

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055989.D
 Acq On : 4 Jun 2019 14:25
 Operator : JC/SP
 Sample : K3097-10
 Misc : 5.09µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0430-HR-10(HACKENSACK)

Quant Time: Jun 05 01:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	316966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	473430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	153523	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	7.59	113	131775	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.09	98	560543	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	189648	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

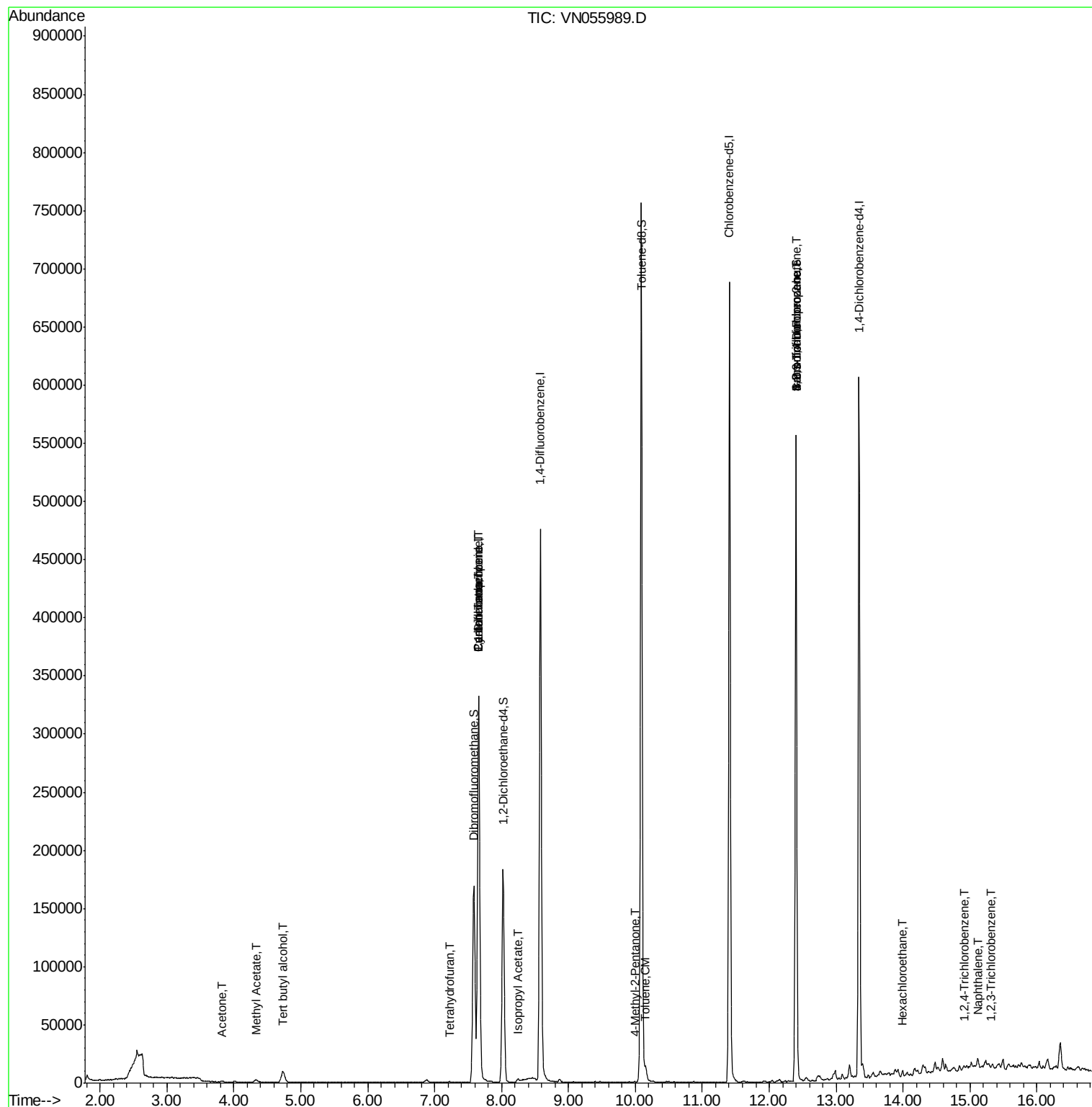
						Qvalue
11) Tert butyl alcohol	4.73	59	9483	17.315	ug/l #	74
16) Acetone	3.82	43	626	0.416	ug/l #	41
18) Methyl Acetate	4.33	43	4689	1.020	ug/l	91
29) Tetrahydrofuran	7.23	42	786	0.669	ug/l #	38
31) Cyclohexane	7.66	56	4420	0.885	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18351	4.508	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25207	6.716	ug/l #	15
43) Isopropyl Acetate	8.24	43	2229	0.380	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	1175	0.320	ug/l #	35
52) Toluene	10.15	92	2449	0.318	ug/l	93
71) Bromoform	12.40	173	1031	3.129	ug/l #	1
73) Isopropylbenzene	12.25	105	632	Below Cal	#	57
76) 1,2,3-Trichloropropane	12.40	75	86209	25.836	ug/l #	100
79) 2-Chlorotoluene	12.68	91	428	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	86209	86.038	ug/l #	15
90) Hexachloroethane	13.99	117	2816	1.536	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	521	4.412	ug/l #	56
95) Naphthalene	15.13	128	3742	4.249	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.31	180	347	3.127	ug/l #	86

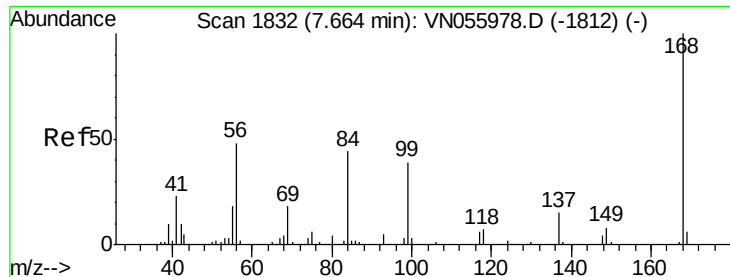
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060419\
Data File : VN055989.D
Acq On : 4 Jun 2019 14:25
Operator : JC/SP
Sample : K3097-10
Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
0430-HR-10(HACKENSACK)

Quant Time: Jun 05 01:14:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.01 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

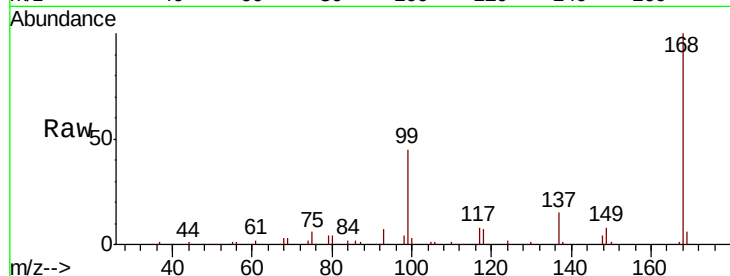
0430-HR-10(HACKENSACK)

Tot Ion:168 Resp: 316966

Ion Ratio Lower Upper

168 100

99 45.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

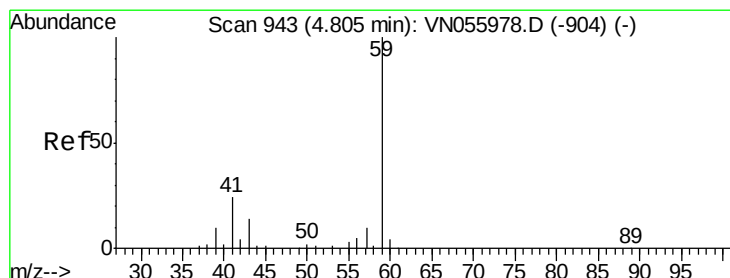
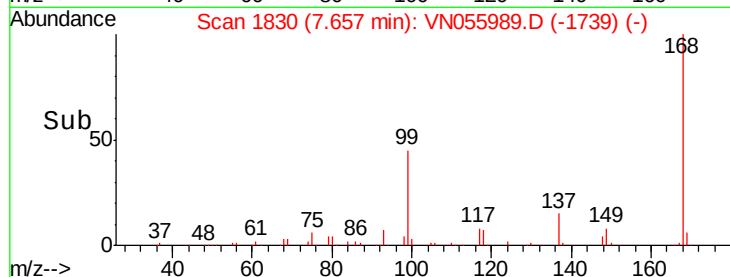
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 17.315 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.08 min

Lab File: VN055989.D

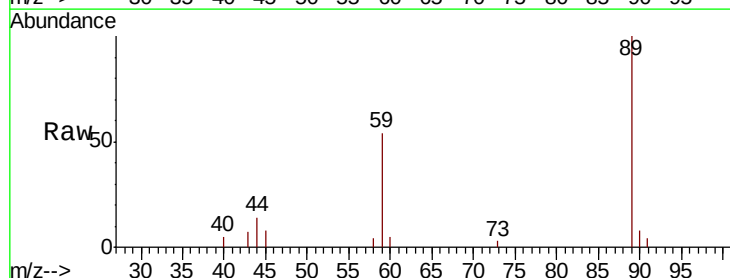
Acq: 4 Jun 2019 14:25

Tgt Ion: 59 Resp: 9483

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

3000

2500

2000

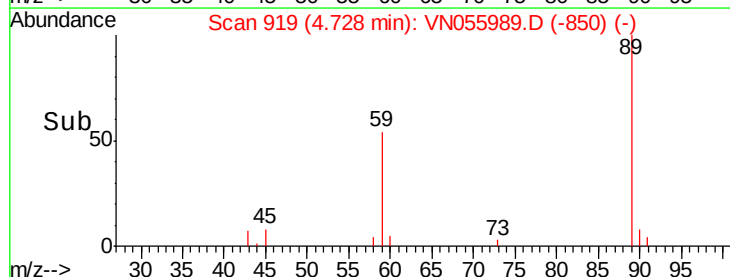
1500

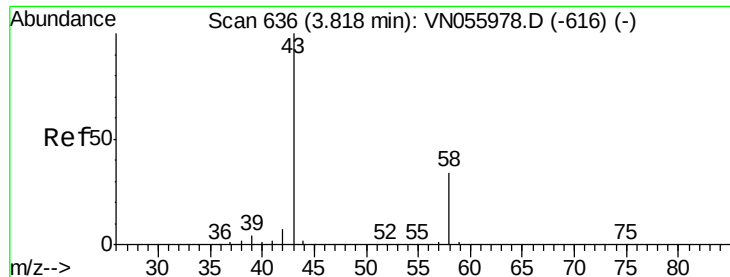
1000

500

0

Time--> 4.65 4.70 4.75 4.80 4.85





#16

Acetone

Concen: 0.416 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

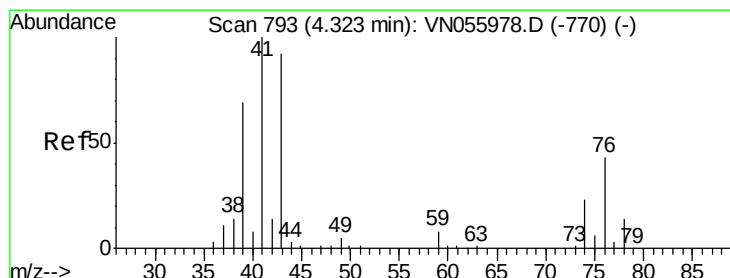
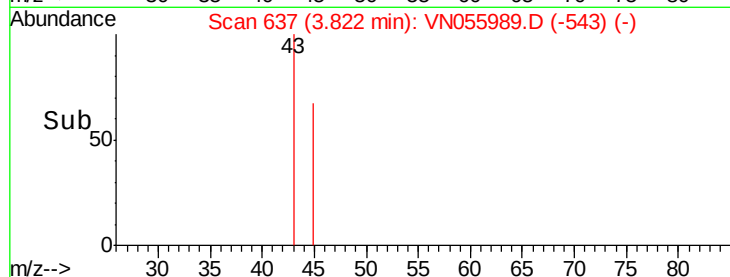
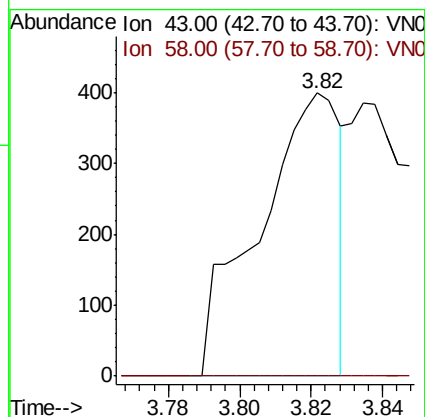
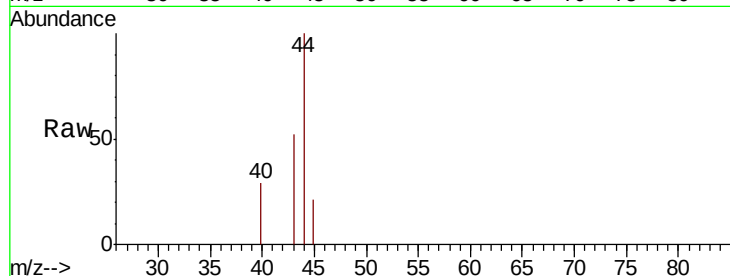
0430-HR-10(HACKENSACK)

Tot Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#18

Methyl Acetate

Concen: 1.020 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN055989.D

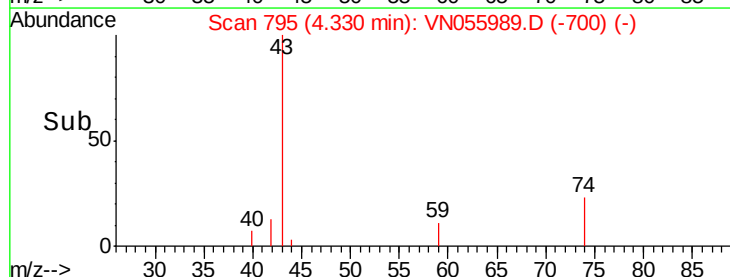
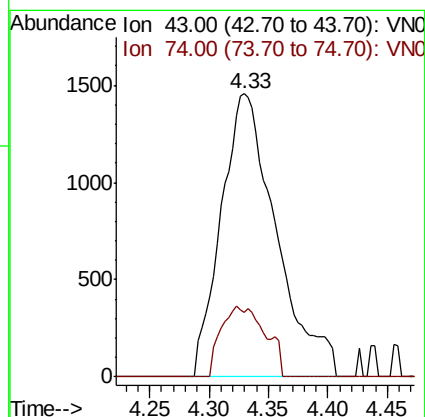
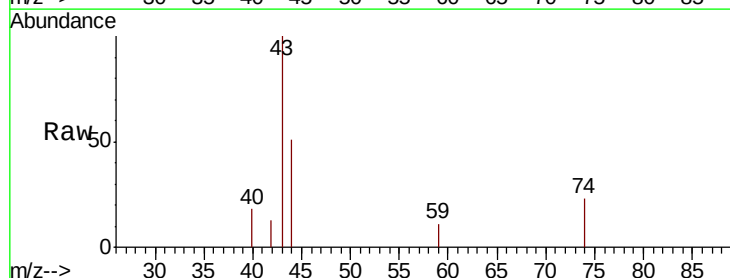
Acq: 4 Jun 2019 14:25

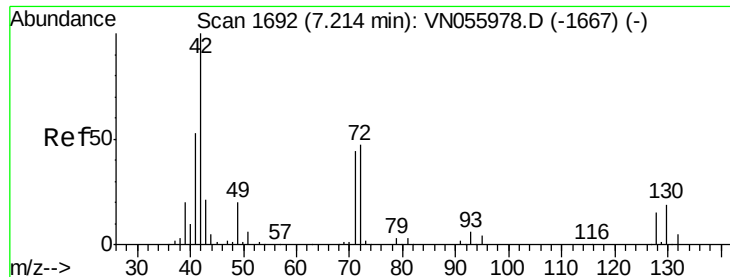
Tgt Ion: 43 Resp: 4689

Ion Ratio Lower Upper

43 100

74 19.9 19.3 28.9





#29

Tetrahydrofuran

Concen: 0.669 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

0430-HR-10(HACKENSACK)

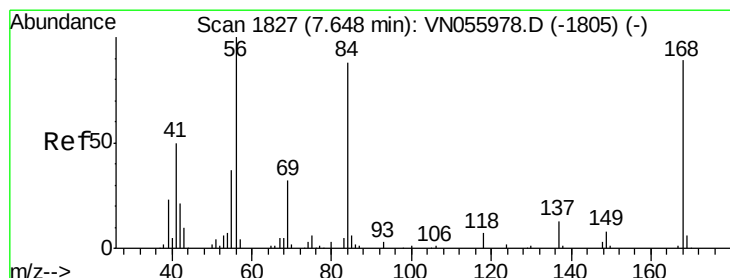
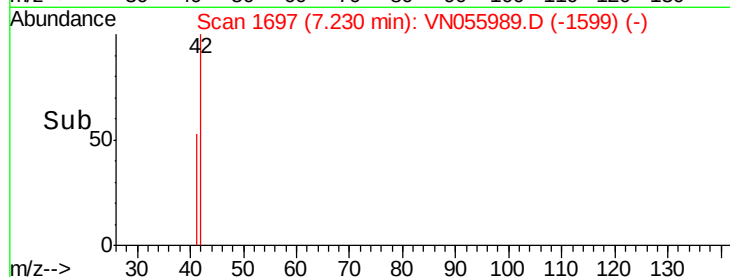
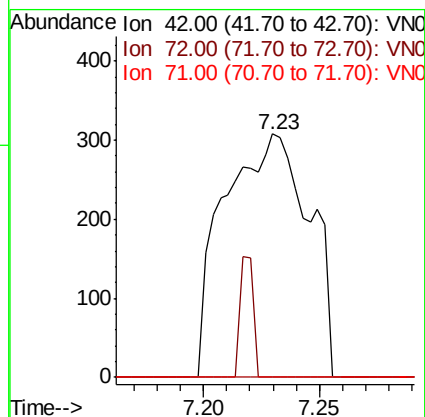
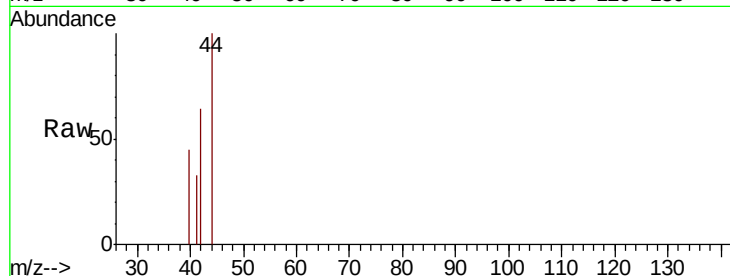
Tot Ion: 42 Resp: 786

Ion Ratio Lower Upper

42 100

72 7.5 35.9 53.9#

71 0.0 34.0 51.0#



#31

Cyclohexane

Concen: 0.885 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

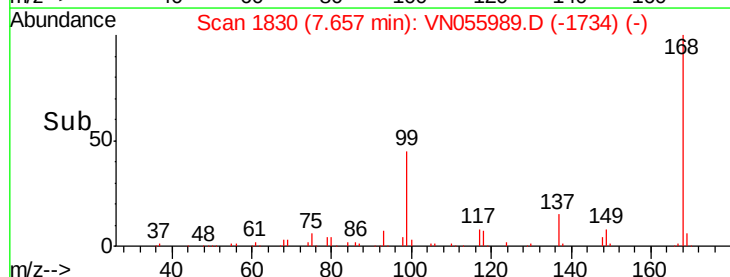
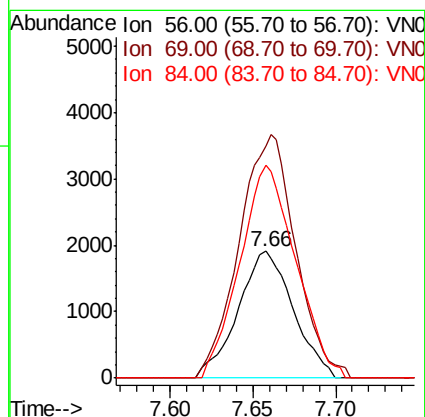
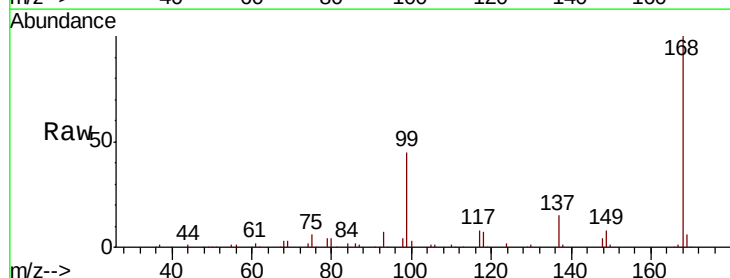
Tgt Ion: 56 Resp: 4420

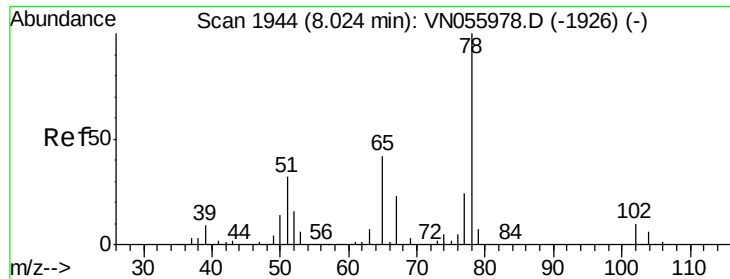
Ion Ratio Lower Upper

56 100

69 183.8 25.6 38.4#

84 167.8 67.4 101.0#

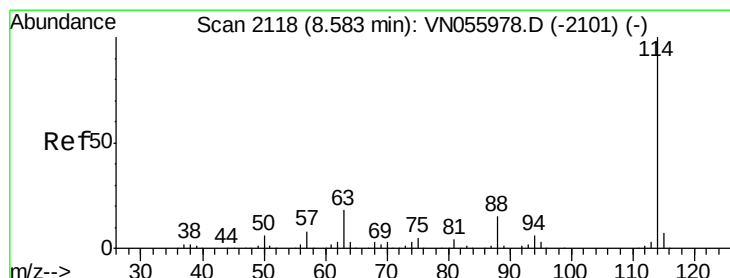
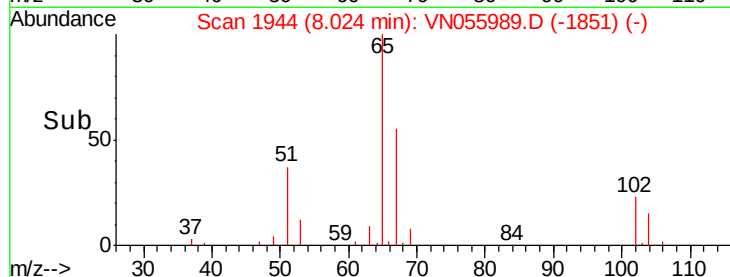
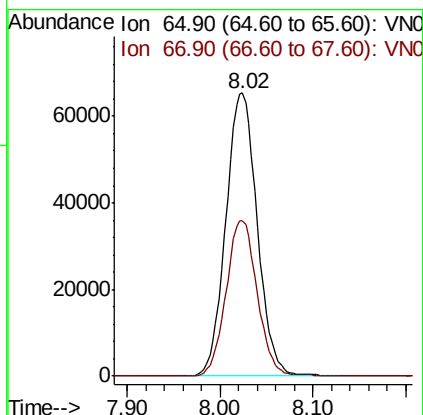
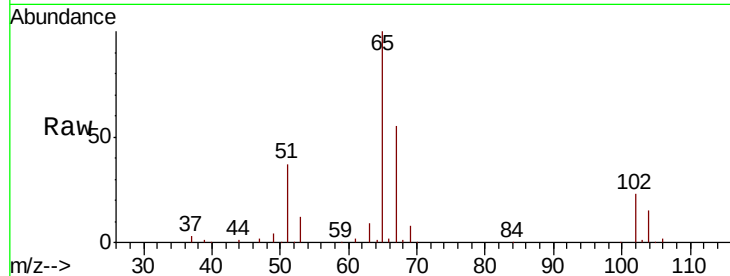




#33
 1,2-Dichloroethane-d4
 Concen: 48.781 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

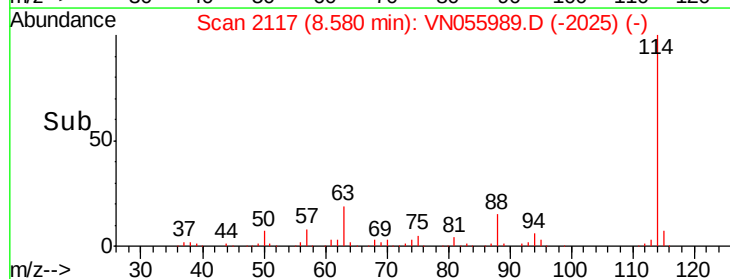
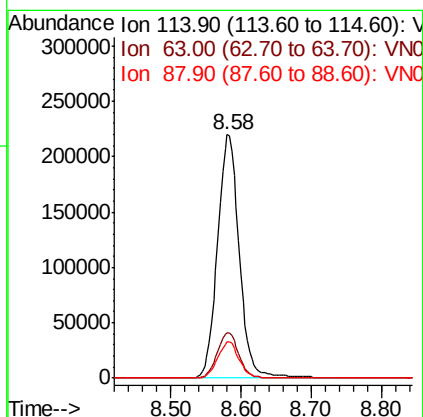
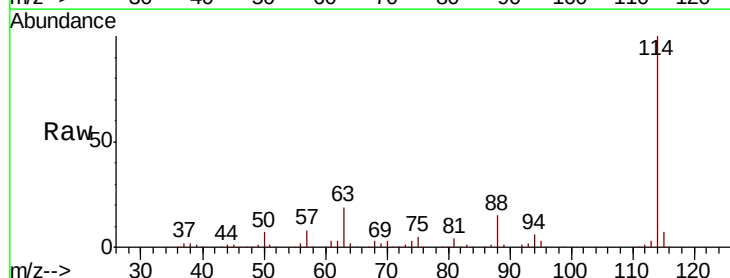
Instrument :
 MSVOA_N
 ClientSampleId :
 0430-HR-10(HACKENSACK)

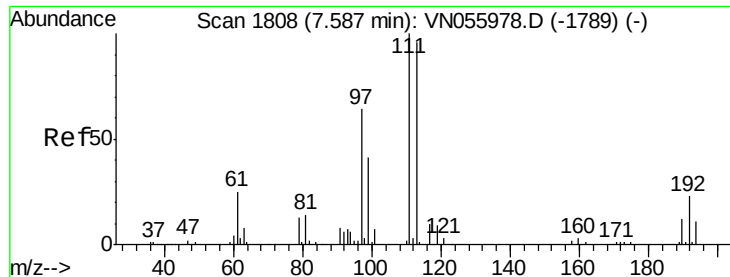
Tot Ion: 65 Resp: 153523
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

Tgt Ion: 114 Resp: 473430
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.0 0.0 31.0

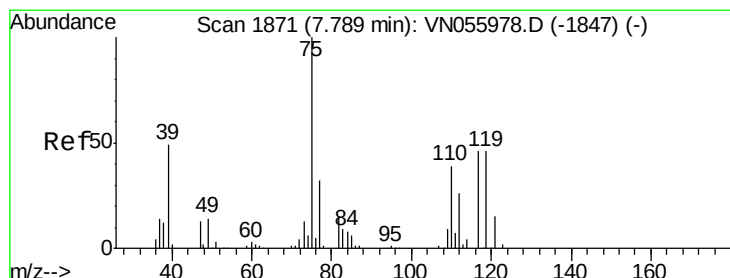
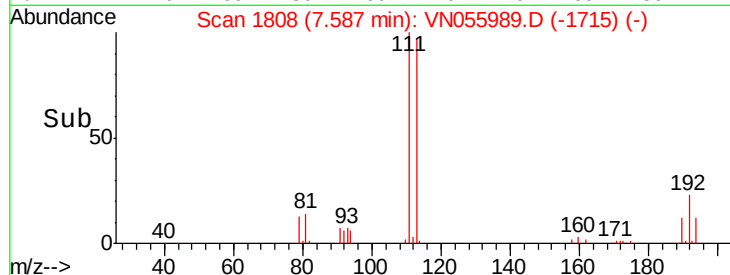
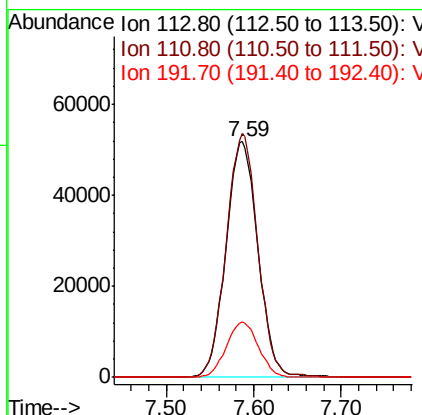
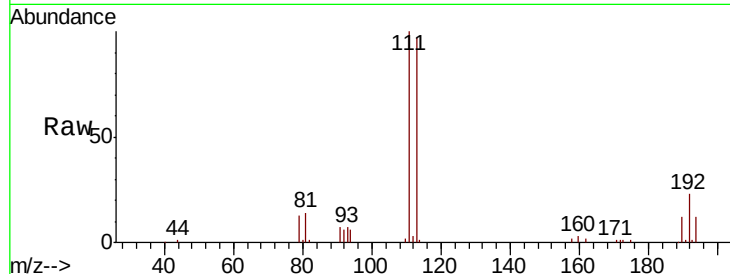




#35
 Dibromofluoromethane
 Concen: 45.367 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

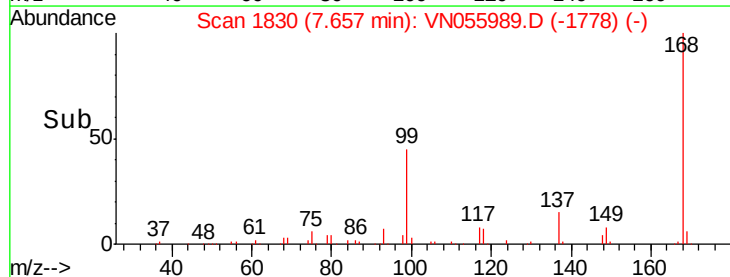
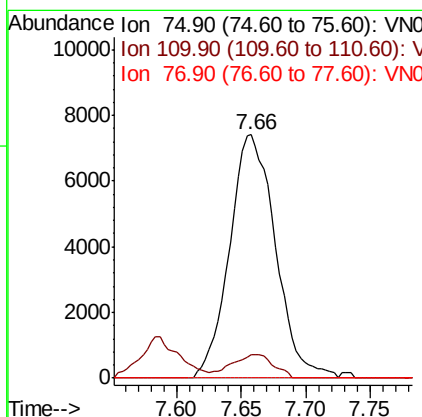
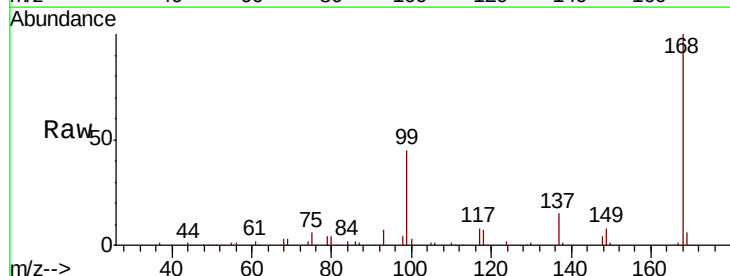
Instrument :
 MSVOA_N
 ClientSampleId :
 0430-HR-10(HACKENSACK)

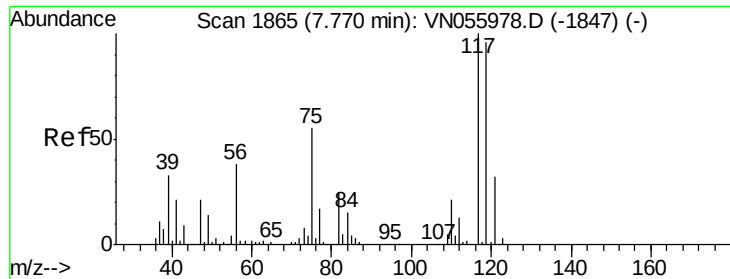
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	23.6	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.0	57.0#
77	0.0	25.1	37.7#

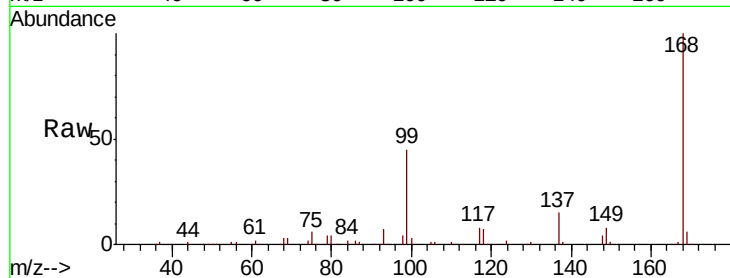




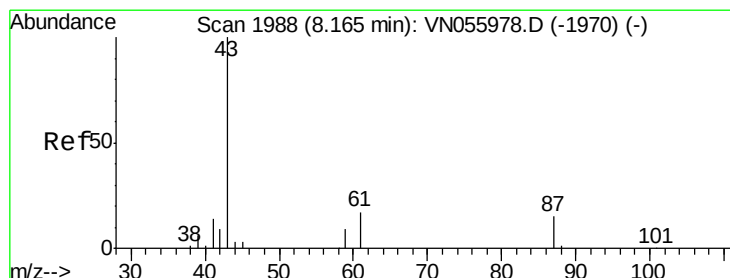
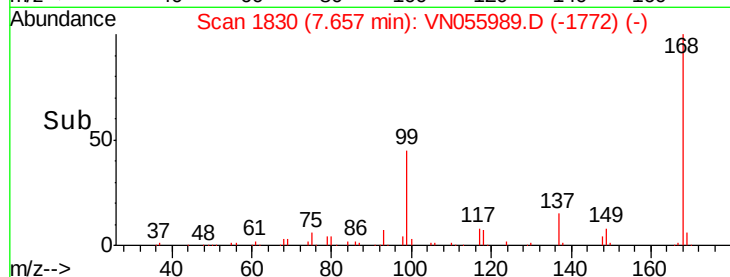
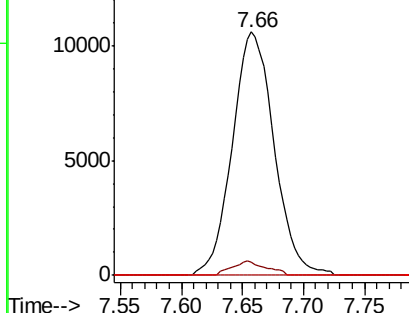
#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion:117 Resp: 25207
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 24.7 37.1#

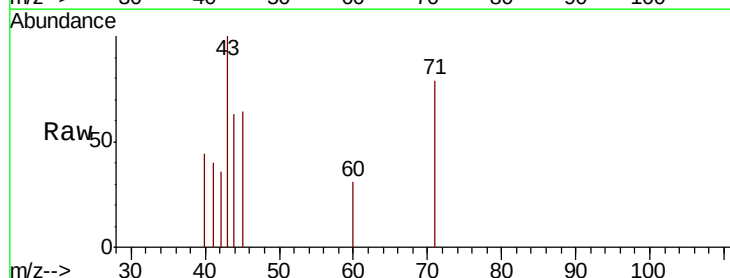


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

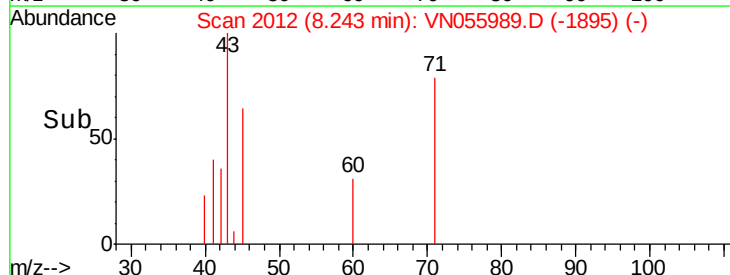
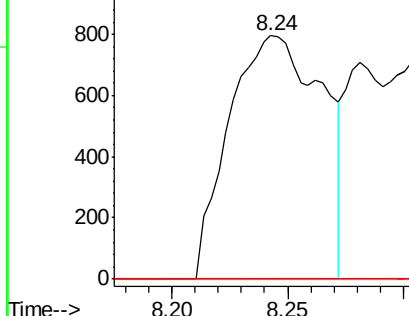


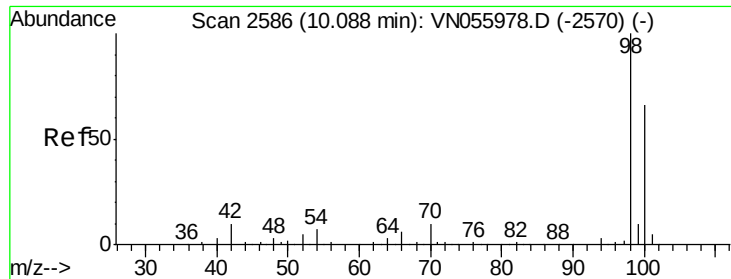
#43
Isopropyl Acetate
Concen: 0.380 ug/l
RT: 8.24 min Scan# 2012
Delta R.T. 0.08 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

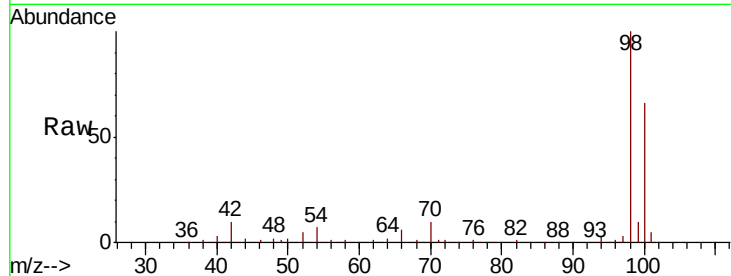




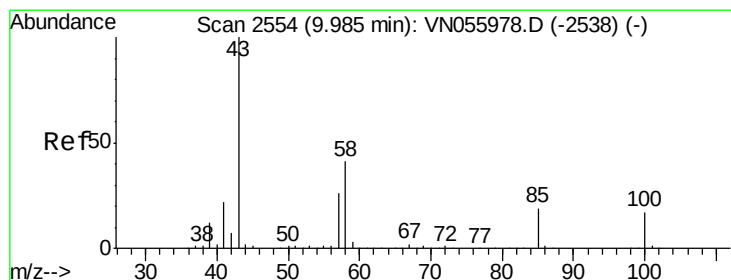
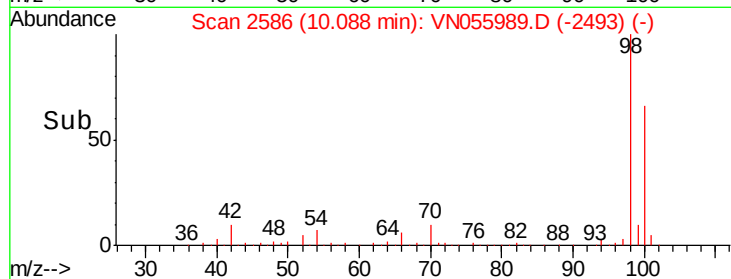
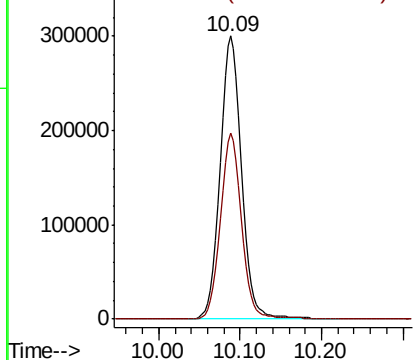
#50
Toluene-d8
Concen: 50.151 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :
0430-HR-10(HACKENSACK)

Tot Ion: 98 Resp: 560543
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

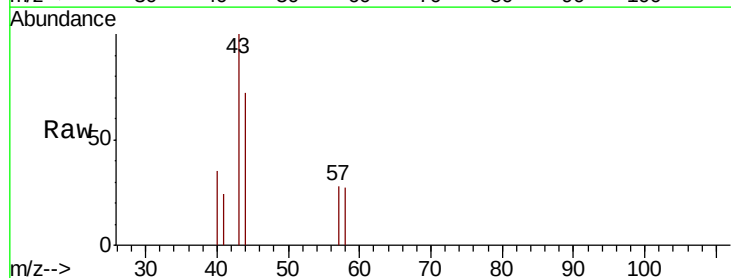


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN

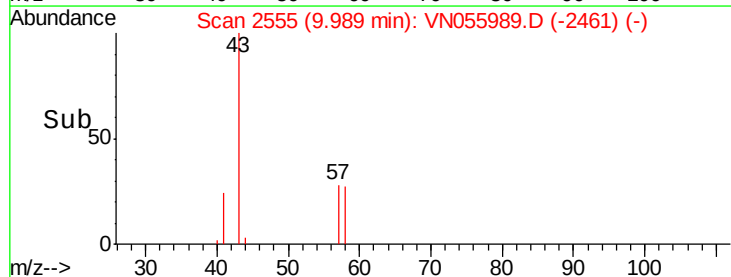
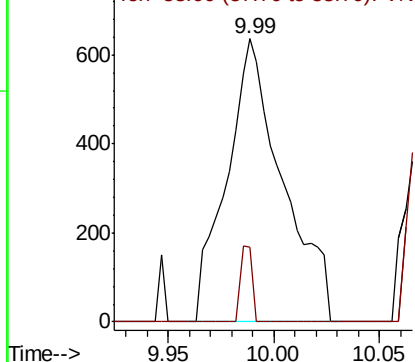


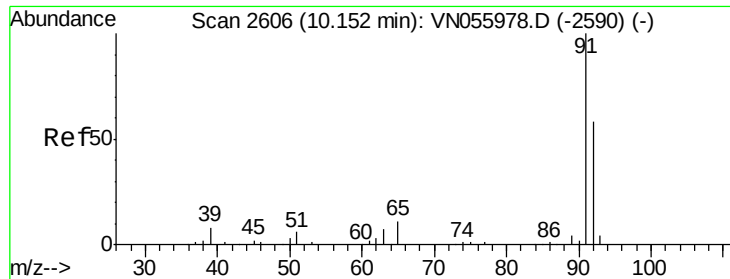
#51
4-Methyl-2-Pentanone
Concen: 0.320 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 0.318 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

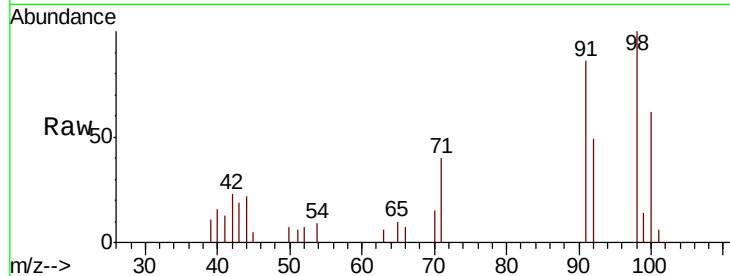
0430-HR-10(HACKENSACK)

Tot Ion: 92 Resp: 2449

Ion Ratio Lower Upper

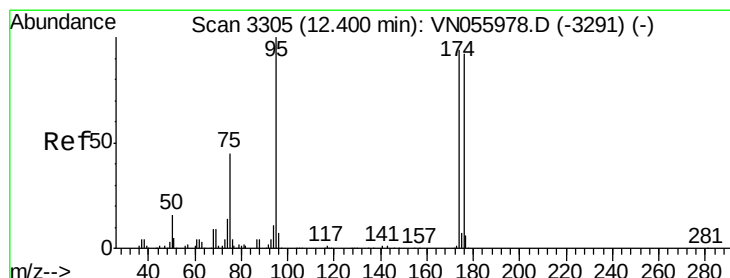
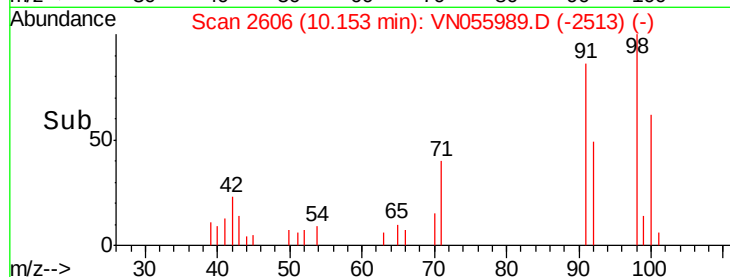
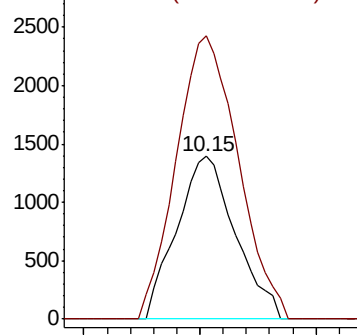
92 100

91 183.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 49.893 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

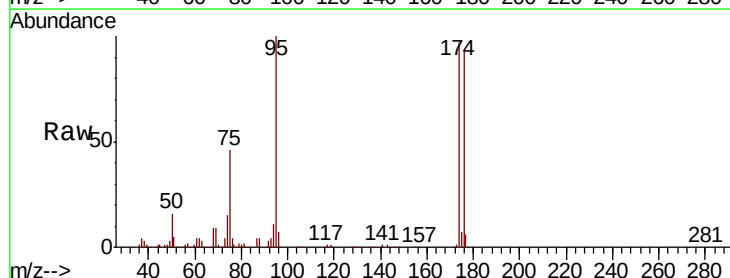
Tgt Ion: 95 Resp: 189648

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.0

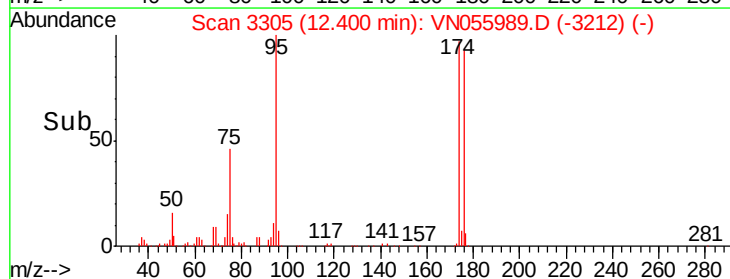
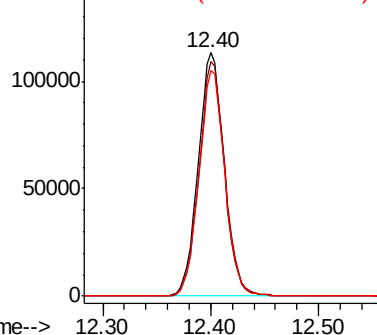
176 92.0 0.0 185.2

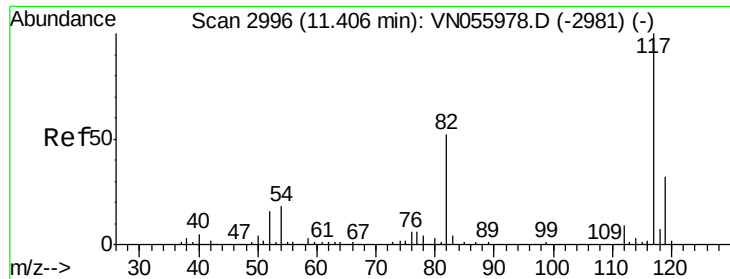


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

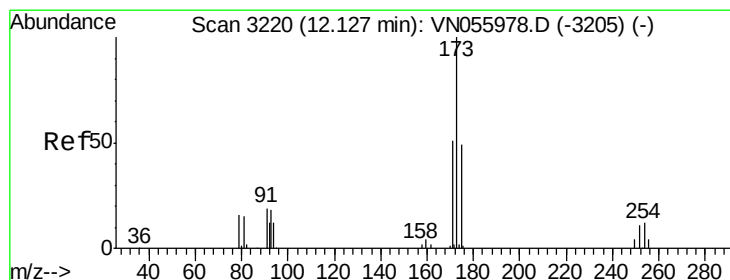
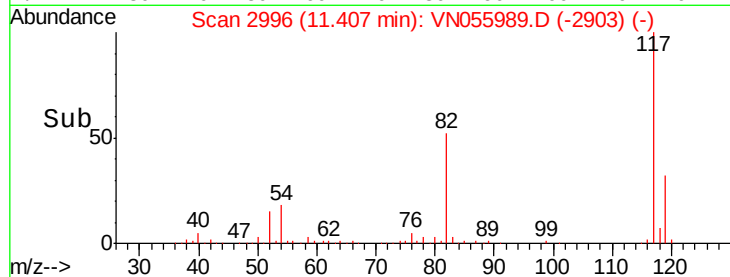
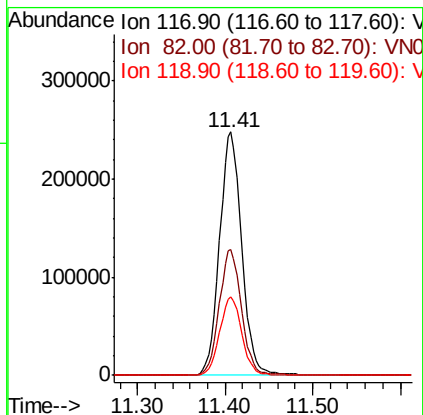
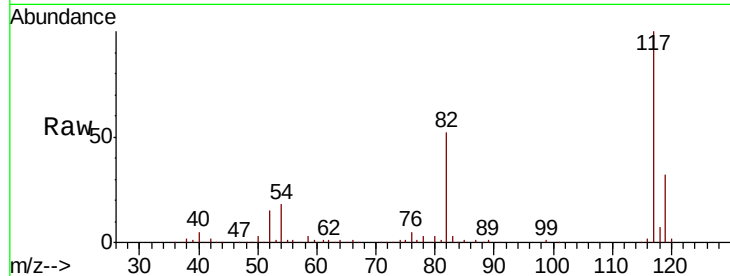




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

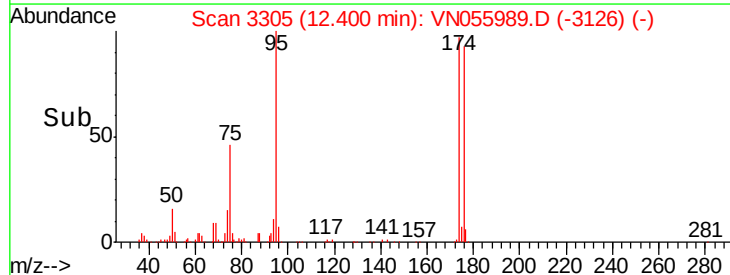
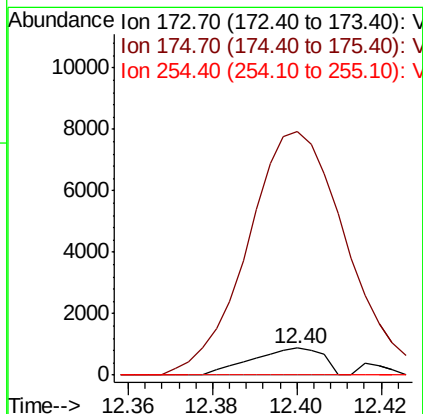
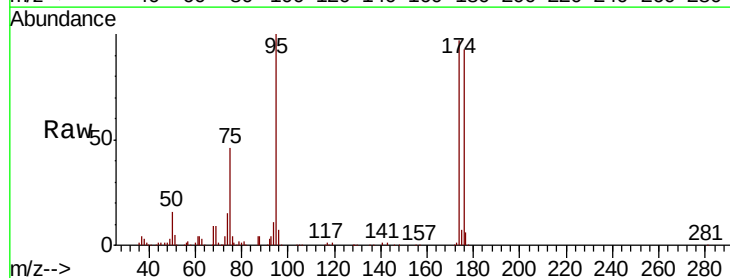
Instrument :
MSVOA_N
ClientSampleId :
0430-HR-10(HACKENSACK)

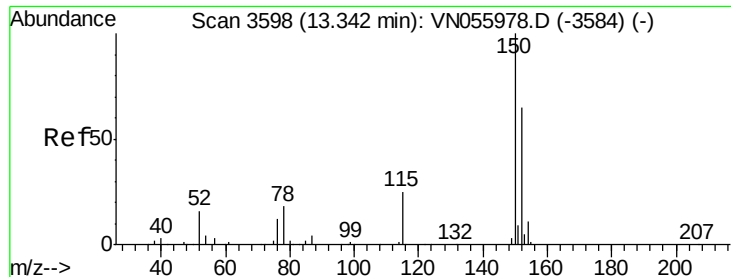
Tot Ion:117 Resp: 436777
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.2 25.4 38.0



#71
Bromoform
Concen: 3.129 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055989.D
Acq: 4 Jun 2019 14:25

Tgt Ion:173 Resp: 1031
Ion Ratio Lower Upper
173 100
175 1127.1 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

0430-HR-10(HACKENSACK)

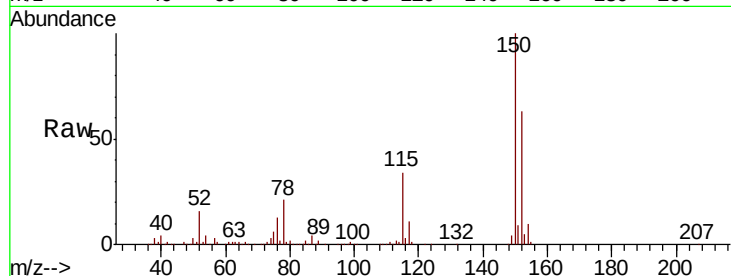
Tot Ion:152 Resp: 181344

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

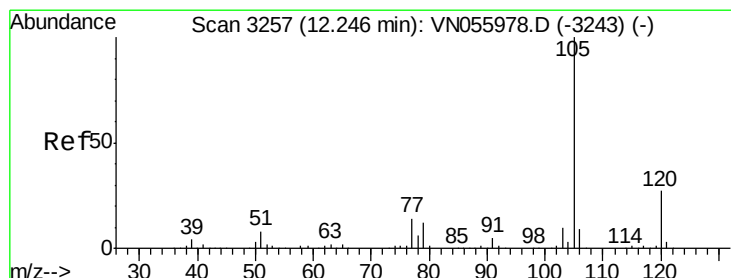
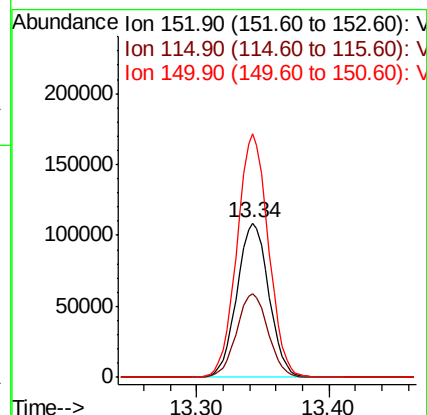
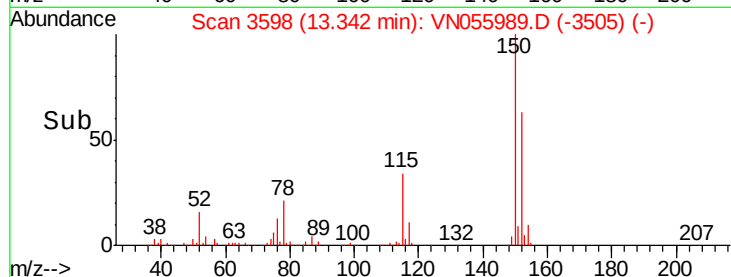
150 155.9 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055989.D

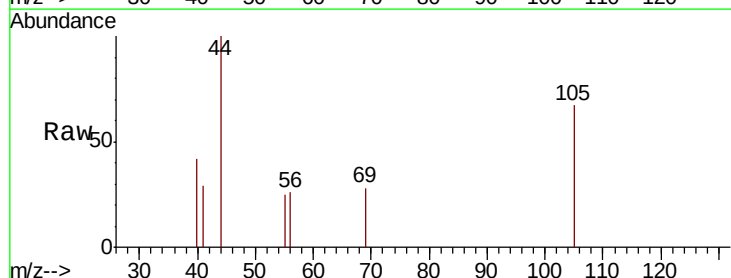
Acq: 4 Jun 2019 14:25

Tgt Ion:105 Resp: 632

Ion Ratio Lower Upper

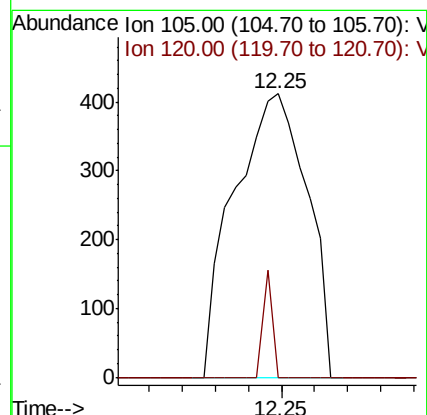
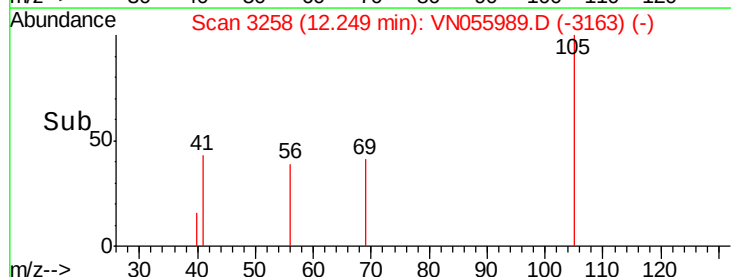
105 100

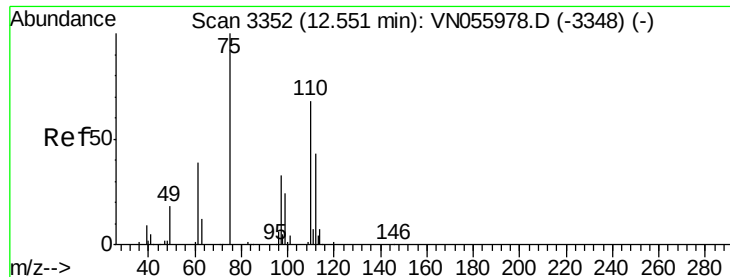
120 4.7 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 25.836 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

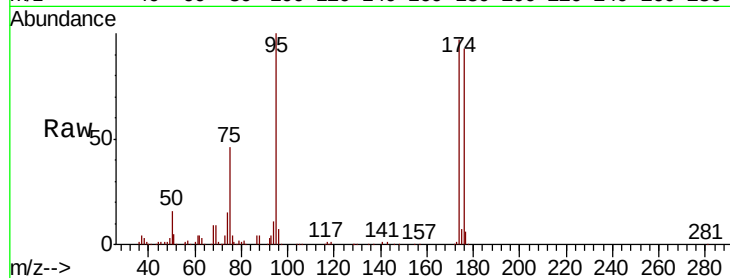
0430-HR-10(HACKENSACK)

Tot Ion: 75 Resp: 86209

Ion Ratio Lower Upper

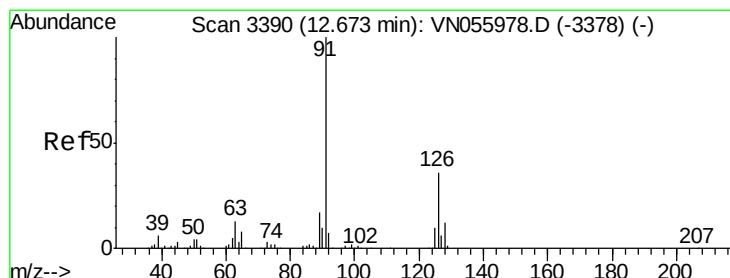
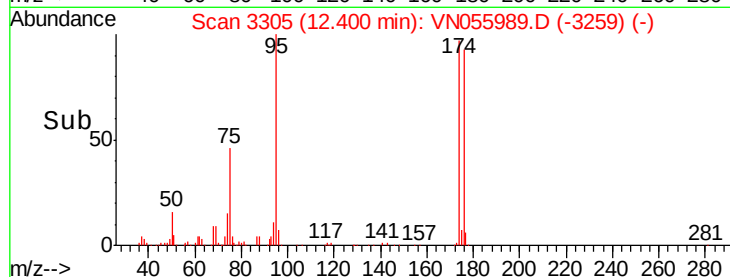
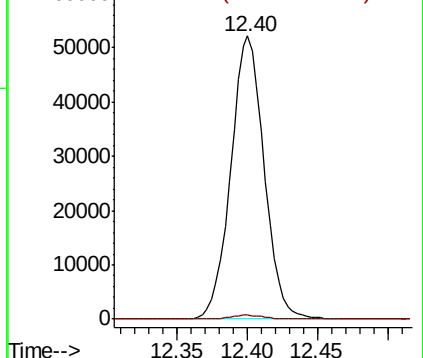
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055989.D

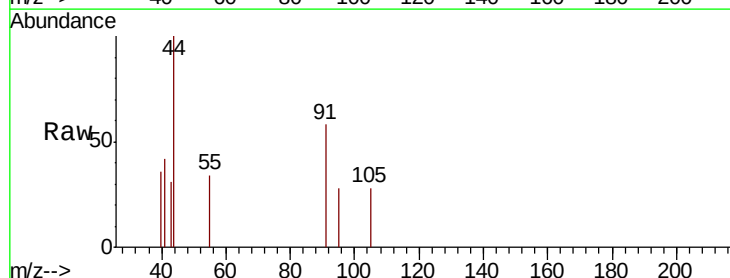
Acq: 4 Jun 2019 14:25

Tgt Ion: 91 Resp: 428

Ion Ratio Lower Upper

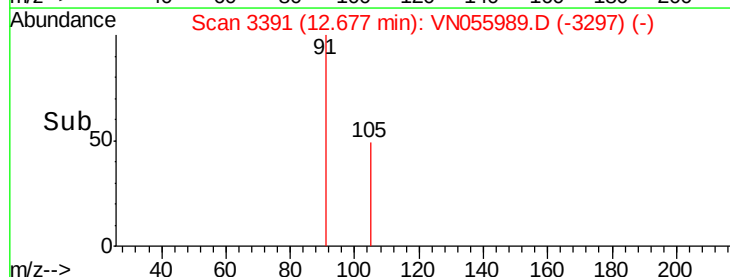
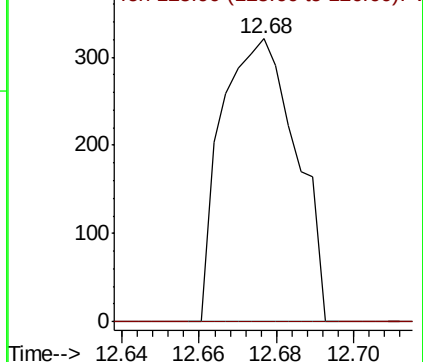
91 100

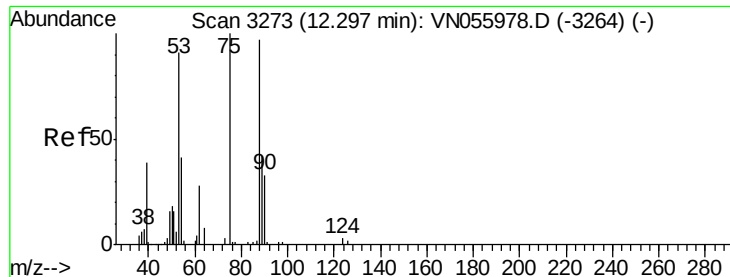
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 86.038 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055989.D

Acq: 4 Jun 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

0430-HR-10(HACKENSACK)

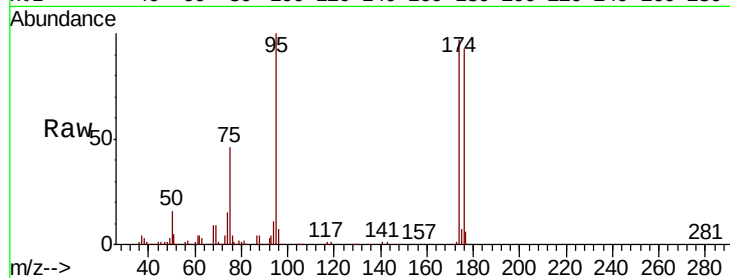
Tot Ion: 75 Resp: 86209

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

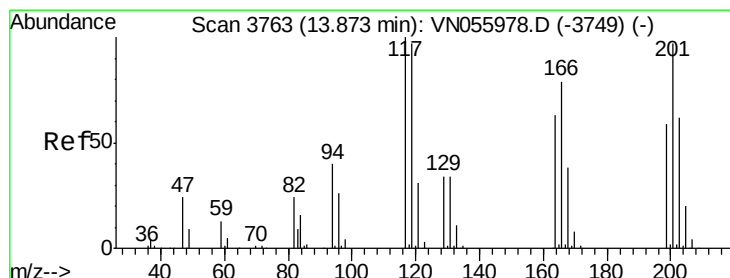
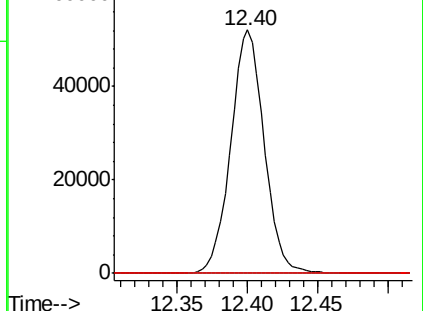
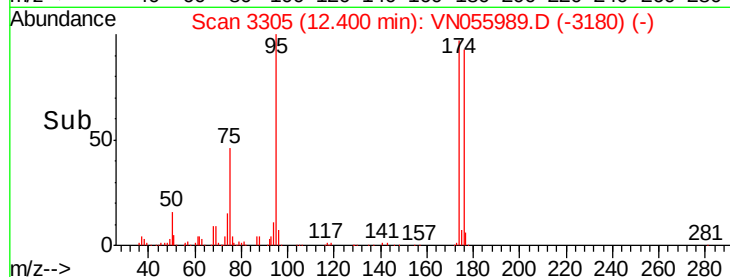
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055989.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN055989.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN055989.D (-3180) (-)



#90

Hexachloroethane

Concen: 1.536 ug/l

RT: 13.99 min Scan# 3801

Delta R.T. 0.12 min

Lab File: VN055989.D

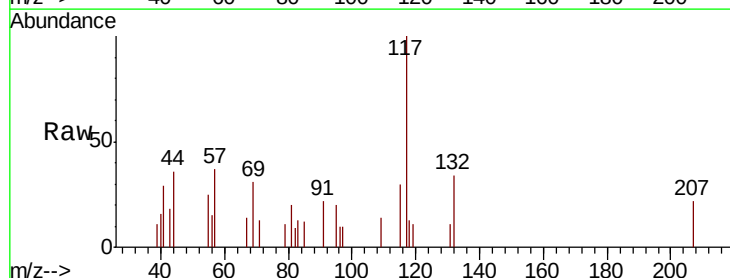
Acq: 4 Jun 2019 14:25

Tgt Ion: 117 Resp: 2816

Ion Ratio Lower Upper

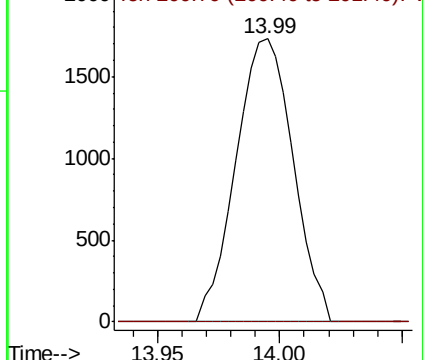
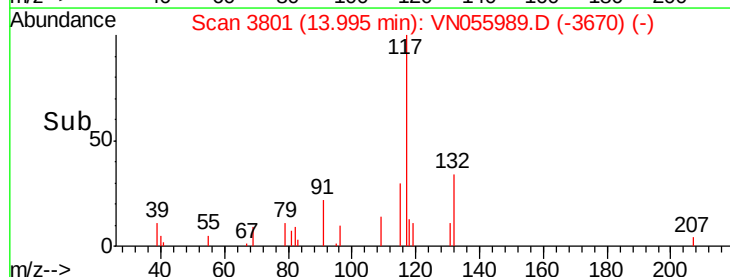
117 100

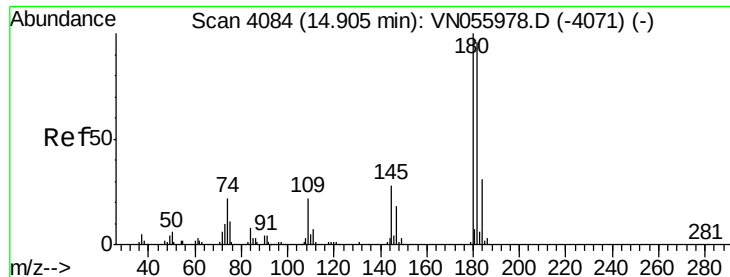
201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): VN055989.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055989.D (-3670) (-)

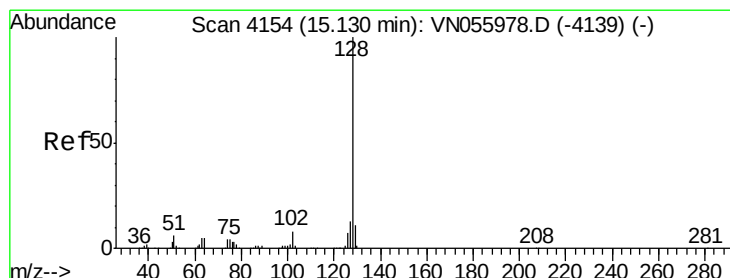
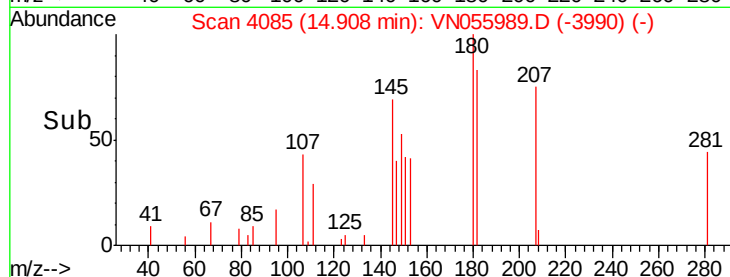
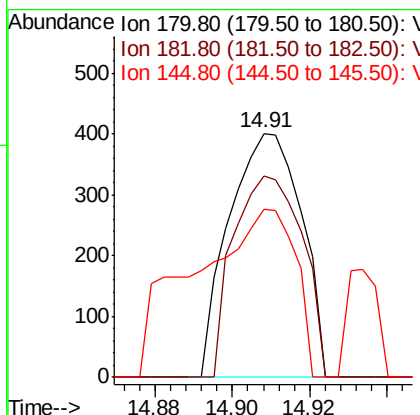
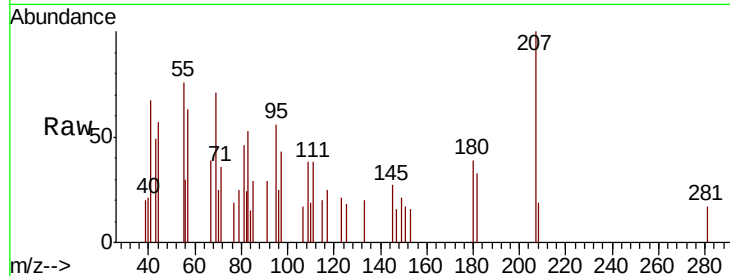




#93
 1,2,4-Trichlorobenzene
 Concen: 4.412 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

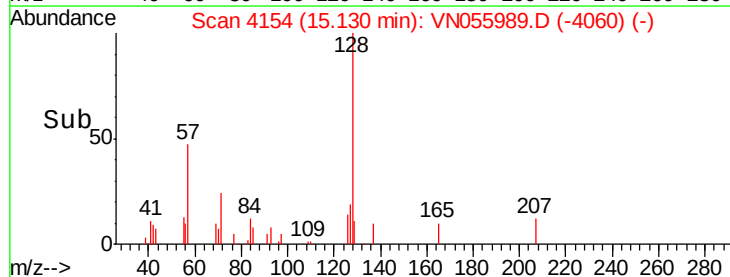
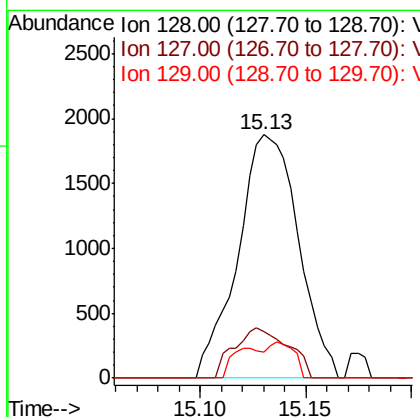
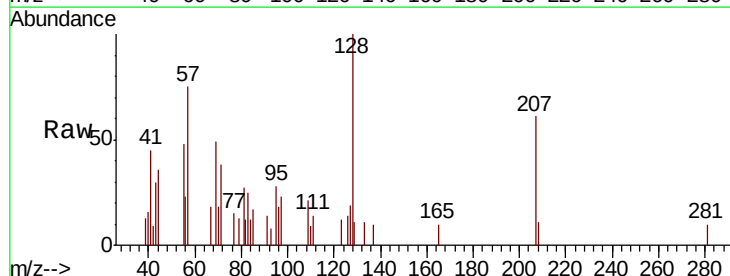
Instrument :
 MSVOA_N
 ClientSampleId :
 0430-HR-10(HACKENSACK)

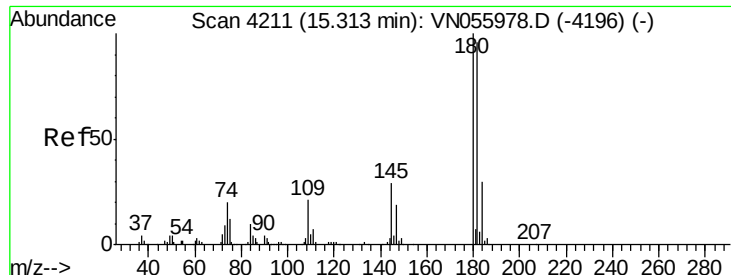
Tot Ion:180 Resp: 521
 Ion Ratio Lower Upper
 180 100
 182 78.5 48.3 144.9
 145 97.3 14.0 41.9#



#95
 Naphthalene
 Concen: 4.249 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

Tgt Ion:128 Resp: 3742
 Ion Ratio Lower Upper
 128 100
 127 18.4 10.3 15.5#
 129 6.4 8.7 13.1#

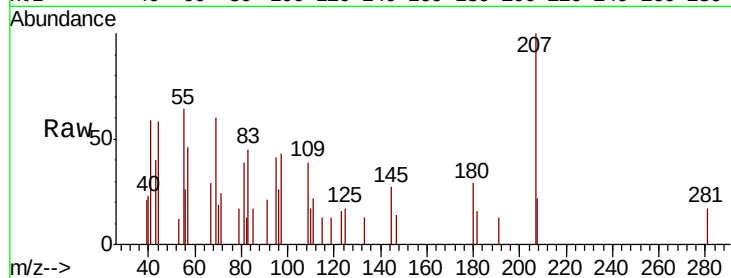




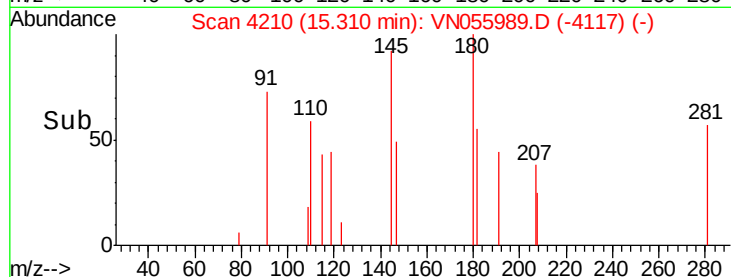
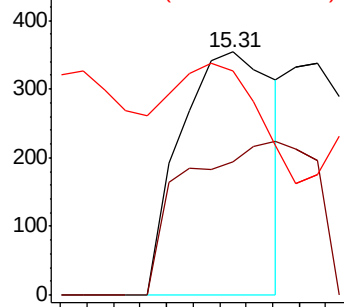
#96
 1,2,3-Trichlorobenzene
 Concen: 3.127 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055989.D
 Acq: 4 Jun 2019 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 0430-HR-10(HACKENSACK)

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.6	47.9	143.7
145	47.8	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



Time-->