

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011344.D
 Acq On : 18 Jul 2019 19:48
 Operator : SY/VA
 Sample : K3903-03
 Misc : 5.19G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 18107-NYCT-AVE-Z-TP-3

Quant Time: Jul 19 06:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137832	57.87	ug/l	0.00
Spiked Amount			Recovery	=	115.74%	
35) Dibromofluoromethane	7.88	113	102328	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	10.32	98	410830	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.62	95	135230	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

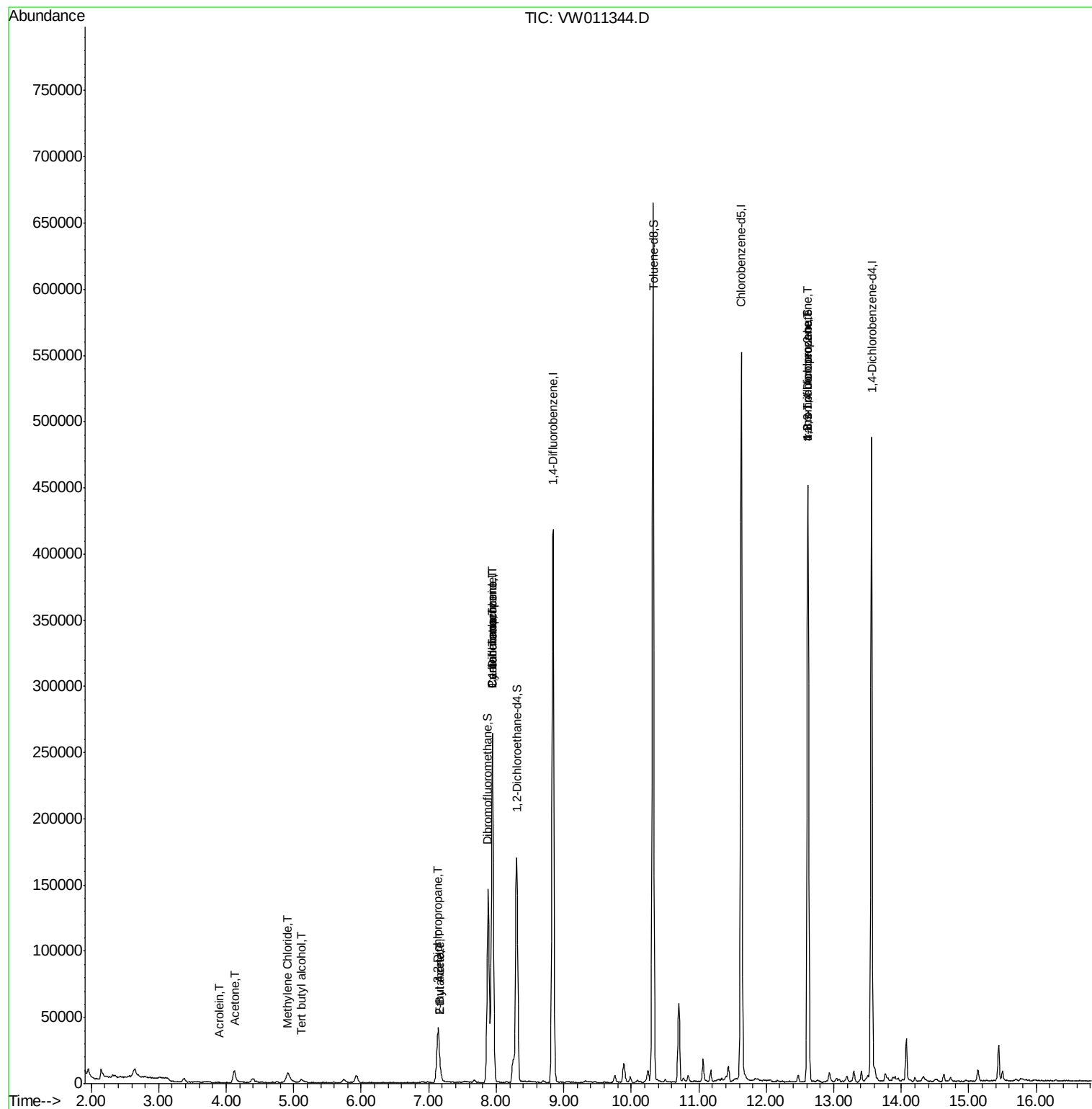
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	2705	15.340	ug/l #	75
13) Acrolein	3.90	56	158	1.125	ug/l #	45
16) Acetone	4.12	43	16961	29.596	ug/l	97
18) Methyl Acetate	4.67	43	263	Below Cal	#	57
20) Methylene Chloride	4.91	84	5603	2.478	ug/l	89
25) 2-Butanone	7.17	43	7417	8.245	ug/l	91
26) 2,2-Dichloropropane	7.15	77	2679	1.188	ug/l #	53
31) Cyclohexane	7.94	56	5160	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16995	4.834	ug/l #	52
37) Ethyl Acetate	7.17	43	7417	3.512	ug/l #	72
38) Carbon Tetrachloride	7.95	117	19458	6.529	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	72959	53.563	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72959	121.150	ug/l #	6

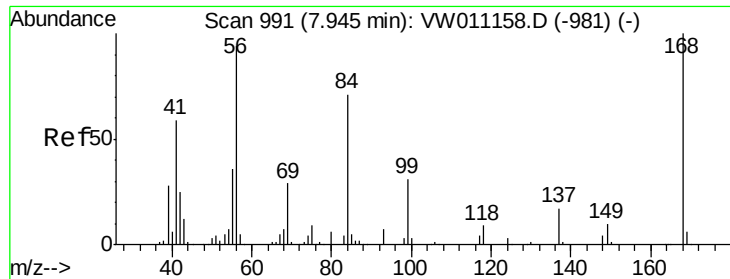
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

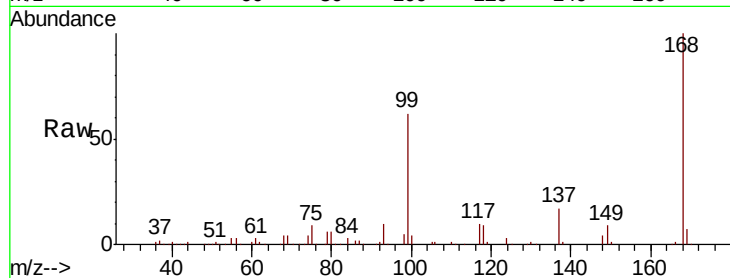
18107-NYCT-AVE-Z-TP-3

Tot Ion:168 Resp: 189553

Ion Ratio Lower Upper

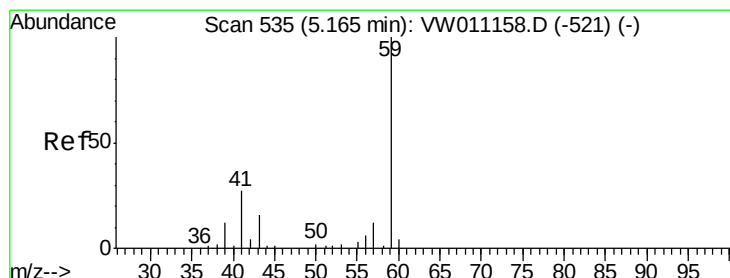
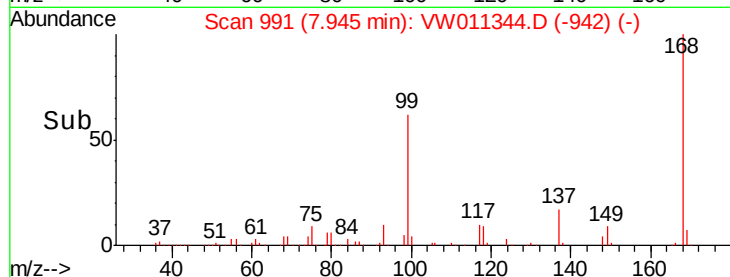
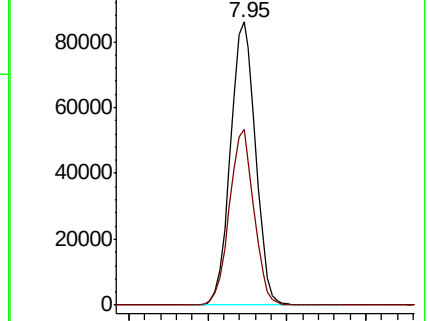
168 100

99 62.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 15.340 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW011344.D

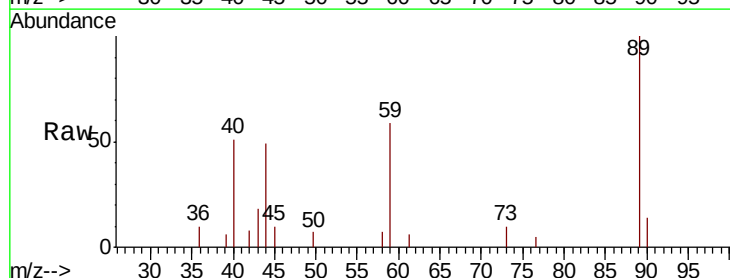
Acq: 18 Jul 2019 19:48

Tgt Ion: 59 Resp: 2705

Ion Ratio Lower Upper

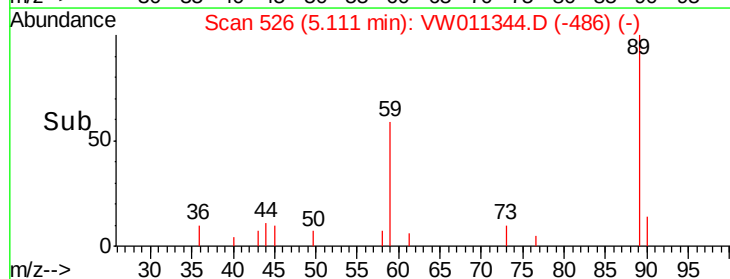
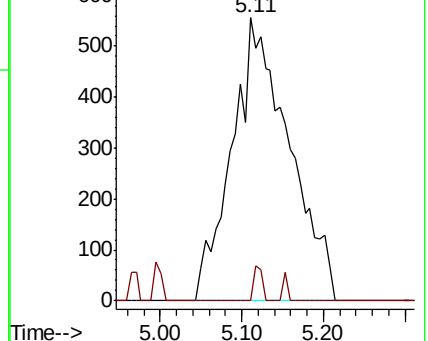
59 100

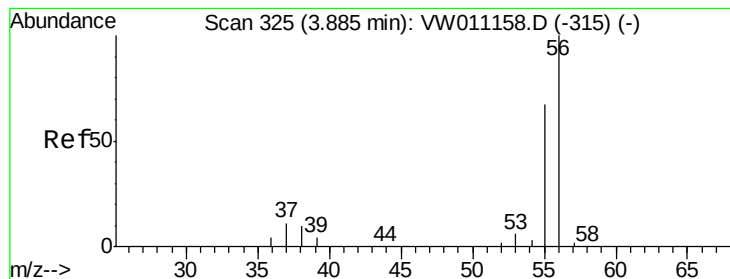
57 1.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.125 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

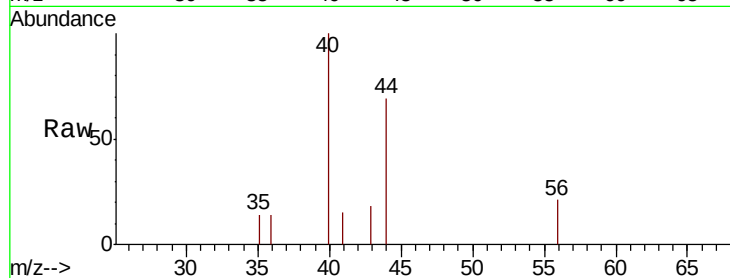
18107-NYCT-AVE-Z-TP-3

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

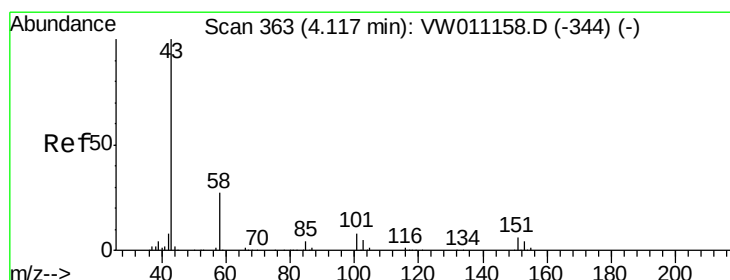
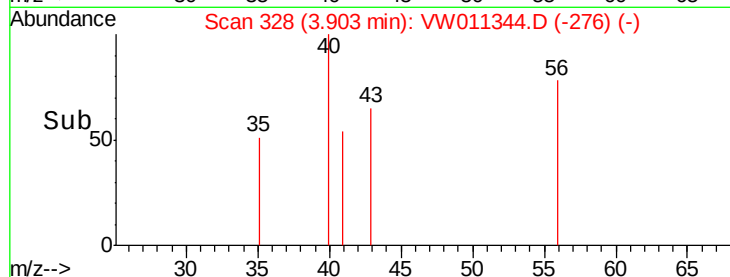
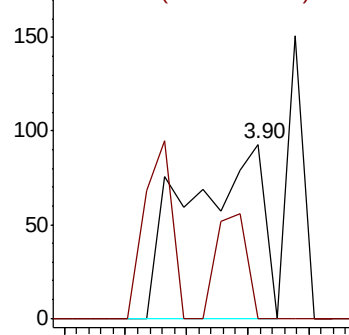
56 100

55 25.3 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 29.596 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011344.D

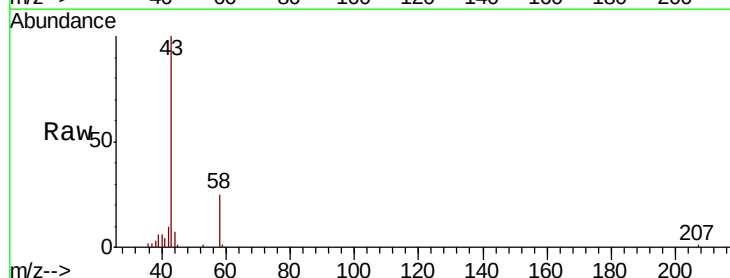
Acq: 18 Jul 2019 19:48

Tgt Ion: 43 Resp: 16961

Ion Ratio Lower Upper

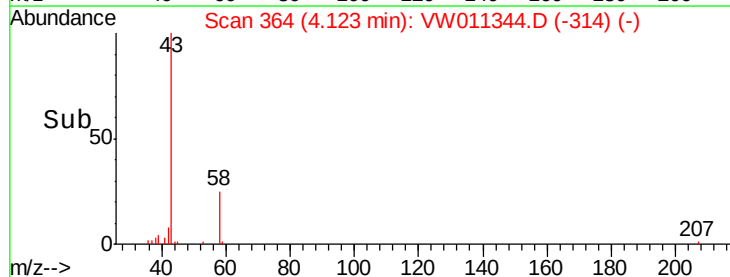
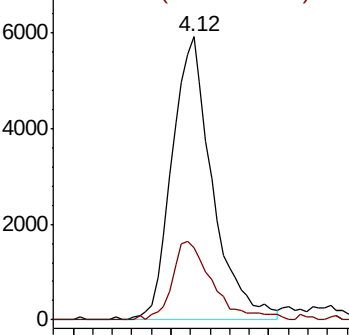
43 100

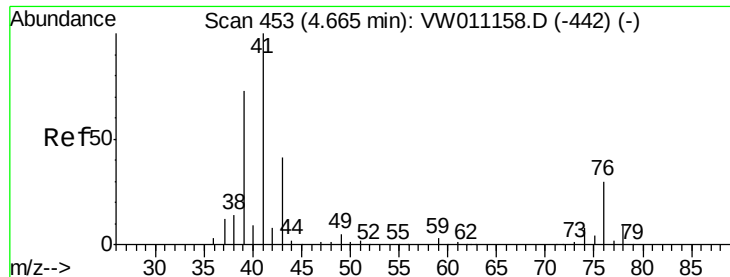
58 25.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

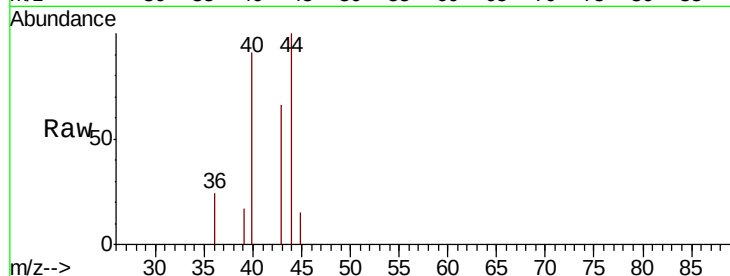
18107-NYCT-AVE-Z-TP-3

Tot Ion: 43 Resp: 263

Ion Ratio Lower Upper

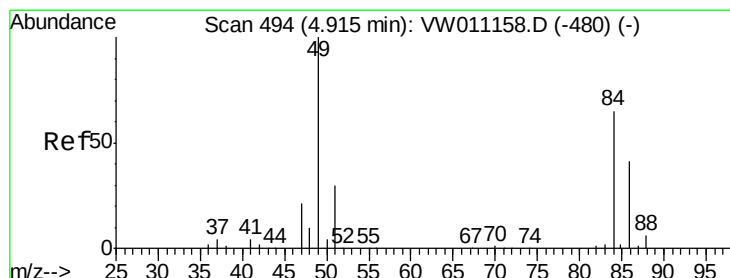
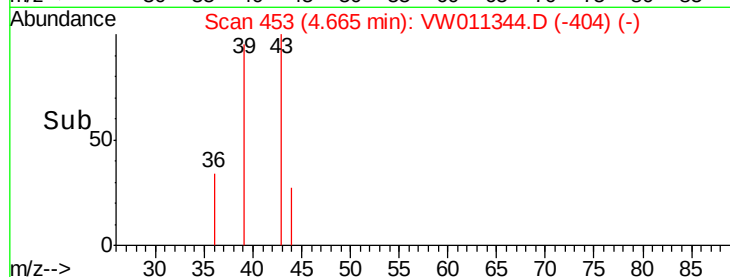
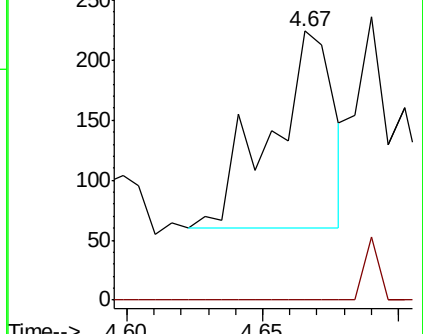
43 100

74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: 2.478 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Tgt Ion: 84 Resp: 5603

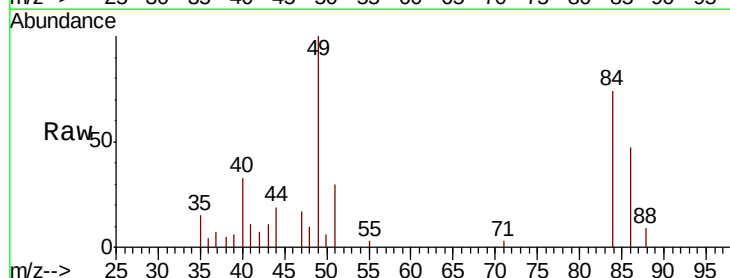
Ion Ratio Lower Upper

84 100

49 135.2 123.8 185.6

51 40.2 37.4 56.2

86 63.6 51.1 76.7

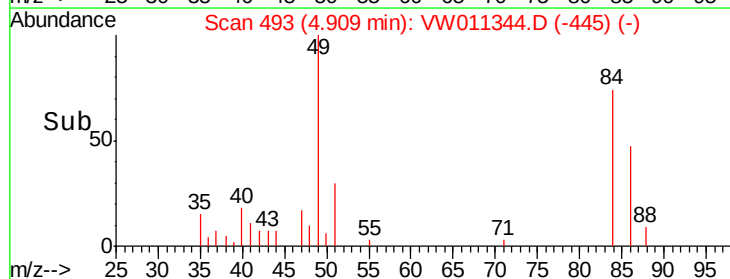
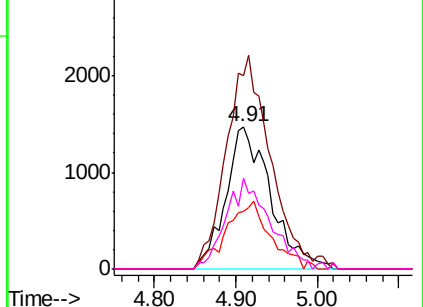


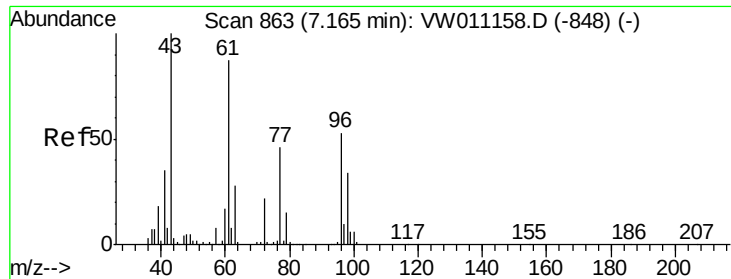
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 8.245 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

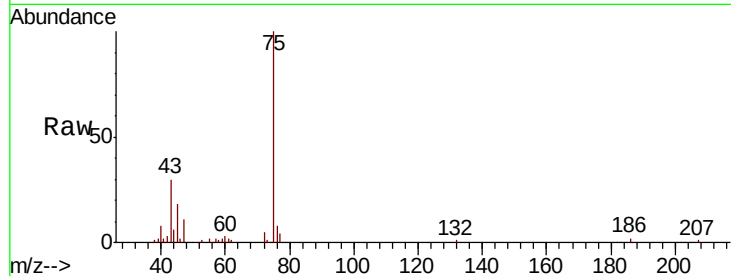
18107-NYCT-AVE-Z-TP-3

Tot Ion: 43 Resp: 7417

Ion Ratio Lower Upper

43 100

72 17.9 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

2000

1500

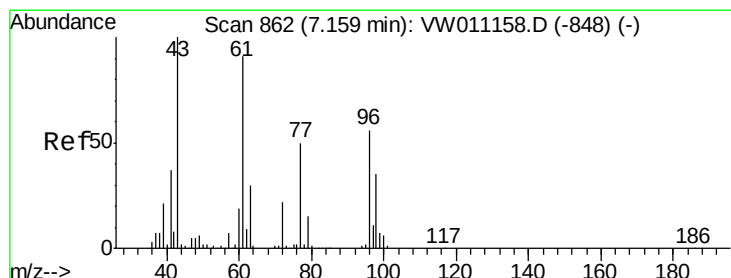
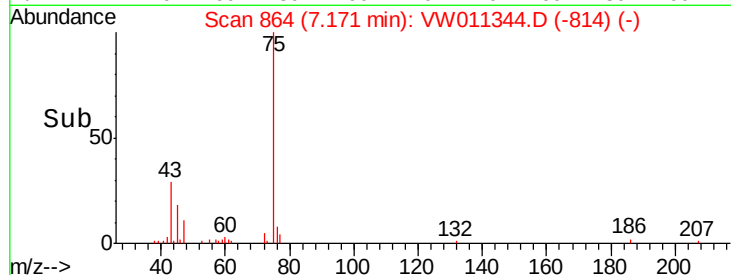
1000

500

0

7.00 7.10 7.20

Time-->



#26

2,2-Dichloropropane

Concen: 1.188 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW011344.D

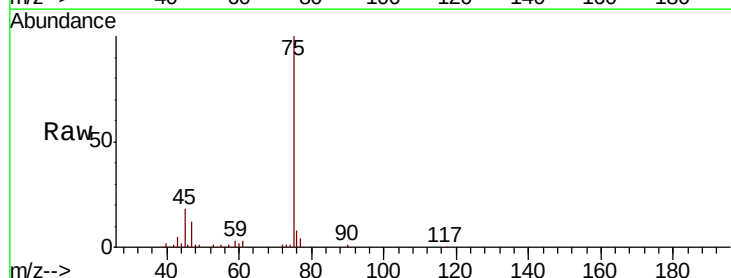
Acq: 18 Jul 2019 19:48

Tgt Ion: 77 Resp: 2679

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

1000

800

600

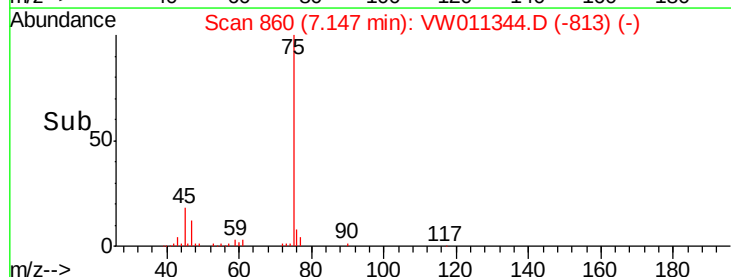
400

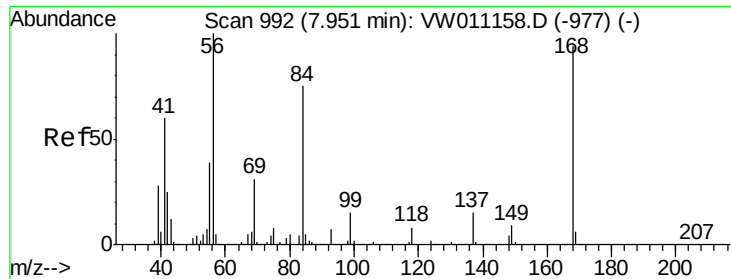
200

0

7.05 7.10 7.15 7.20

Time-->

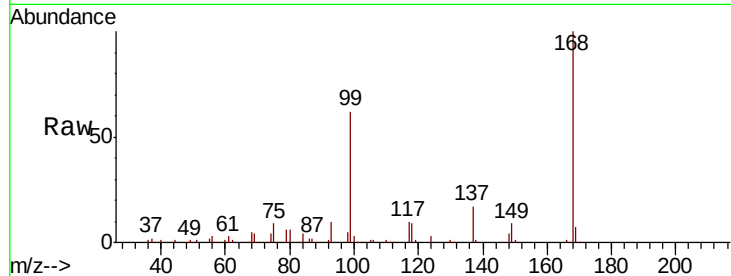




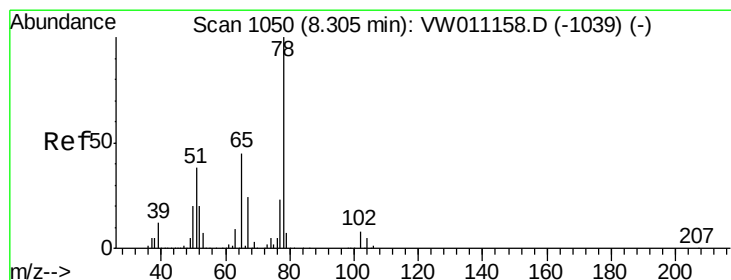
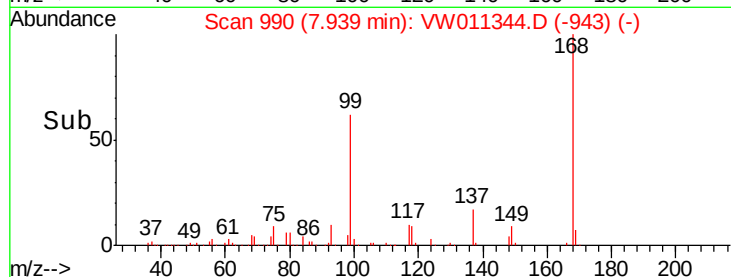
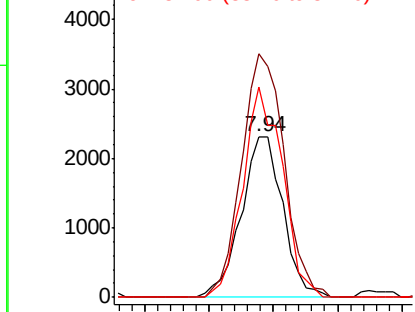
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011344.D
Acq: 18 Jul 2019 19:48

Instrument :
MSVOA_W
ClientSampleId :
18107-NYCT-AVE-Z-TP-3

Tot Ion: 56 Resp: 5160
Ion Ratio Lower Upper
56 100
69 151.5 24.6 36.8#
84 130.8 60.1 90.1#

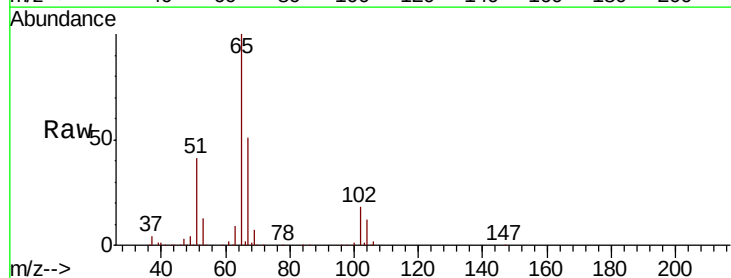


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

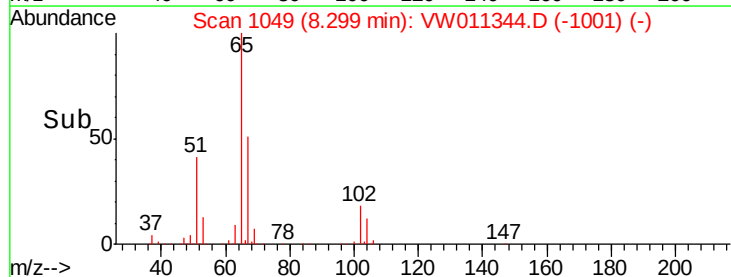
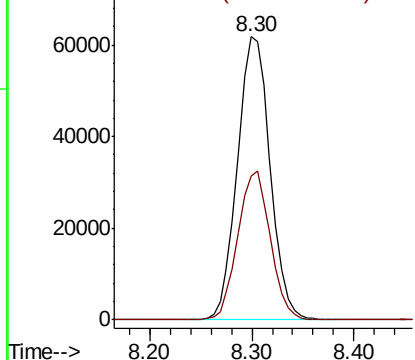


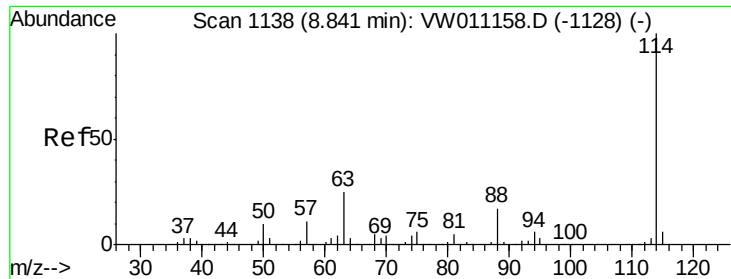
#33
1,2-Dichloroethane-d4
Concen: 57.869 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW011344.D
Acq: 18 Jul 2019 19:48

Tgt Ion: 65 Resp: 137832
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4



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

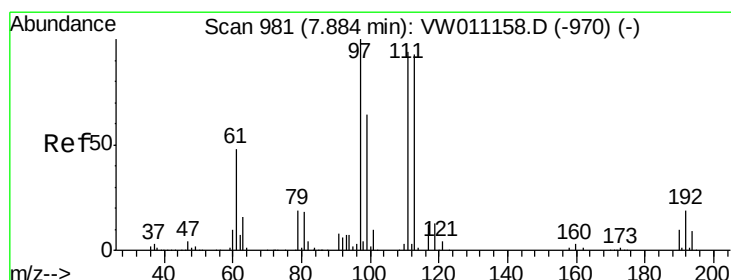
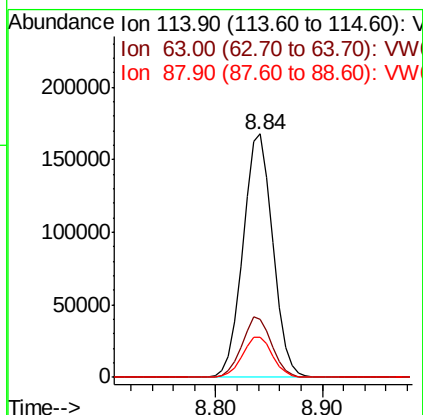
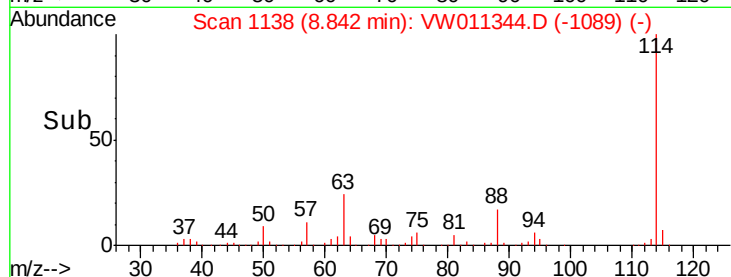
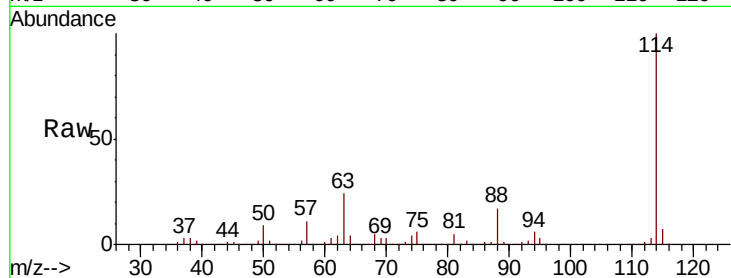




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011344.D
 Acq: 18 Jul 2019 19:48

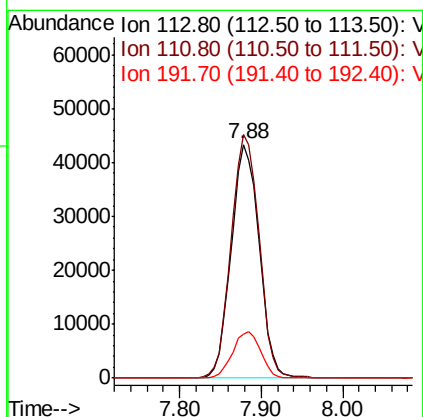
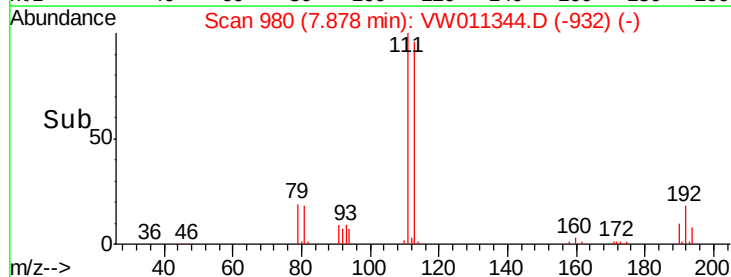
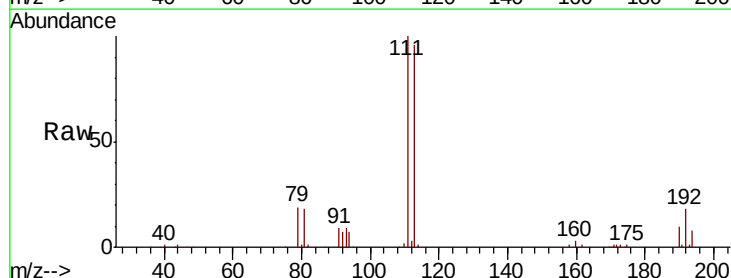
Instrument :
 MSVOA_W
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 18107-NYCT-AVE-Z-TP-3

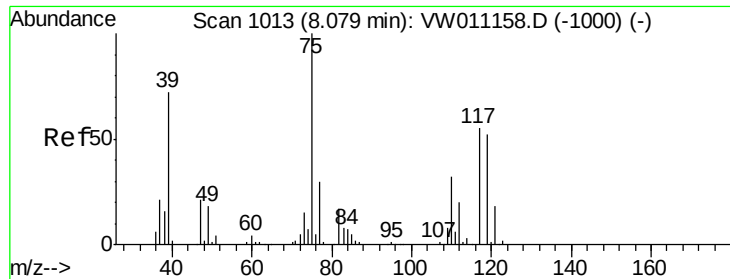
Tot Ion:114 Resp: 330118
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.8
 88 16.6 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 52.005 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011344.D
 Acq: 18 Jul 2019 19:48

Tgt Ion:113 Resp: 102328
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.4 123.6
 192 19.9 15.8 23.8

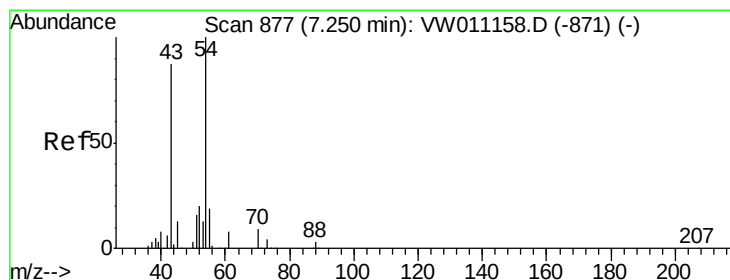
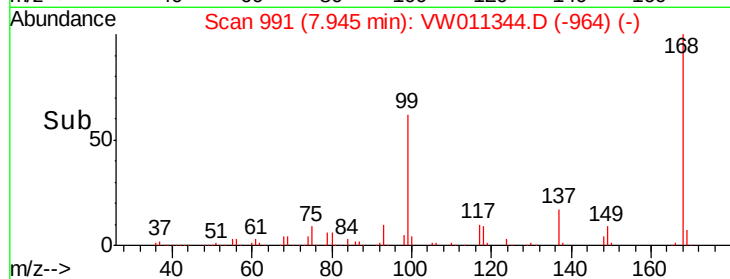
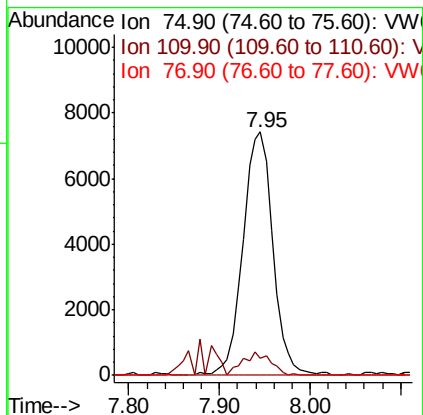
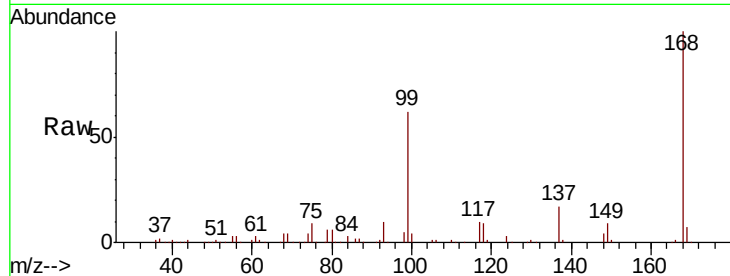




#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011344.D
 Acq: 18 Jul 2019 19:48

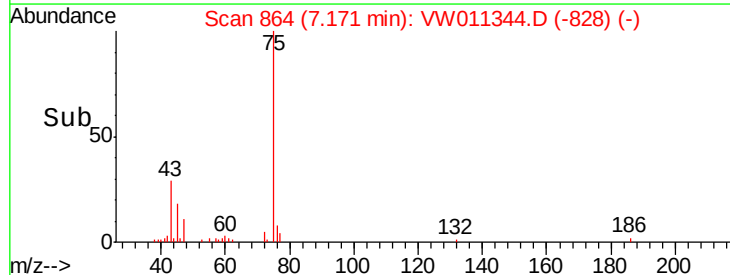
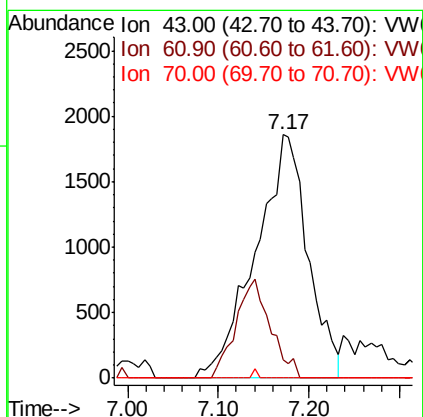
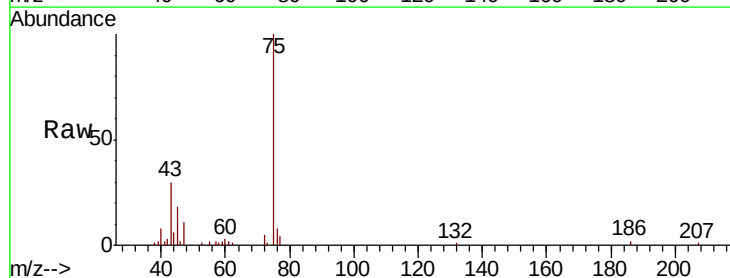
Instrument :
 MSVOA_W
 ClientSampleId :
 18107-NYCT-AVE-Z-TP-3

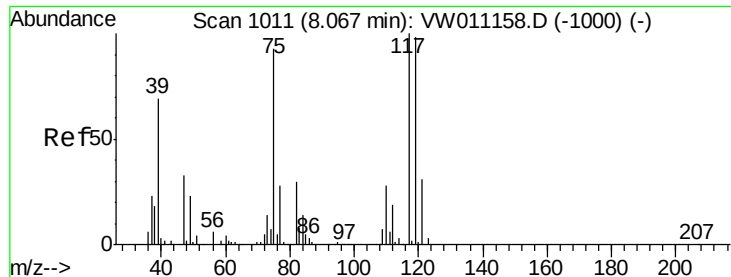
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.9	47.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 3.512 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW011344.D
 Acq: 18 Jul 2019 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.5	14.3#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.529 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

18107-NYCT-AVE-Z-TP-3

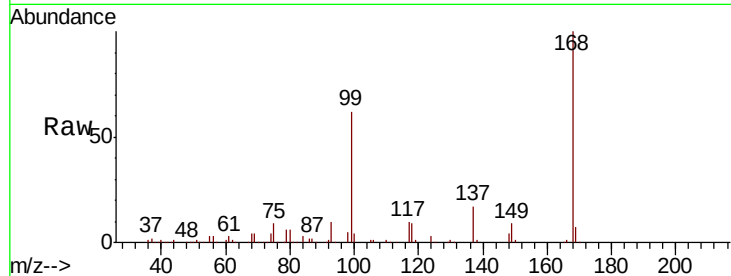
Tot Ion:117 Resp: 19458

Ion Ratio Lower Upper

117 100

119 6.4 78.1 117.1#

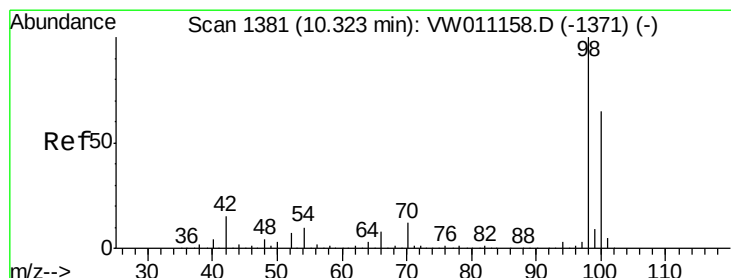
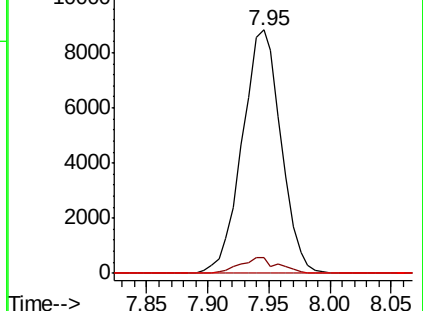
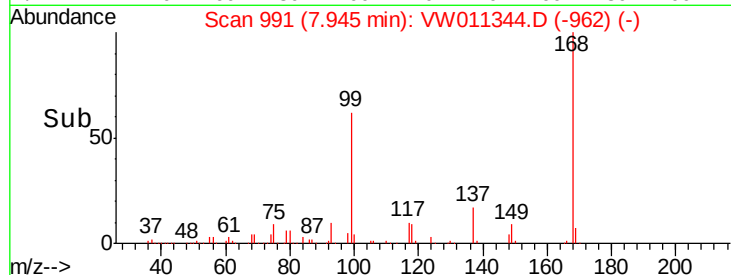
121 0.0 25.1 37.7#



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: 51.654 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011344.D

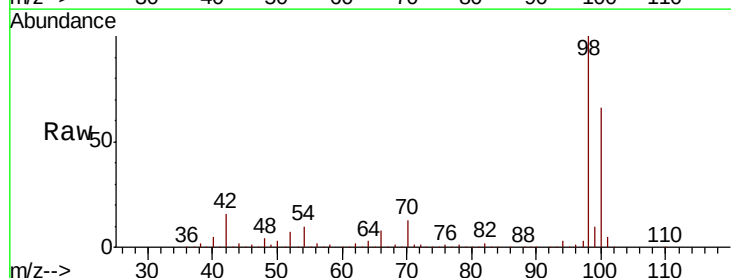
Acq: 18 Jul 2019 19:48

Tgt Ion: 98 Resp: 410830

Ion Ratio Lower Upper

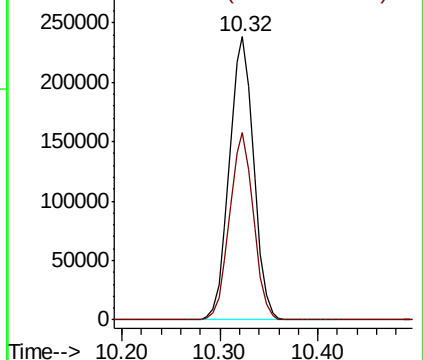
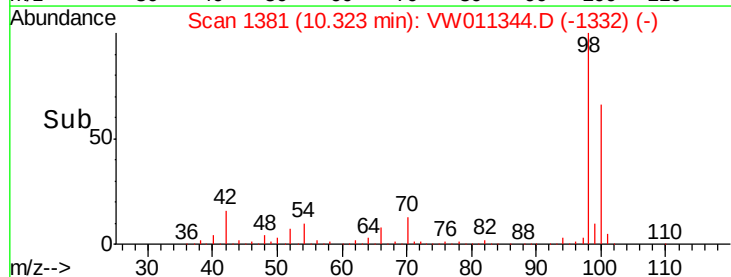
98 100

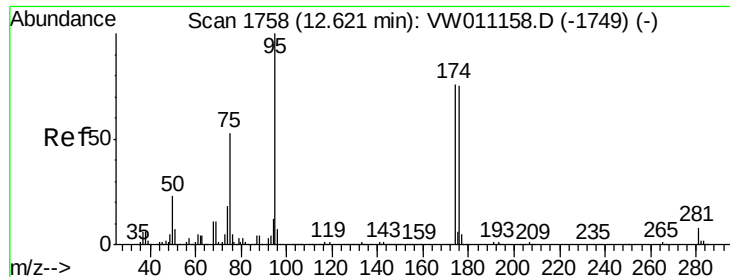
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

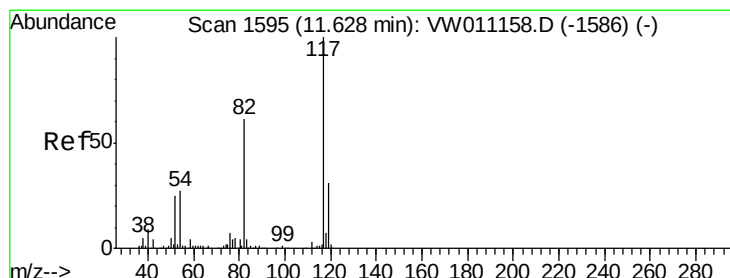
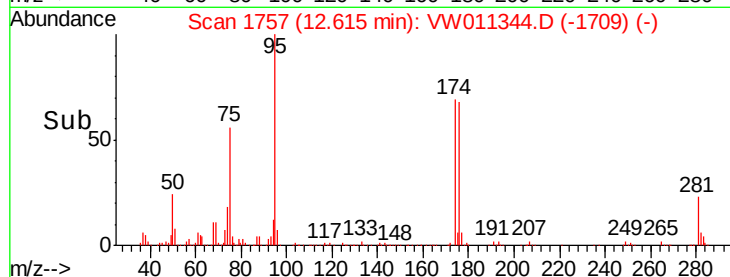
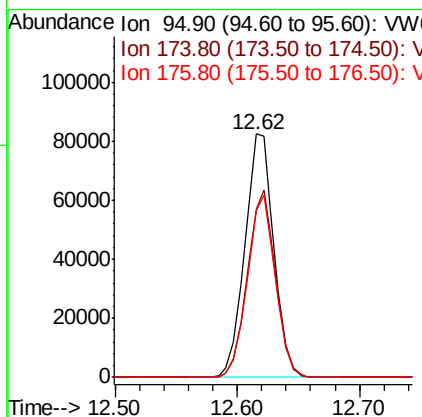
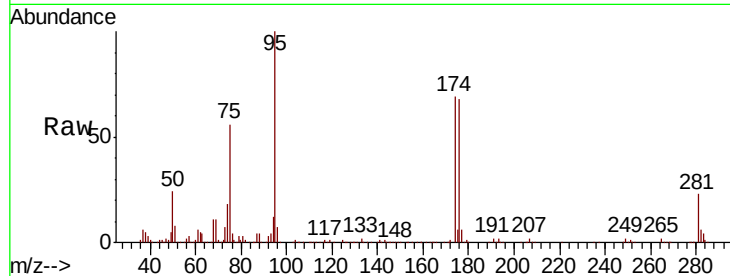




#62
4-Bromofluorobenzene
Concen: 46.387 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011344.D
Acq: 18 Jul 2019 19:48

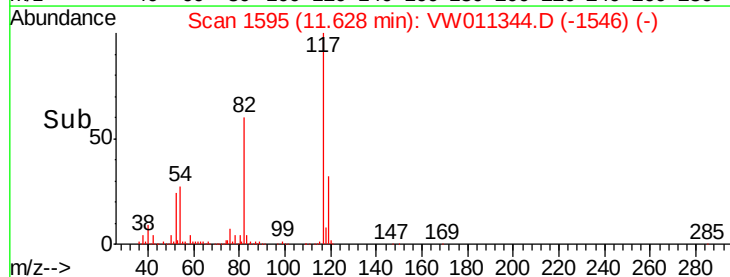
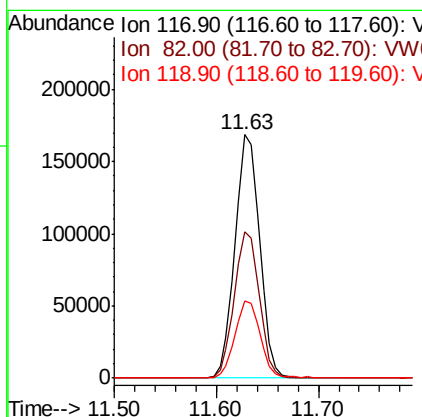
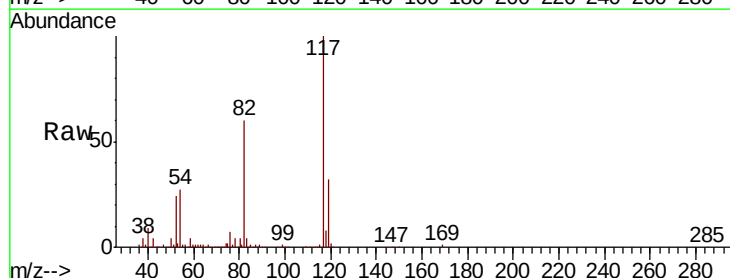
Instrument :
MSVOA_W
ClientSampleId :
18107-NYCT-AVE-Z-TP-3

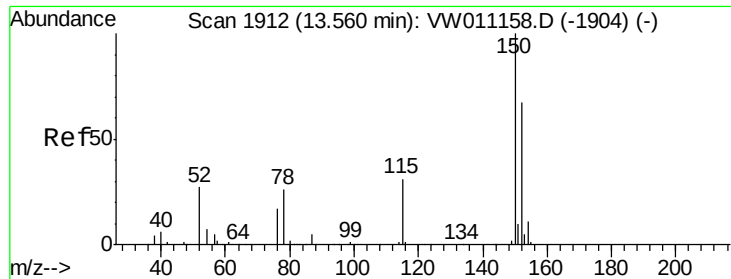
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.6
176	72.4	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011344.D
Acq: 18 Jul 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.9	73.3
119	31.5	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

18107-NYCT-AVE-Z-TP-3

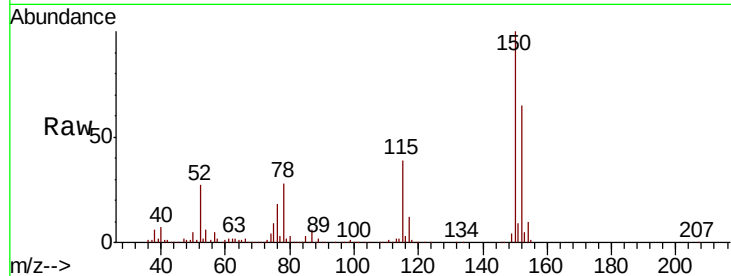
Tot Ion:152 Resp: 117867

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

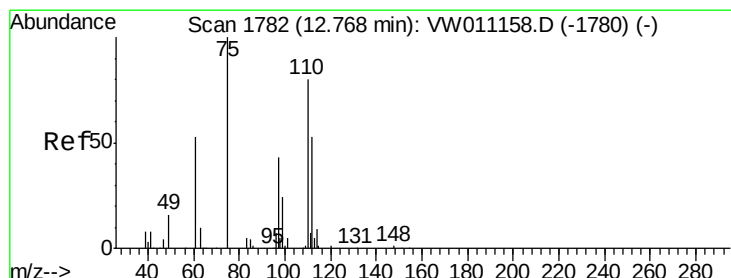
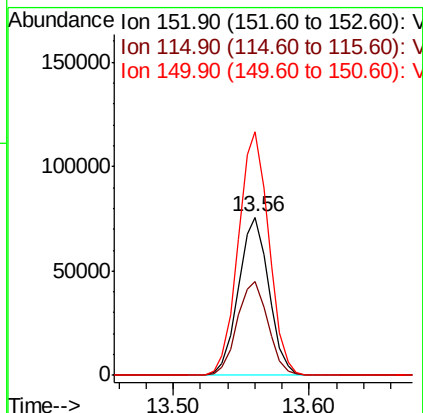
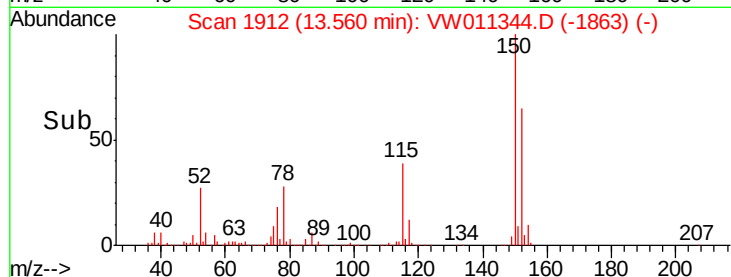
150 155.5 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 53.563 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011344.D

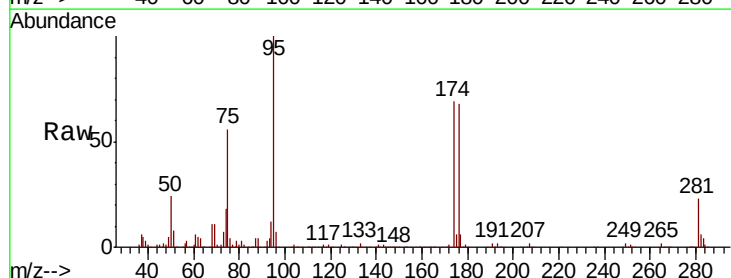
Acq: 18 Jul 2019 19:48

Tgt Ion: 75 Resp: 72959

Ion Ratio Lower Upper

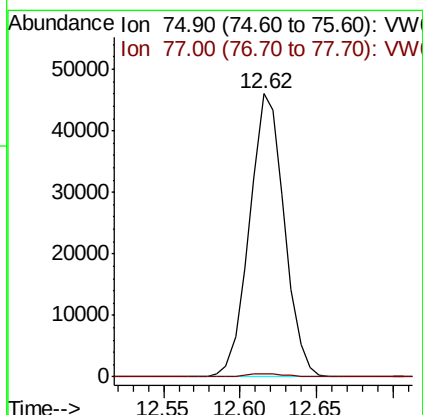
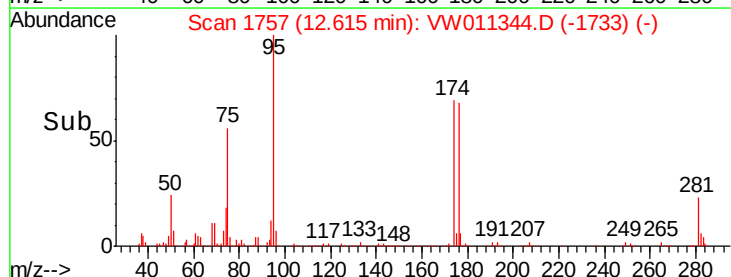
75 100

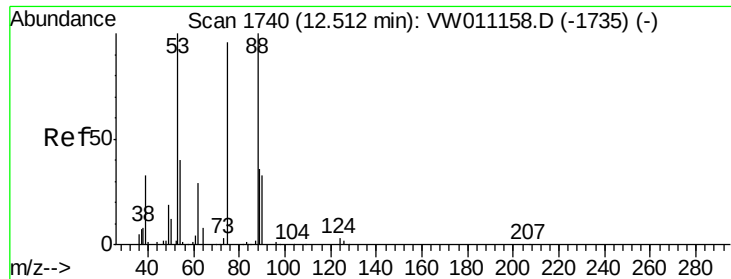
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 121.150 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011344.D

Acq: 18 Jul 2019 19:48

Instrument :

MSVOA_W

ClientSampleId :

18107-NYCT-AVE-Z-TP-3

Tot Ion: 75 Resp: 72959

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.5 34.3 51.5#

