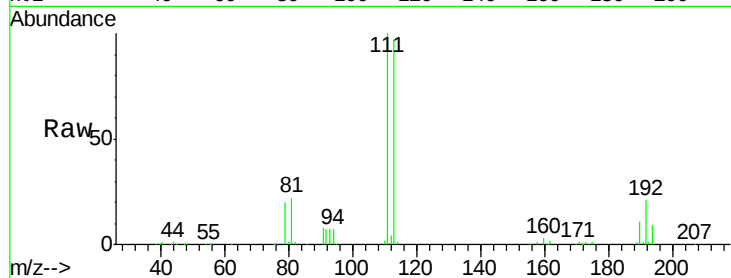
Tgt Ion: 113 Resp: 73589

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

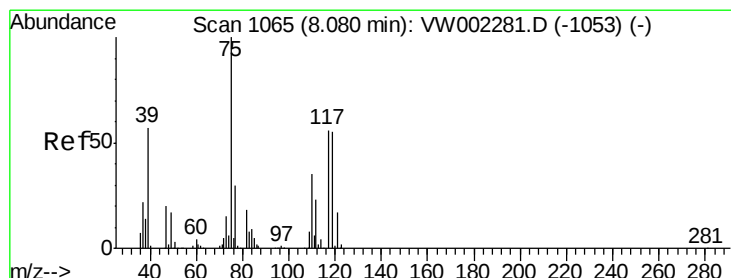
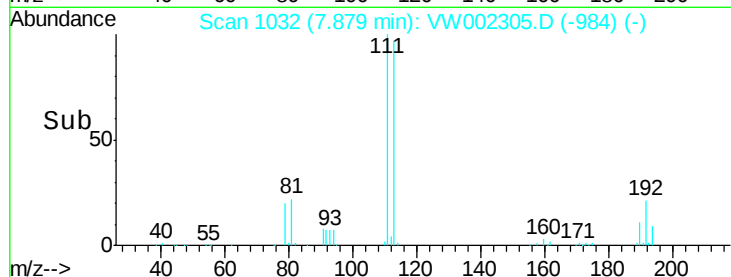
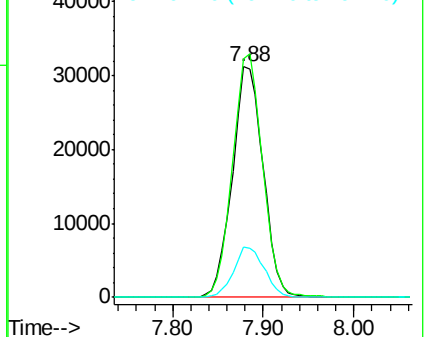
192 21.8 16.4 24.6



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: 5.21 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

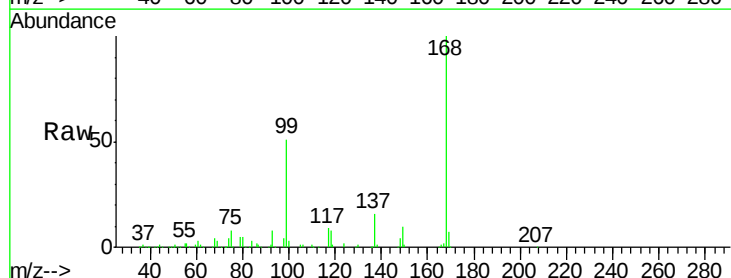
Tgt Ion: 75 Resp: 11890

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

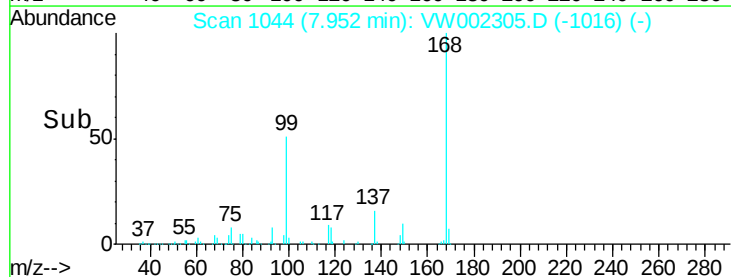
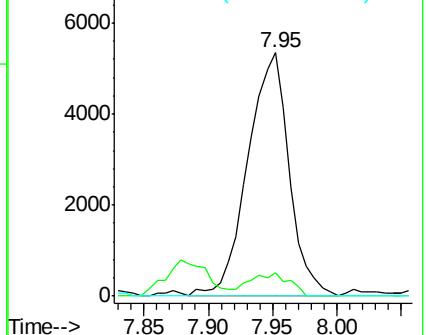
77 0.0 24.5 36.7#

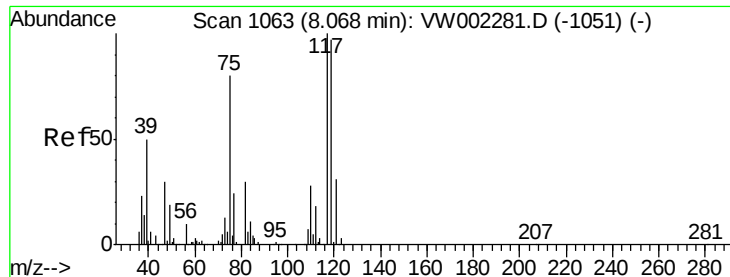


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.88 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

NB-08-050218-ARE

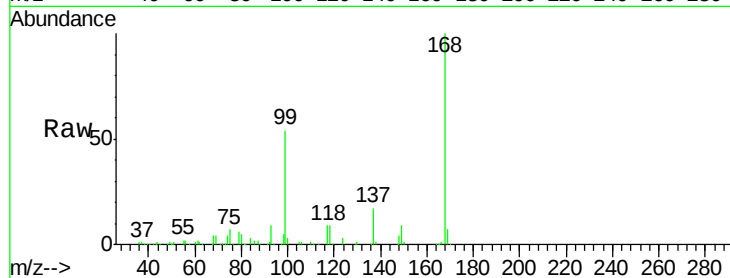
Tgt Ion:117 Resp: 15183

Ion Ratio Lower Upper

117 100

119 3.6 77.5 116.3#

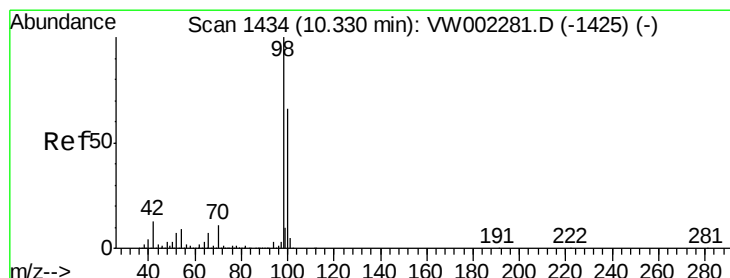
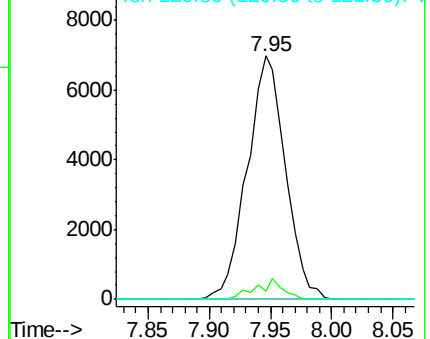
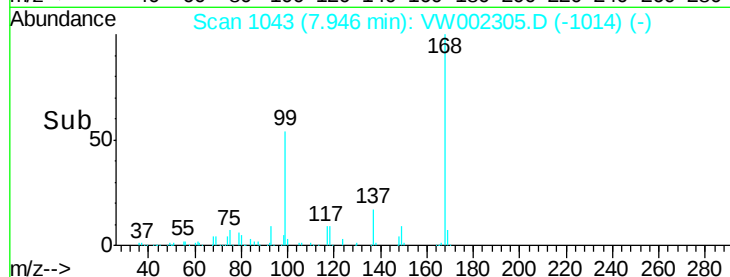
121 0.0 24.4 36.6#



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: 35.86 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002305.D

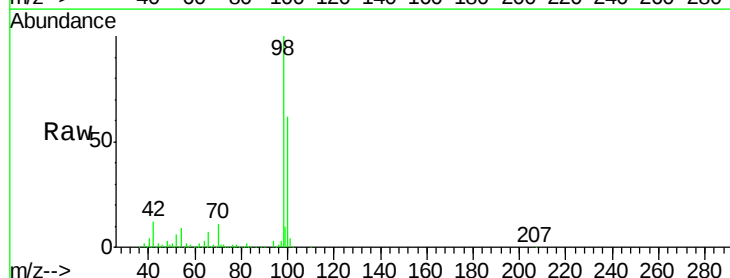
Acq: 08 May 2018 19:48

Tgt Ion: 98 Resp: 221106

Ion Ratio Lower Upper

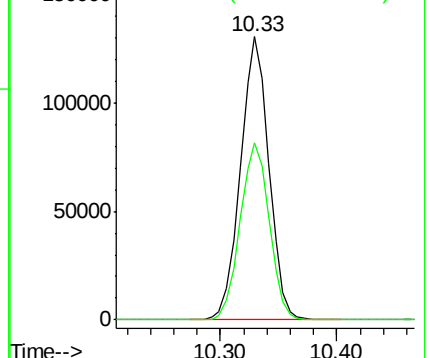
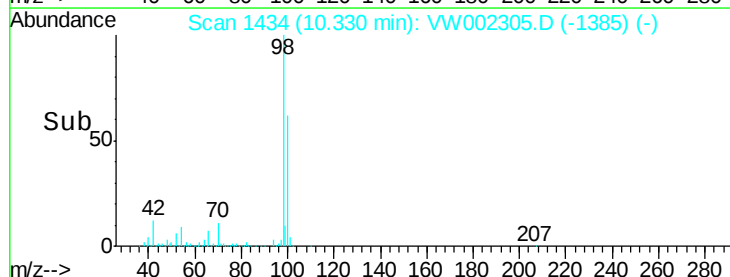
98 100

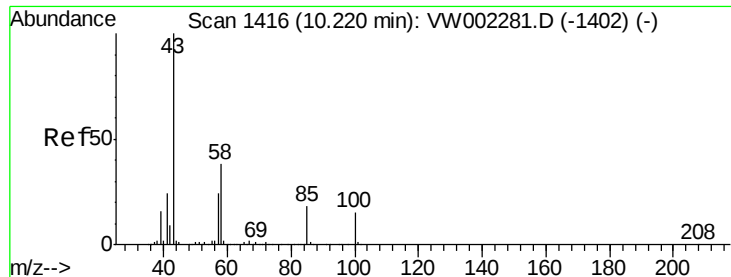
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

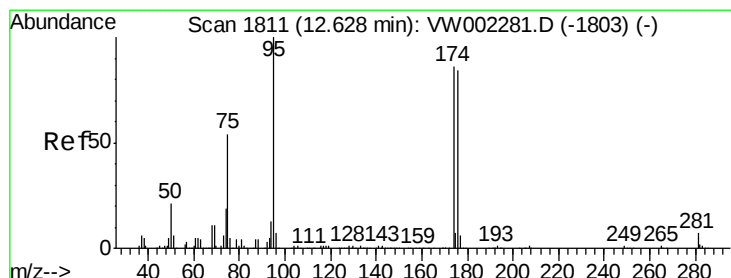
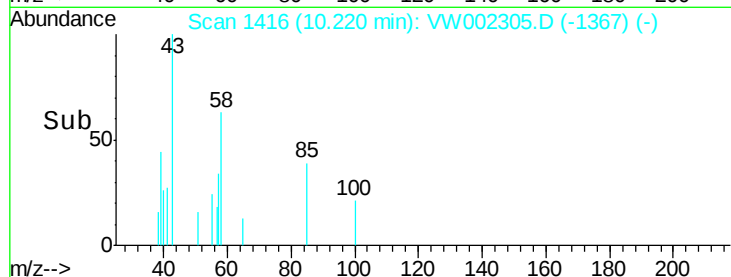
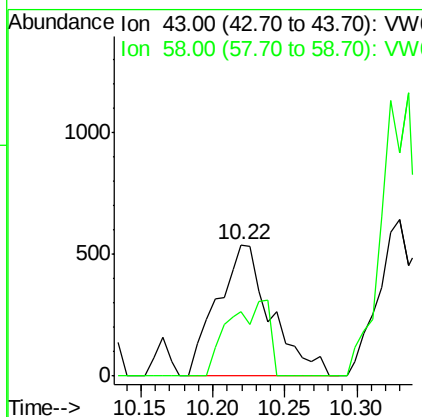
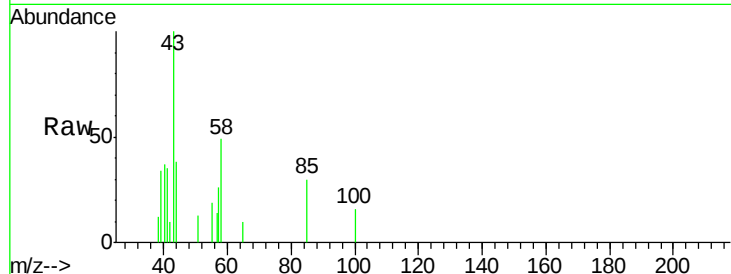




#51
 4-Methyl-2-Pentanone
 Concen: 1.20 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

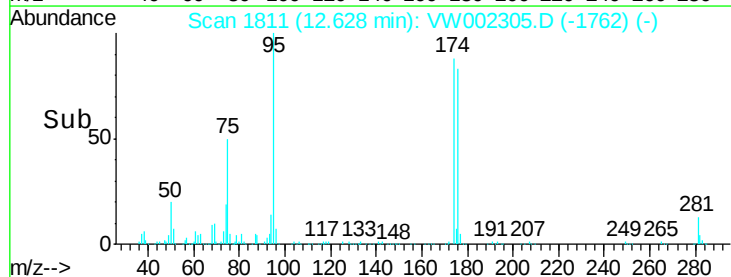
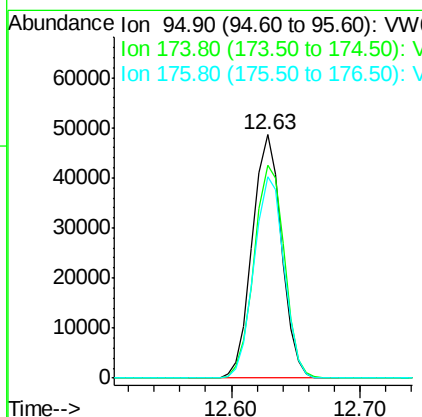
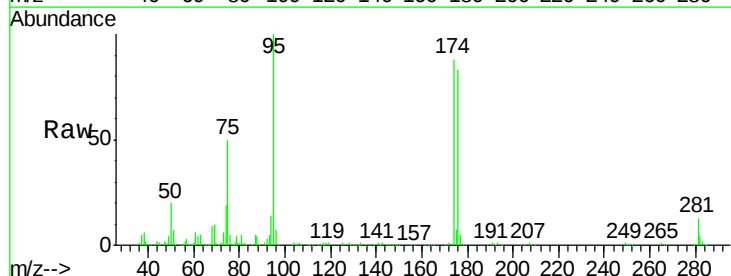
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-050218-ARE

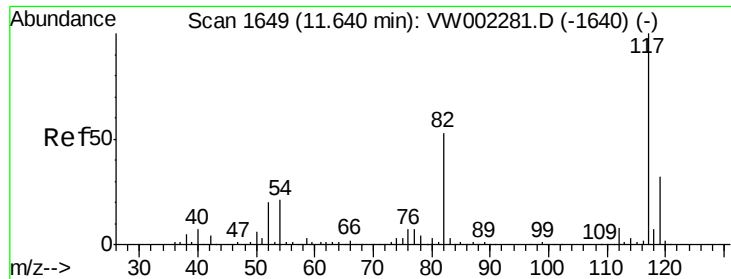
Tgt Ion: 43 Resp: 1399
 Ion Ratio Lower Upper
 43 100
 58 43.5 30.2 45.2



#62
 4-Bromofluorobenzene
 Concen: 34.22 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

Tgt Ion: 95 Resp: 76251
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 176.8
 176 84.8 0.0 170.4

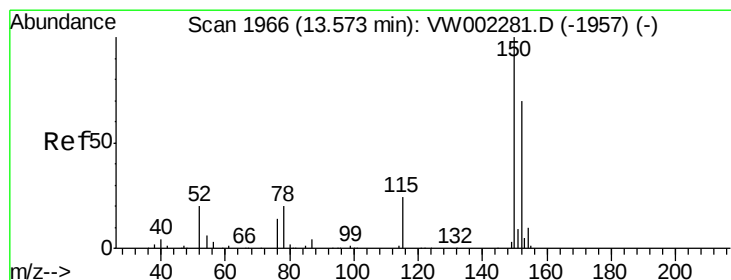
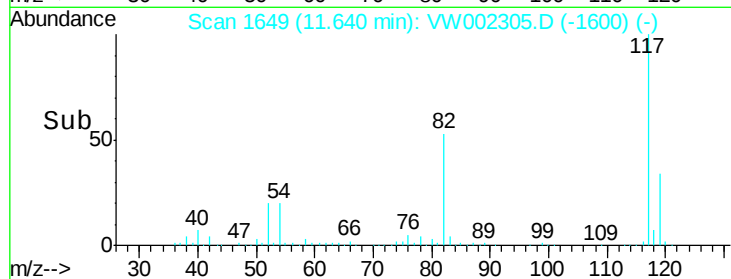
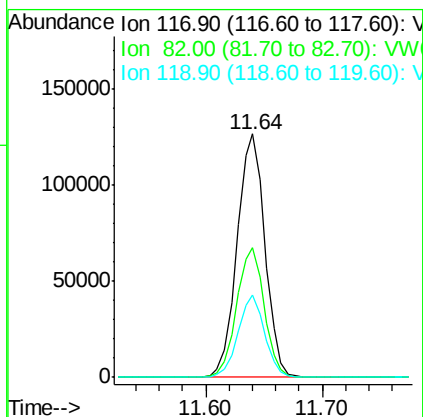
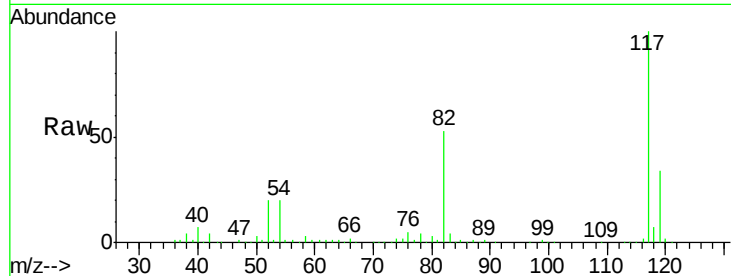




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002305.D
Acq: 08 May 2018 19:48

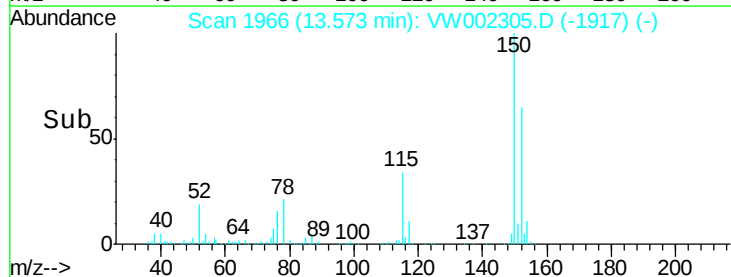
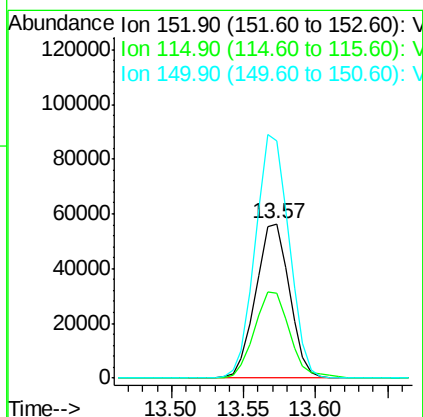
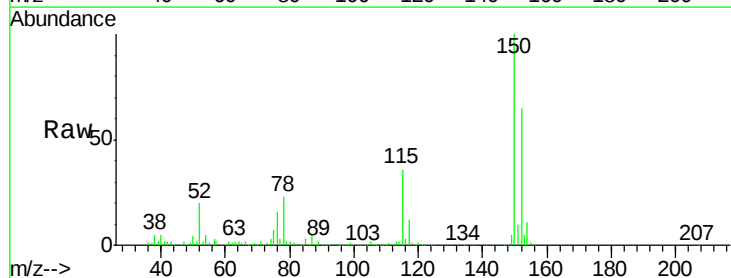
Instrument :
MSVOA_W
ClientSampleId :
NB-08-050218-ARE

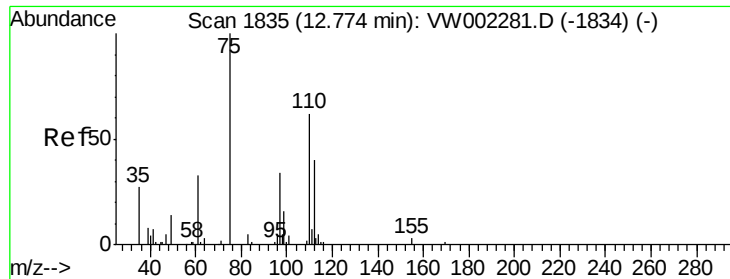
Tgt Ion:117 Resp: 209950
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 33.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002305.D
Acq: 08 May 2018 19:48

Tgt Ion:152 Resp: 91225
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.5
150 157.5 0.0 342.6

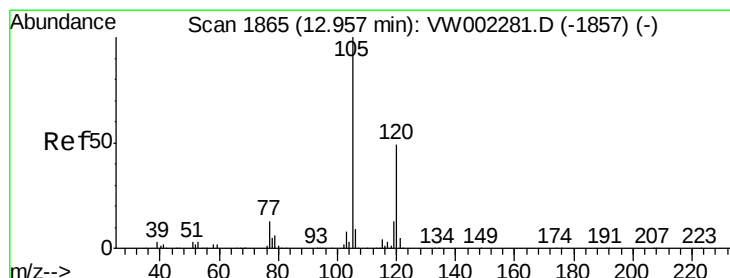
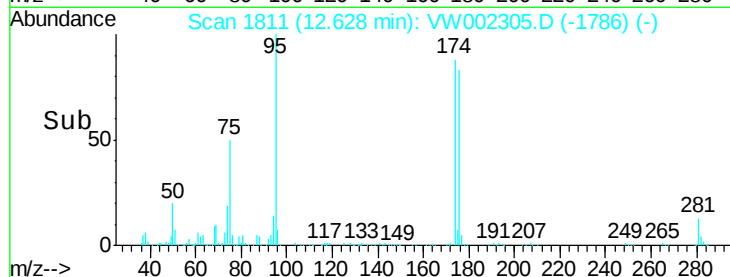
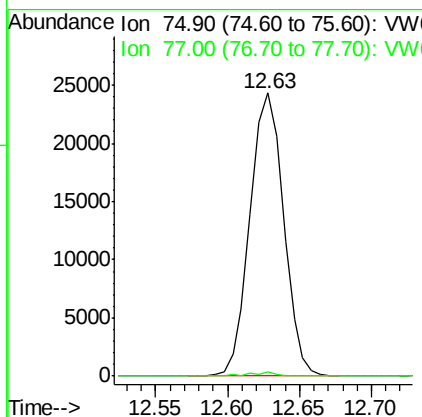
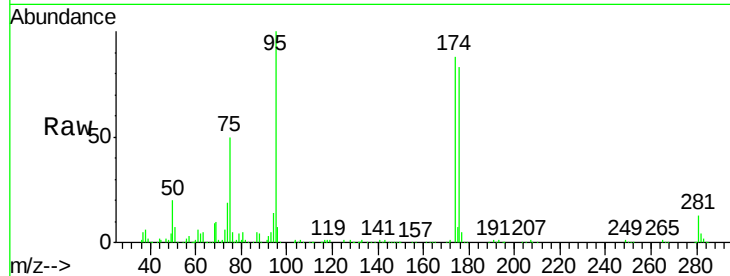




#76
 1,2,3-Trichloropropane
 Concen: 48.58 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

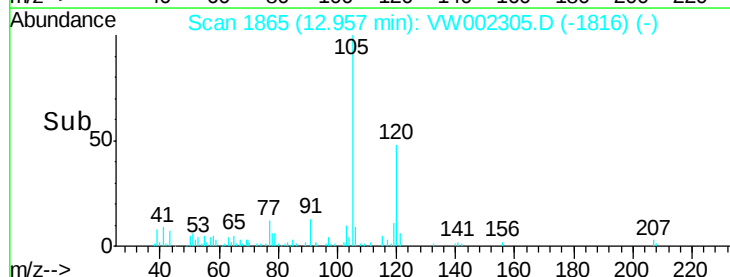
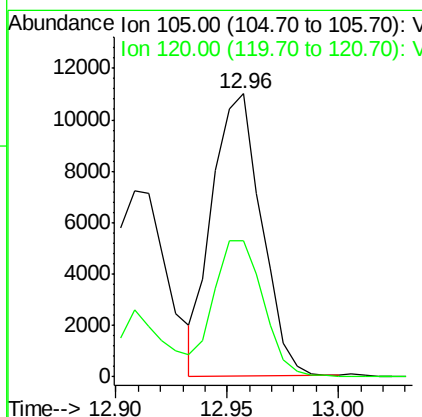
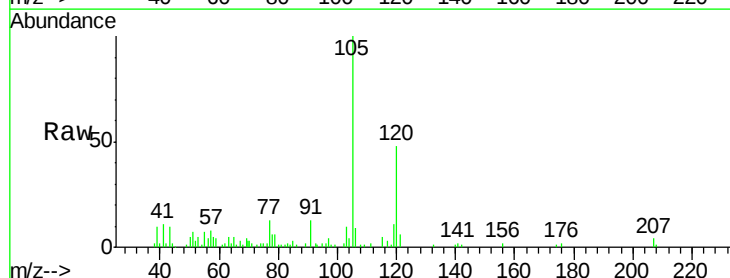
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-050218-ARE

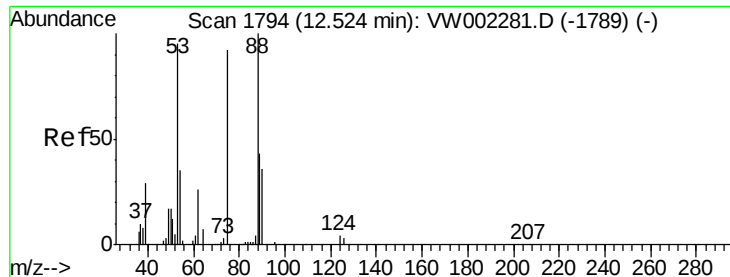
Tgt Ion: 75 Resp: 39300
 Ion Ratio Lower Upper
 75 100
 77 1.2 187.5 562.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.39 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

Tgt Ion: 105 Resp: 16873
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 127.97 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

NB-08-050218-ARE

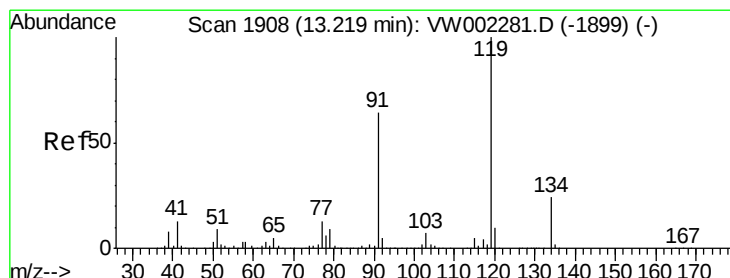
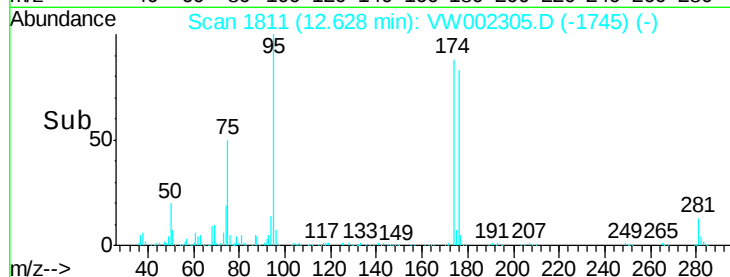
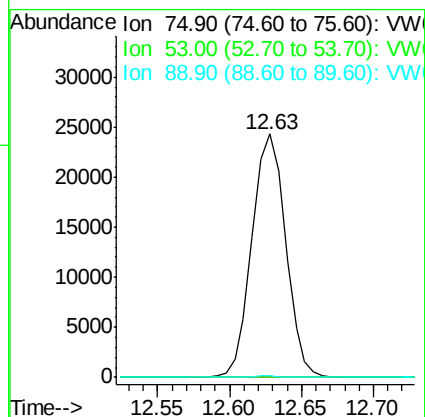
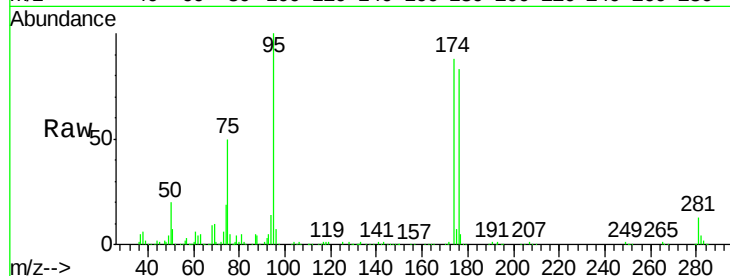
Tgt Ion: 75 Resp: 39300

Ion Ratio Lower Upper

75 100

53 0.1 79.9 119.9#

89 0.4 37.6 56.4#



#83

tert-Butylbenzene

Concen: 2.57 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.04 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

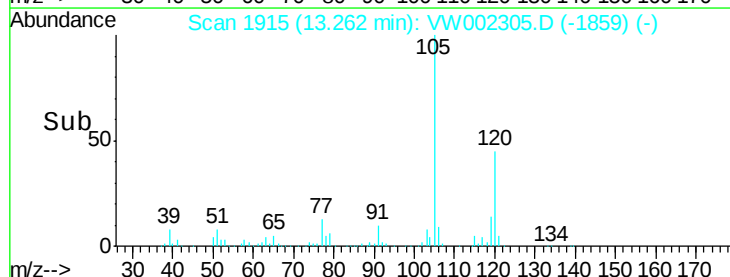
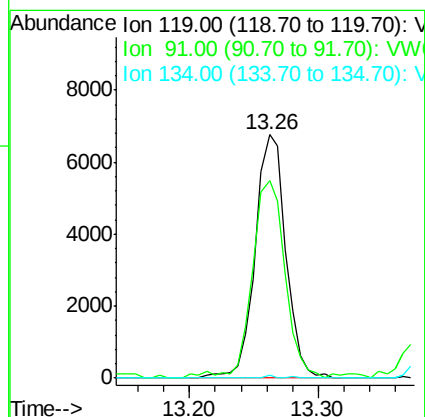
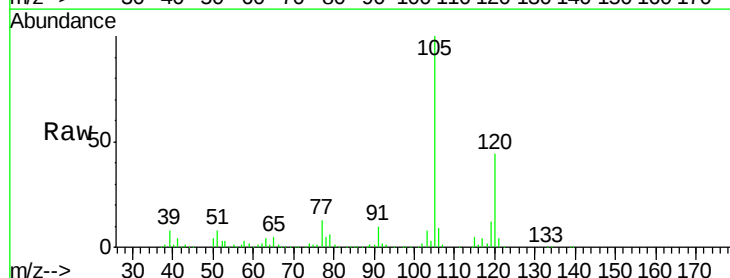
Tgt Ion: 119 Resp: 11040

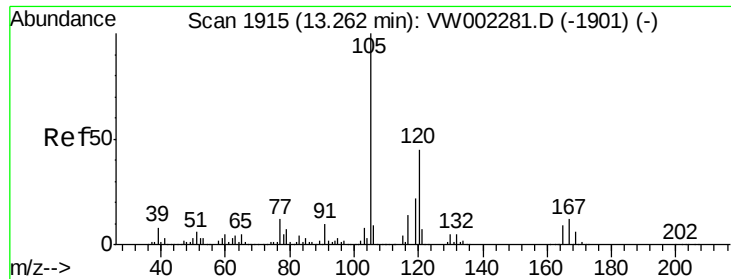
Ion Ratio Lower Upper

119 100

91 85.7 31.6 94.8

134 0.0 13.1 39.3#

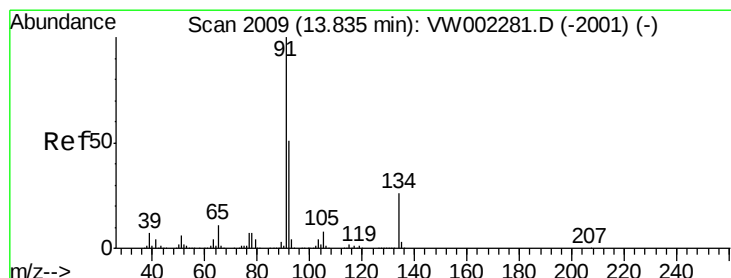
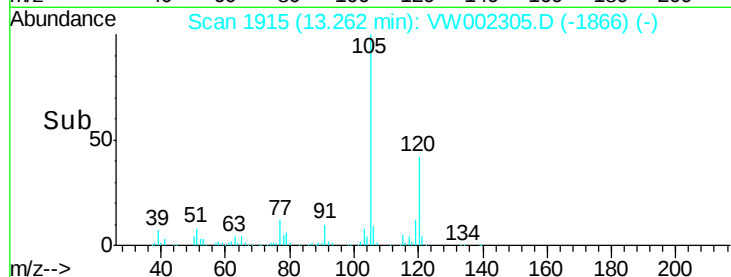
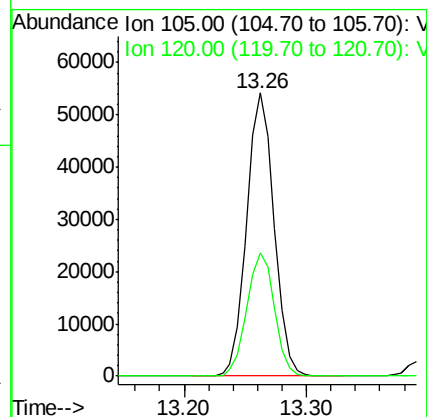
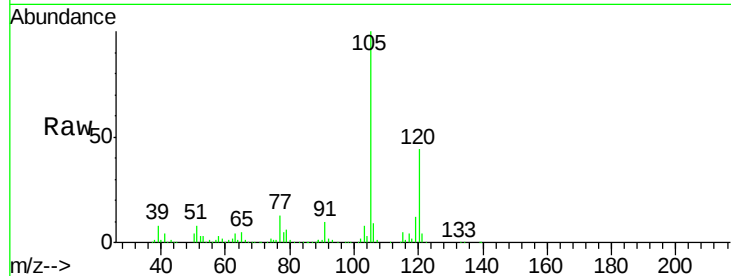




#84
 1,2,4-Trimethylbenzene
 Concen: 16.25 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

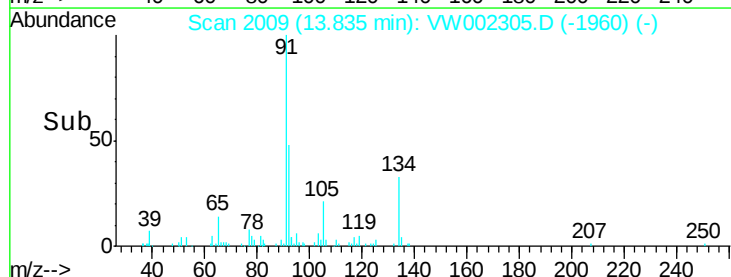
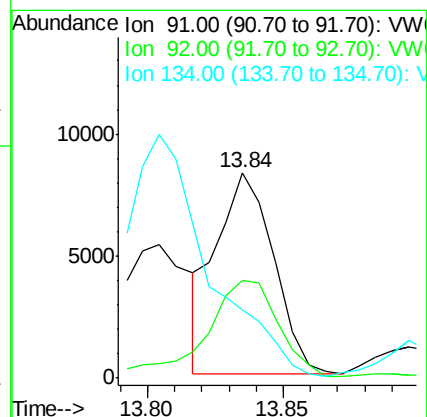
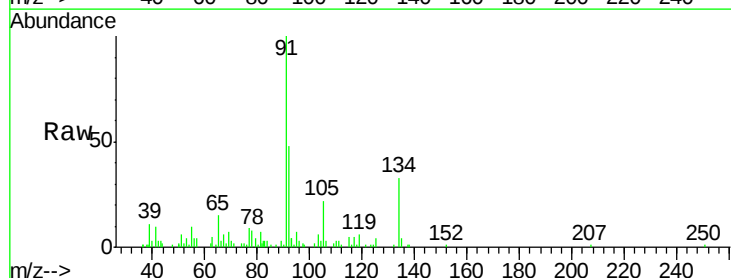
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-08-050218-ARE

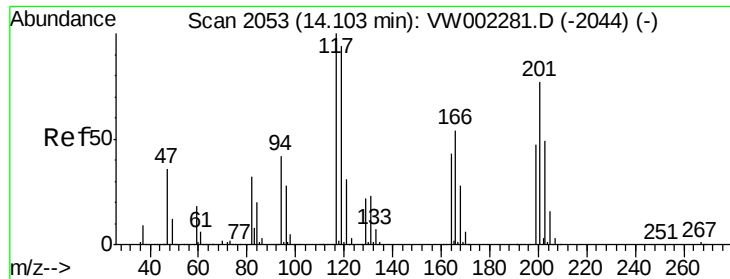
Tgt Ion: 105 Resp: 83991
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.5 67.5



#89
 n-Butylbenzene
 Concen: 2.33 ug/l
 RT: 13.84 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VW002305.D
 Acq: 08 May 2018 19:48

Tgt Ion: 91 Resp: 11943
 Ion Ratio Lower Upper
 91 100
 92 63.4 25.9 77.8
 134 0.0 13.1 39.1#





#90

Hexachloroethane

Concen: 5.90 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

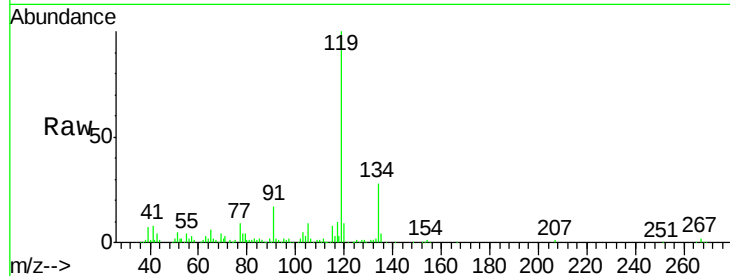
NB-08-050218-ARE

Tgt Ion:117 Resp: 5783

Ion Ratio Lower Upper

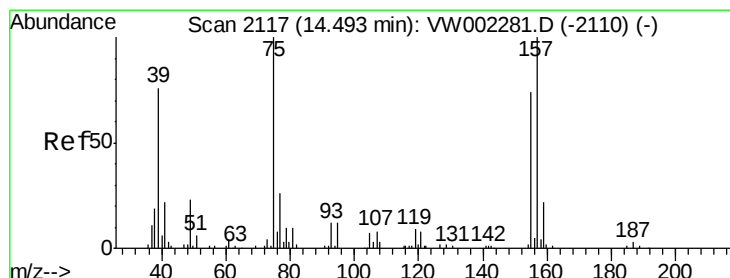
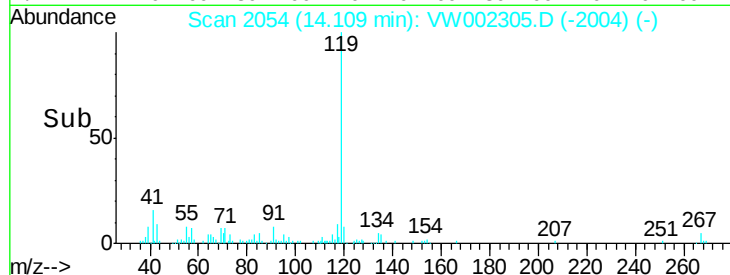
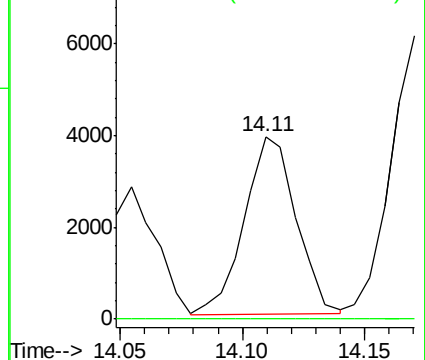
117 100

201 0.0 42.2 126.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.83 ug/l

RT: 14.48 min Scan# 2114

Delta R.T. -0.02 min

Lab File: VW002305.D

Acq: 08 May 2018 19:48

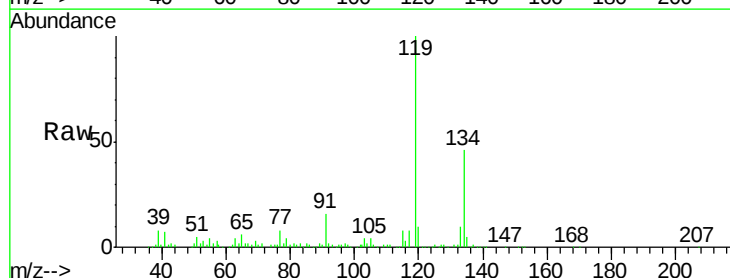
Tgt Ion: 75 Resp: 560

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

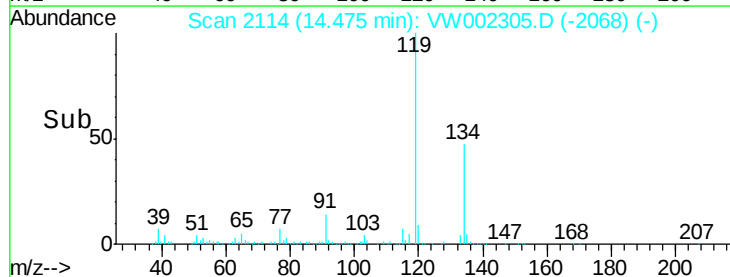
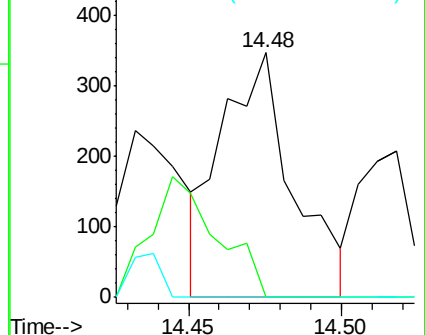
157 0.0 55.8 167.4#

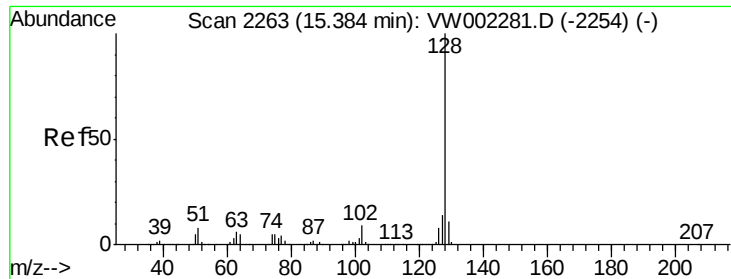


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

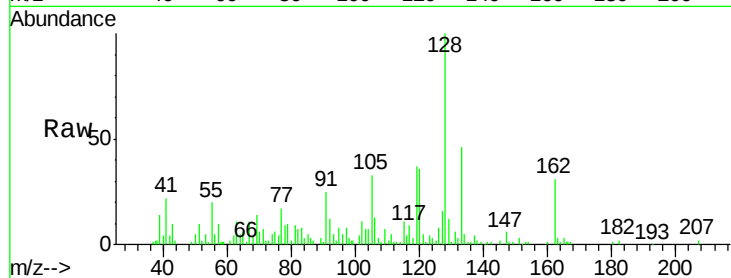




#95
Naphthalene
Concen: 5.46 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002305.D
Acq: 08 May 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :
NB-08-050218-ARE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.0	16.4
129	8.9	8.7	13.1



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

