

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060419\
 Data File : VN055987.D
 Acq On : 4 Jun 2019 13:34
 Operator : JC/SP
 Sample : K3097-07
 Misc : 5.01µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 0427-HR-7(HACKENSACK)

Quant Time: Jun 05 01:14:12 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	321274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172491	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	155850	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	7.59	113	134994	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
50) Toluene-d8	10.09	98	569852	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	186845	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

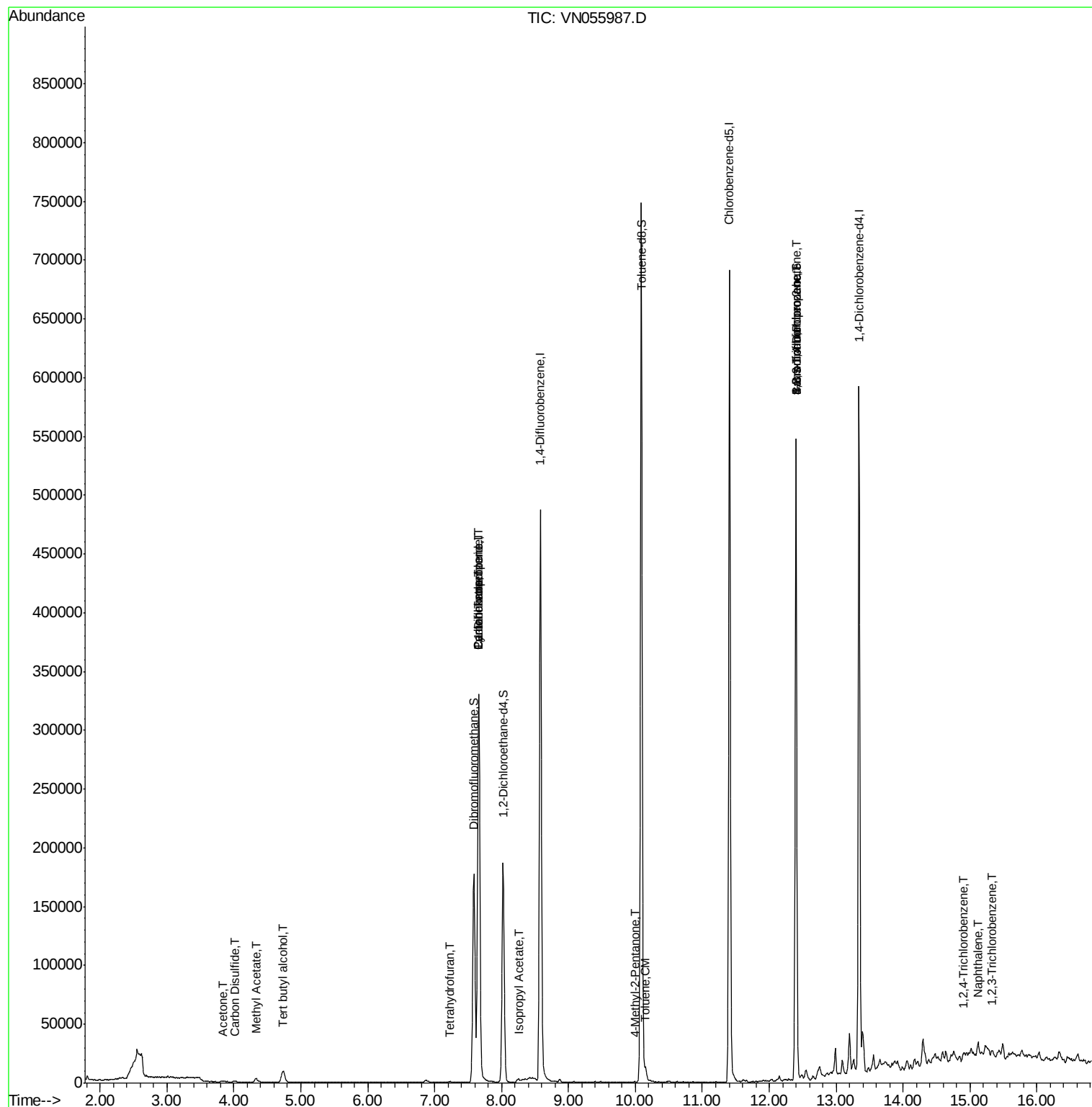
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	9340	16.825	ug/l #	74
16) Acetone	3.82	43	1944	1.274	ug/l #	41
17) Carbon Disulfide	4.01	76	2378	0.368	ug/l #	74
18) Methyl Acetate	4.33	43	6932	1.755	ug/l #	80
29) Tetrahydrofuran	7.22	42	741	0.622	ug/l #	52
31) Cyclohexane	7.65	56	4605	0.910	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18703	4.501	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25795	6.733	ug/l #	15
43) Isopropyl Acetate	8.25	43	2191	0.366	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	1081	0.289	ug/l #	61
52) Toluene	10.15	92	1593	0.203	ug/l	89
71) Bromoform	12.40	173	1380	3.257	ug/l #	1
73) Isopropylbenzene	12.24	105	592	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	85197	26.843	ug/l #	100
79) 2-Chlorotoluene	12.68	91	826	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85197	89.392	ug/l #	15
83) tert-Butylbenzene	12.98	119	155	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	827	4.508	ug/l #	60
95) Naphthalene	15.13	128	4469	4.351	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.32	180	1071	3.342	ug/l	85

(#) = 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: VN055987.D

Acq: 4 Jun 2019 13:34

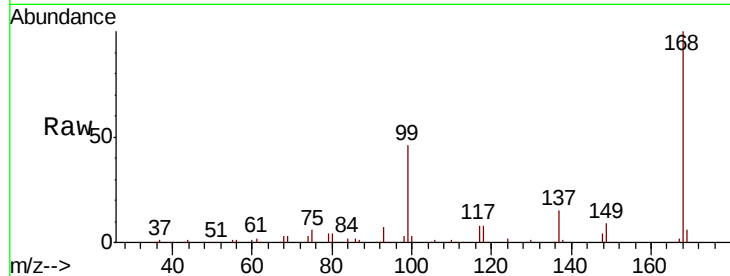
Instrument :
MSVOA_N
ClientSampleId :
0427-HR-7(HACKENSACK)

Tot Ion:168 Resp: 321274

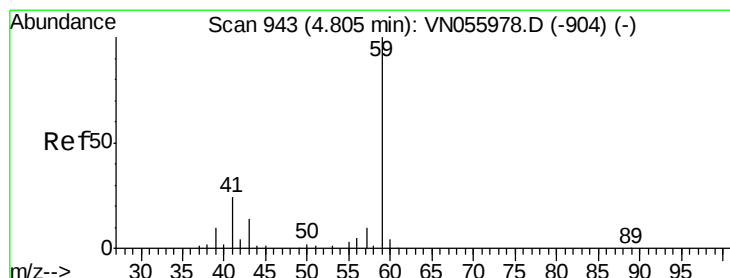
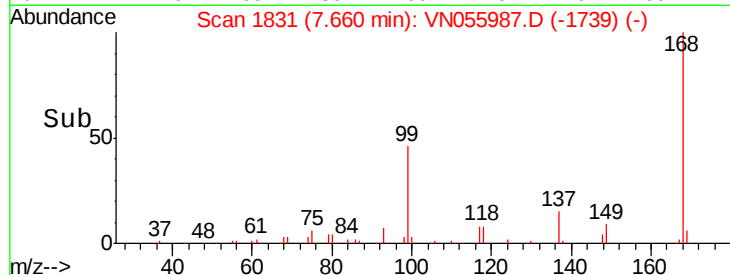
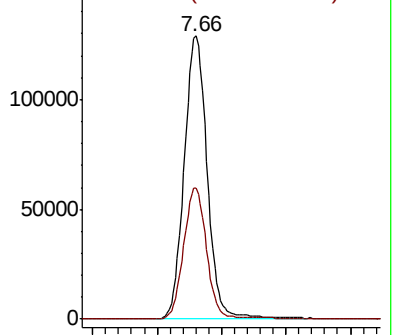
Ion Ratio Lower Upper

168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 16.825 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.06 min

Lab File: VN055987.D

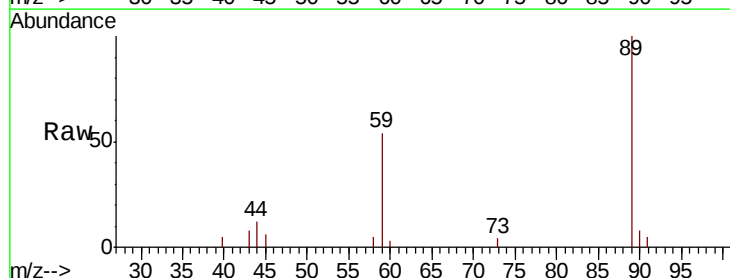
Acq: 4 Jun 2019 13:34

Tgt Ion: 59 Resp: 9340

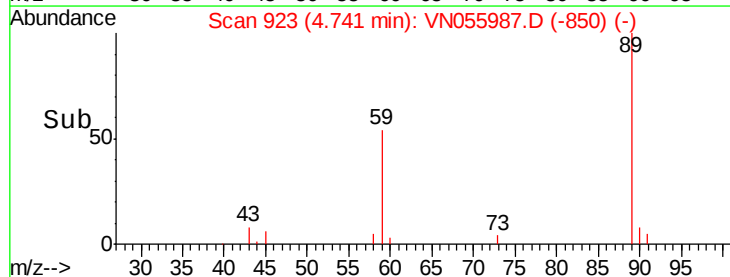
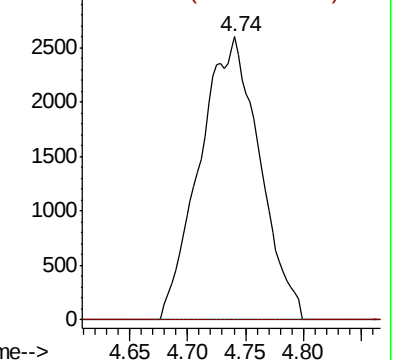
Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1.274 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

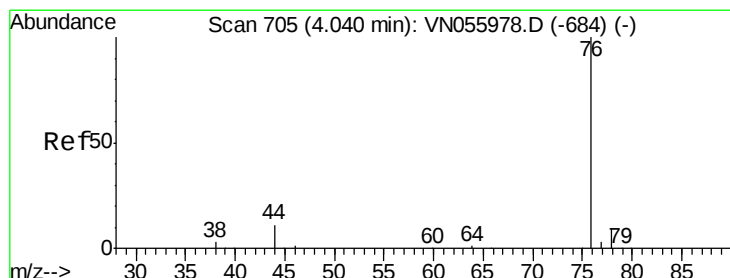
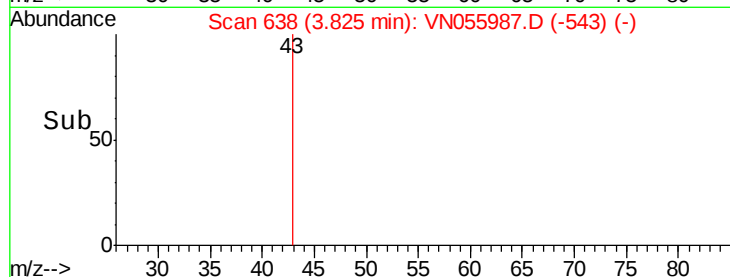
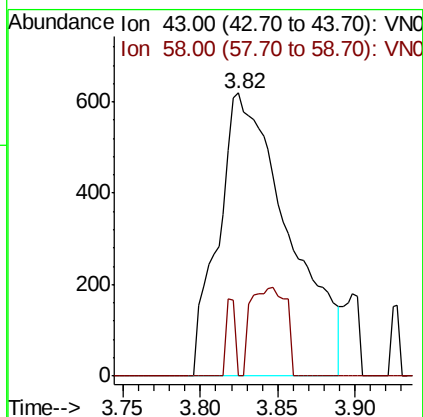
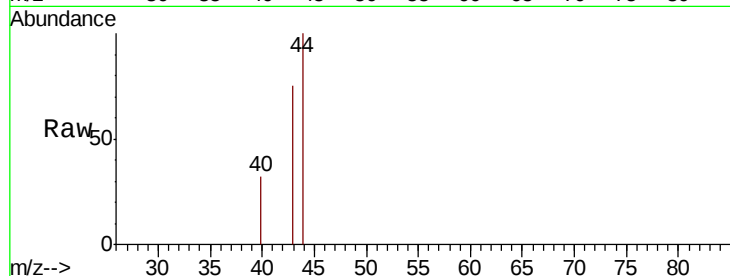
0427-HR-7(HACKENSACK)

Tot Ion: 43 Resp: 1944

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#17

Carbon Disulfide

Concen: 0.368 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.03 min

Lab File: VN055987.D

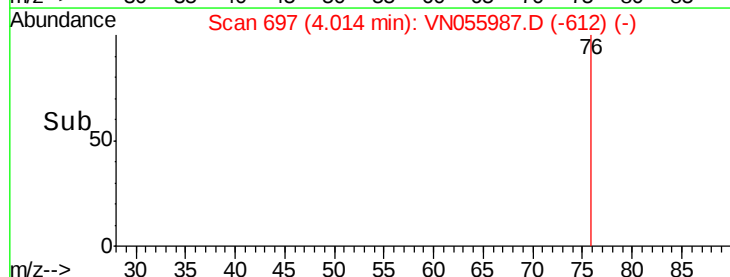
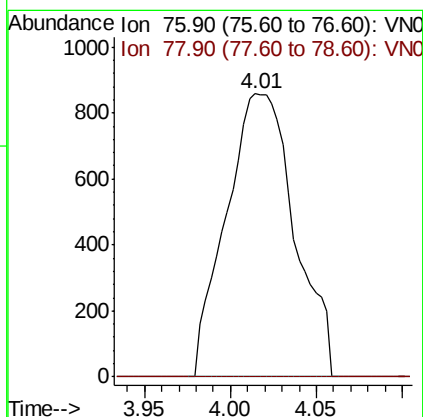
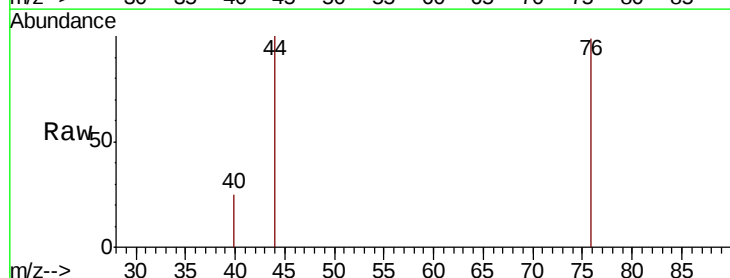
Acq: 4 Jun 2019 13:34

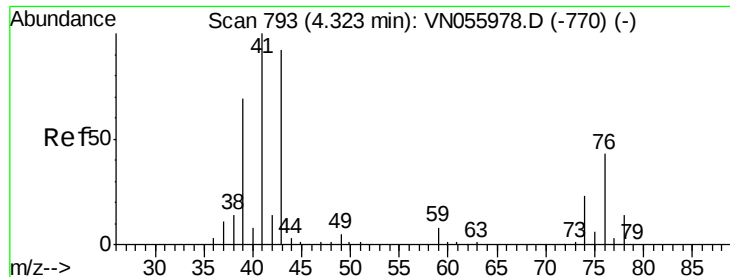
Tgt Ion: 76 Resp: 2378

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

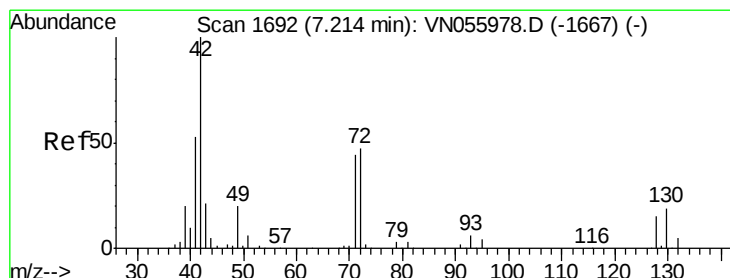
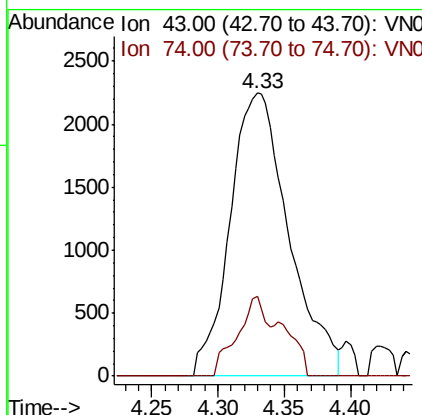
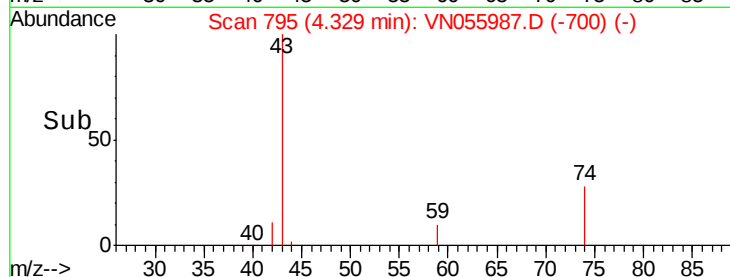
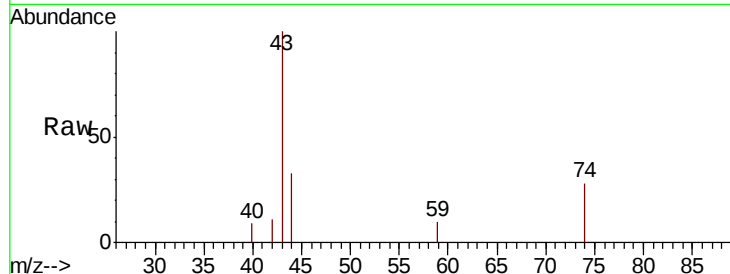




#18
Methyl Acetate
Concen: 1.755 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

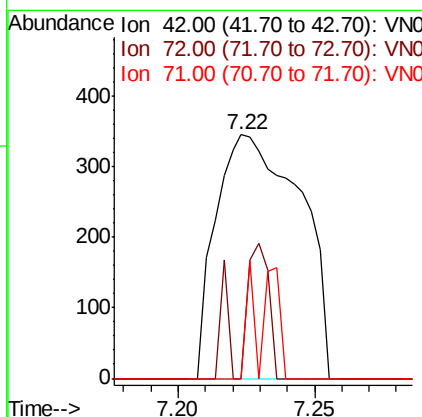
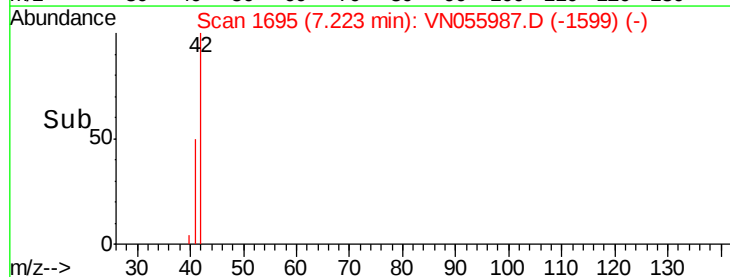
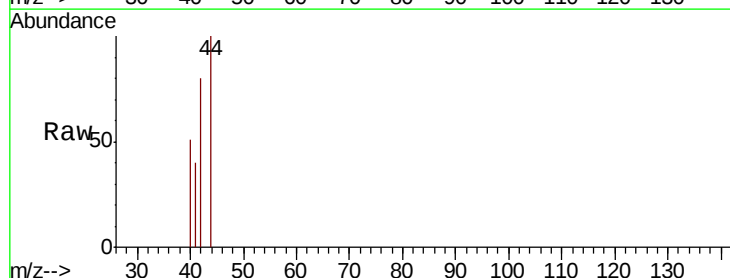
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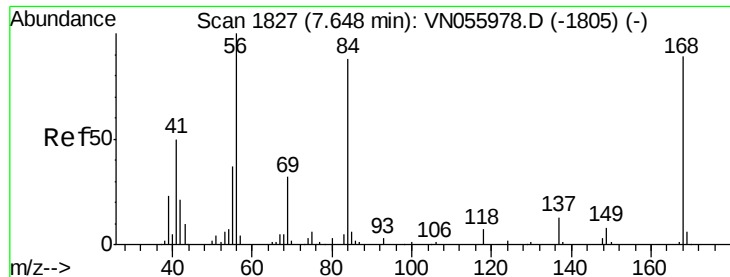
Tot Ion: 43 Resp: 6932
Ion Ratio Lower Upper
43 100
74 14.0 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.622 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Tgt Ion: 42 Resp: 741
Ion Ratio Lower Upper
42 100
72 13.4 35.9 53.9#
71 12.3 34.0 51.0#

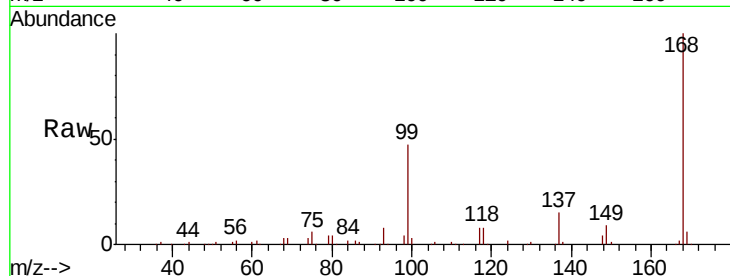




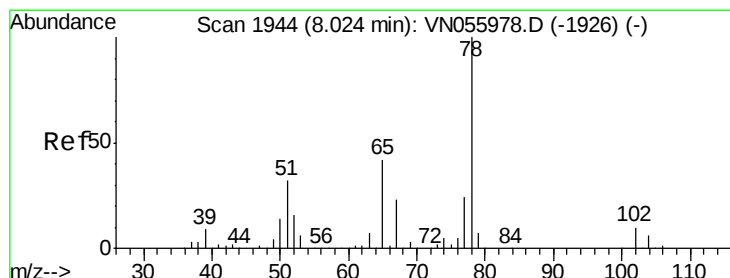
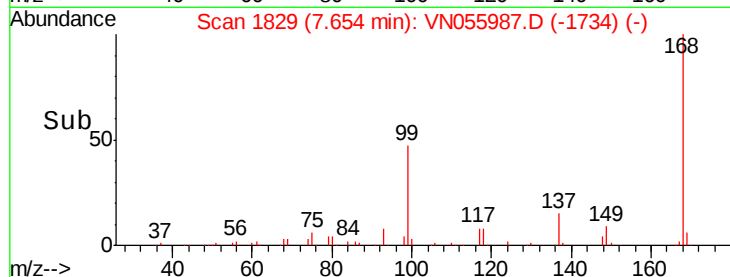
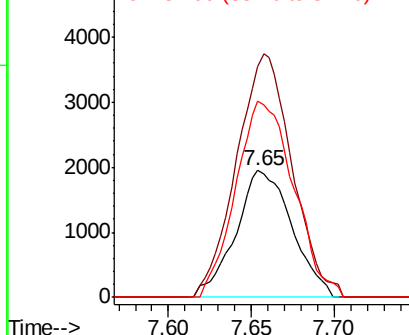
#31
Cyclohexane
Concen: 0.910 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
0427-HR-7(HACKENSACK)

Tot Ion: 56 Resp: 4605
Ion Ratio Lower Upper
56 100
69 182.7 25.6 38.4#
84 155.5 67.4 101.0#

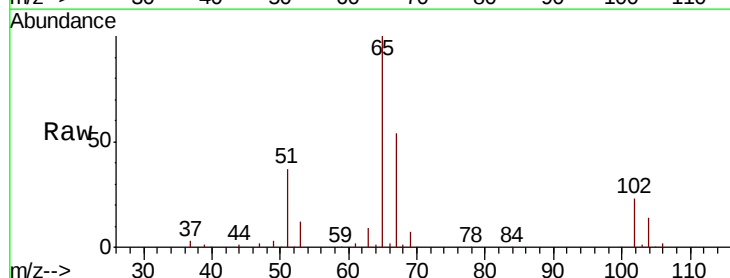


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

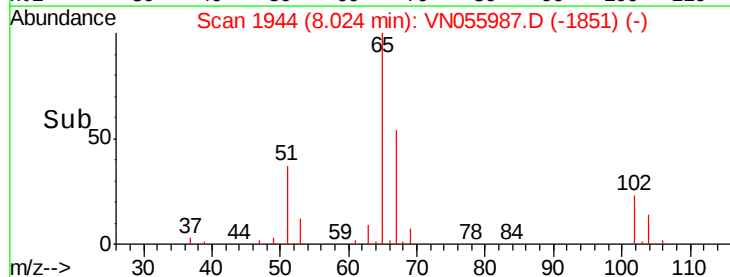
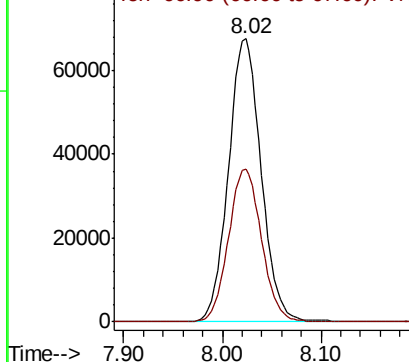


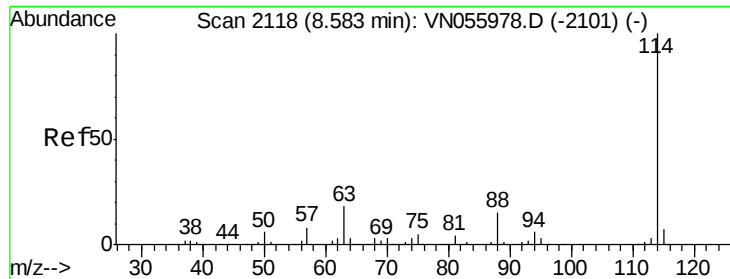
#33
1,2-Dichloroethane-d4
Concen: 48.856 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Tgt Ion: 65 Resp: 155850
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.2



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

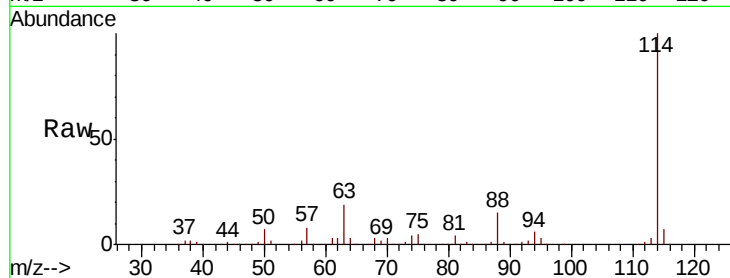




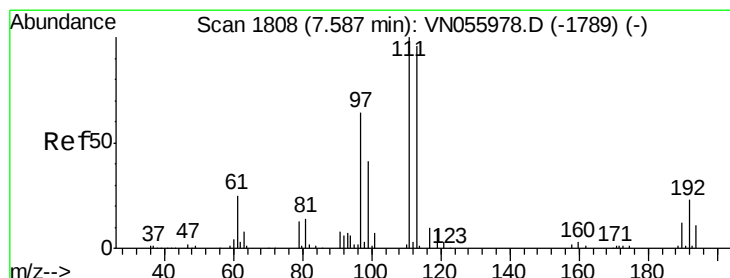
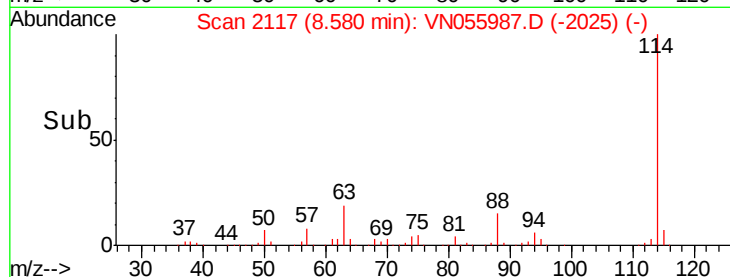
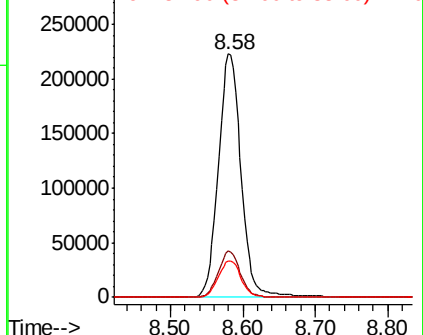
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

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Tot Ion:114 Resp: 483269
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.2
88 14.9 0.0 31.0

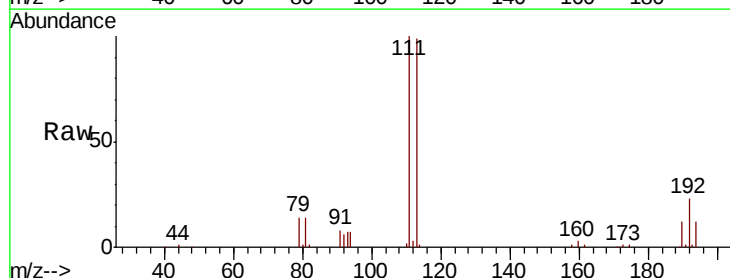


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

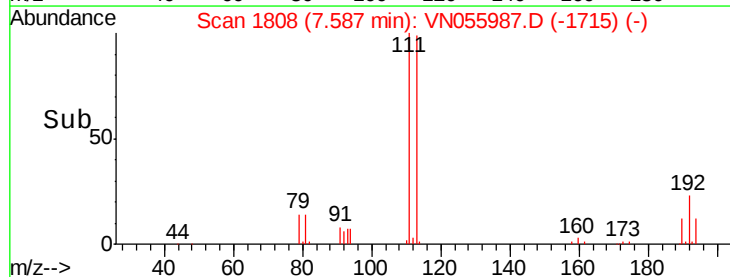
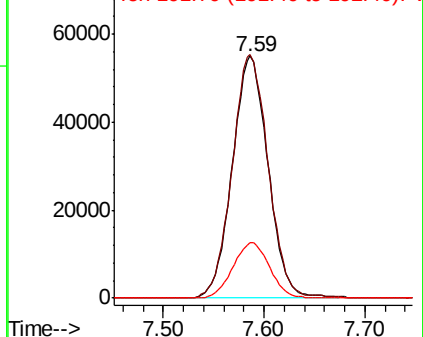


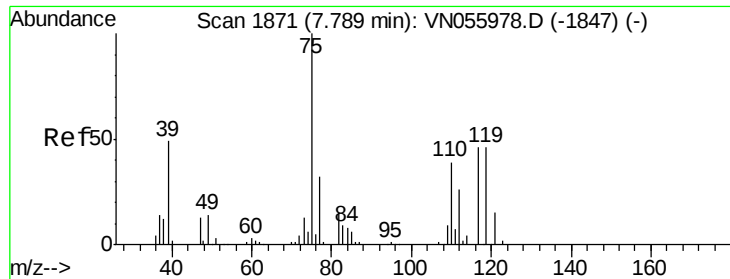
#35
Dibromofluoromethane
Concen: 45.529 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Tgt Ion:113 Resp: 134994
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 23.4 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

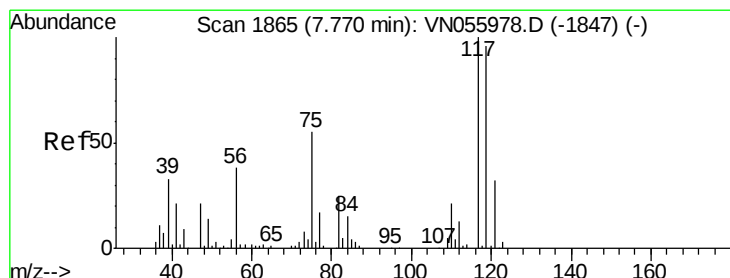
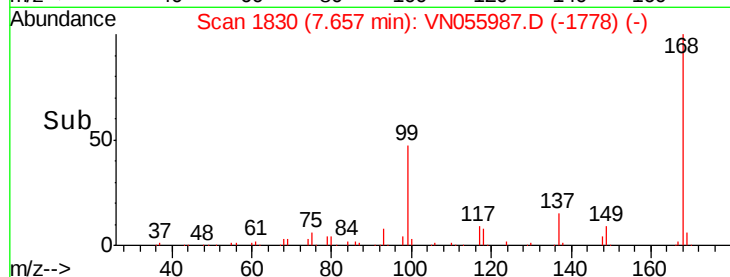
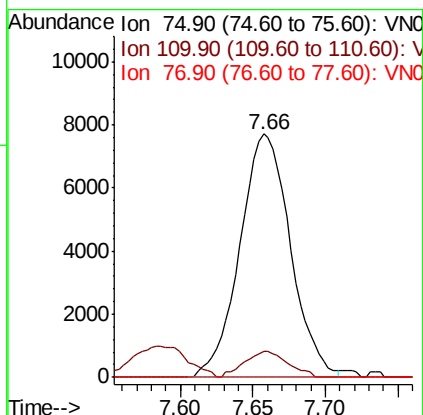
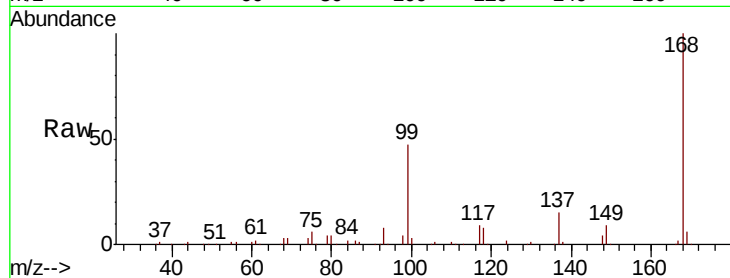




#36
 1,1-Dichloropropene
 Concen: 4.501 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055987.D
 Acq: 4 Jun 2019 13:34

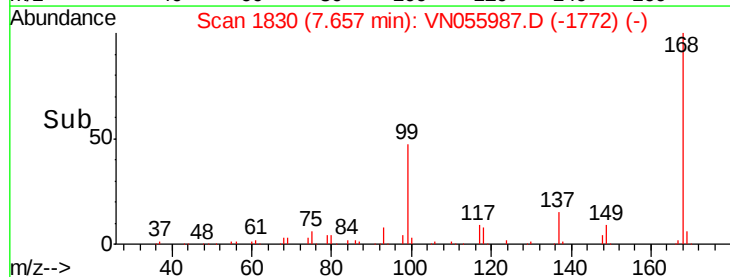
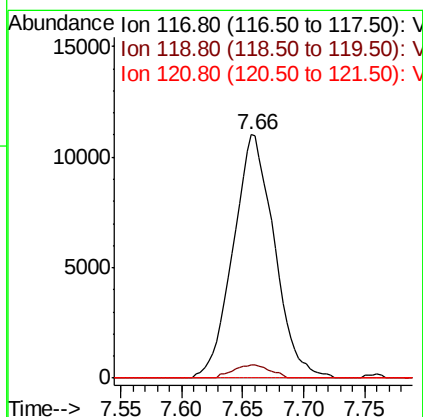
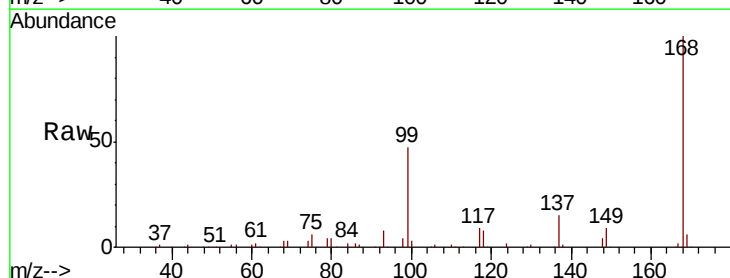
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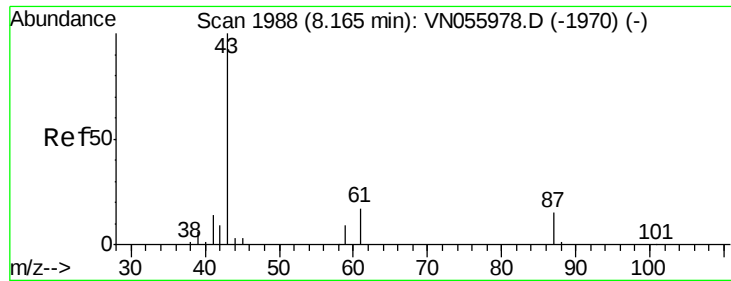
Tot Ion	75	Resp	18703
Ion Ratio	Lower	Upper	
75	100		
110	9.1	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.733 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN055987.D
 Acq: 4 Jun 2019 13:34

Tgt Ion	117	Resp	25795
Ion Ratio	Lower	Upper	
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#

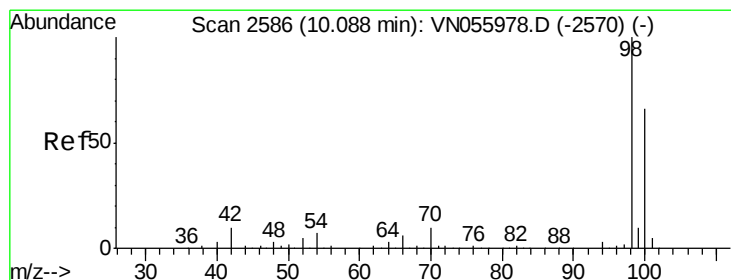
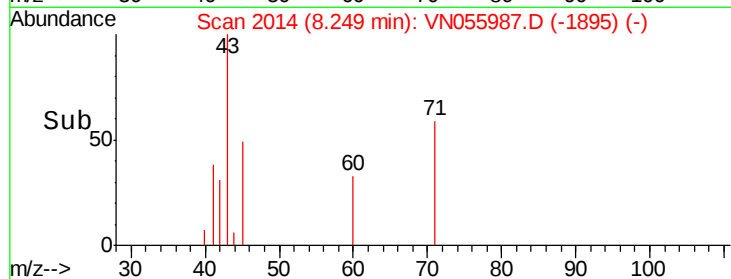
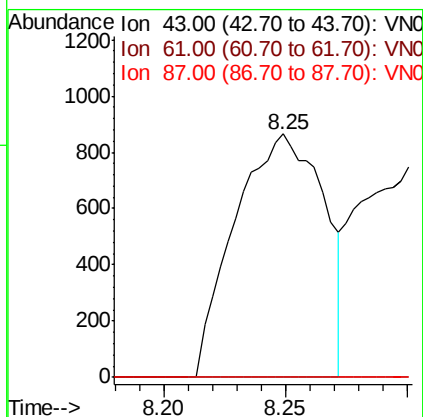
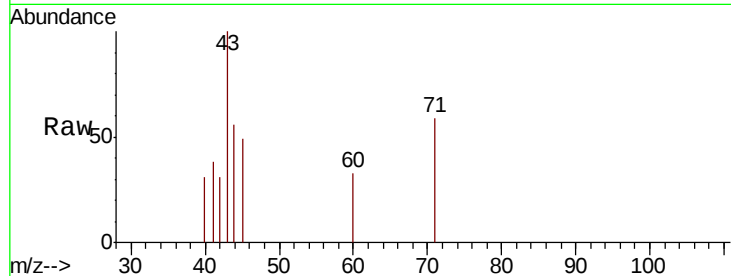




#43
Isopropyl Acetate
Concen: 0.366 ug/l
RT: 8.25 min Scan# 2014
Delta R.T. 0.08 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

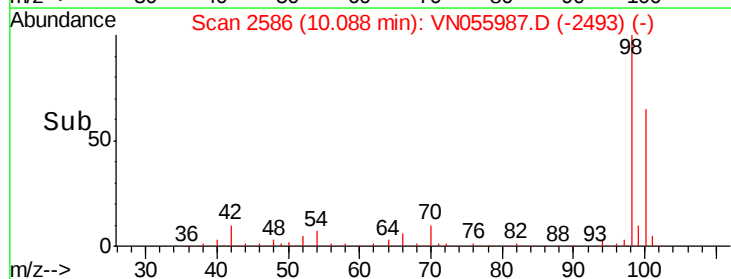
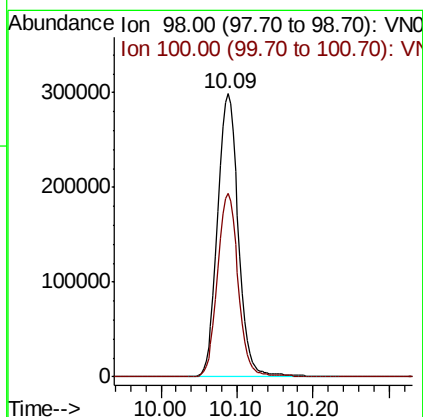
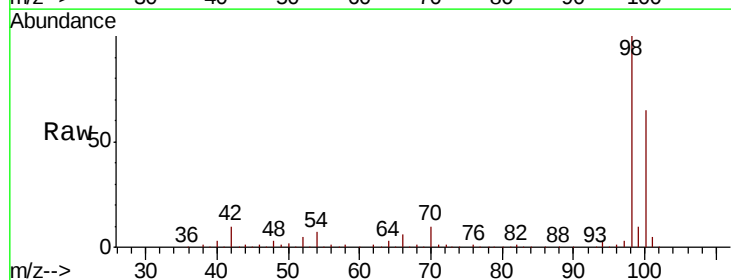
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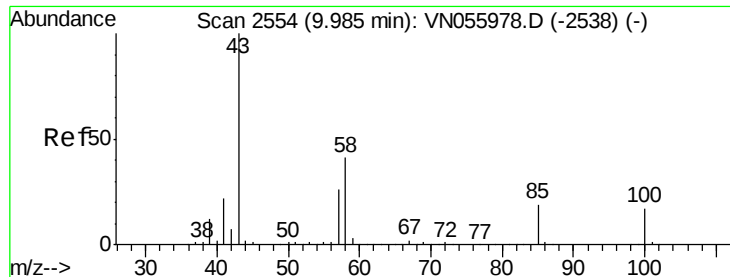
Tot Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



#50
Toluene-d8
Concen: 49.946 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Tgt Ion: 98 Resp: 569852
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.289 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

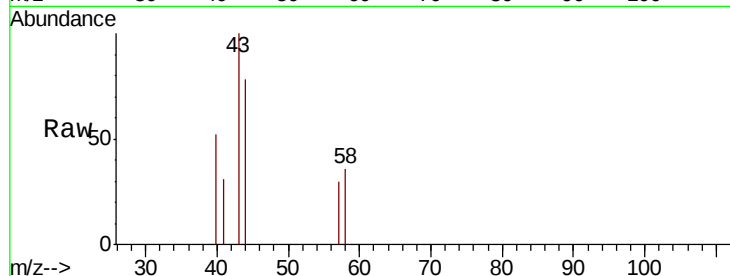
0427-HR-7(HACKENSACK)

Tot Ion: 43 Resp: 1081

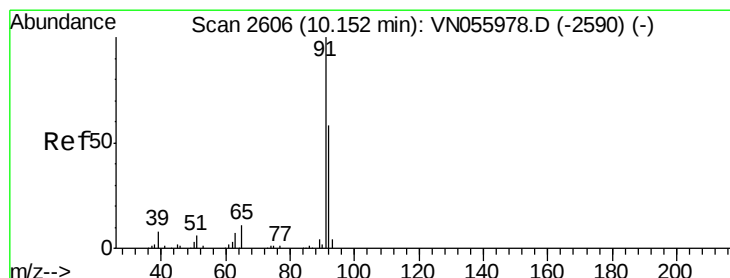
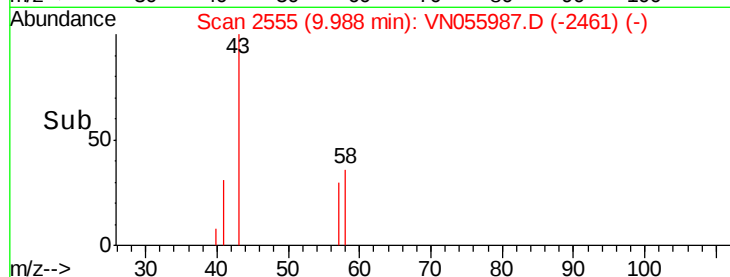
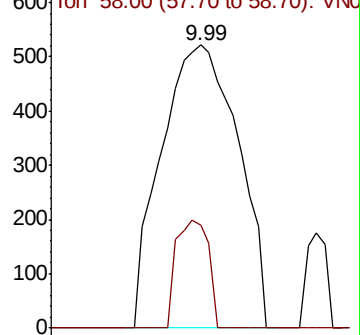
Ion Ratio Lower Upper

43 100

58 15.8 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055987.D (-2538) (-)



#52

Toluene

Concen: 0.203 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055987.D

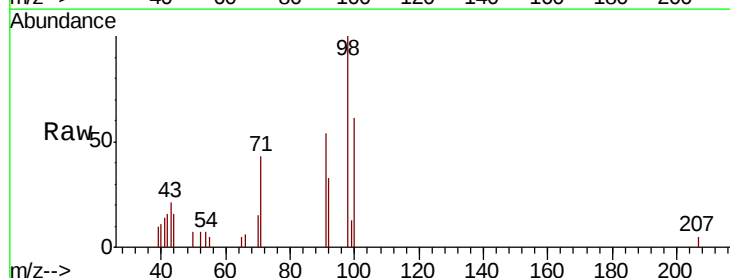
Acq: 4 Jun 2019 13:34

Tgt Ion: 92 Resp: 1593

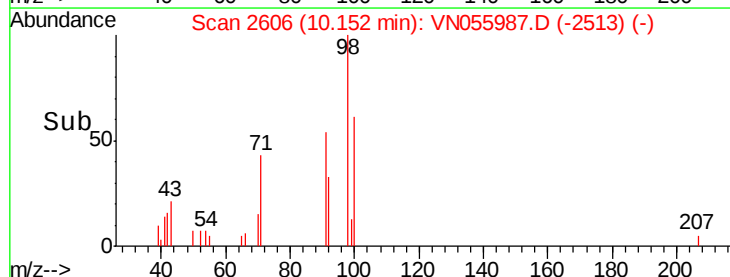
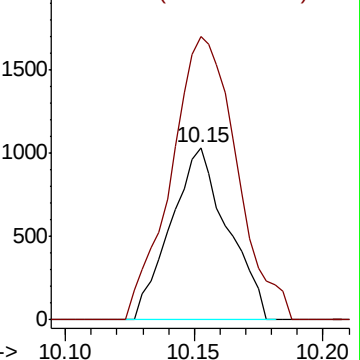
Ion Ratio Lower Upper

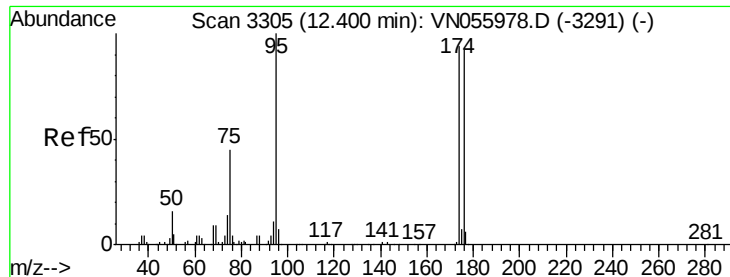
92 100

91 190.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055987.D (-2513) (-)

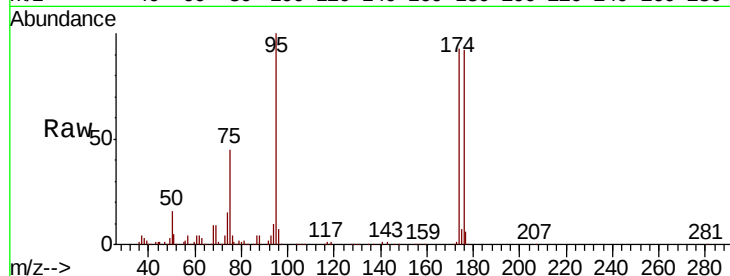




#62
4-Bromofluorobenzene
Concen: 48.155 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :
0427-HR-7(HACKENSACK)

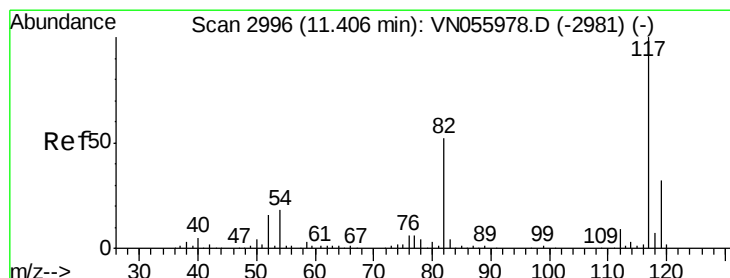
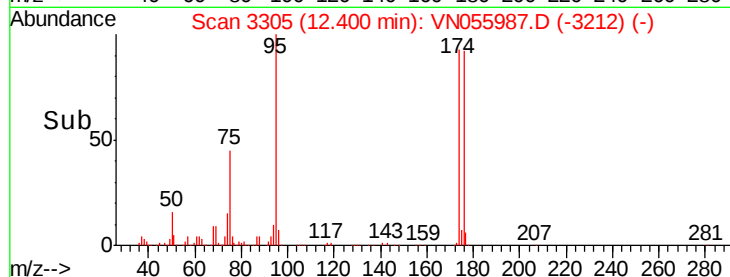
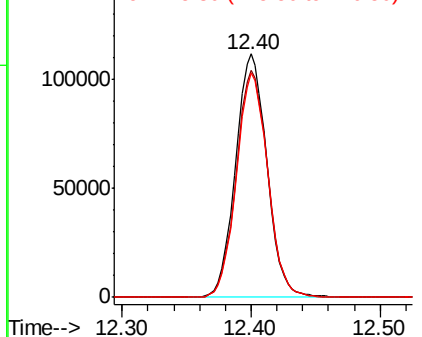
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	191.0
176	92.8	0.0	185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055987.D (-3291) (-)

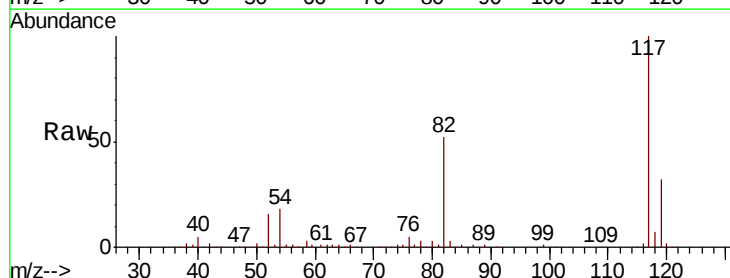
Ion 173.80 (173.50 to 174.50): VN055987.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055987.D (-3291) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

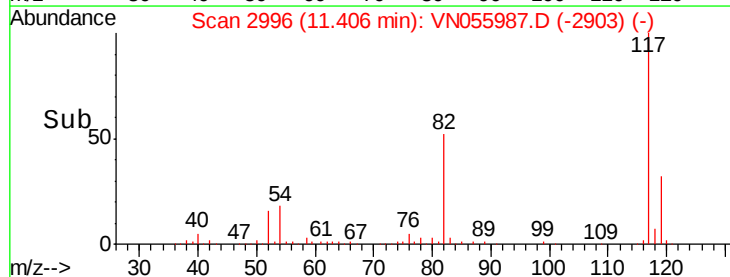
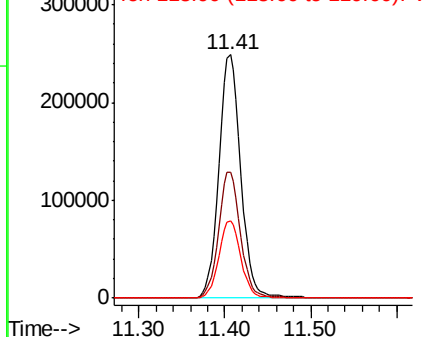
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	32.0	25.4	38.0

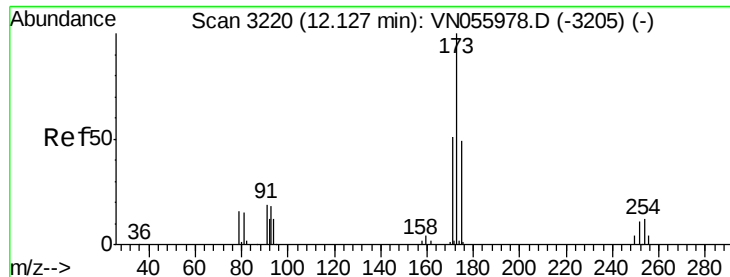


Abundance Ion 116.90 (116.60 to 117.60): VN055987.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055987.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055987.D (-2981) (-)





#71

Bromoform

Concen: 3.257 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

0427-HR-7(HACKENSACK)

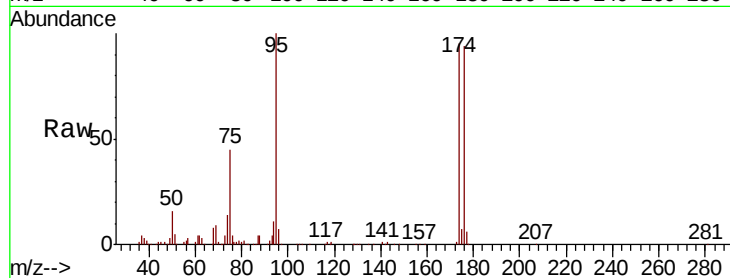
Tot Ion:173 Resp: 1380

Ion Ratio Lower Upper

173 100

175 846.6 24.3 72.8#

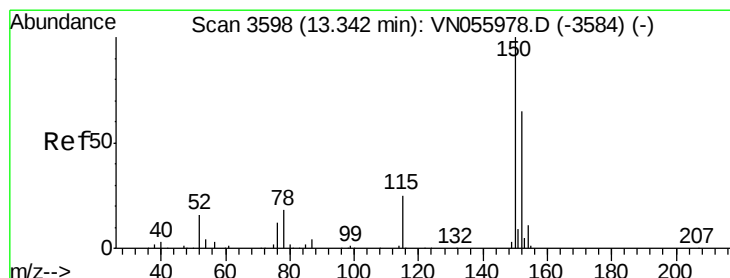
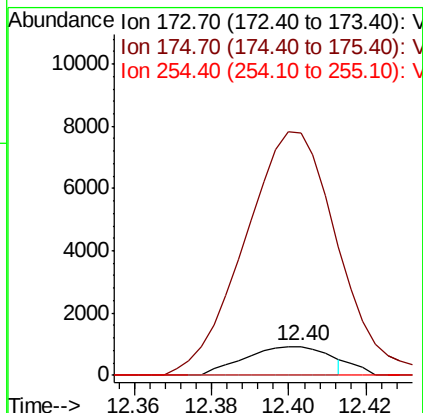
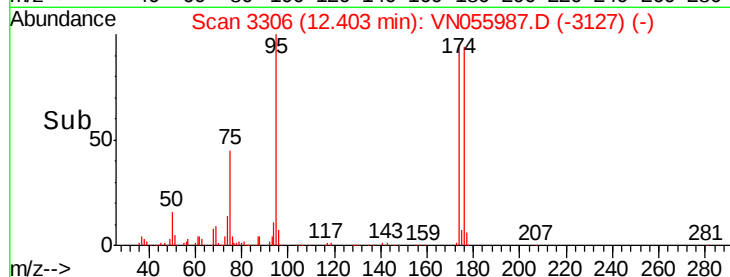
254 0.0 0.0 0.0



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: VN055987.D

Acq: 4 Jun 2019 13:34

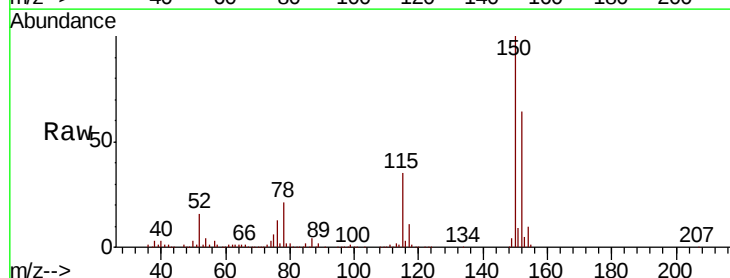
Tgt Ion:152 Resp: 172491

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

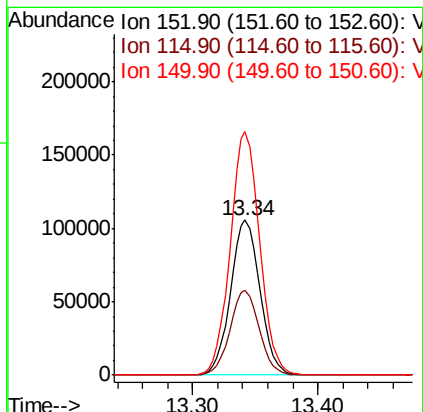
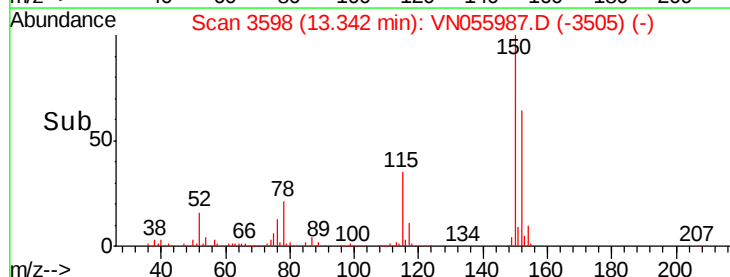
150 155.8 0.0 343.2

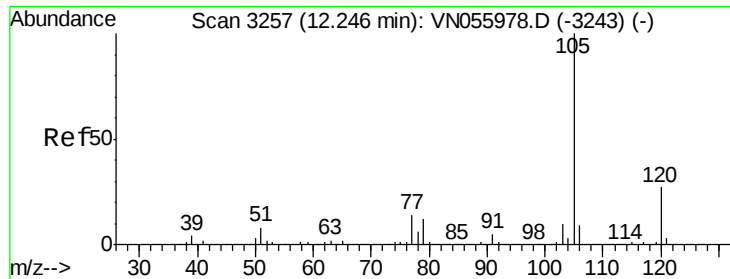


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

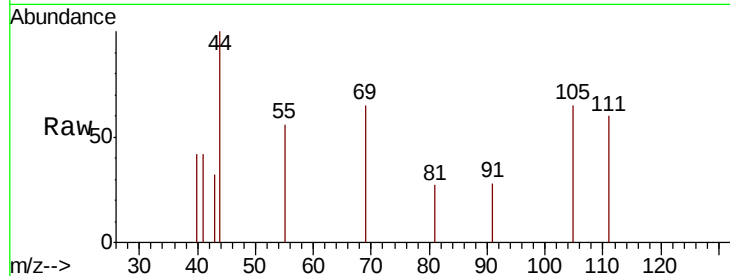
0427-HR-7(HACKENSACK)

Tot Ion:105 Resp: 592

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

400

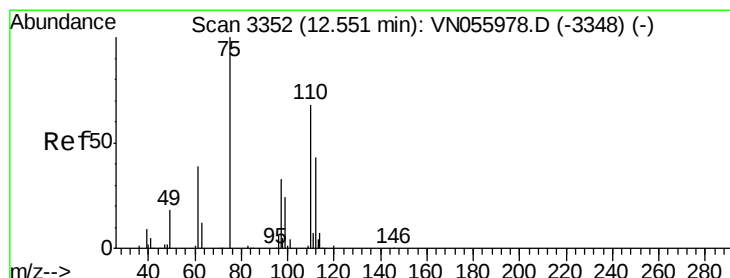
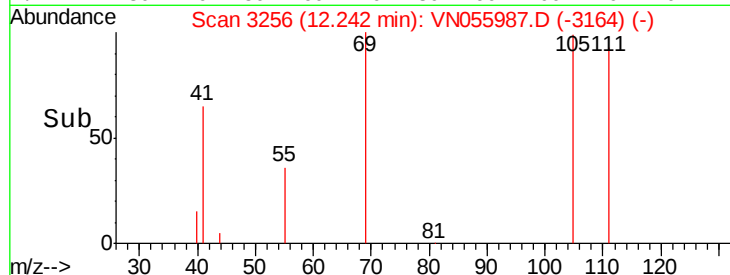
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055987.D

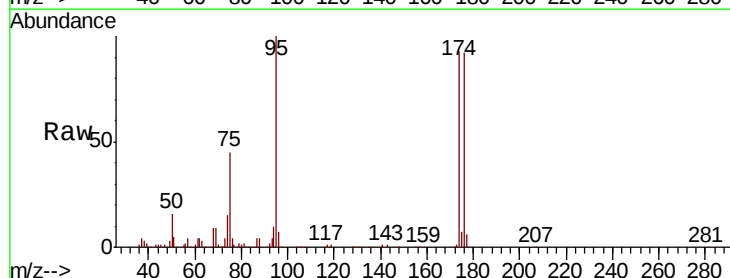
Acq: 4 Jun 2019 13:34

Tgt Ion: 75 Resp: 85197

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

60000

50000

40000

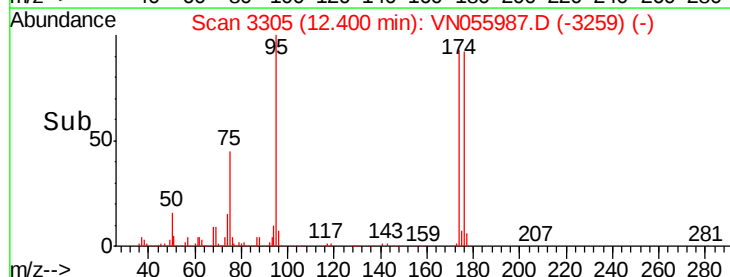
30000

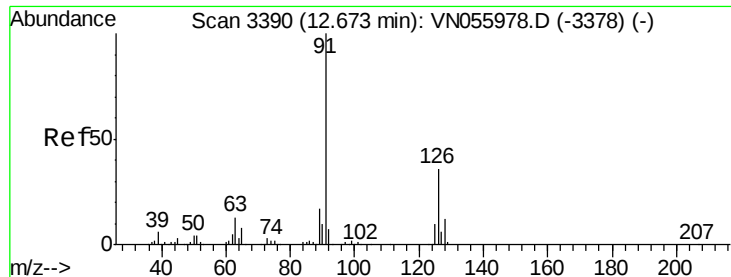
20000

10000

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

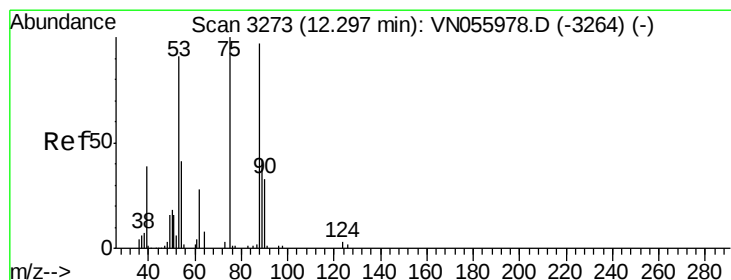
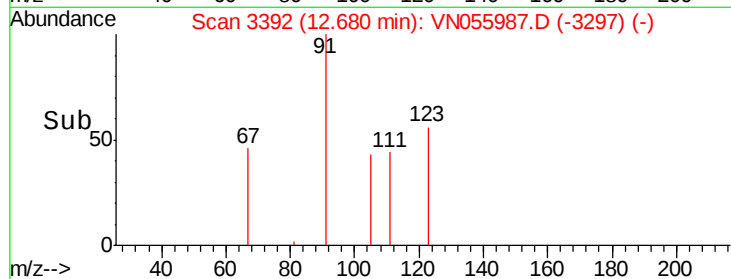
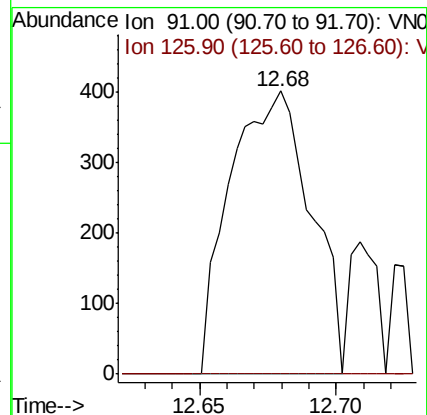
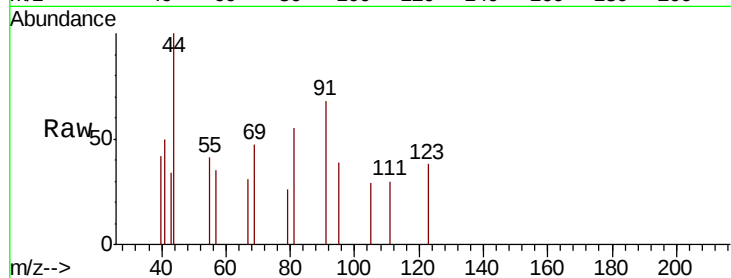
0427-HR-7(HACKENSACK)

Tot Ion: 91 Resp: 826

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

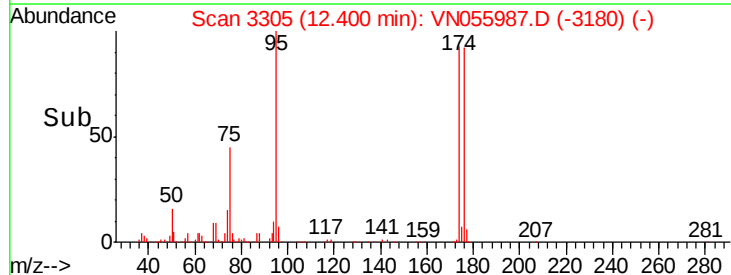
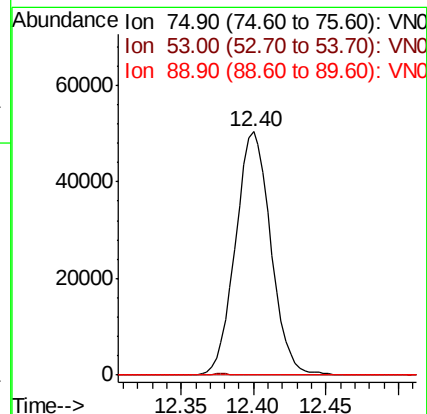
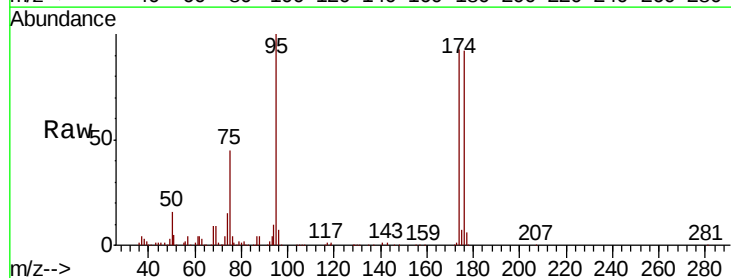
Tgt Ion: 75 Resp: 85197

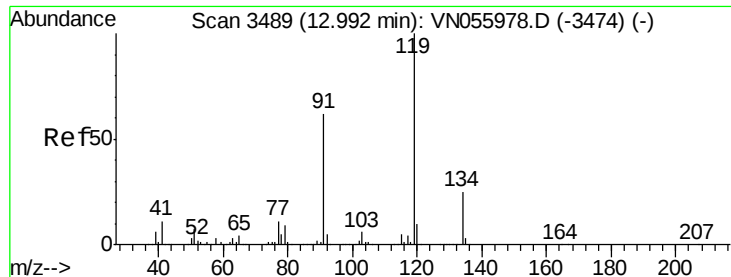
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

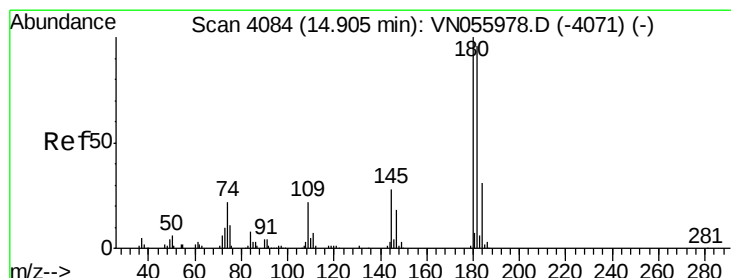
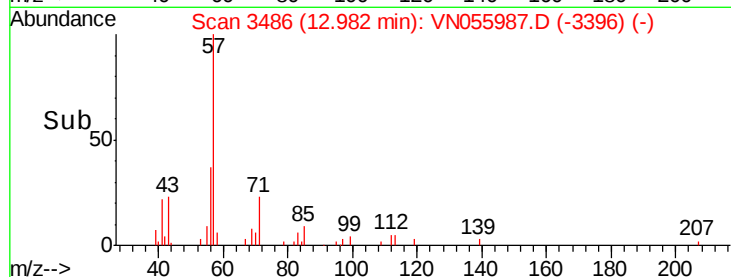
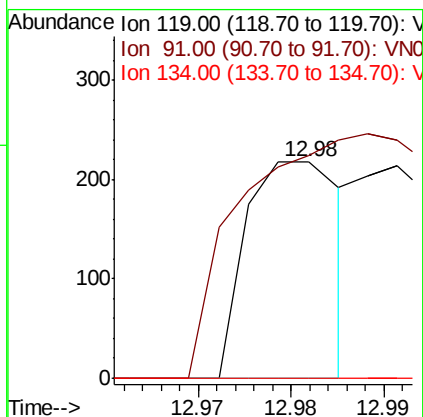
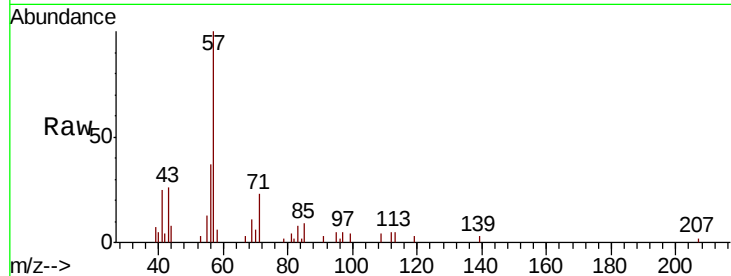




#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.98 min Scan# 3486
Delta R.T. -0.01 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

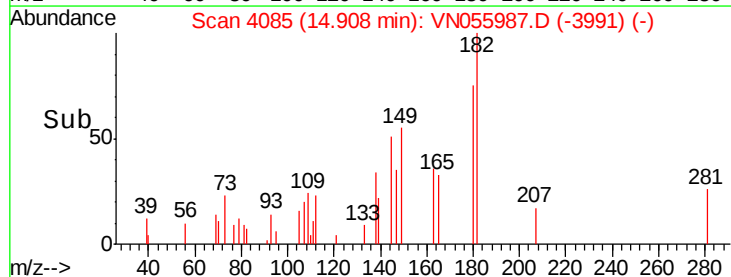
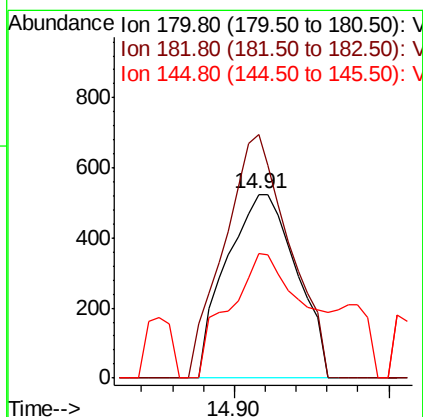
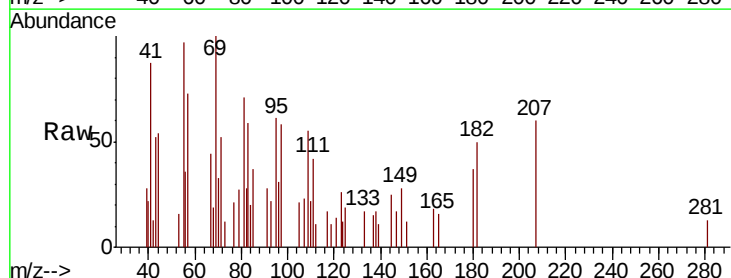
Instrument :
MSVOA_N
ClientSampleId :
0427-HR-7(HACKENSACK)

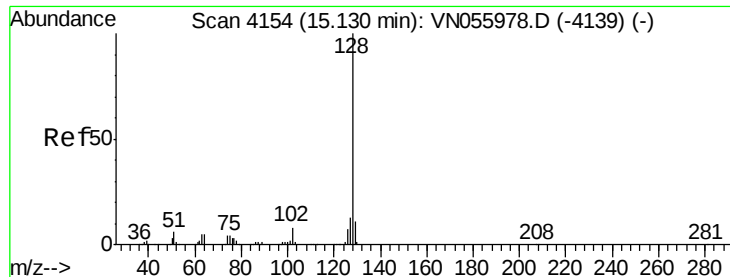
Tot Ion:119 Resp: 155
Ion Ratio Lower Upper
119 100
91 238.1 30.9 92.8#
134 0.0 13.3 39.8#



#93
1,2,4-Trichlorobenzene
Concen: 4.508 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055987.D
Acq: 4 Jun 2019 13:34

Tgt Ion:180 Resp: 827
Ion Ratio Lower Upper
180 100
182 123.1 48.3 144.9
145 72.8 14.0 41.9#





#95

Naphthalene

Concen: 4.351 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

0427-HR-7(HACKENSACK)

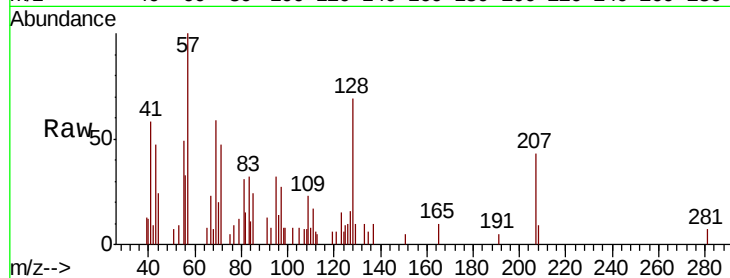
Tot Ion:128 Resp: 4469

Ion Ratio Lower Upper

128 100

127 22.7 10.3 15.5#

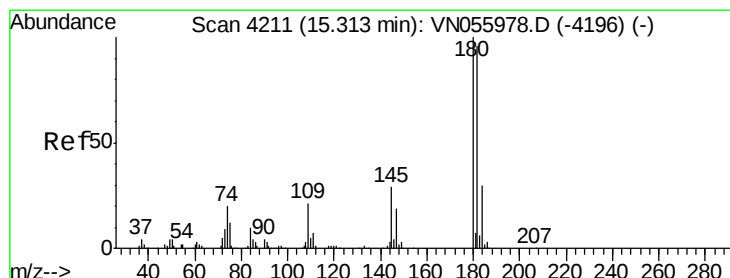
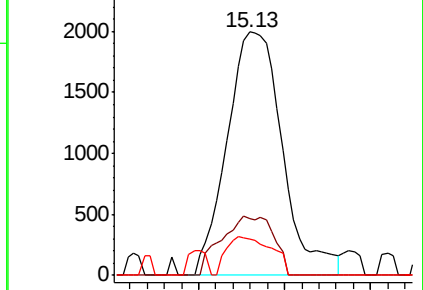
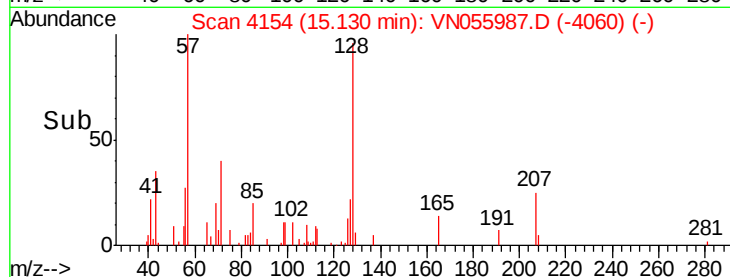
129 12.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.342 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055987.D

Acq: 4 Jun 2019 13:34

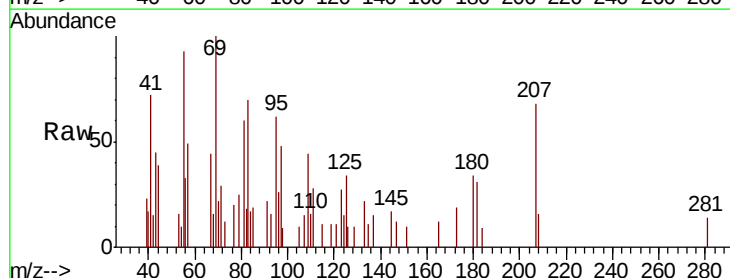
Tgt Ion:180 Resp: 1071

Ion Ratio Lower Upper

180 100

182 82.4 47.9 143.7

145 19.5 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

