

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010711.D
 Acq On : 06 Jun 2019 15:49
 Operator : SY/VA
 Sample : K3097-15
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0435-HR-15(HACKENSACK)

Quant Time: Jun 07 07:39:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140343	60.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.38%	
35) Dibromofluoromethane	7.88	113	99877	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	444095	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.62	95	158457	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

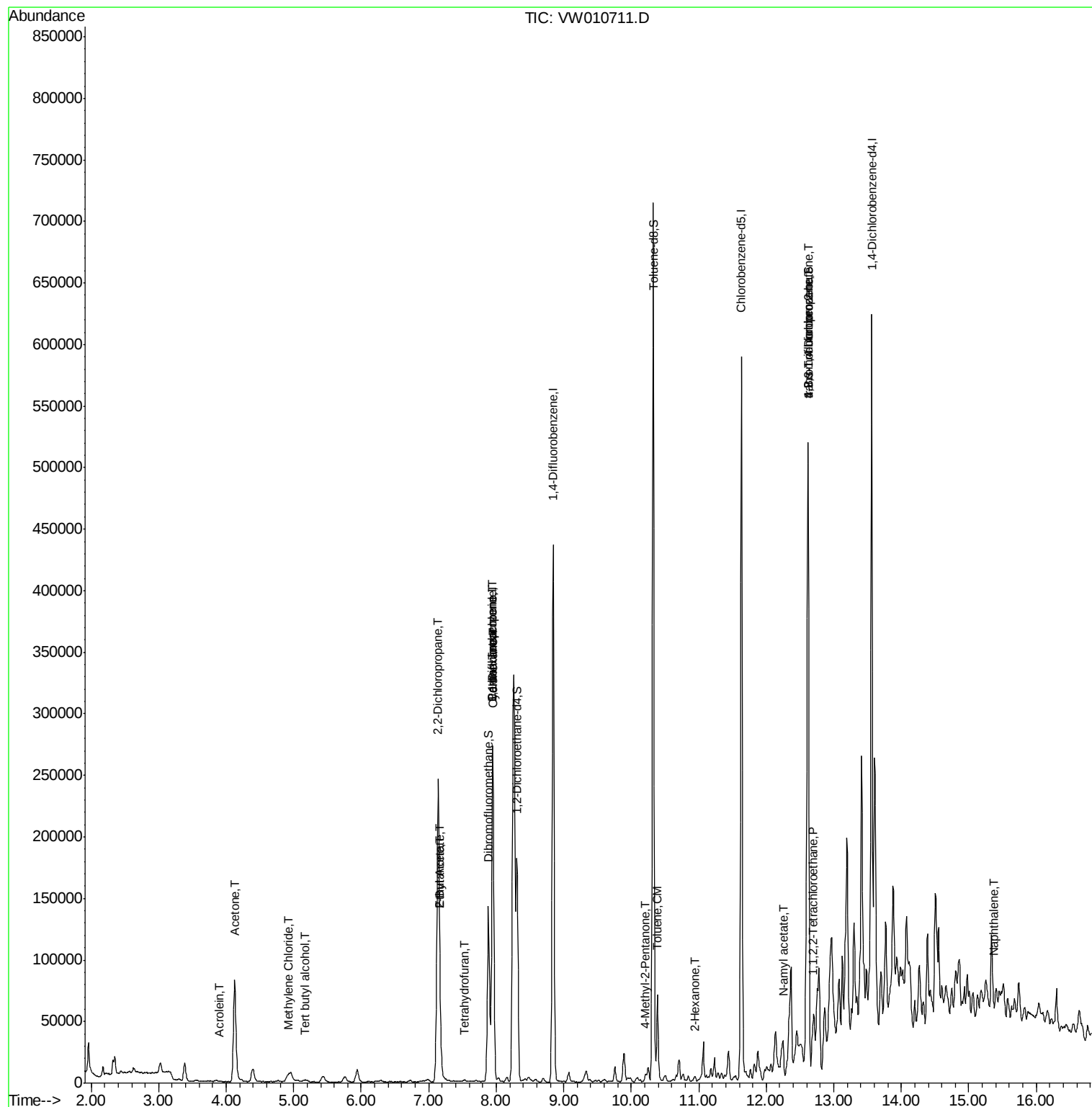
						Qvalue
11) Tert butyl alcohol	5.18	59	3335	17.703	ug/l #	88
13) Acrolein	3.90	56	271	3.520	ug/l #	14
16) Acetone	4.12	43	148967	240.421	ug/l	98
20) Methylene Chloride	4.92	84	2519	1.159	ug/l	85
25) 2-Butanone	7.17	43	32665	38.019	ug/l	95
26) 2,2-Dichloropropane	7.14	77	15386	4.505	ug/l #	55
29) Tetrahydrofuran	7.54	42	618	1.144	ug/l #	76
31) Cyclohexane	7.96	56	6705	1.437	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	17768	5.076	ug/l #	51
37) Ethyl Acetate	7.17	43	32665	16.841	ug/l #	72
38) Carbon Tetrachloride	7.95	117	20116	6.657	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	5712	2.984	ug/l	90
52) Toluene	10.39	92	27679	4.711	ug/l	99
59) 2-Hexanone	10.94	43	1890	1.366	ug/l #	34
74) N-amyl acetate	12.25	43	9979	3.056	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.69	83	2706	1.407	ug/l #	7
76) 1,2,3-Trichloropropane	12.62	75	85352	60.442	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85352	138.915	ug/l #	5
95) Naphthalene	15.37	128	6832	1.401	ug/l #	77

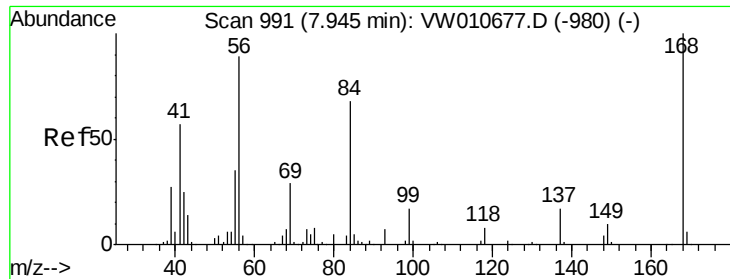
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

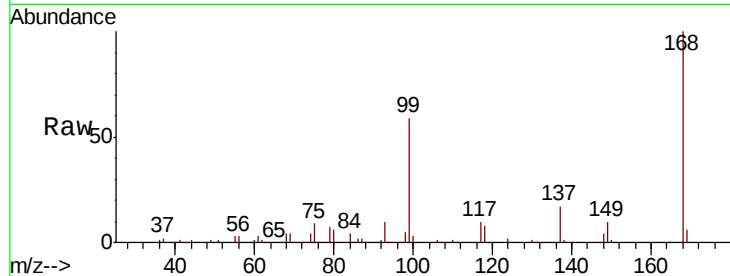
0435-HR-15(HACKENSACK)

Tot Ion:168 Resp: 196189

Ion Ratio Lower Upper

168 100

99 58.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

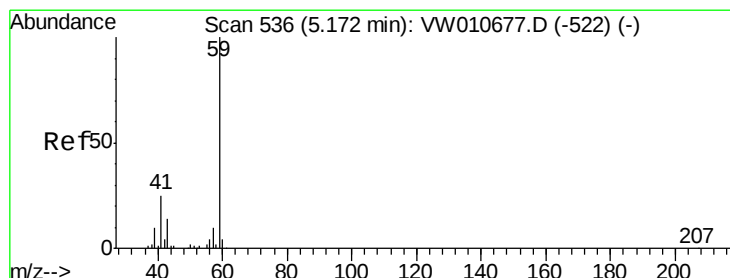
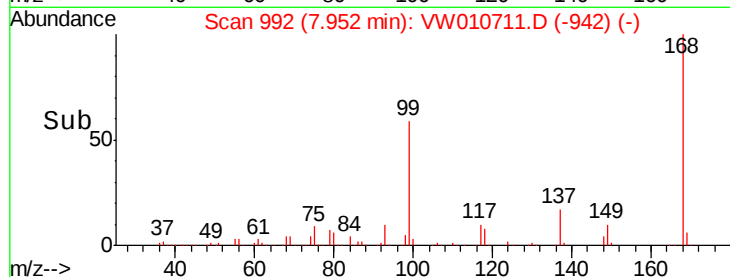
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.703 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010711.D

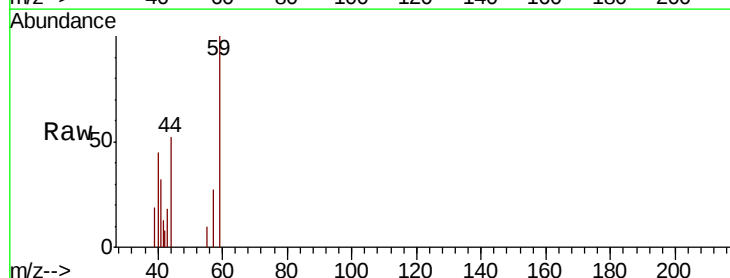
Acq: 06 Jun 2019 15:49

Tgt Ion: 59 Resp: 3335

Ion Ratio Lower Upper

59 100

57 6.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

800

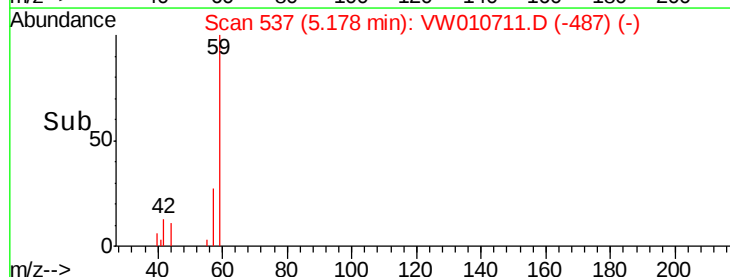
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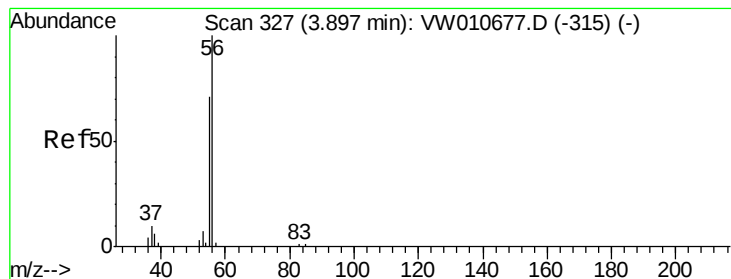
400

200

0

Time-->





#13

Acrolein

Concen: 3.520 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

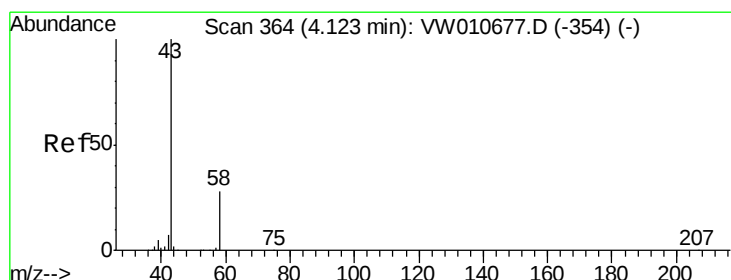
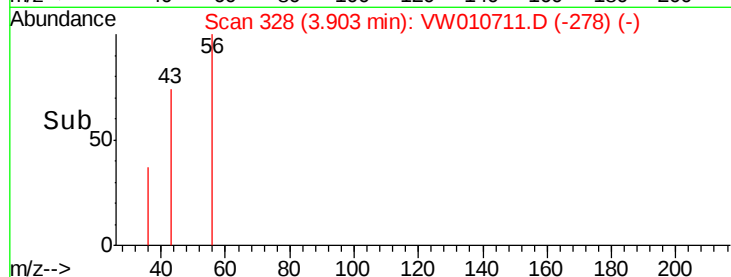
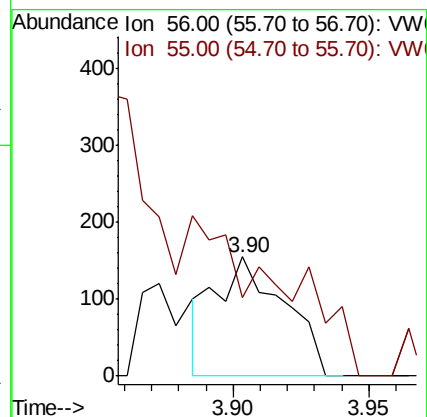
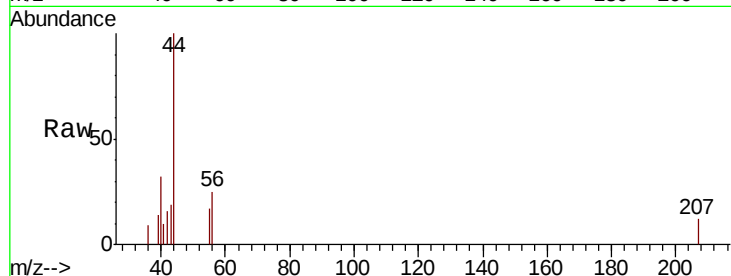
0435-HR-15(HACKENSACK)

Tot Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#16

Acetone

Concen: 240.421 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010711.D

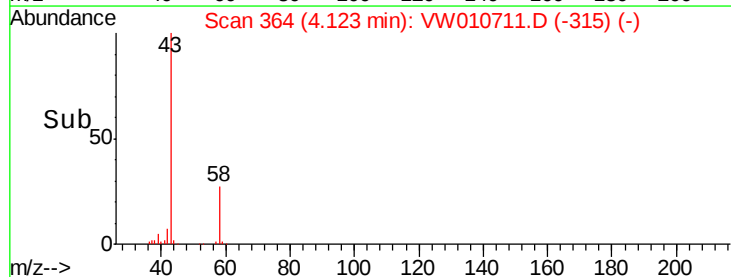
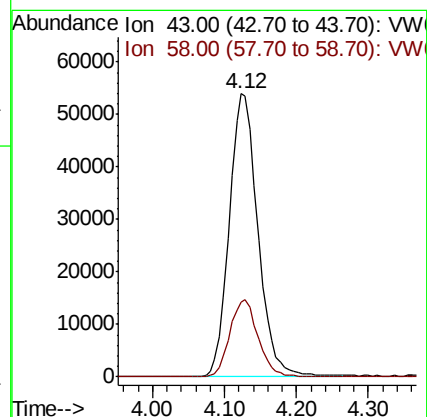
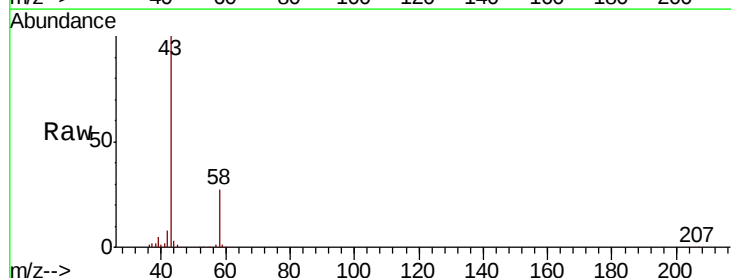
Acq: 06 Jun 2019 15:49

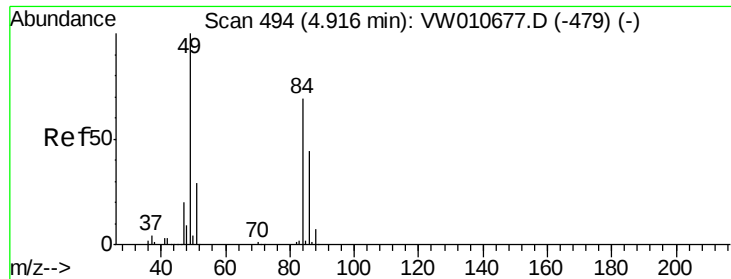
Tgt Ion: 43 Resp: 148967

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1

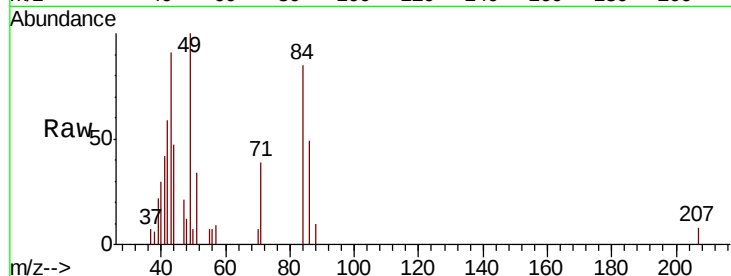




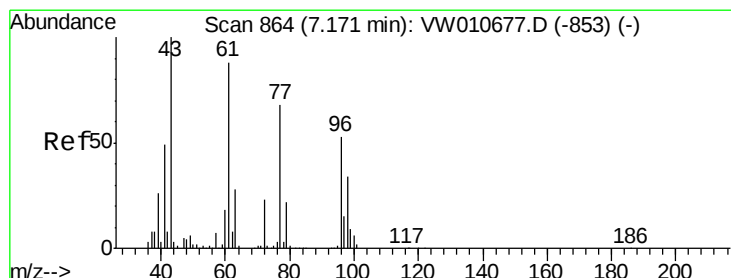
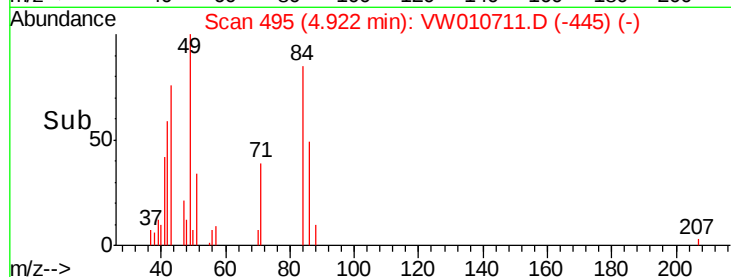
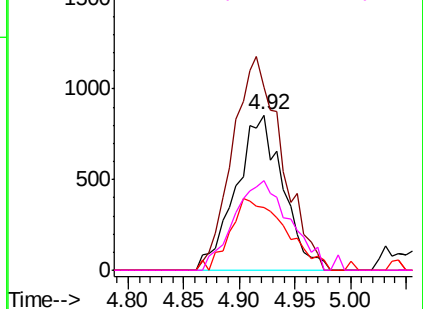
#20
Methvlene Chloride
Concen: 1.159 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

Tot Ion: 84 Resp: 2519
Ion Ratio Lower Upper
84 100
49 118.1 116.7 175.1
51 40.7 34.2 51.2
86 58.2 51.2 76.8

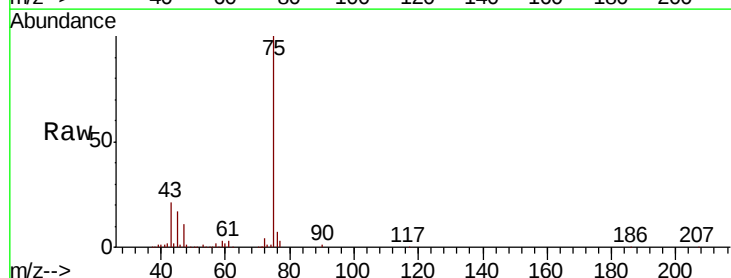


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

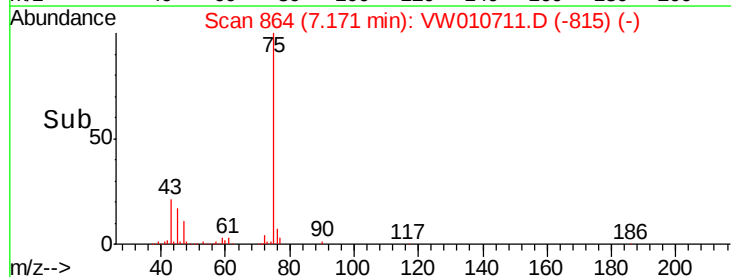
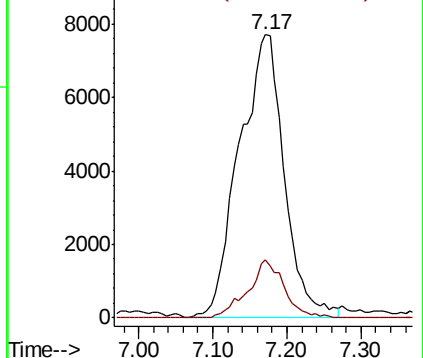


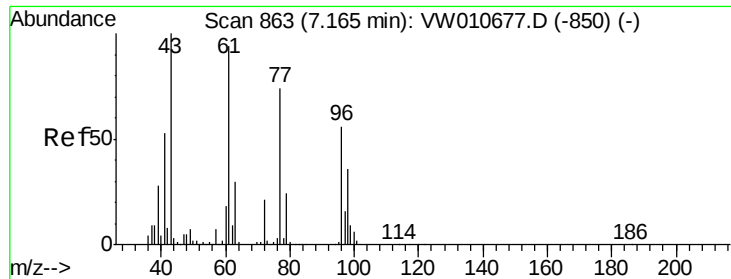
#25
2-Butanone
Concen: 38.019 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Tgt Ion: 43 Resp: 32665
Ion Ratio Lower Upper
43 100
72 20.4 18.1 27.1



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





#26

2,2-Dichloropropane

Concen: 4.505 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

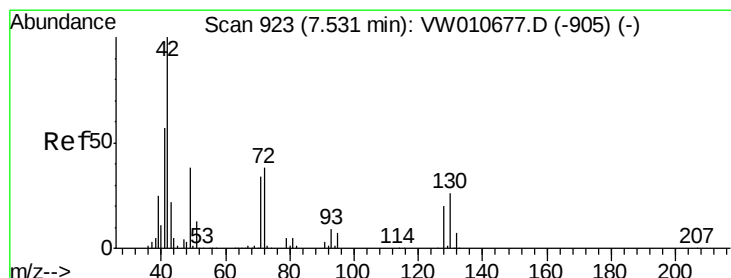
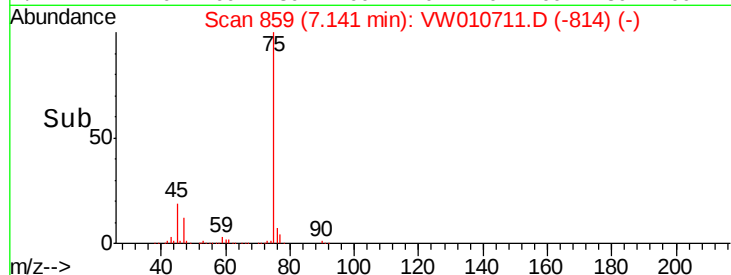
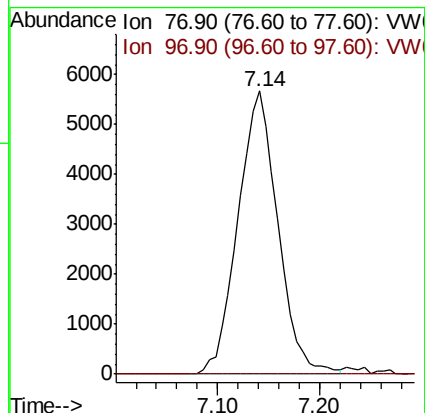
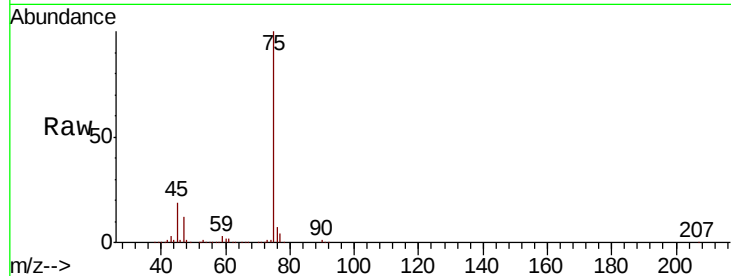
0435-HR-15(HACKENSACK)

Tot Ion: 77 Resp: 15386

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



#29

Tetrahydrofuran

Concen: 1.144 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

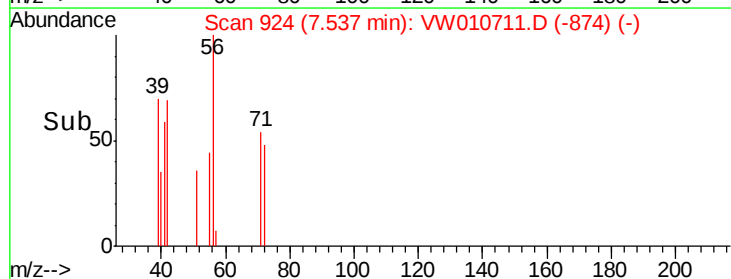
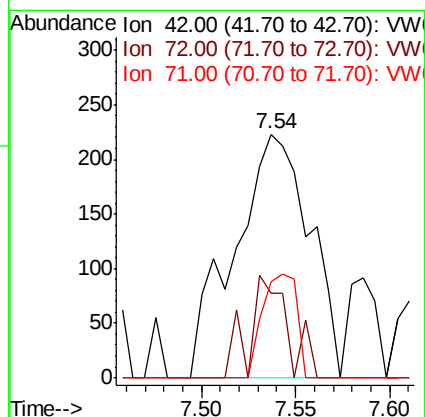
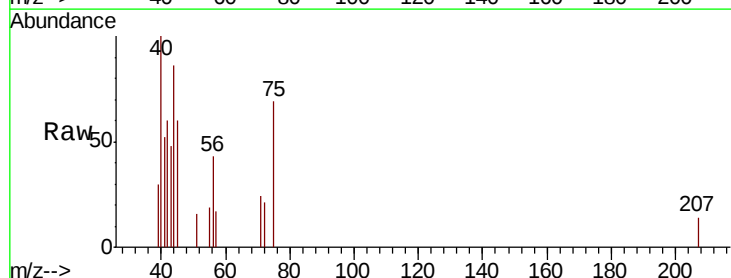
Tgt Ion: 42 Resp: 618

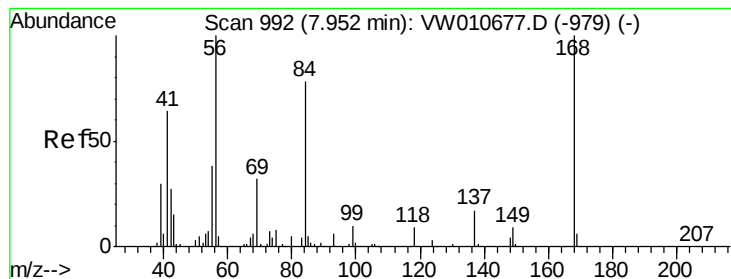
Ion Ratio Lower Upper

42 100

72 21.5 28.7 43.1#

71 19.4 26.6 39.8#





#31

Cvclohexane

Concen: 1.437 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

0435-HR-15(HACKENSACK)

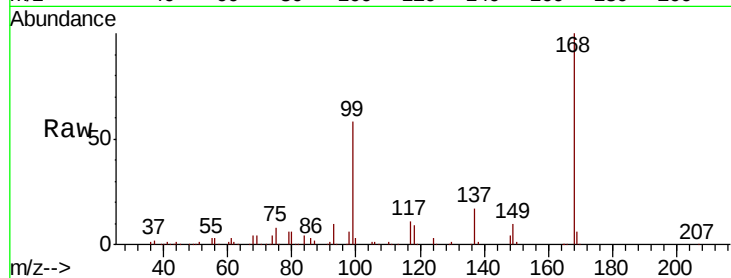
Tot Ion: 56 Resp: 6705

Ion Ratio Lower Upper

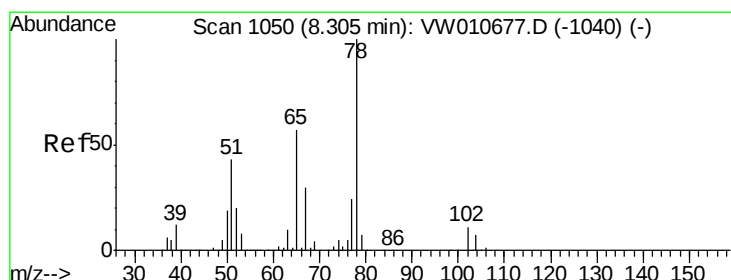
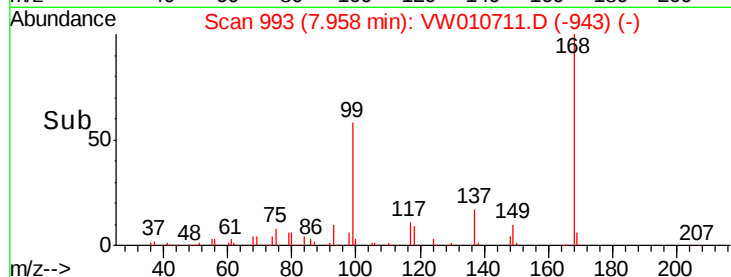
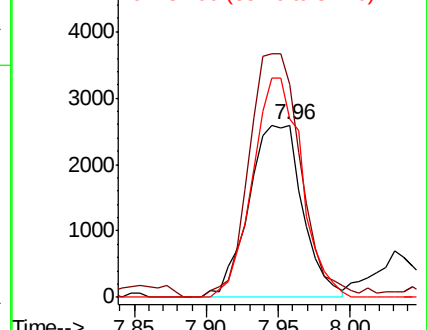
56 100

69 123.4 25.2 37.8#

84 103.4 62.2 93.2#



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: 60.691 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010711.D

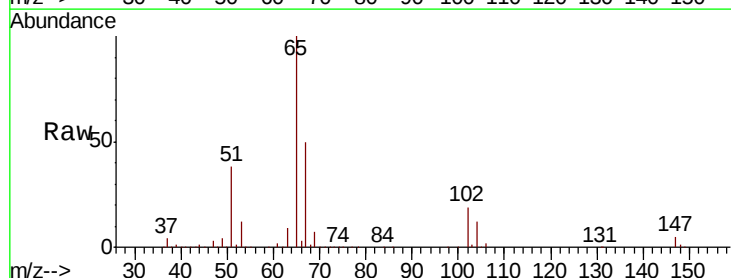
Acq: 06 Jun 2019 15:49

Tgt Ion: 65 Resp: 140343

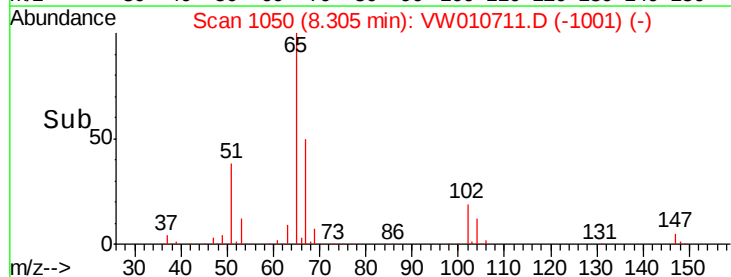
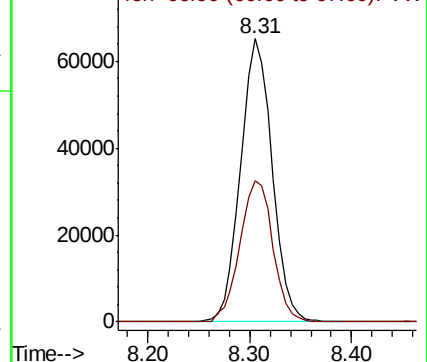
Ion Ratio Lower Upper

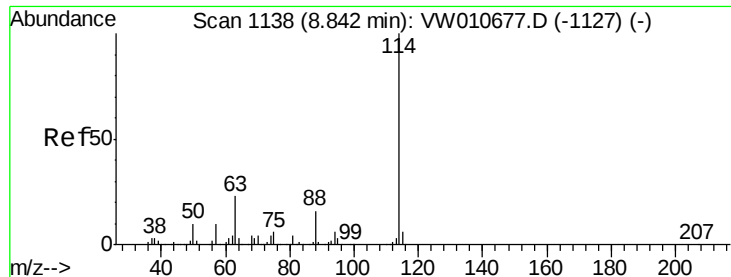
65 100

67 52.0 0.0 102.6



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

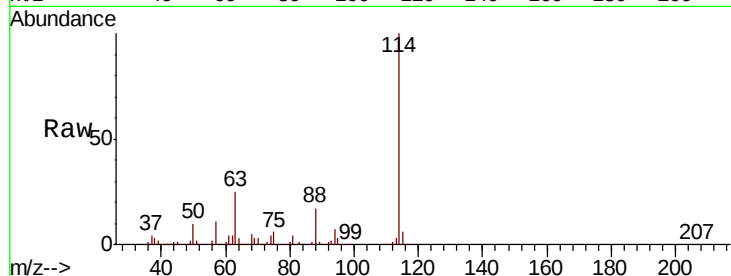




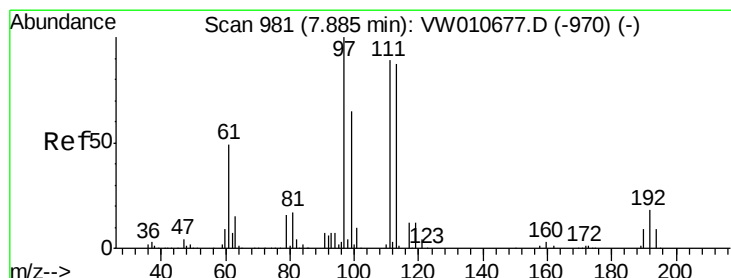
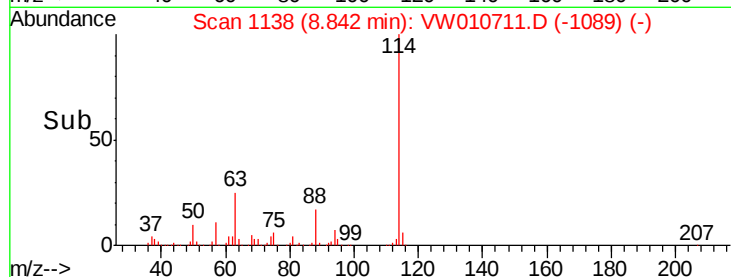
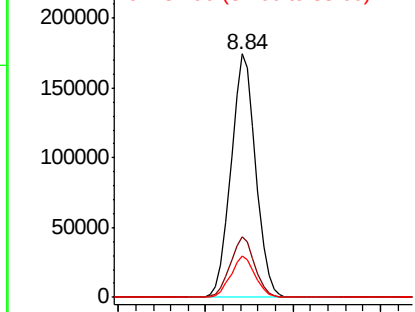
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010711.D
 Acq: 06 Jun 2019 15:49

Instrument :
 MSVOA_W
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 0435-HR-15(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	46.4
88	17.1	0.0	32.2

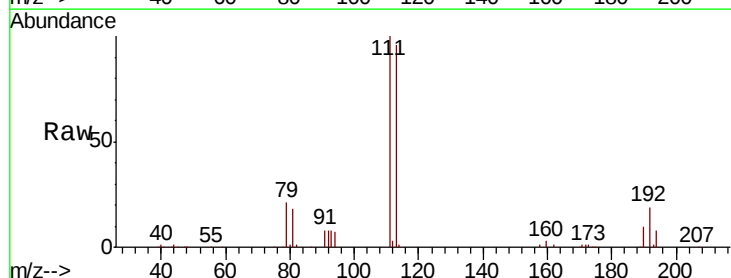


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

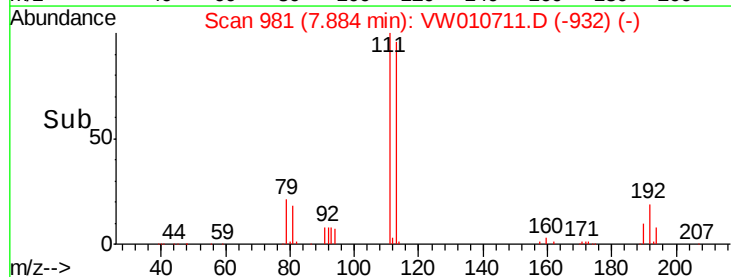
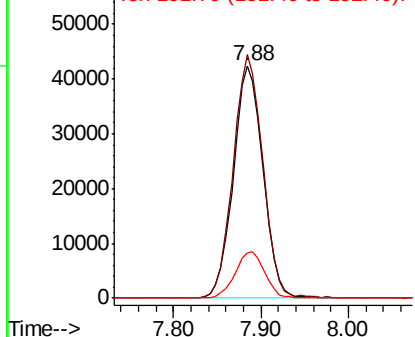


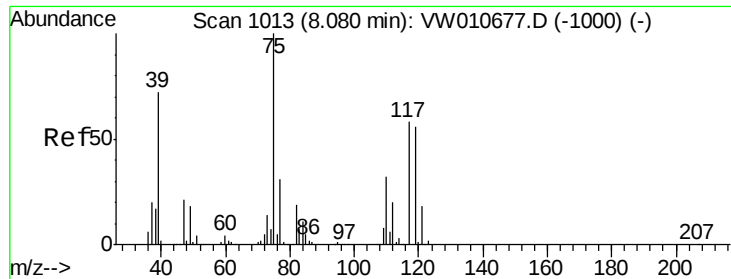
#35
 Dibromofluoromethane
 Concen: 53.813 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010711.D
 Acq: 06 Jun 2019 15:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	20.0	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

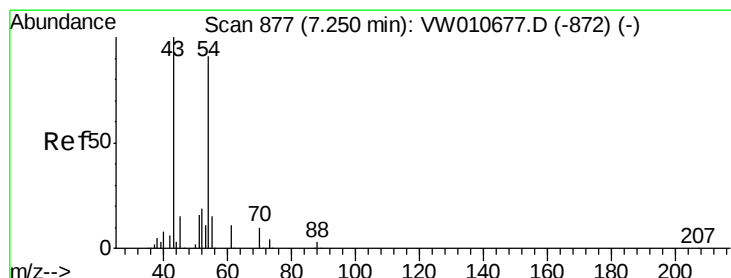
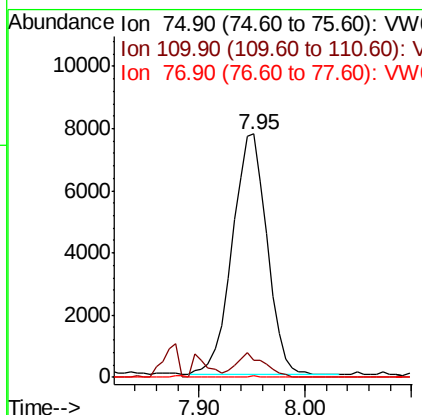
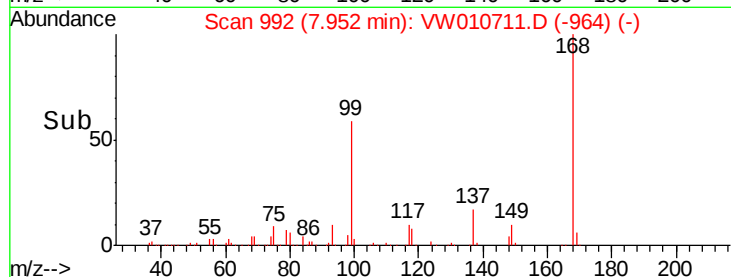
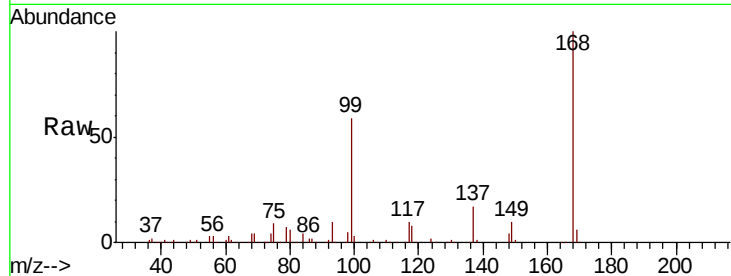




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010711.D
 Acq: 06 Jun 2019 15:49

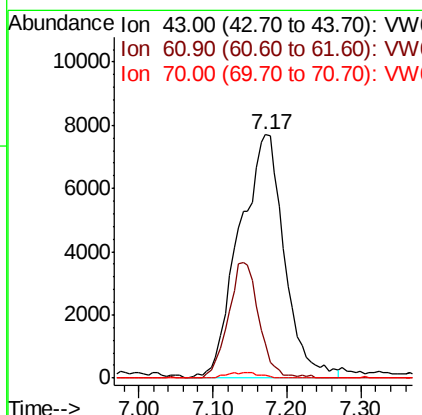
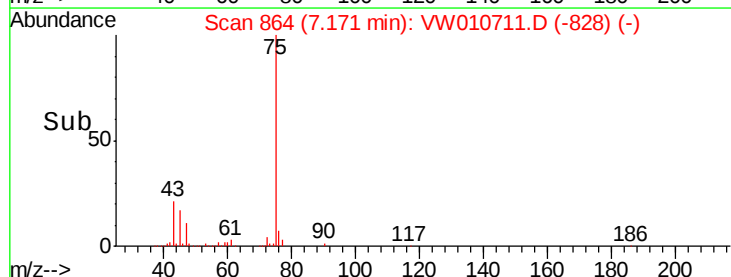
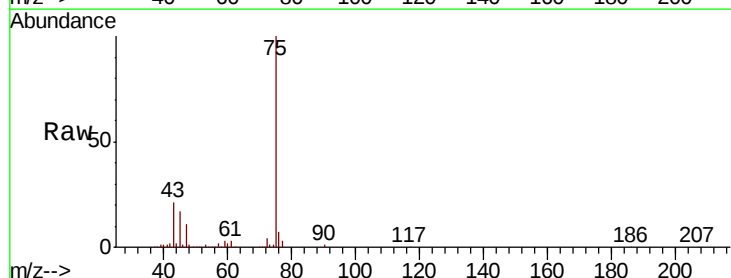
Instrument :
 MSVOA_W
 ClientSampleId :
 0435-HR-15(HACKENSACK)

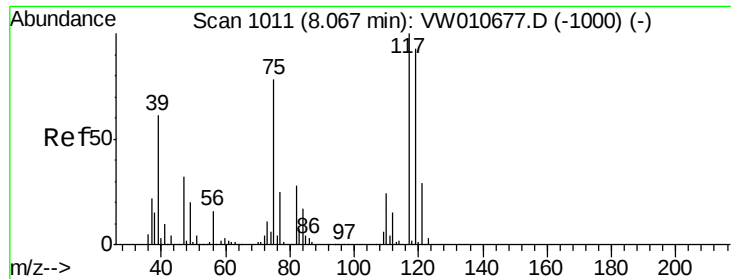
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.8	47.3#
77	0.1	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 16.841 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW010711.D
 Acq: 06 Jun 2019 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.2	10.8#

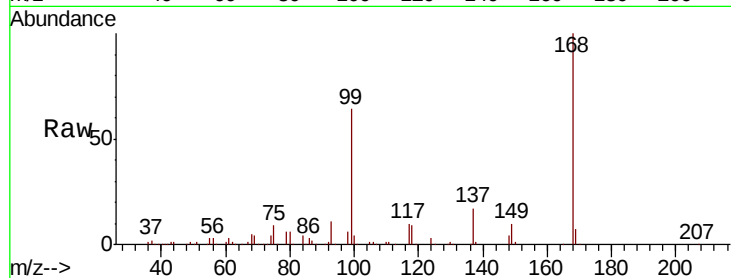




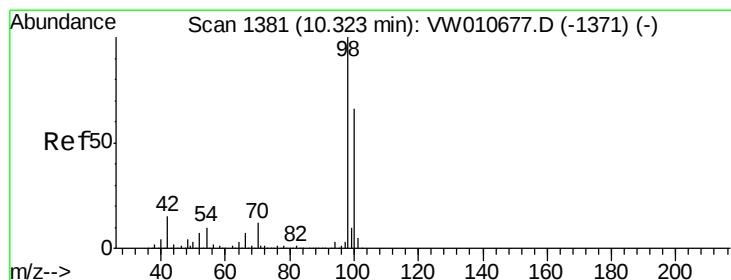
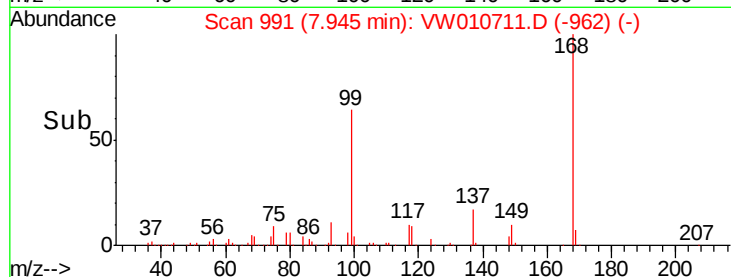
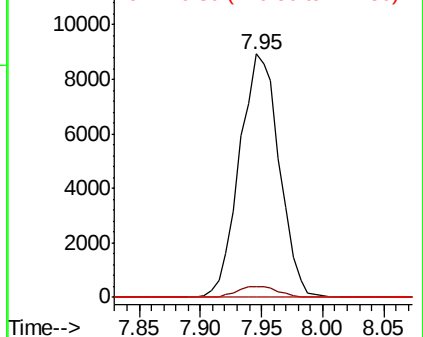
#38
Carbon Tetrachloride
Concen: 6.657 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

Tot Ion:117 Resp: 20116
Ion Ratio Lower Upper
117 100
119 4.4 74.2 111.4#
121 0.0 22.9 34.3#

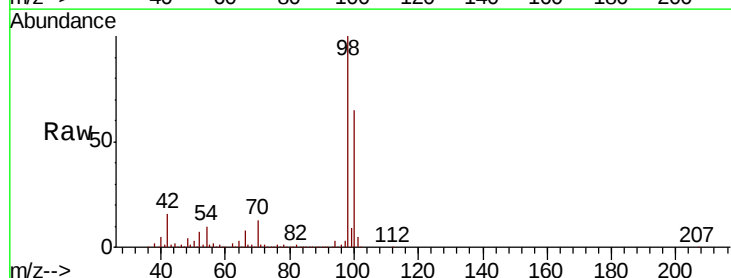


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

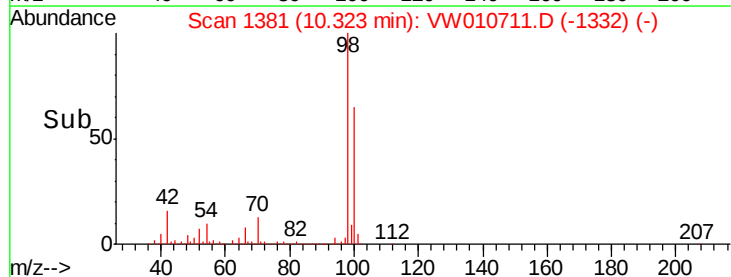
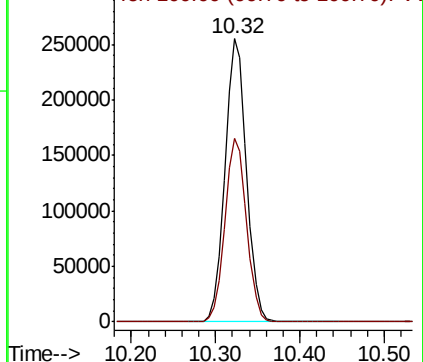


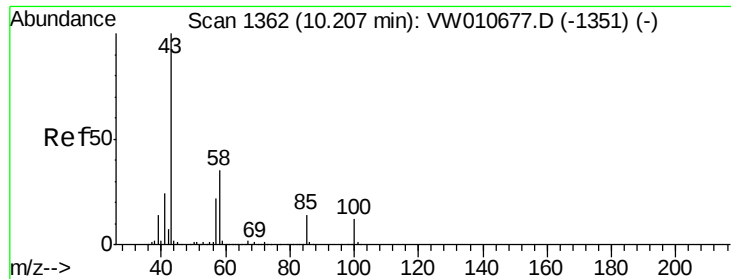
#50
Toluene-d8
Concen: 54.565 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Tgt Ion: 98 Resp: 444095
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



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: 2.984 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

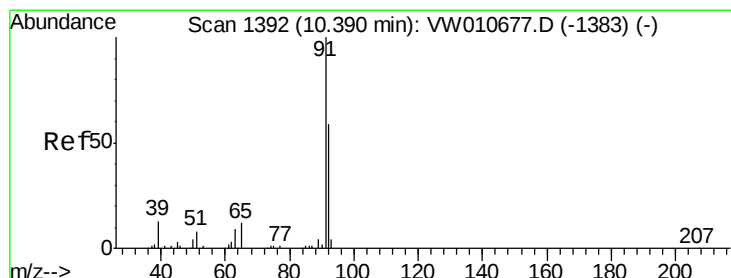
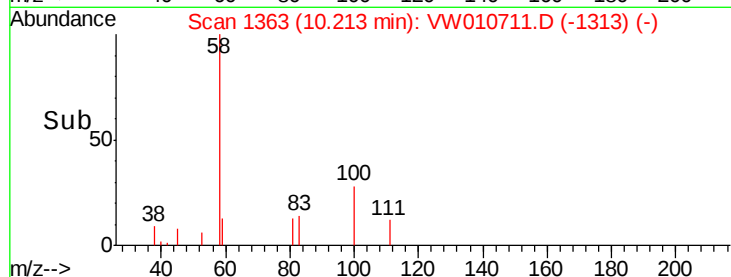
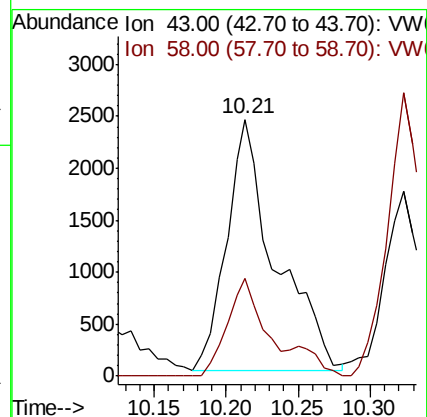
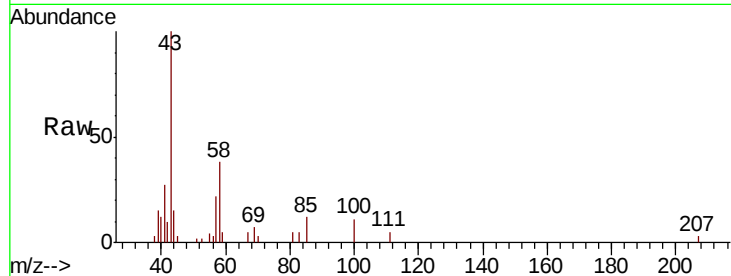
0435-HR-15(HACKENSACK)

Tot Ion: 43 Resp: 5712

Ion Ratio Lower Upper

43 100

58 29.8 28.4 42.6



#52

Toluene

Concen: 4.711 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010711.D

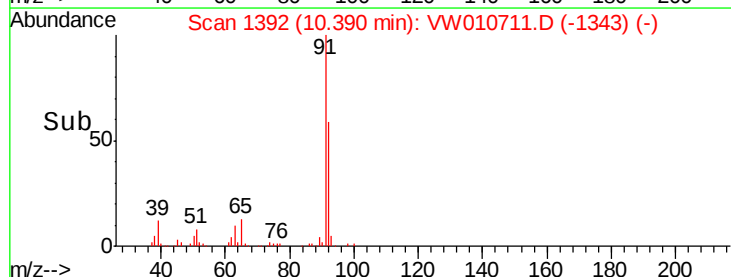
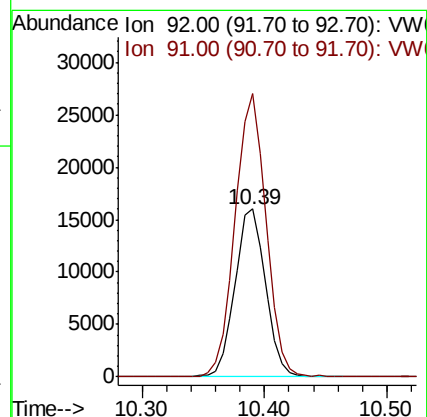
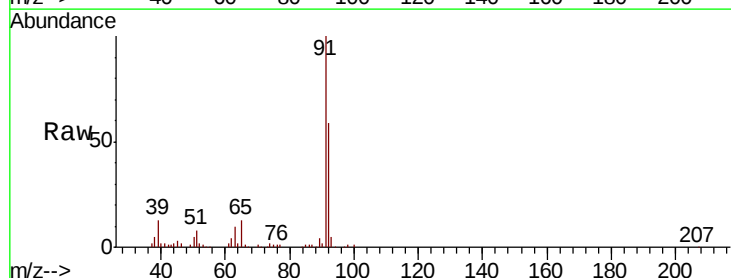
Acq: 06 Jun 2019 15:49

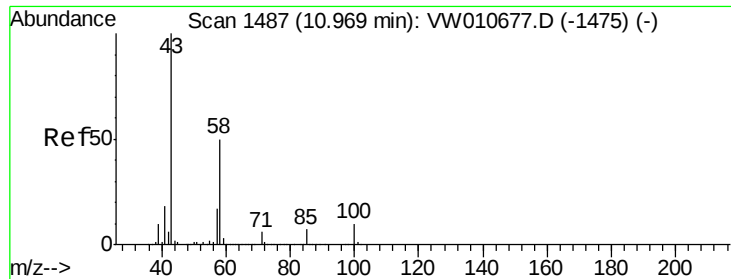
Tgt Ion: 92 Resp: 27679

Ion Ratio Lower Upper

92 100

91 170.5 134.9 202.3

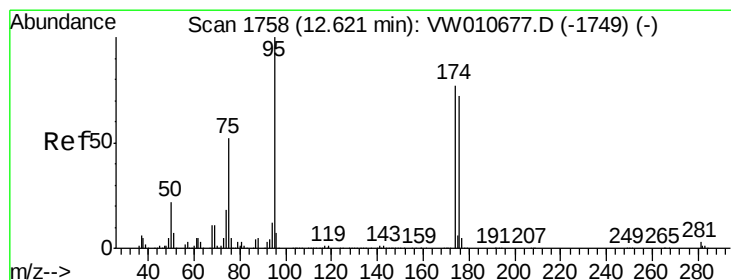
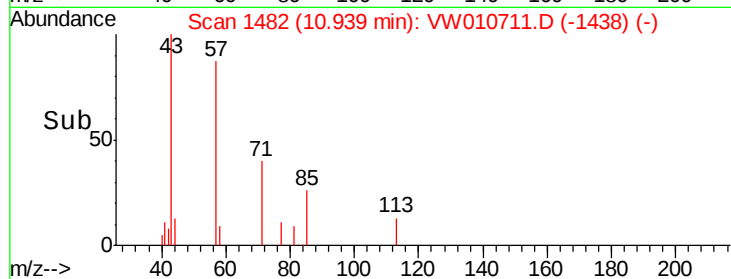
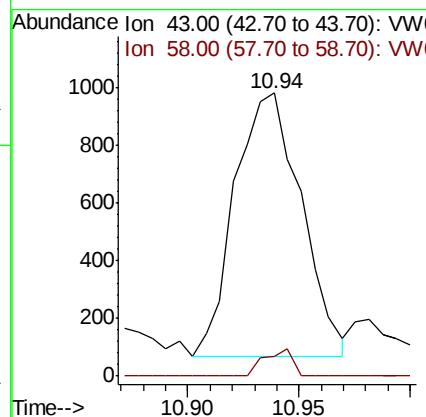
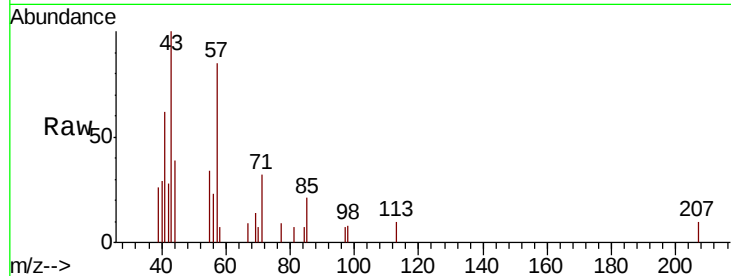




#59
2-Hexanone
Concen: 1.366 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

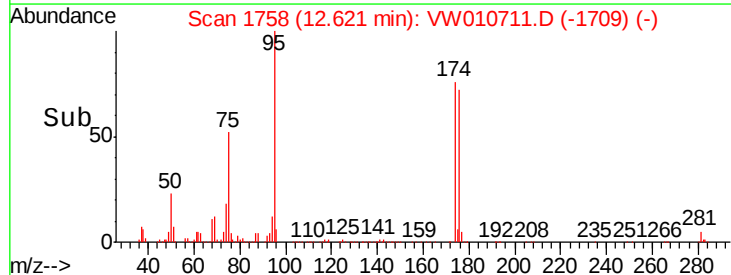
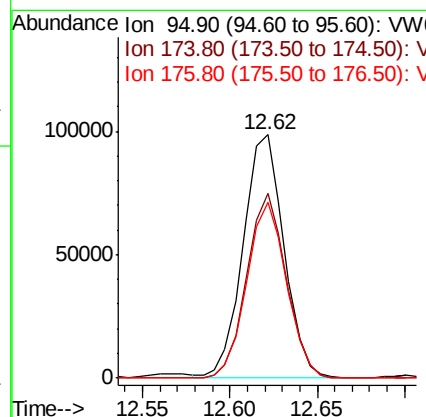
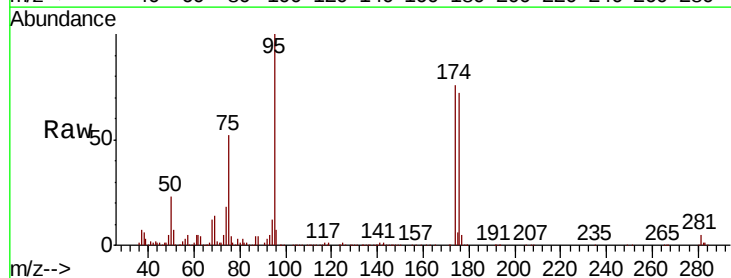
Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

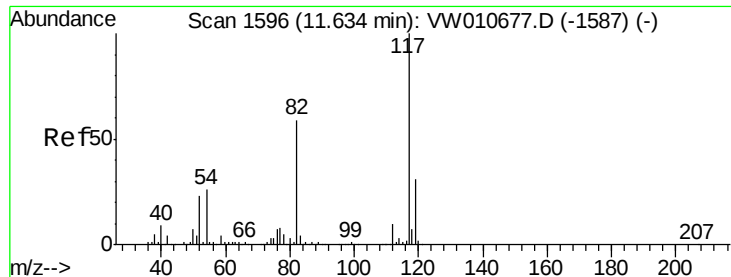
Tot Ion: 43 Resp: 1890
Ion Ratio Lower Upper
43 100
58 4.4 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.504 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Tgt Ion: 95 Resp: 158457
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.4
176 71.0 0.0 144.8

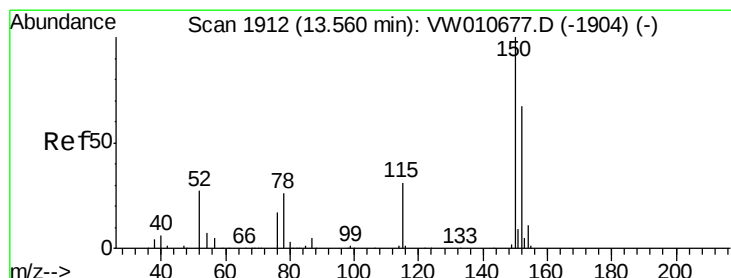
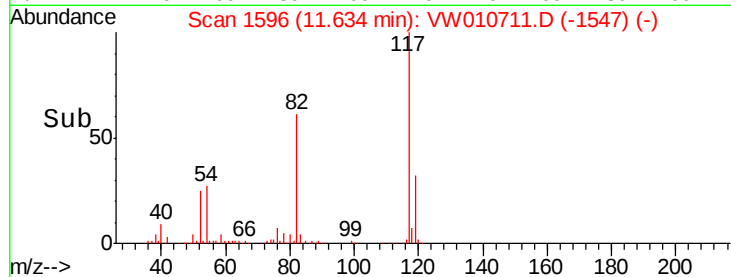
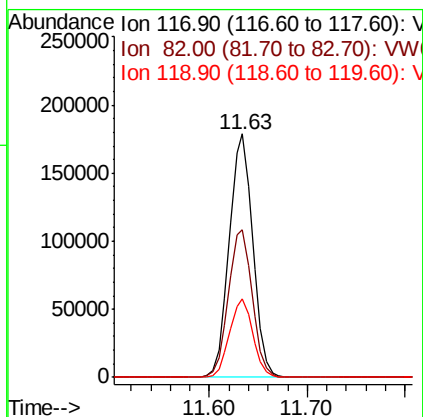
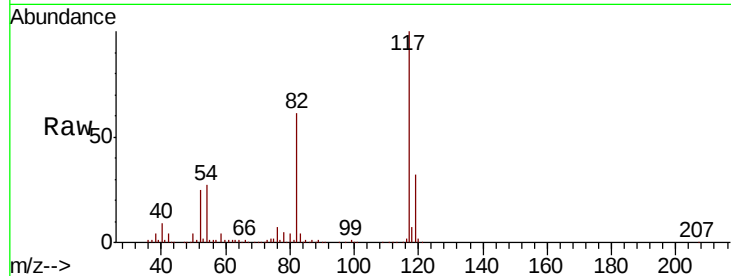




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

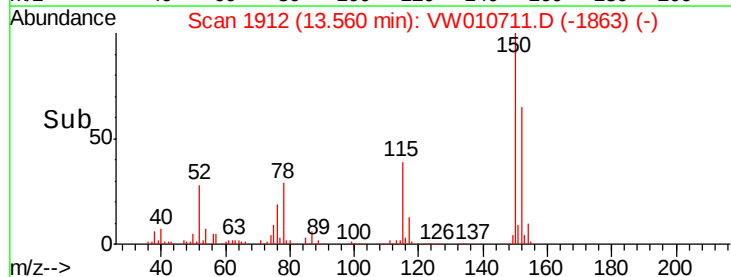
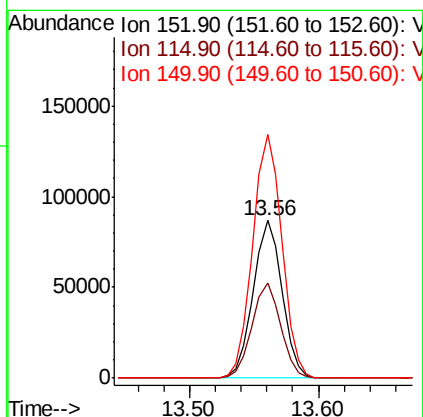
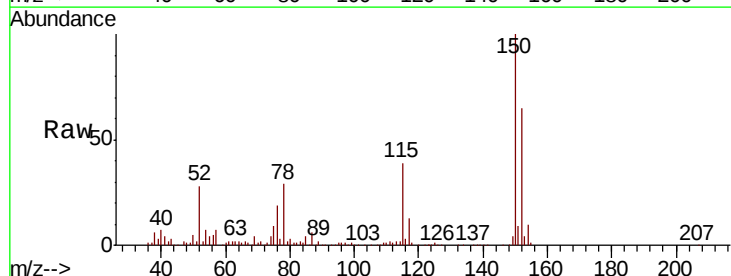
Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

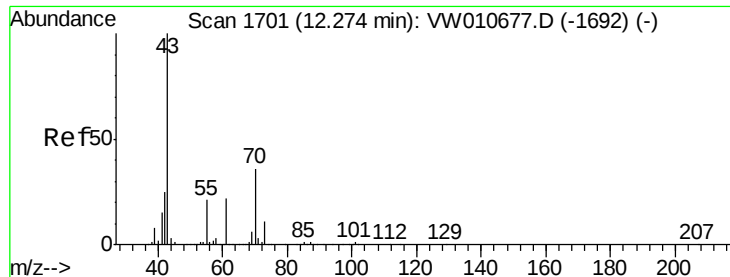
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.0	70.4
119	32.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.8	89.3
150	156.3	0.0	345.0

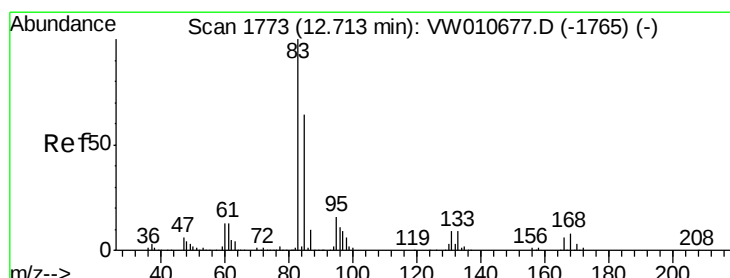
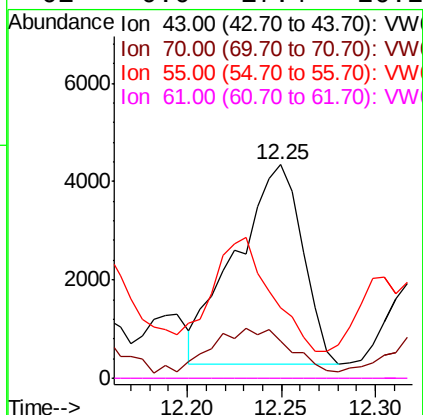
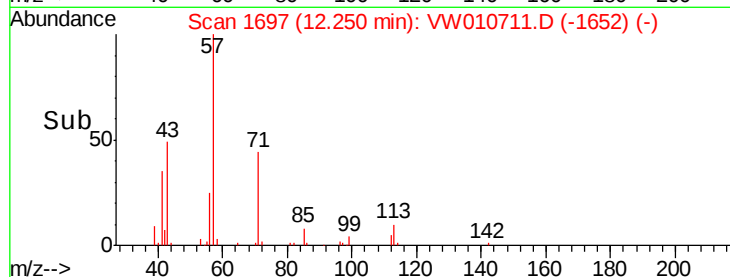
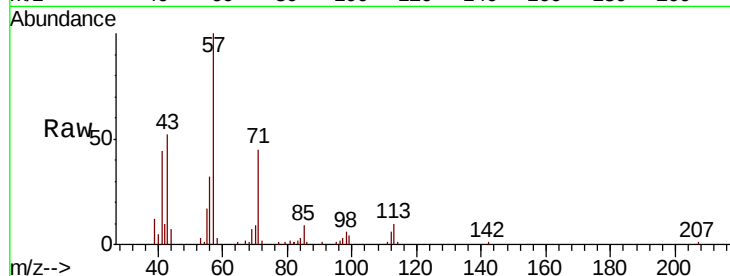




#74
N-amvl acetate
Concen: 3.056 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

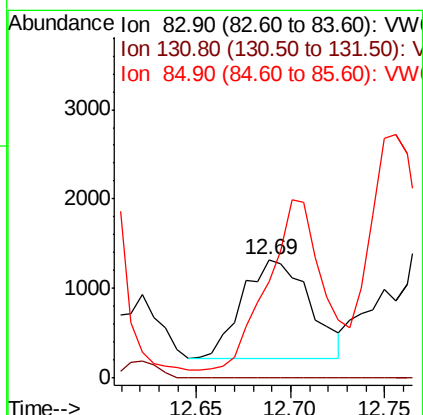
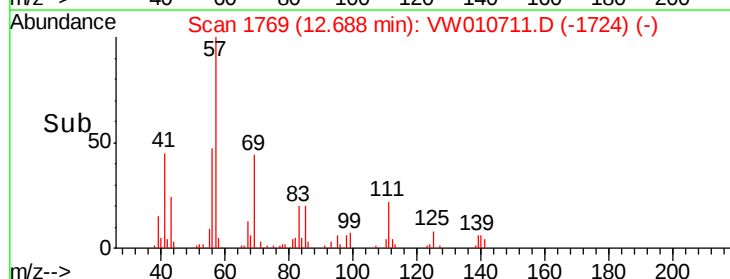
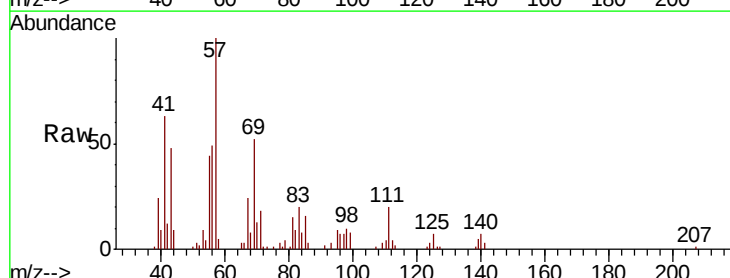
Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

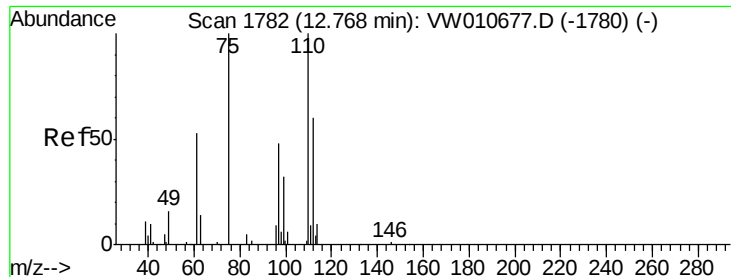
Tot Ion: 43 Resp: 9979
Ion Ratio Lower Upper
43 100
70 24.0 29.2 43.8#
55 49.6 17.5 26.3#
61 0.0 17.4 26.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.407 ug/l
RT: 12.69 min Scan# 1769
Delta R.T. -0.02 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Tgt Ion: 83 Resp: 2706
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 144.6 31.9 95.9#





#76

1,2,3-Trichloropropane

Concen: 60.442 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

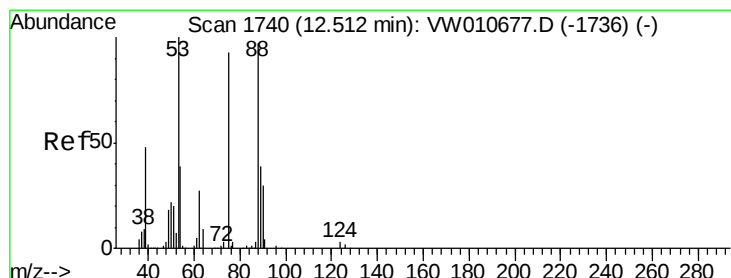
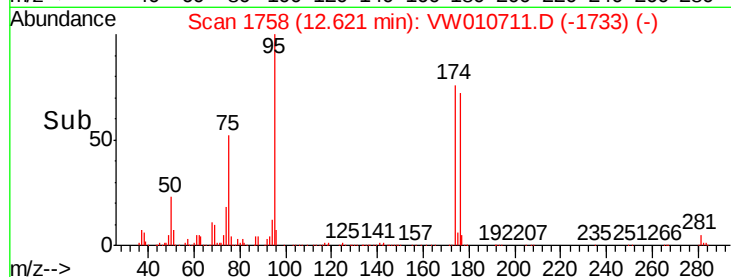
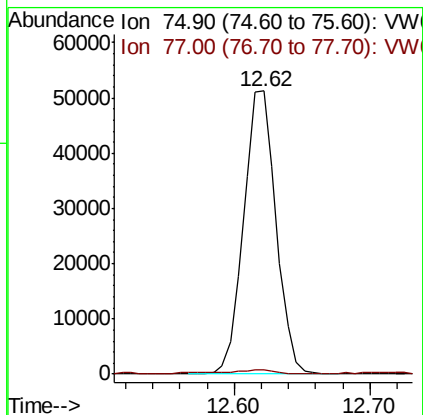
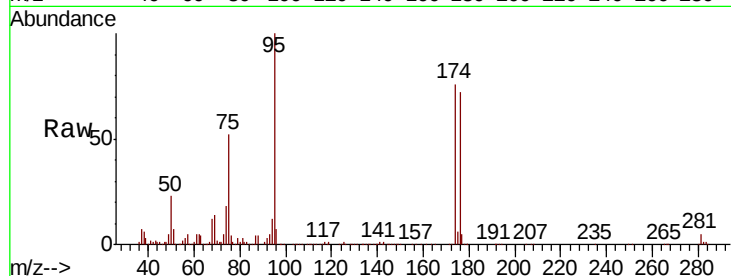
0435-HR-15(HACKENSACK)

Tot Ion: 75 Resp: 85352

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.915 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010711.D

Acq: 06 Jun 2019 15:49

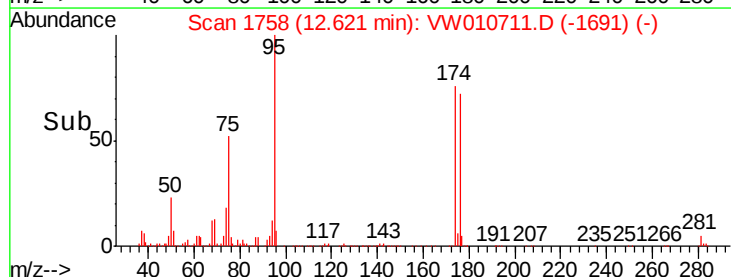
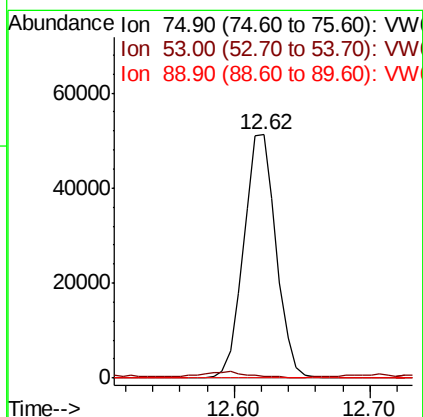
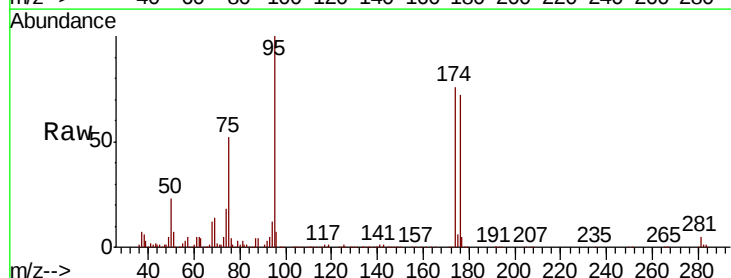
Tgt Ion: 75 Resp: 85352

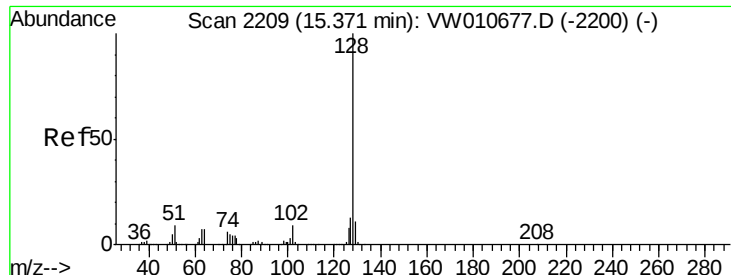
Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#





#95
Naphthalene
Concen: 1.401 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010711.D
Acq: 06 Jun 2019 15:49

Instrument :
MSVOA_W
ClientSampleId :
0435-HR-15(HACKENSACK)

Tot Ion:128 Resp: 6832
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 14.7 8.6 13.0#

