

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055986.D
 Acq On : 4 Jun 2019 13:09
 Operator : JC/SP
 Sample : K3097-03
 Misc : 5.02µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0423-HR-3(HACKENSACK)

Quant Time: Jun 05 01:13:59 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	312534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	471883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	426443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	152644	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	7.59	113	131170	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
50) Toluene-d8	10.09	98	554562	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	184932	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

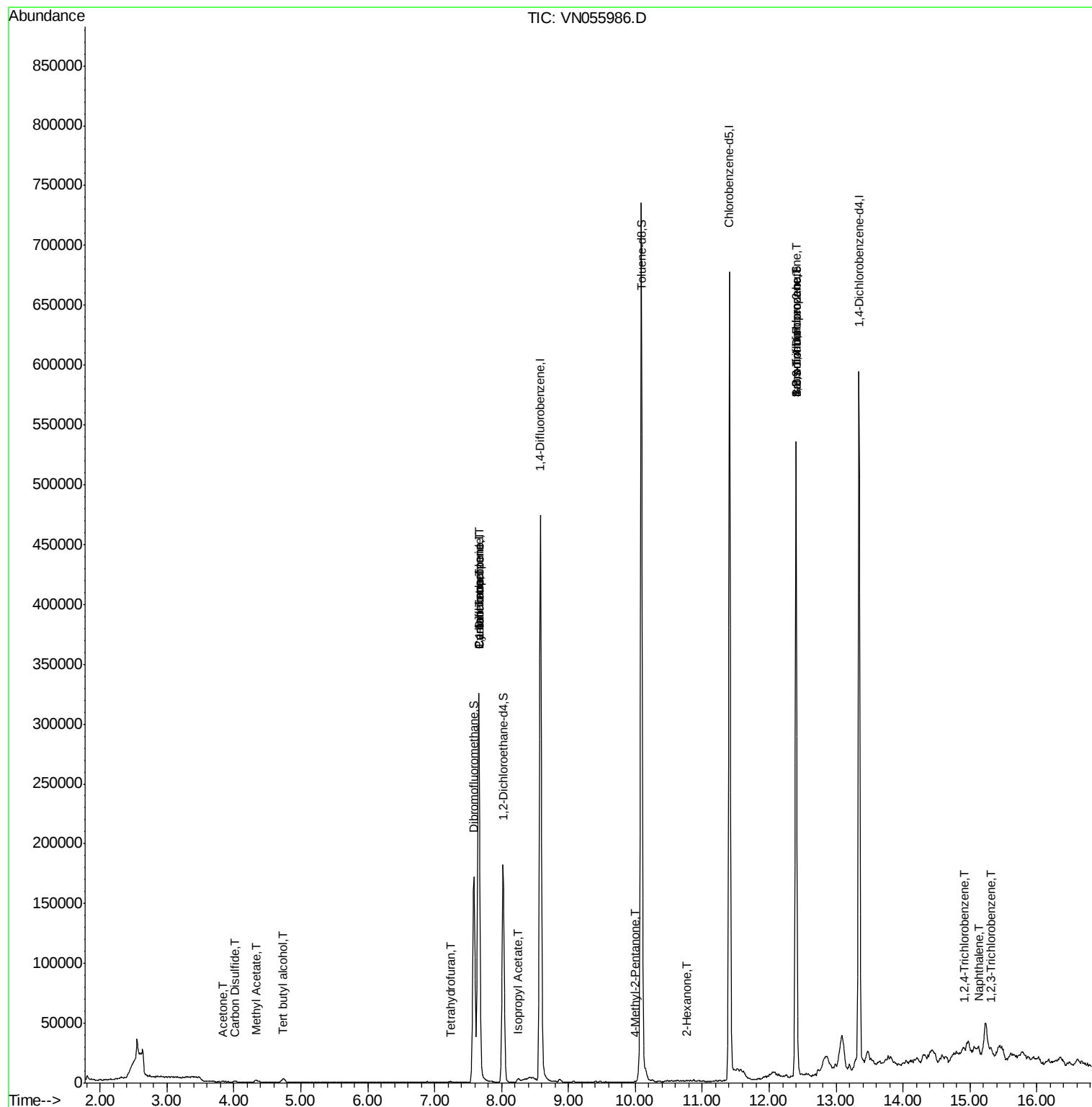
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	3140	5.815	ug/l #	74
16) Acetone	3.83	43	340	0.229	ug/l #	41
17) Carbon Disulfide	4.01	76	1363	0.217	ug/l #	74
18) Methyl Acetate	4.33	43	4020	0.810	ug/l #	77
29) Tetrahydrofuran	7.23	42	821	0.708	ug/l #	51
31) Cyclohexane	7.66	56	4485	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18050	4.449	ug/l #	47
38) Carbon Tetrachloride	7.66	117	25323	6.769	ug/l #	14
43) Isopropyl Acetate	8.25	43	2544	0.435	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	967	0.264	ug/l #	35
59) 2-Hexanone	10.76	43	899	0.339	ug/l #	23
71) Bromoform	12.40	173	1234	3.216	ug/l #	1
73) Isopropylbenzene	12.25	105	894	Below Cal	#	54
76) 1,2,3-Trichloropropane	12.40	75	83214	26.267	ug/l #	100
79) 2-Chlorotoluene	12.67	91	645	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	83214	87.473	ug/l #	15
83) tert-Butylbenzene	12.99	119	521	Below Cal	#	58
93) 1,2,4-Trichlorobenzene	14.91	180	1489	4.699	ug/l #	87
94) Hexachlorobutadiene	15.00	225	29	Below Cal	#	1
95) Naphthalene	15.13	128	4410	4.346	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	1550	3.481	ug/l #	87

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

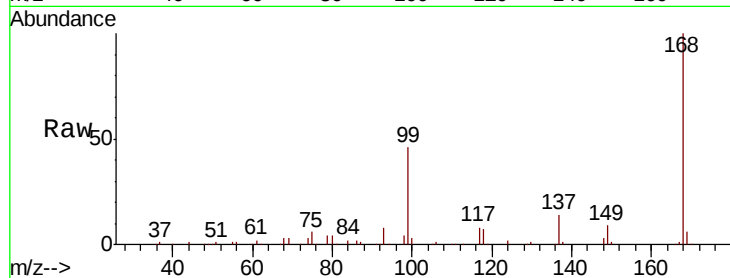
0423-HR-3(HACKENSACK)

Tot Ion:168 Resp: 312534

Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

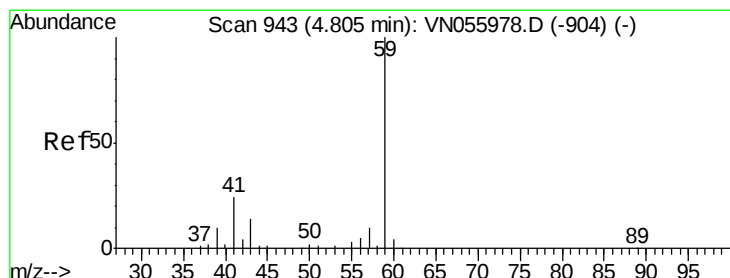
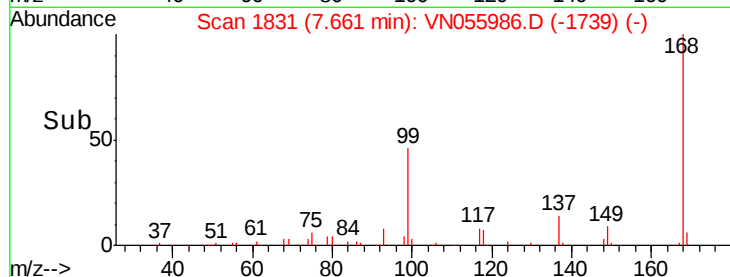
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 5.815 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.07 min

Lab File: VN055986.D

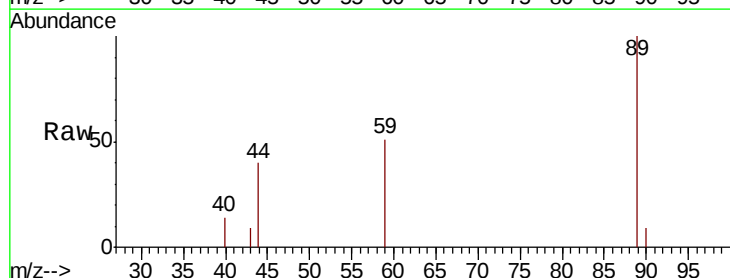
Acq: 4 Jun 2019 13:09

Tgt Ion: 59 Resp: 3140

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.73

1000

800

600

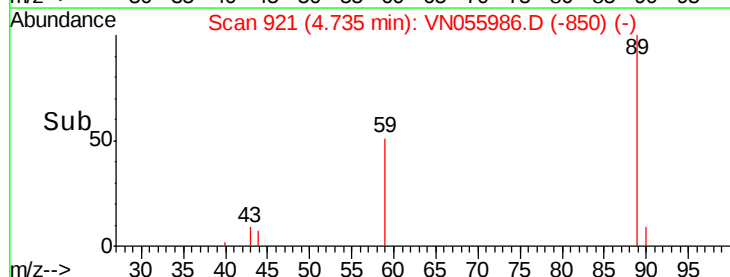
400

200

0

4.65 4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 0.229 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

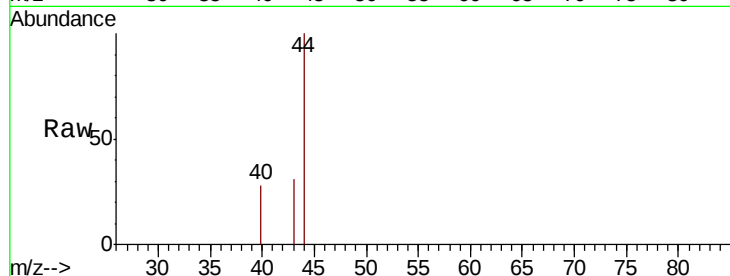
0423-HR-3(HACKENSACK)

Tot Ion: 43 Resp: 340

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

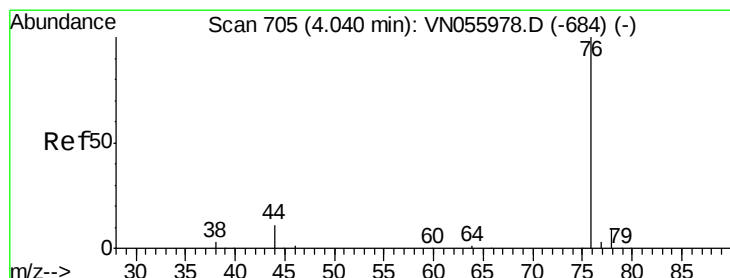
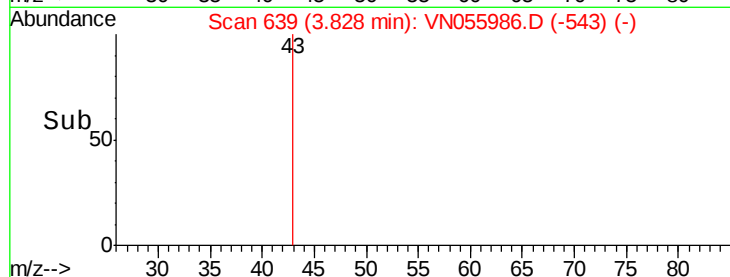
300

200

100

0

Time-->



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.03 min

Lab File: VN055986.D

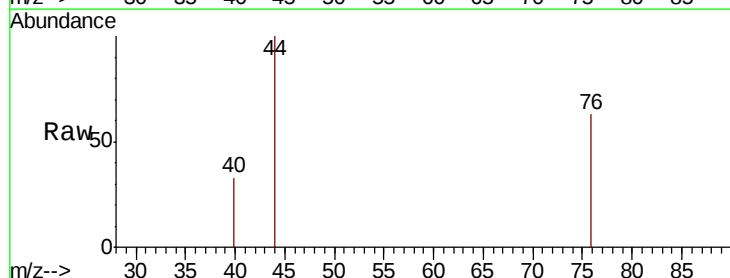
Acq: 4 Jun 2019 13:09

Tgt Ion: 76 Resp: 1363

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

600

500

400

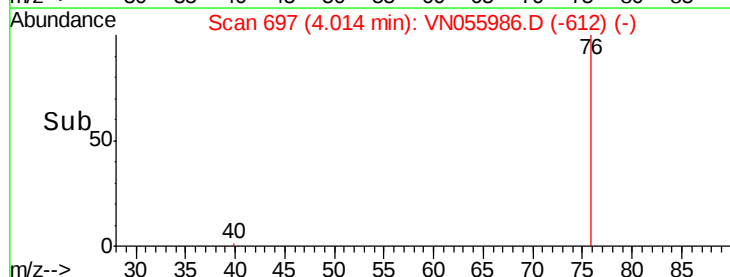
300

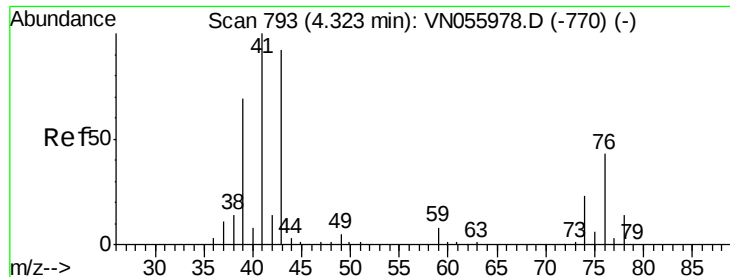
200

100

0

Time-->

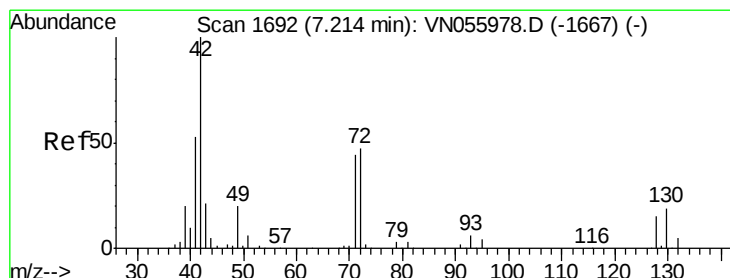
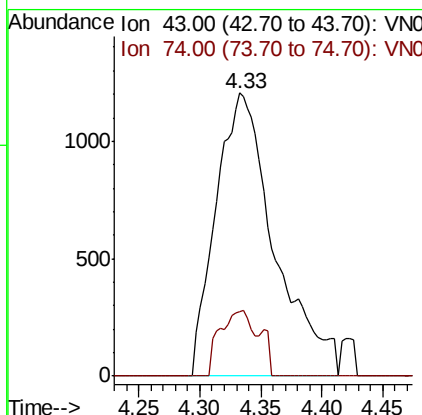
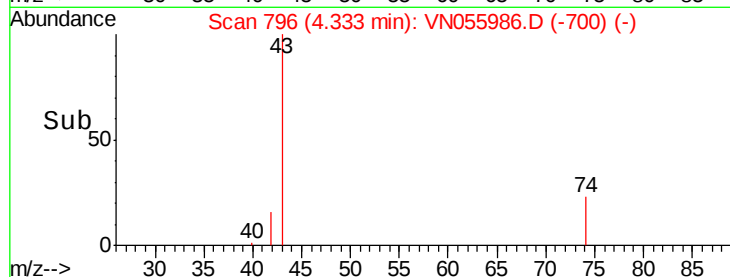
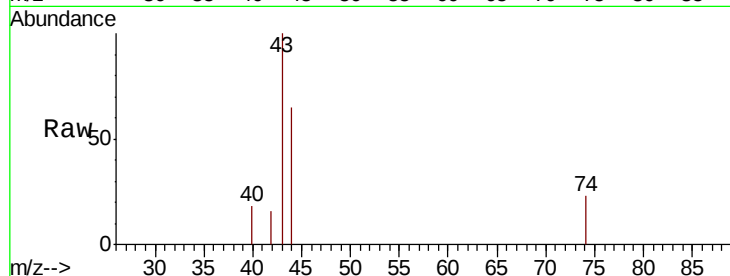




#18
Methvl Acetate
Concen: 0.810 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

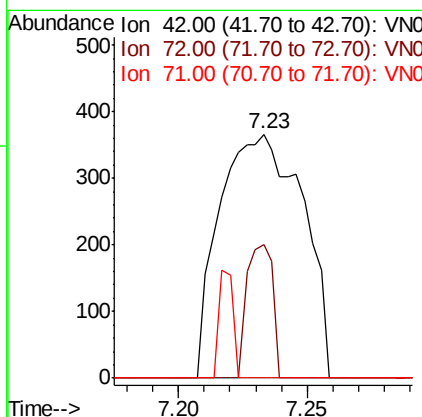
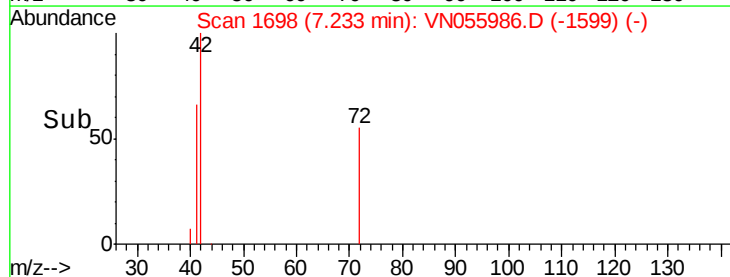
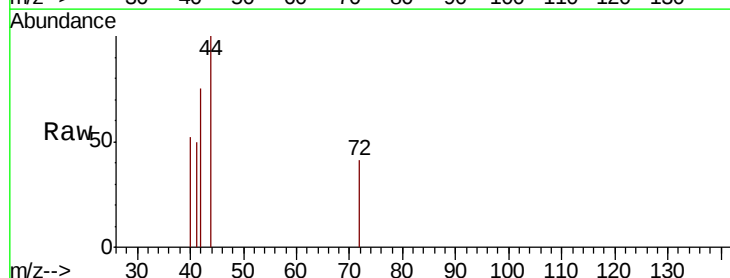
Instrument :
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0423-HR-3(HACKENSACK)

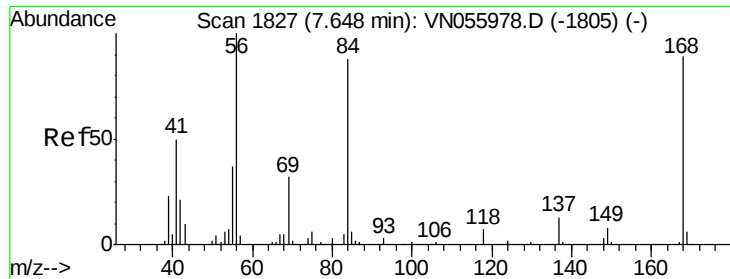
Tot Ion: 43 Resp: 4020
Ion Ratio Lower Upper
43 100
74 12.9 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.708 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Tgt Ion: 42 Resp: 821
Ion Ratio Lower Upper
42 100
72 17.1 35.9 53.9#
71 7.4 34.0 51.0#

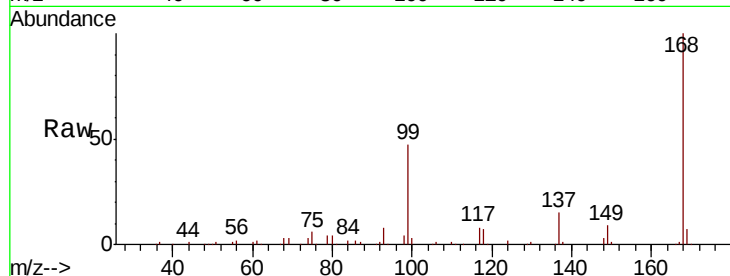




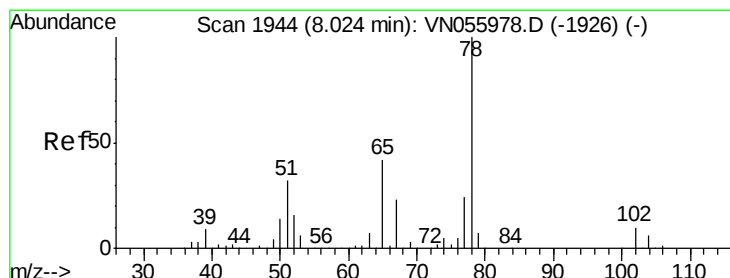
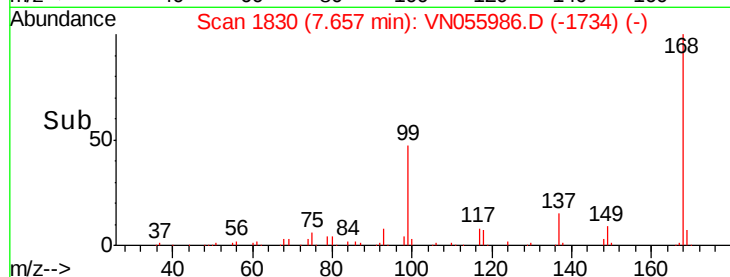
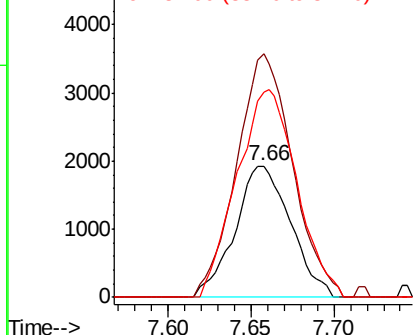
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
0423-HR-3(HACKENSACK)

Tot Ion: 56 Resp: 4485
Ion Ratio Lower Upper
56 100
69 185.7 25.6 38.4#
84 156.5 67.4 101.0#

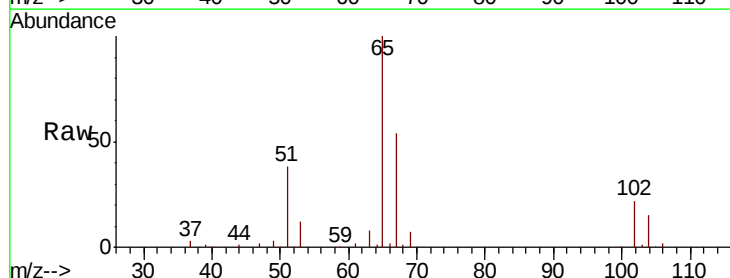


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

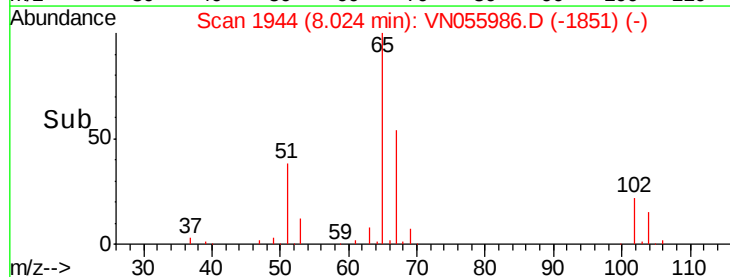
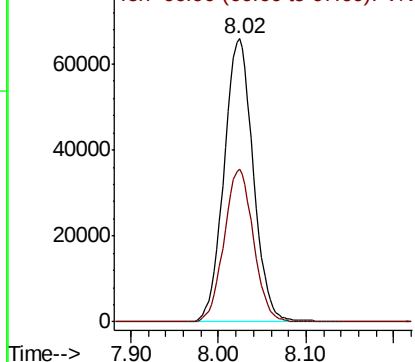


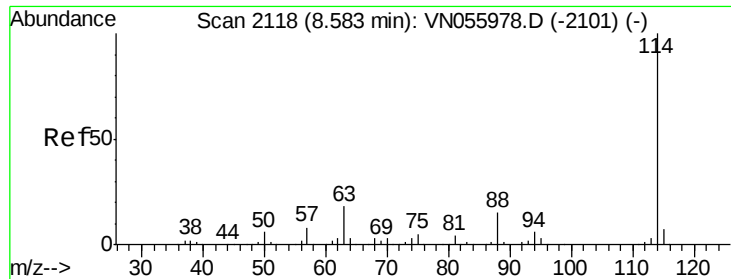
#33
1,2-Dichloroethane-d4
Concen: 49.189 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Tgt Ion: 65 Resp: 152644
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

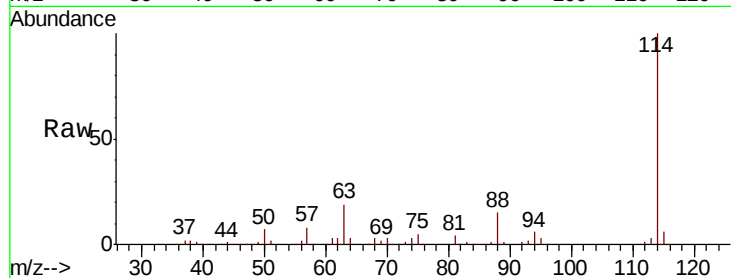




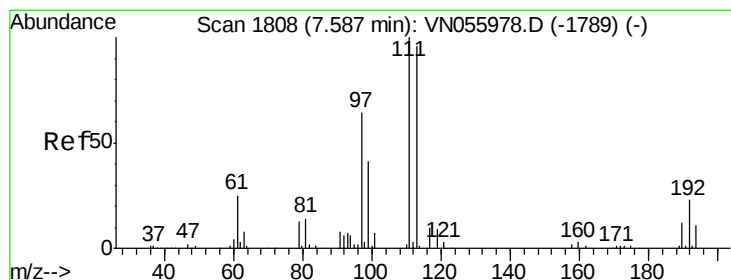
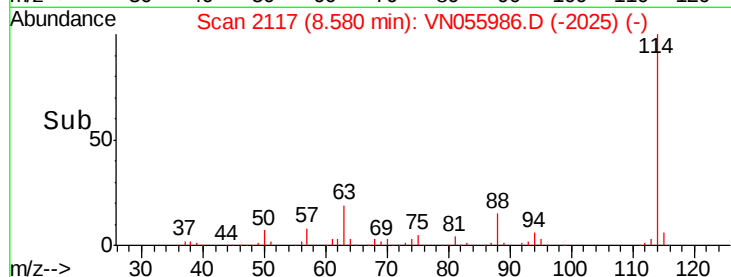
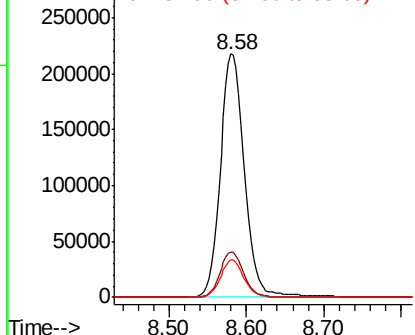
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN055986.D
 Acq: 4 Jun 2019 13:09

Instrument :
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Tot Ion:114 Resp: 471883
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.2 0.0 31.0

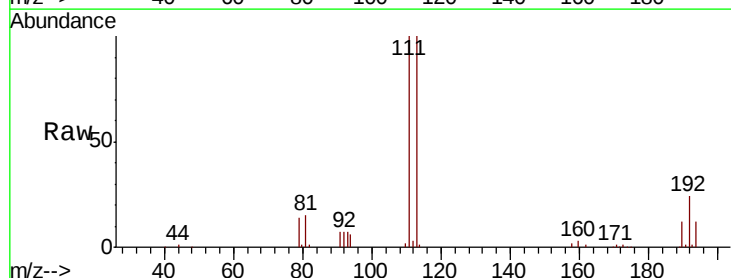


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

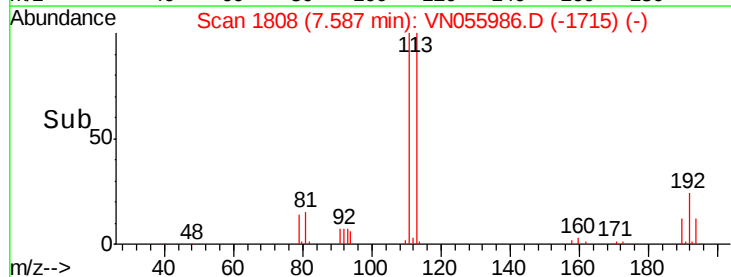
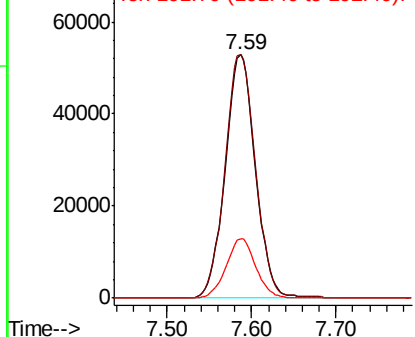


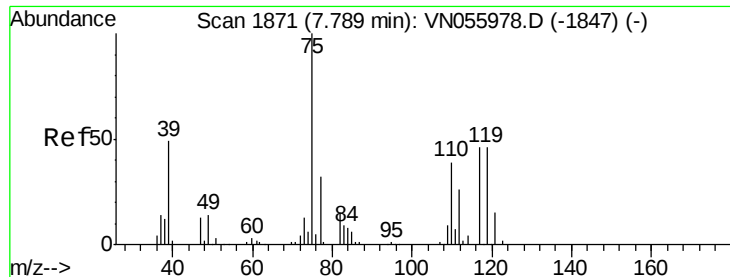
#35
 Dibromofluoromethane
 Concen: 45.307 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055986.D
 Acq: 4 Jun 2019 13:09

Tgt Ion:113 Resp: 131170
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 23.9 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

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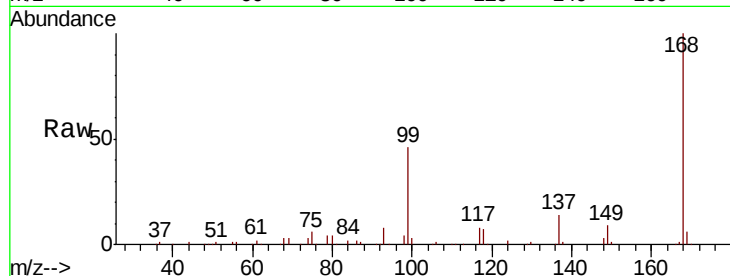
Tot Ion: 75 Resp: 18050

Ion Ratio Lower Upper

75 100

110 7.6 19.0 57.0#

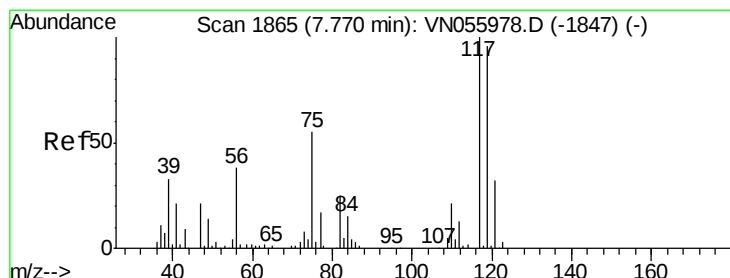
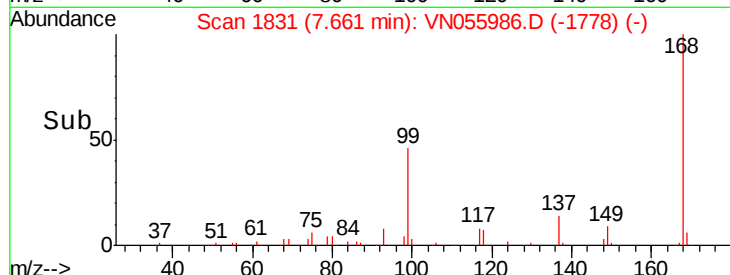
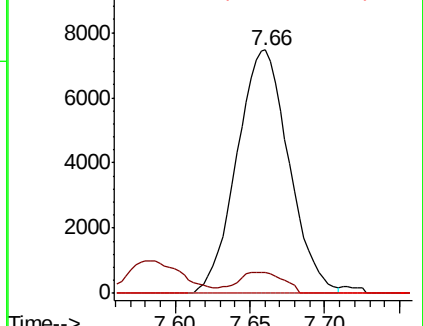
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN055978.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-1847) (-)



#38

Carbon Tetrachloride

Concen: 6.769 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

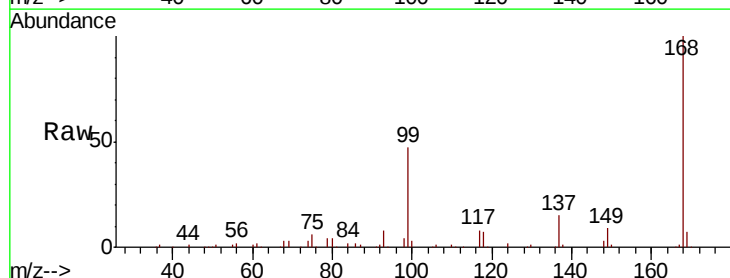
Tgt Ion: 117 Resp: 25323

Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

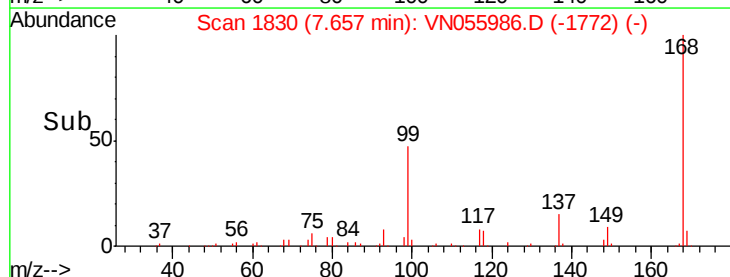
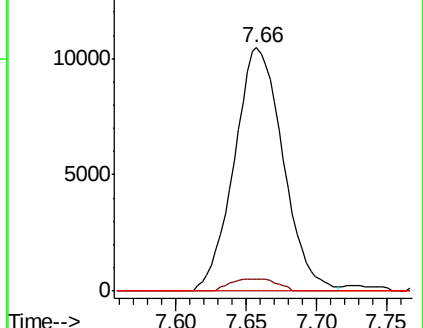
121 0.0 24.7 37.1#

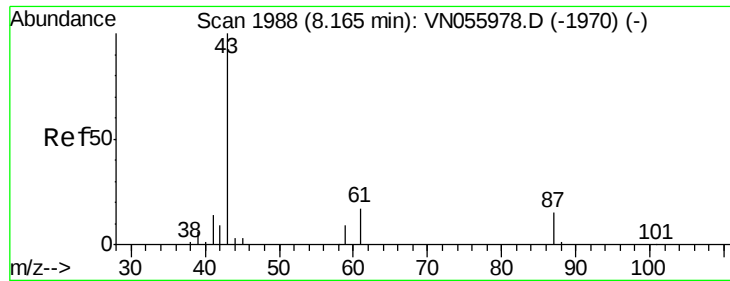


Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055978.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055978.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.435 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

0423-HR-3(HACKENSACK)

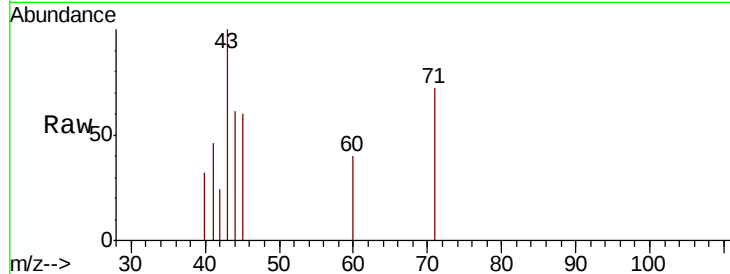
Tot Ion: 43 Resp: 2544

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

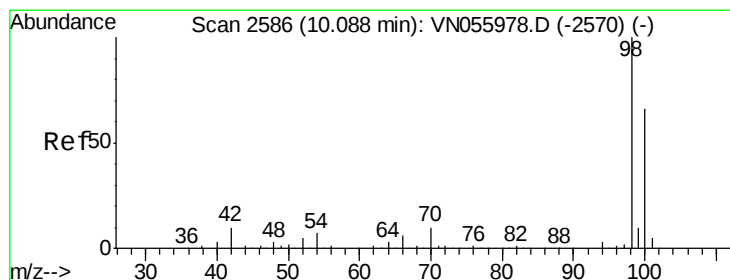
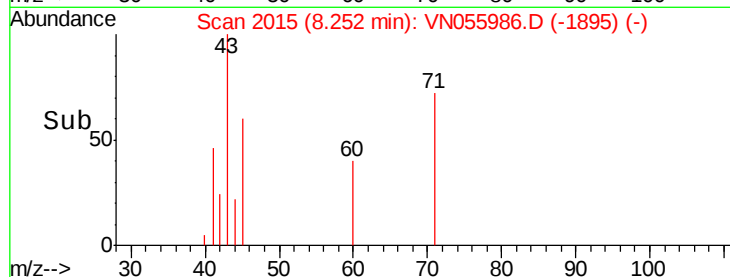
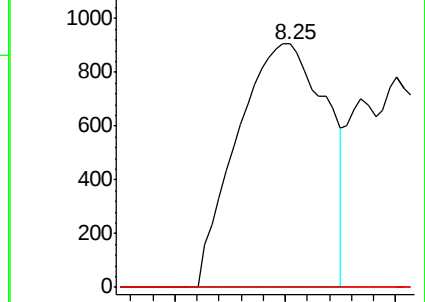
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#50

Toluene-d8

Concen: 49.779 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055986.D

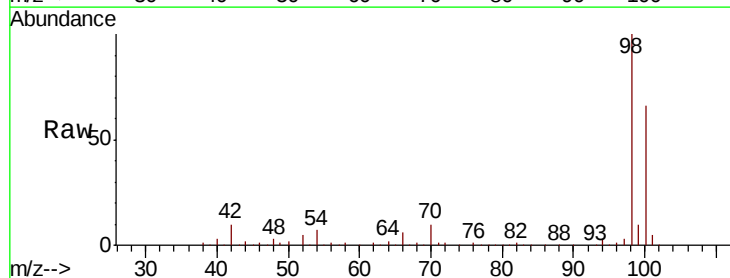
Acq: 4 Jun 2019 13:09

Tgt Ion: 98 Resp: 554562

Ion Ratio Lower Upper

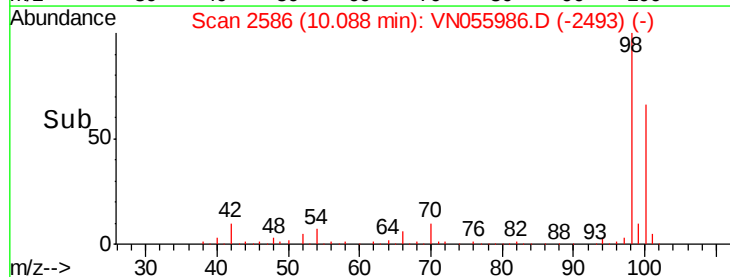
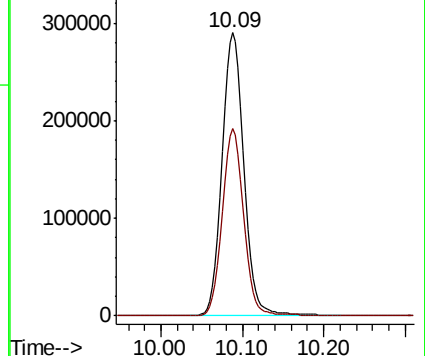
98 100

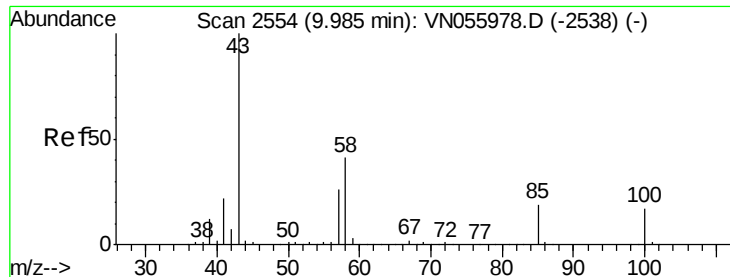
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC

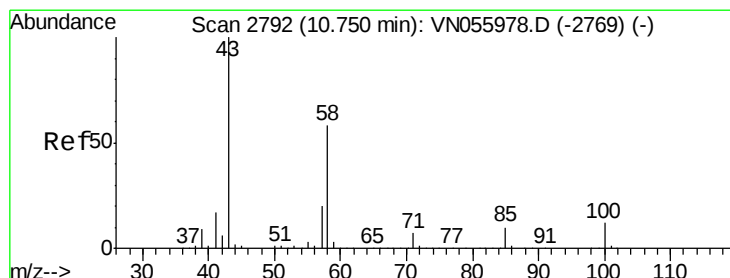
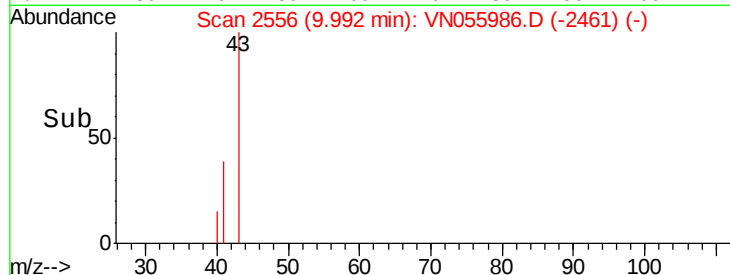
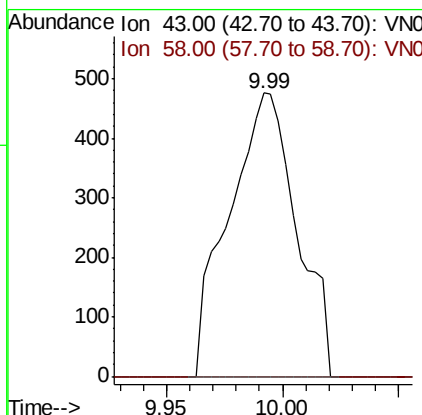
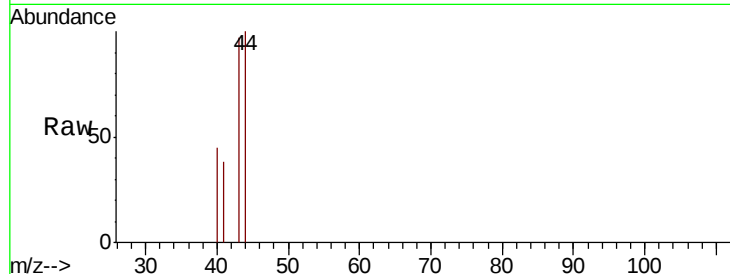




#51
 4-Methyl-2-Pentanone
 Concen: 0.264 ug/l
 RT: 9.99 min Scan# 2556
 Delta R.T. 0.01 min
 Lab File: VN055986.D
 Acq: 4 Jun 2019 13:09

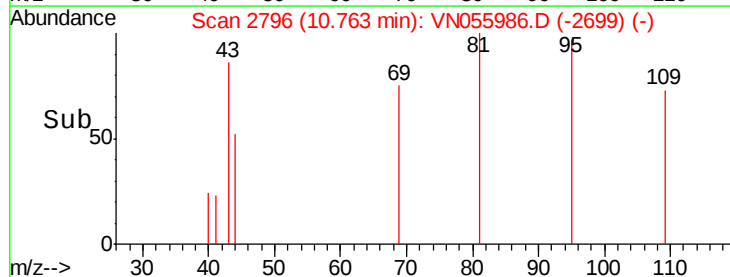
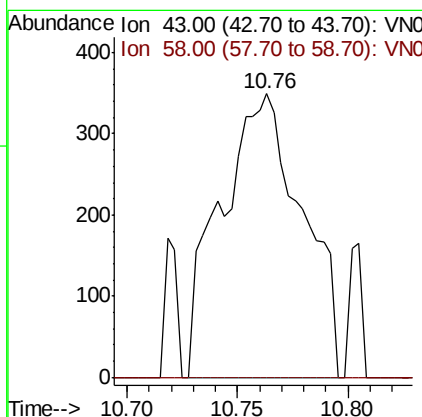
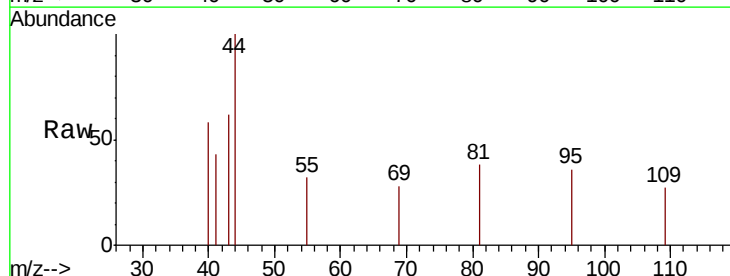
Instrument :
 MSVOA_N
 ClientSampleId :
 0423-HR-3(HACKENSACK)

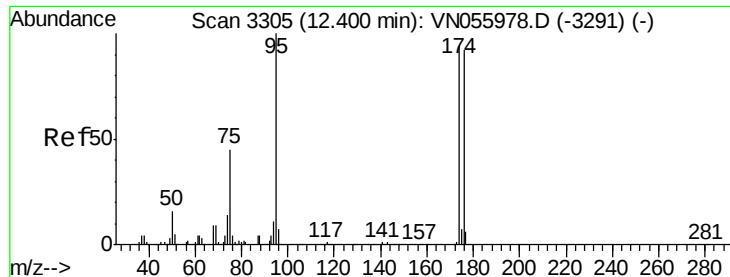
Tot Ion: 43 Resp: 967
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.1 48.1#



#59
 2-Hexanone
 Concen: 0.339 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055986.D
 Acq: 4 Jun 2019 13:09

Tgt Ion: 43 Resp: 899
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.2 84.7#

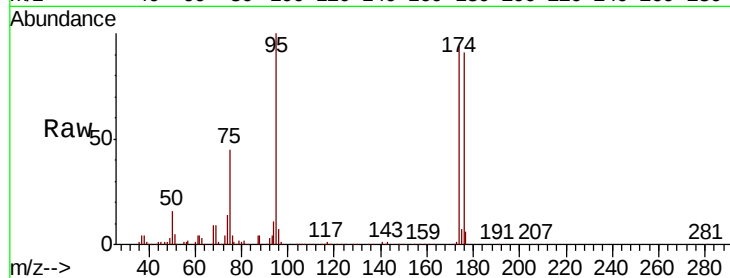




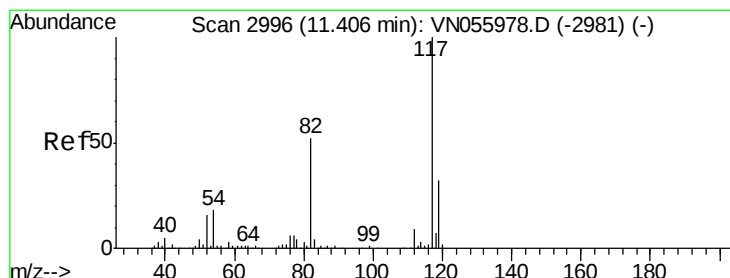
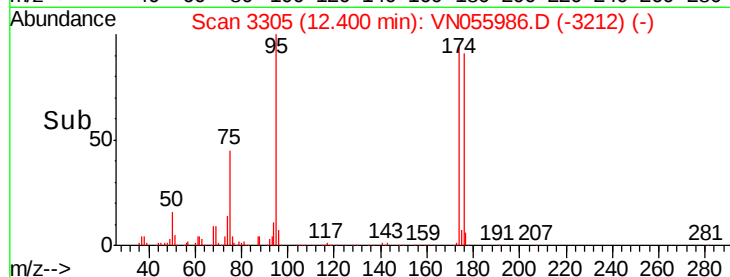
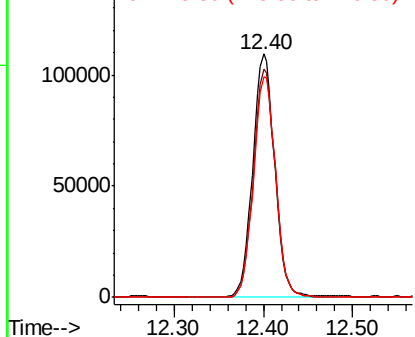
#62
4-Bromofluorobenzene
Concen: 48.812 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
0423-HR-3(HACKENSACK)

Tot Ion: 95 Resp: 184932
Ion Ratio Lower Upper
95 100
174 94.2 0.0 191.0
176 92.4 0.0 185.2

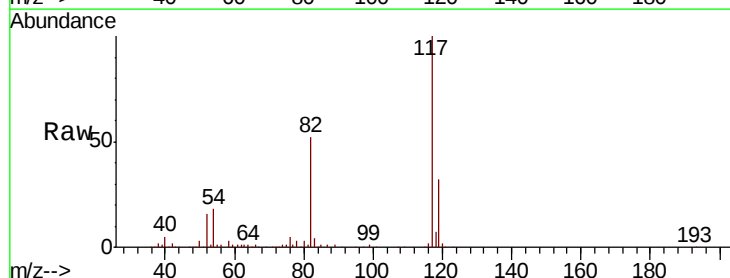


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

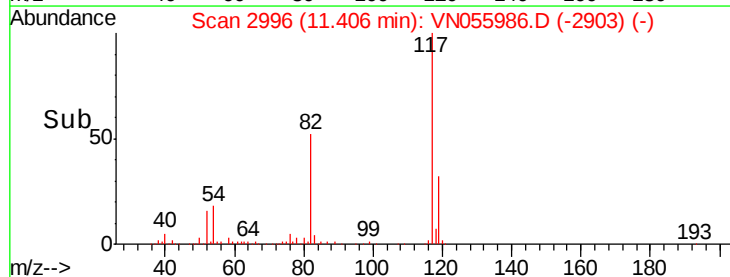
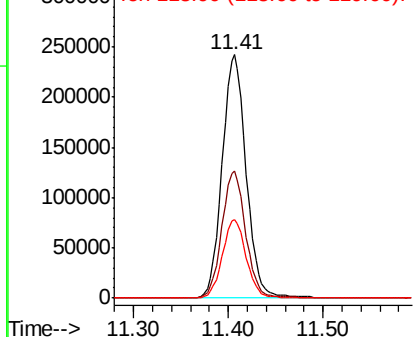


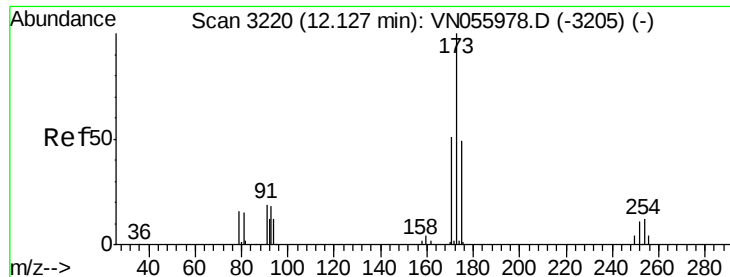
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Tgt Ion: 117 Resp: 426443
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 3.216 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

0423-HR-3(HACKENSACK)

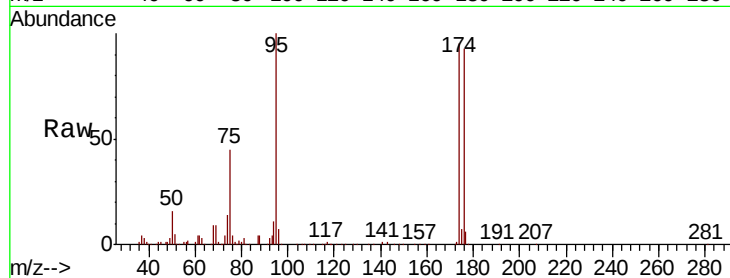
Tot Ion:173 Resp: 1234

Ion Ratio Lower Upper

173 100

175 919.6 24.3 72.8#

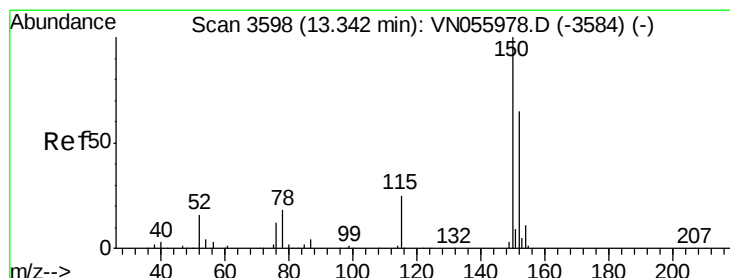
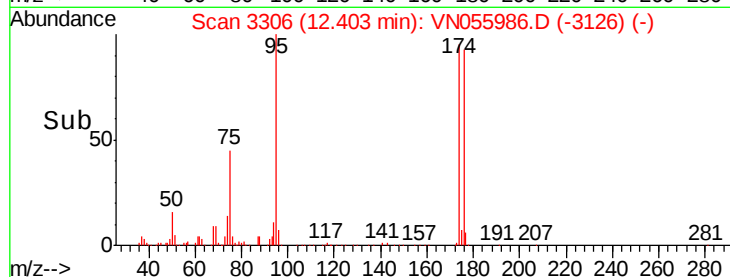
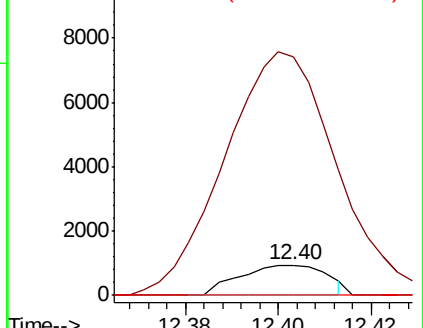
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

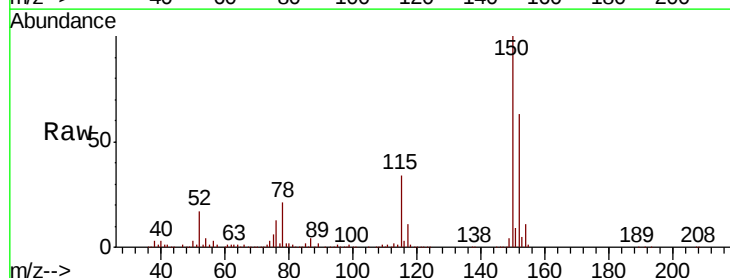
Tgt Ion:152 Resp: 172173

Ion Ratio Lower Upper

152 100

115 53.6 27.0 81.0

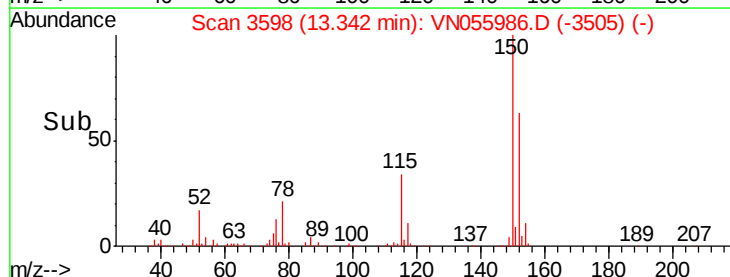
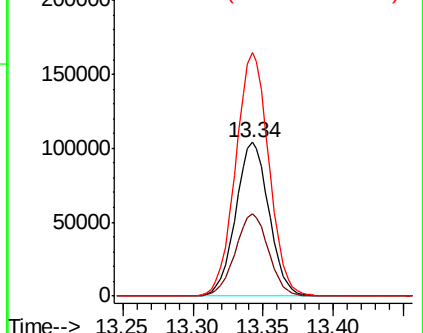
150 157.9 0.0 343.2

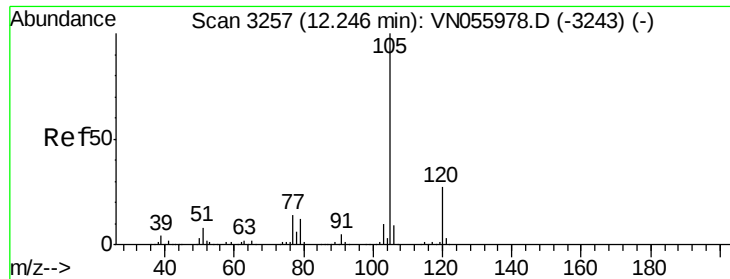


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3257

Delta R.T. 0.00 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

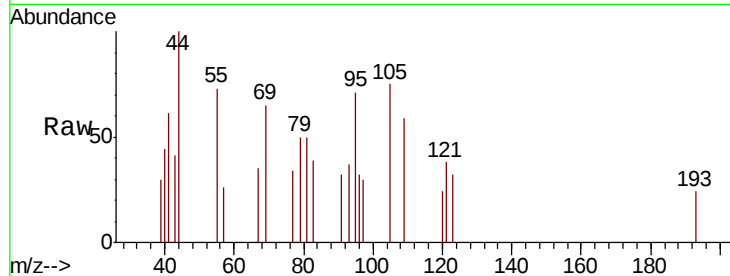
0423-HR-3(HACKENSACK)

Tot Ion: 105 Resp: 894

Ion Ratio Lower Upper

105 100

120 3.2 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400

300

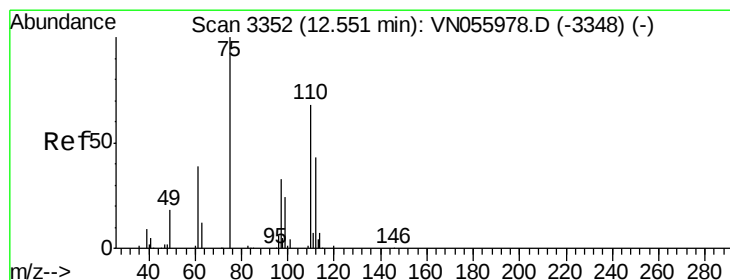
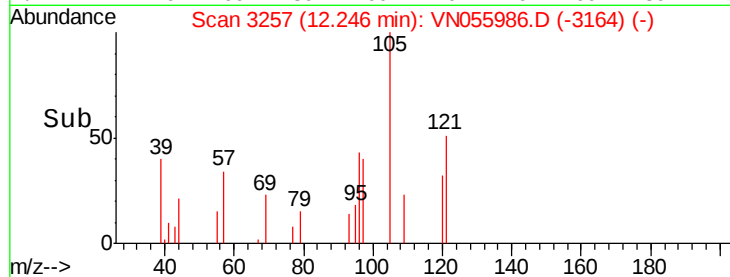
200

100

0

Time-->

12.20 12.25 12.30



#76

1,2,3-Trichloropropane

Concen: 26.267 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055986.D

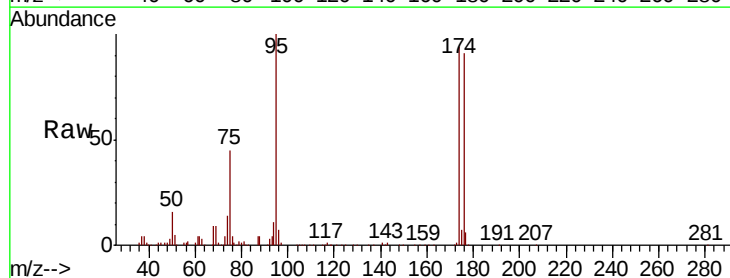
Acq: 4 Jun 2019 13:09

Tgt Ion: 75 Resp: 83214

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.40

50000

40000

30000

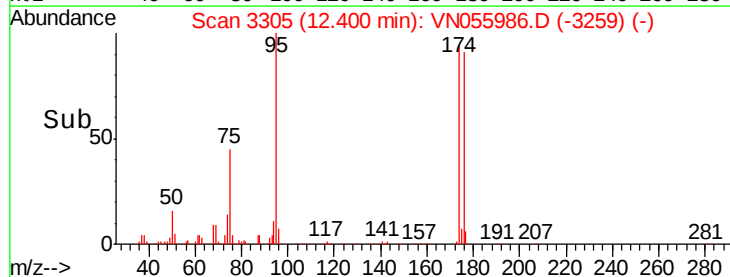
20000

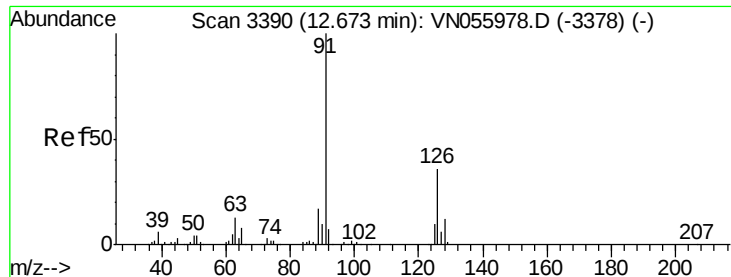
10000

0

Time-->

12.35 12.40 12.45





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

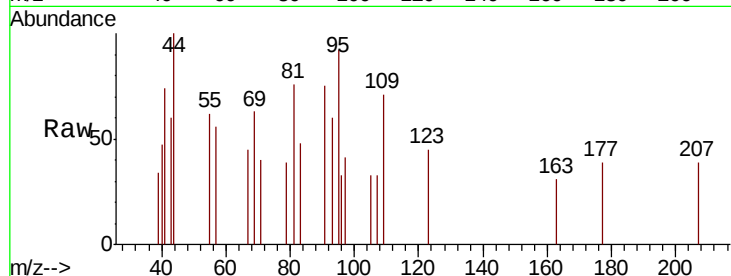
0423-HR-3(HACKENSACK)

Tot Ion: 91 Resp: 645

Ion Ratio Lower Upper

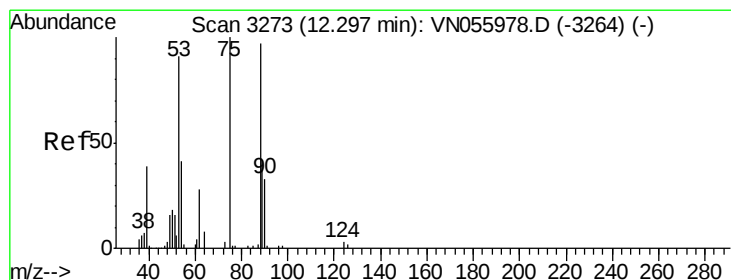
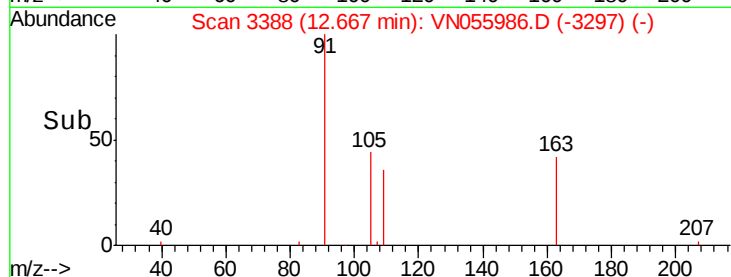
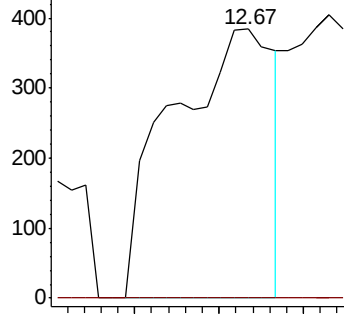
91 100

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: 87.473 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055986.D

Acq: 4 Jun 2019 13:09

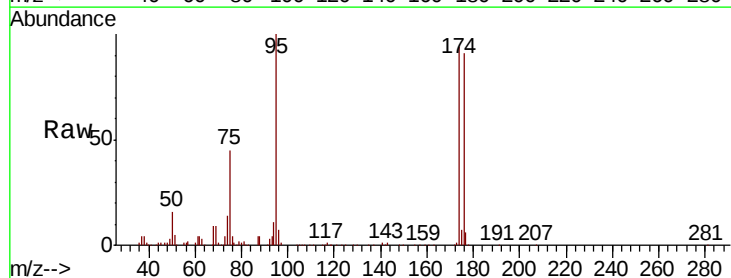
Tgt Ion: 75 Resp: 83214

Ion Ratio Lower Upper

75 100

53 0.1 68.1 102.1#

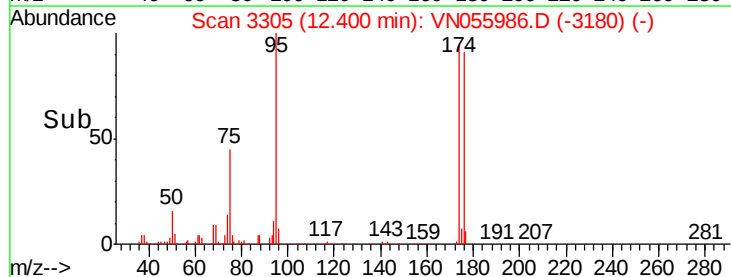
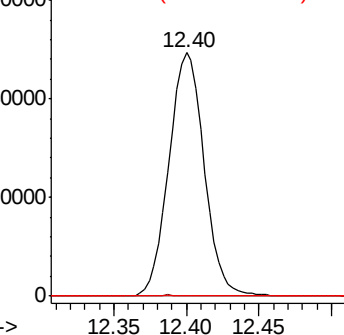
89 0.0 36.9 55.3#

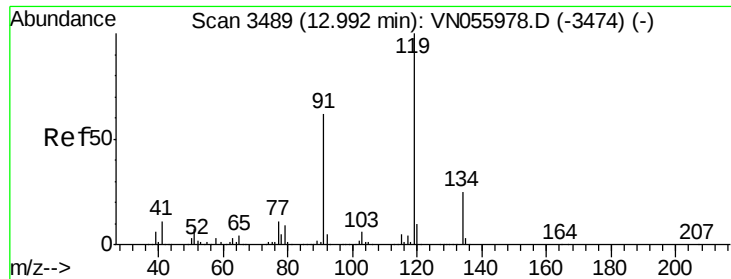


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

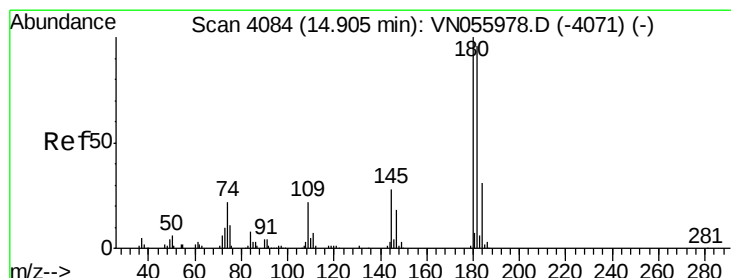
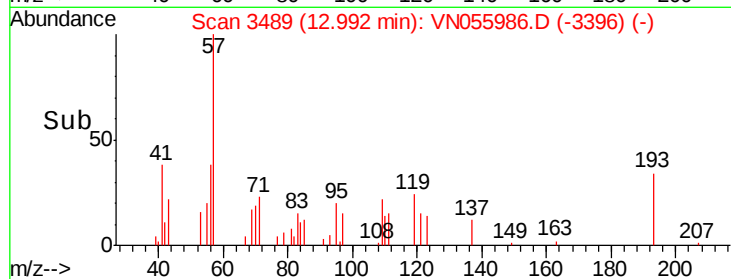
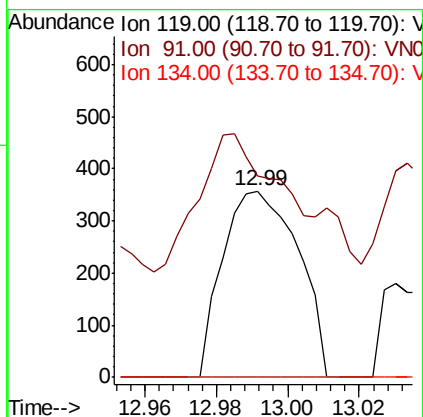
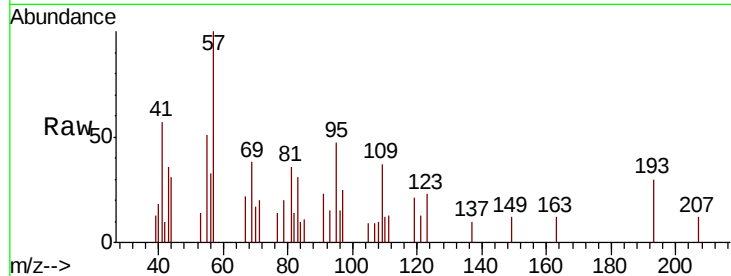




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

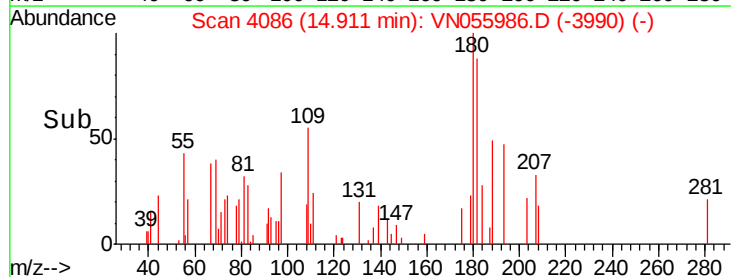
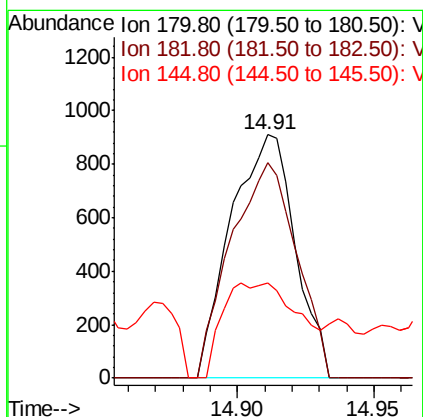
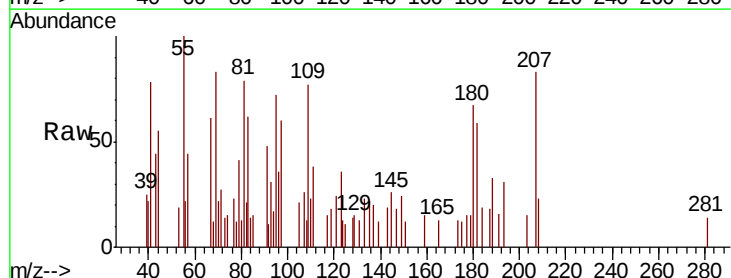
Instrument :
MSVOA_N
ClientSampleId :
0423-HR-3(HACKENSACK)

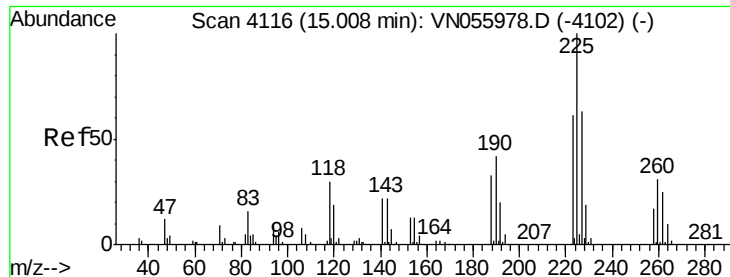
Tot Ion:119 Resp: 521
Ion Ratio Lower Upper
119 100
91 91.0 30.9 92.8
134 0.0 13.3 39.8#



#93
1,2,4-Trichlorobenzene
Concen: 4.699 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.01 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Tgt Ion:180 Resp: 1489
Ion Ratio Lower Upper
180 100
182 90.8 48.3 144.9
145 47.1 14.0 41.9#

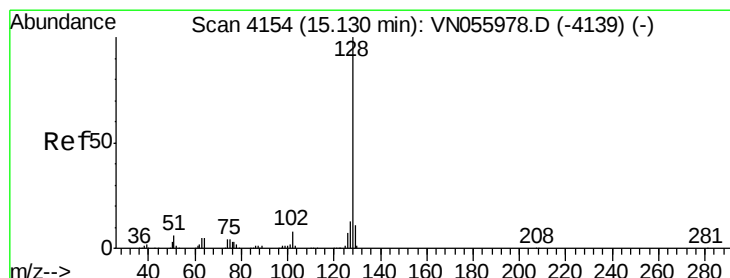
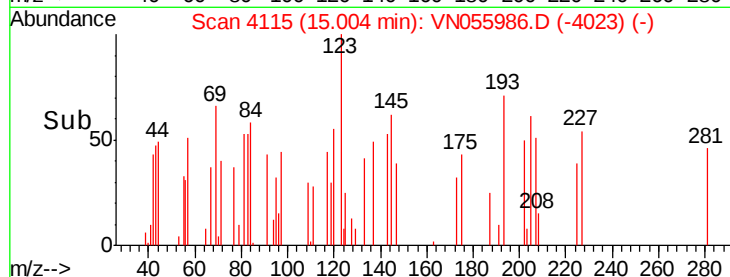
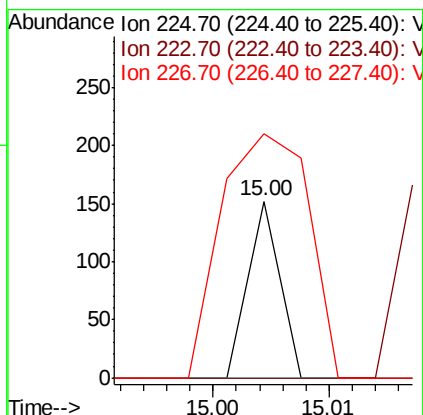
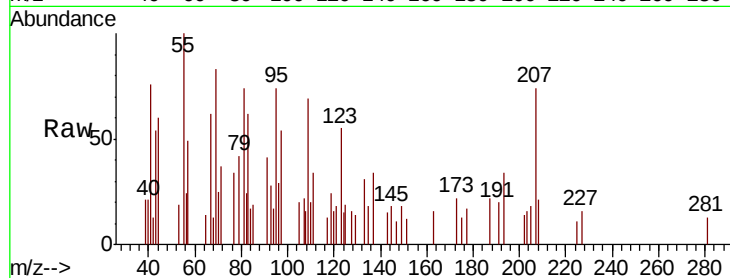




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

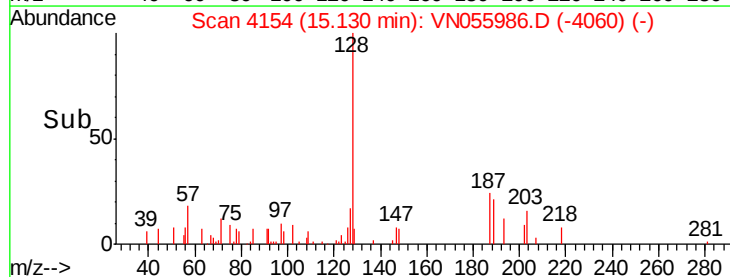
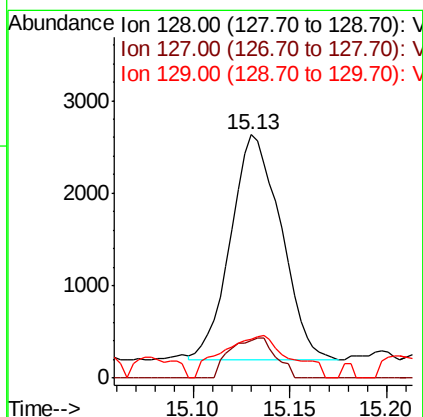
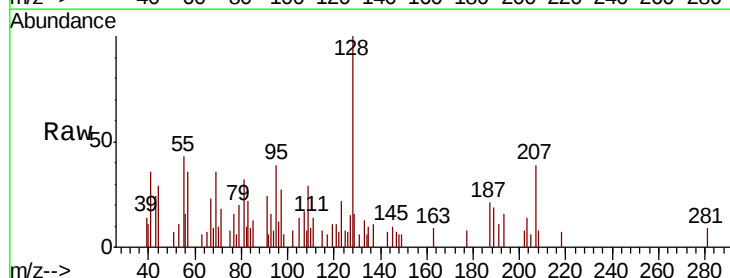
Instrument :
MSVOA_N
ClientSampleId :
0423-HR-3(HACKENSACK)

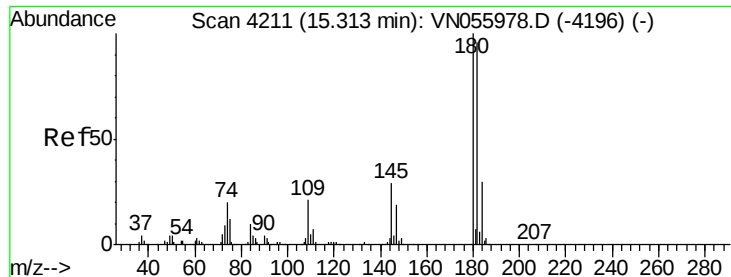
Tot Ion:225 Resp: 29
Ion Ratio Lower Upper
225 100
223 110.3 30.9 92.7#
227 379.3 31.6 94.7#



#95
Naphthalene
Concen: 4.346 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055986.D
Acq: 4 Jun 2019 13:09

Tgt Ion:128 Resp: 4410
Ion Ratio Lower Upper
128 100
127 16.1 10.3 15.5#
129 25.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.481 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055986.D
 Acq: 4 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 0423-HR-3(HACKENSACK)

Tot Ion:180 Resp: 1550
 Ion Ratio Lower Upper
 180 100
 182 89.4 47.9 143.7
 145 10.6 14.9 44.7#

