

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055561.D
 Acq On : 10 May 2019 19:04
 Operator : JC/SP
 Sample : K2642-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-050919

Quant Time: May 11 01:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	869242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1485542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	439233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	596228	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
35) Dibromofluoromethane	7.59	113	454671	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	10.09	98	1819752	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	553631	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.82	59	540	0.279	ug/l #	73
13) Acrolein	3.61	56	331	0.257	ug/l #	14
16) Acetone	3.83	43	72246	11.922	ug/l	99
18) Methyl Acetate	4.34	43	13973	Below Cal	#	75
20) Methylene Chloride	4.55	84	189271	15.274	ug/l	98
25) 2-Butanone	6.86	43	10424	1.245	ug/l	96
29) Tetrahydrofuran	7.23	42	3973	0.718	ug/l #	77
30) Chloroform	7.37	83	4536	0.230	ug/l	93
31) Cyclohexane	7.67	56	17555	0.831	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	68516	4.682	ug/l #	50
38) Carbon Tetrachloride	7.67	117	81428	6.608	ug/l #	15
40) Benzene	8.04	78	9565	0.211	ug/l	99
43) Isopropyl Acetate	8.17	43	38928	1.605	ug/l	99
48) Methyl methacrylate	9.18	41	23006	1.969	ug/l #	16
49) 1,4-Dioxane	9.27	88	326	1.431	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	14695	0.921	ug/l #	85
52) Toluene	10.15	92	16060	0.618	ug/l	94
54) cis-1,3-Dichloropropene	9.91	75	132219	7.994	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	29258	1.566	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.90	63	340	12.573	ug/l #	52
59) 2-Hexanone	10.77	43	448053	40.052	ug/l #	54
68) m/p-Xylenes	11.62	106	10533	0.603	ug/l	100
69) o-Xylene	11.95	106	8700	0.506	ug/l	95
70) Styrene	11.97	104	10457	0.380	ug/l	98
71) Bromoform	12.40	173	4533	0.752	ug/l #	1
73) Isopropylbenzene	12.25	105	2199	Below Cal		93
74) N-amyl acetate	11.88	43	39810	2.387	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.54	83	65	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	275090	23.006	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	20689	0.589	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	275090	84.888	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	39578	1.228	ug/l	99
89) n-Butylbenzene	13.54	91	17505	0.693	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.91	180	186	3.232	ug/l #	1

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OK-03-050919

Quant Time: May 11 01:00:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

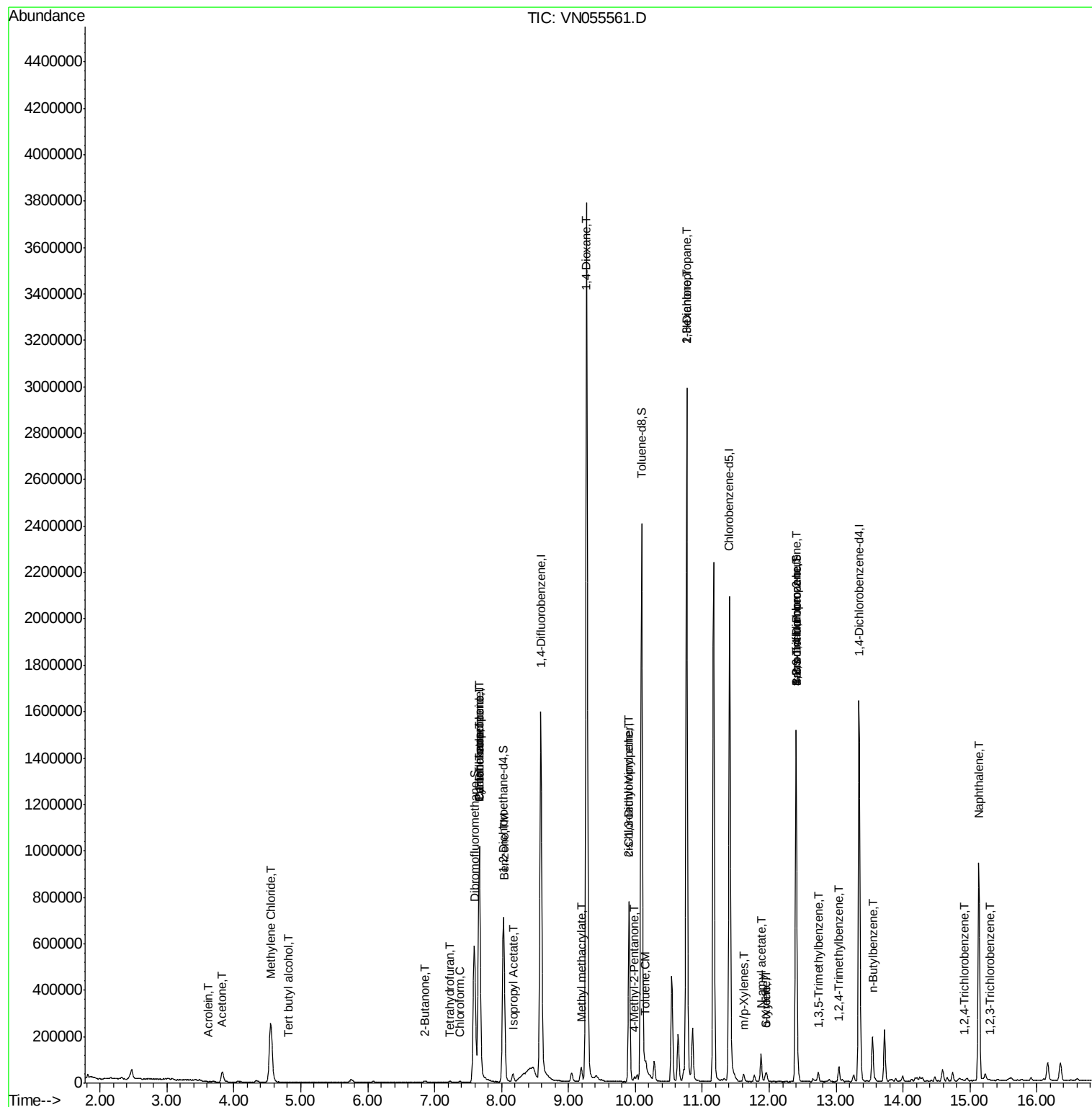
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	798801	43.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	105	2.437	ug/l #	1

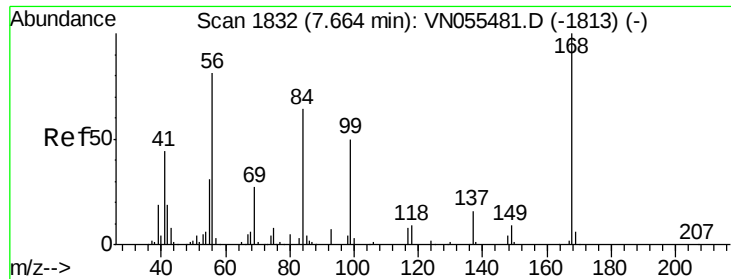
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

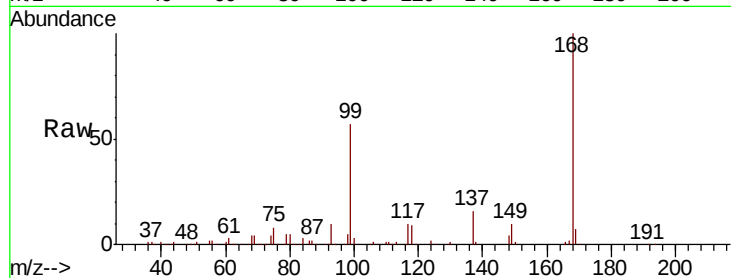
OK-03-050919

Tot Ion:168 Resp: 869242

Ion Ratio Lower Upper

168 100

99 57.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

200000

100000

0

Time-->

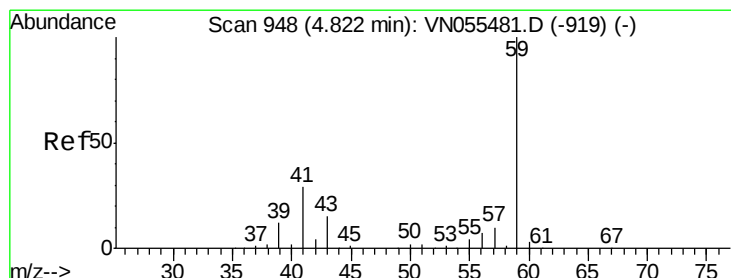
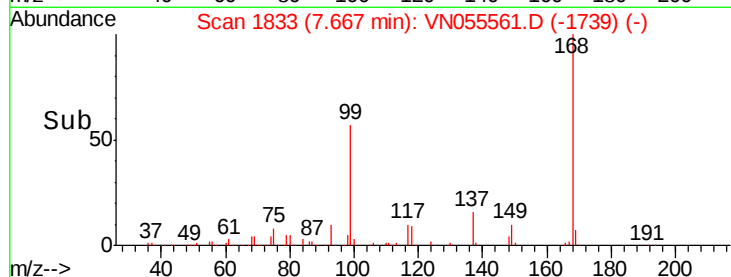
7.50

7.60

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 0.279 ug/l

RT: 4.82 min Scan# 946

Delta R.T. -0.01 min

Lab File: VN055561.D

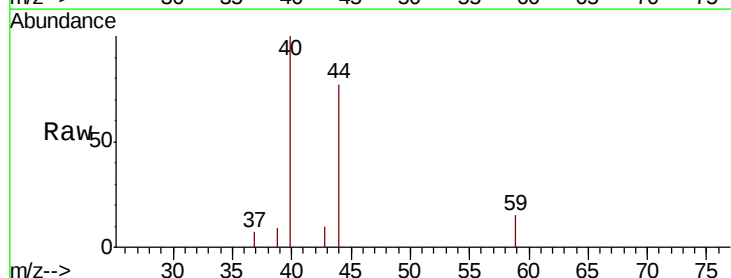
Acq: 10 May 2019 19:04

Tgt Ion: 59 Resp: 540

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.82

400

300

200

100

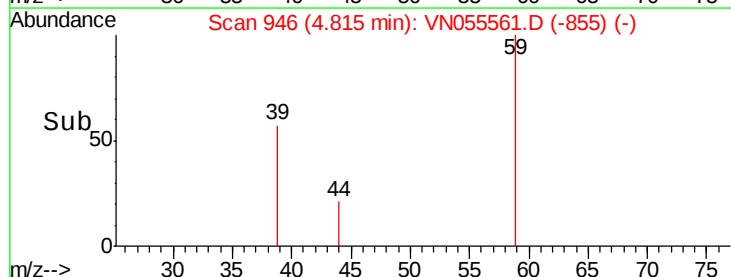
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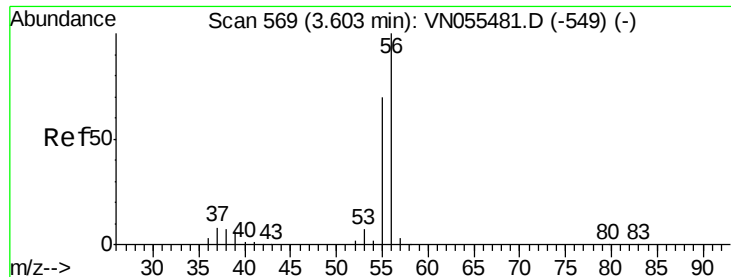
Time-->

4.80

4.82

4.84





#13

Acrolein

Concen: 0.257 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

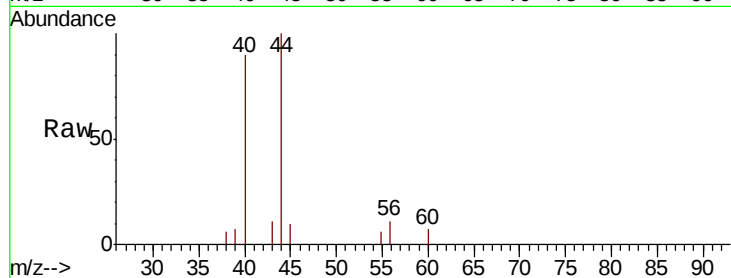
OK-03-050919

Tot Ion: 56 Resp: 331

Ion Ratio Lower Upper

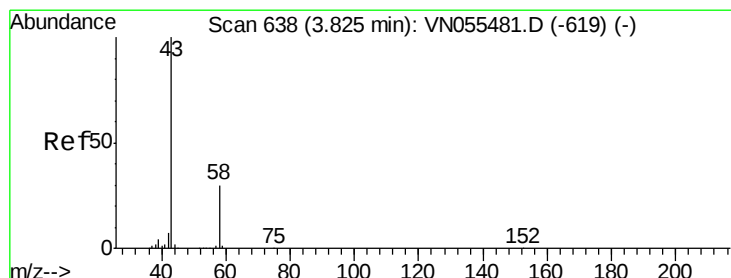
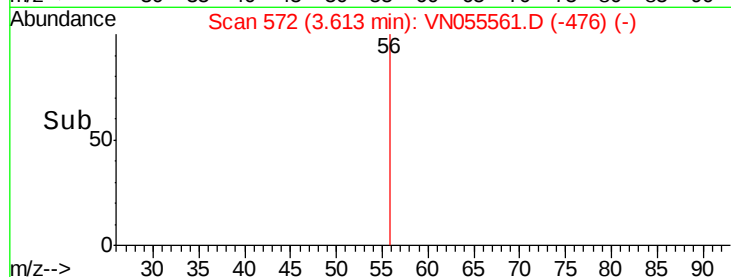
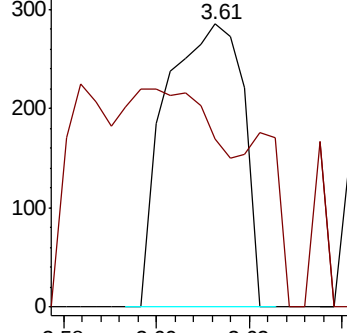
56 100

55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 11.922 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055561.D

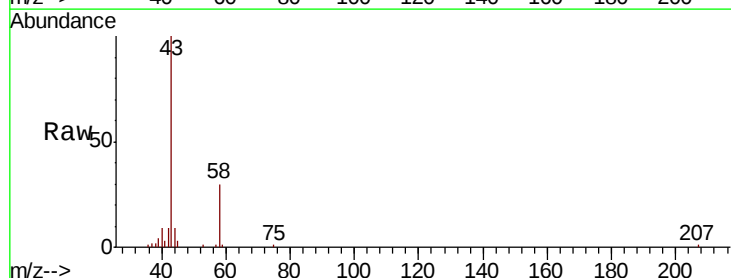
Acq: 10 May 2019 19:04

Tgt Ion: 43 Resp: 72246

Ion Ratio Lower Upper

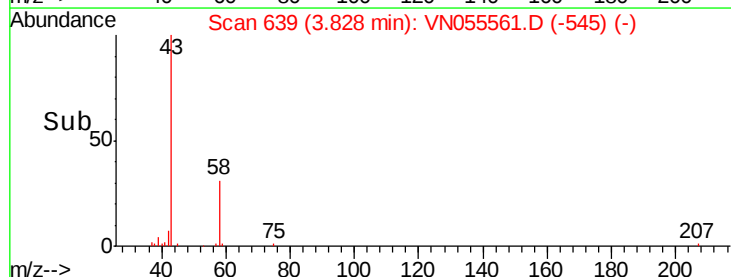
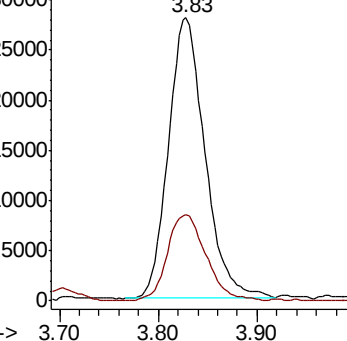
43 100

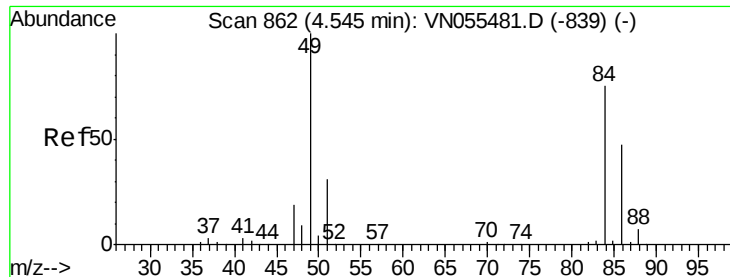
58 30.7 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

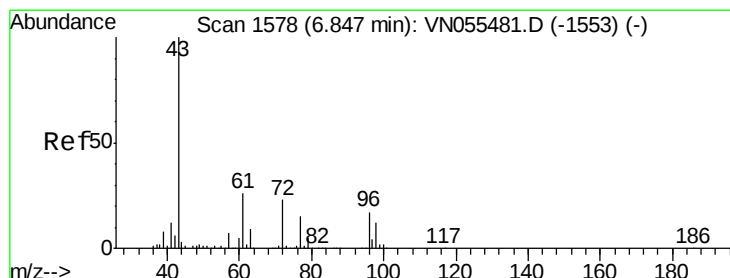
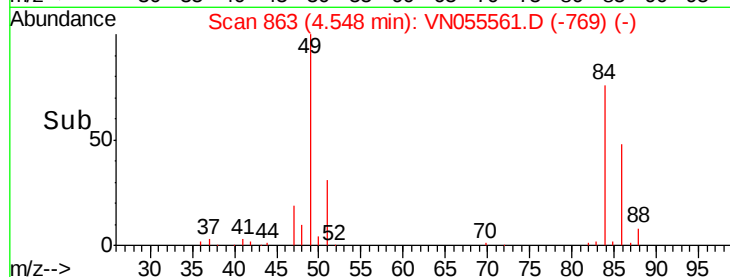
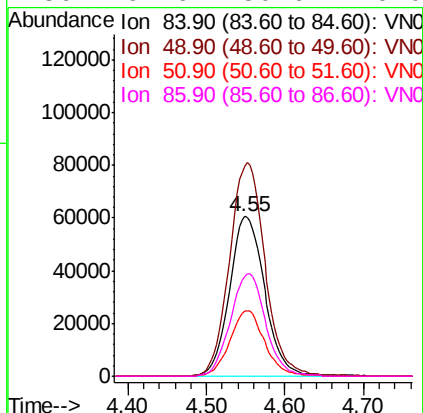
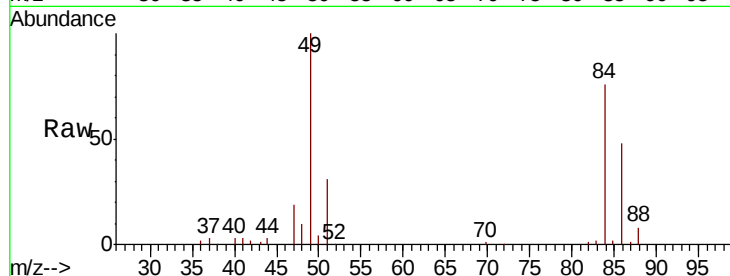




#20
Methvlene Chloride
Concen: 15.274 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

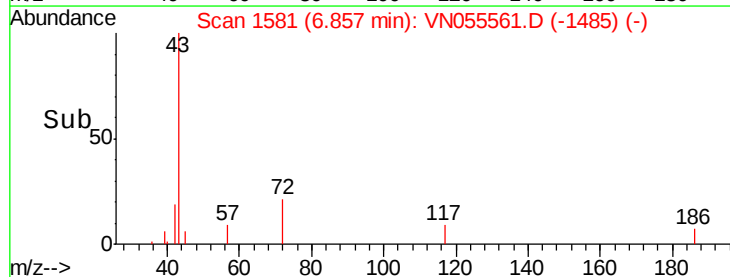
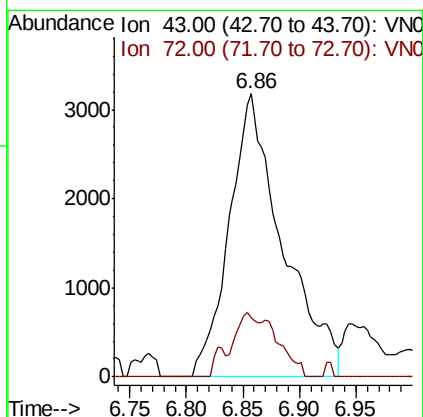
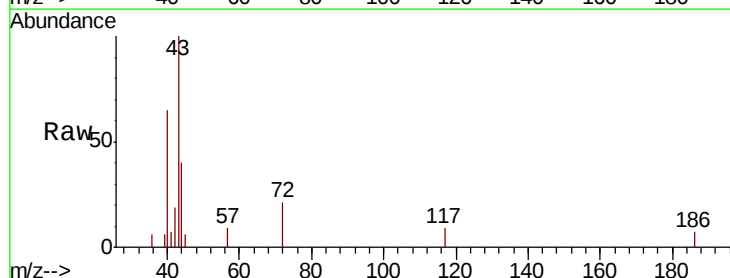
Instrument :
MSVOA_N
ClientSampleId :
OK-03-050919

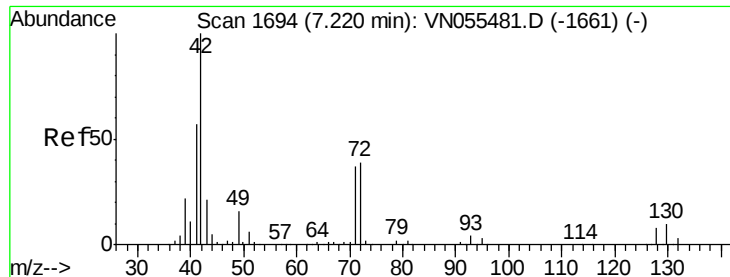
Tot Ion:	84	Resp:	189271
Ion	Ratio	Lower	Upper
84	100		
49	131.2	107.0	160.6
51	40.8	33.0	49.4
86	62.6	50.6	76.0



#25
2-Butanone
Concen: 1.245 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion:	43	Resp:	10424
Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.6	27.8





#29

Tetrahydrofuran

Concen: 0.718 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

OK-03-050919

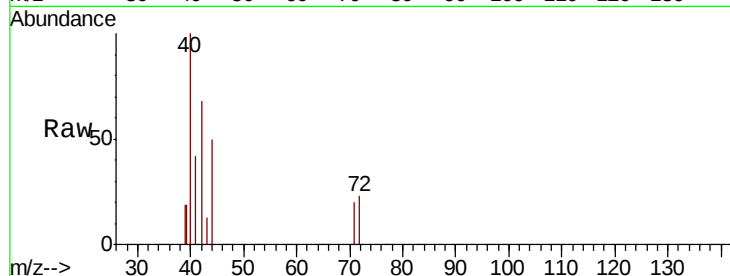
Tot Ion: 42 Resp: 3973

Ion Ratio Lower Upper

42 100

72 19.7 31.0 46.6#

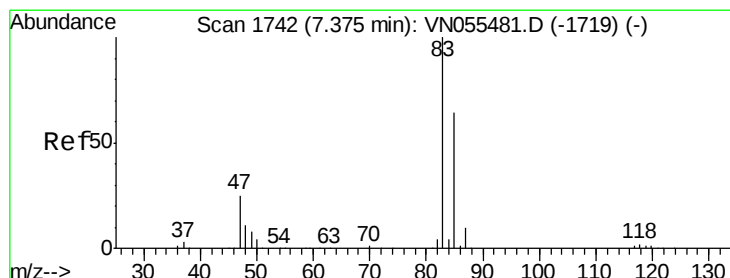
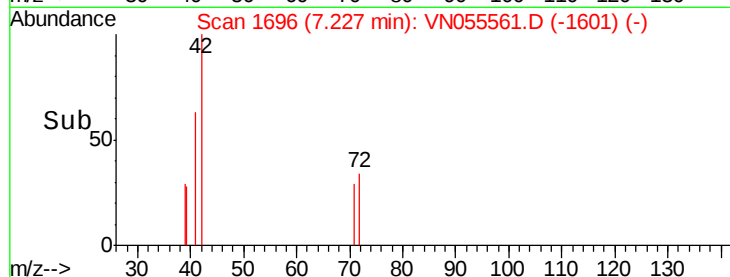
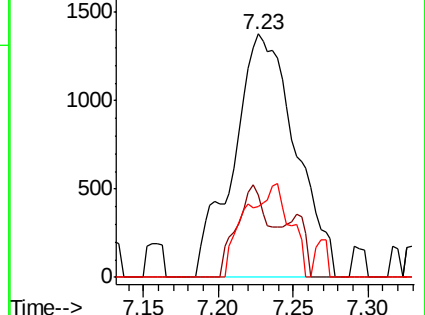
71 27.9 29.4 44.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.230 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055561.D

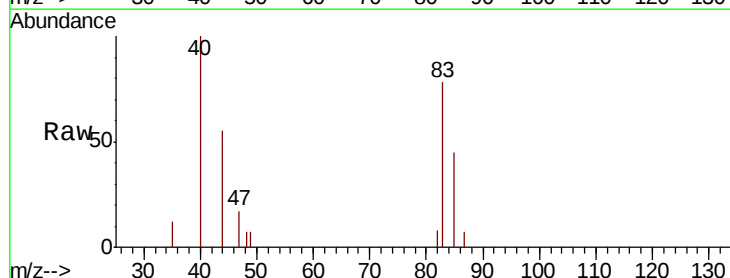
Acq: 10 May 2019 19:04

Tgt Ion: 83 Resp: 4536

Ion Ratio Lower Upper

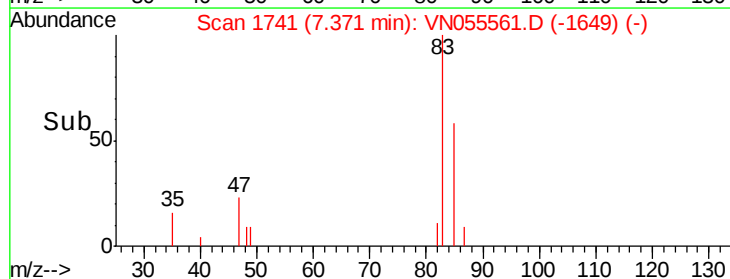
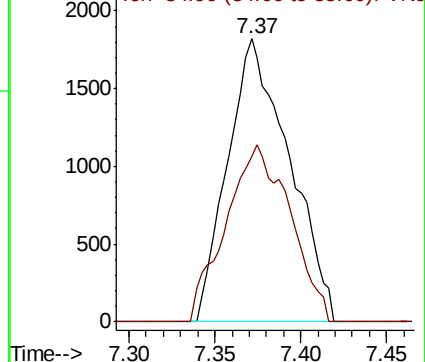
83 100

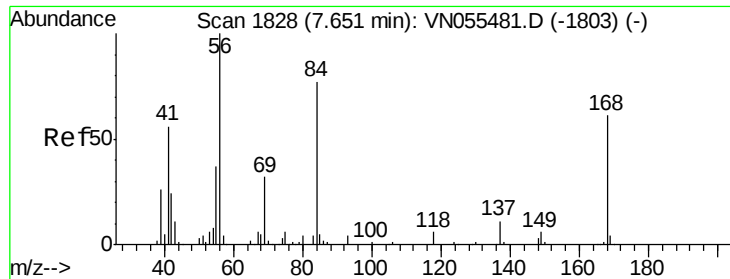
85 58.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

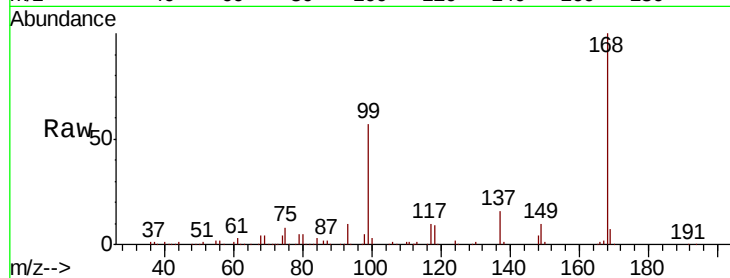




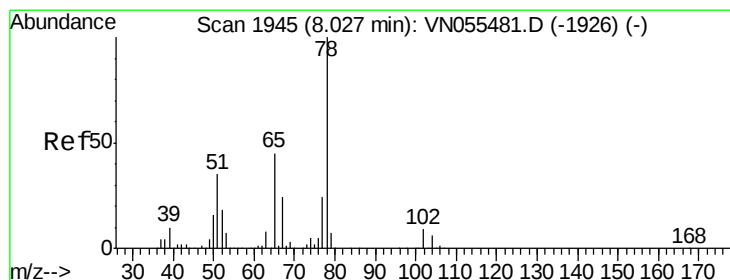
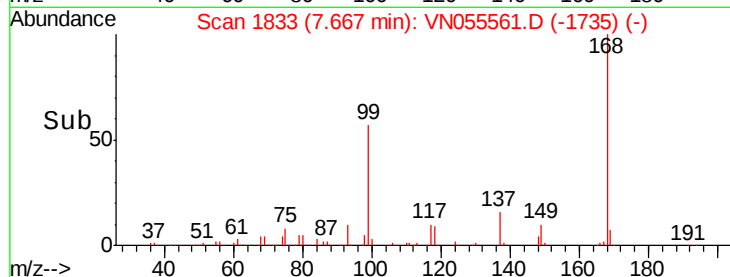
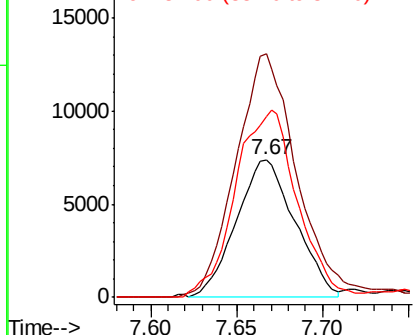
#31
Cyclohexane
Concen: 0.831 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Instrument :
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OK-03-050919

Tot Ion: 56 Resp: 17555
Ion Ratio Lower Upper
56 100
69 173.4 26.0 39.0#
84 127.4 61.9 92.9#

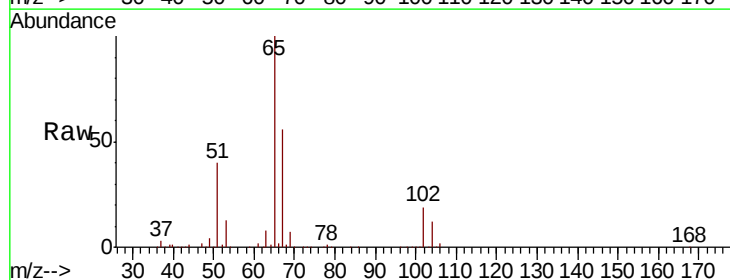


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

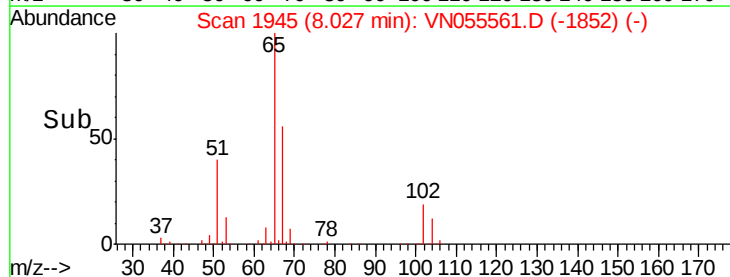
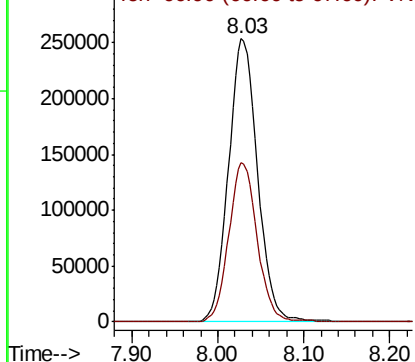


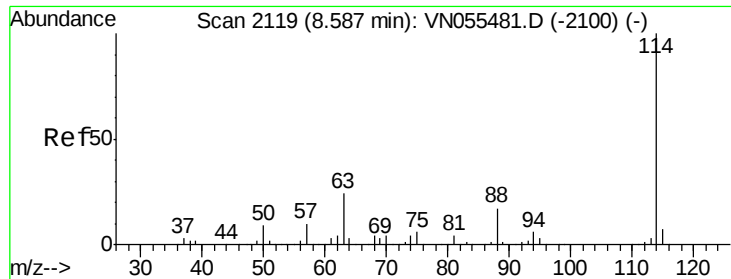
#33
1,2-Dichloroethane-d4
Concen: 45.556 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion: 65 Resp: 596228
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6



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

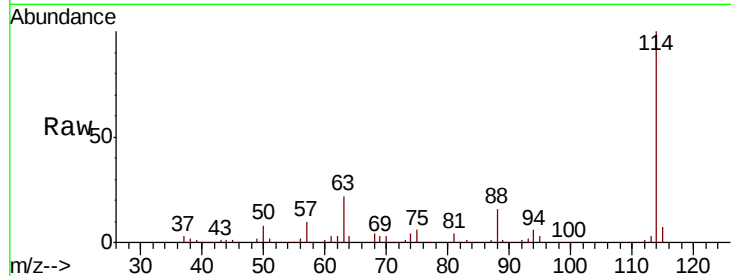




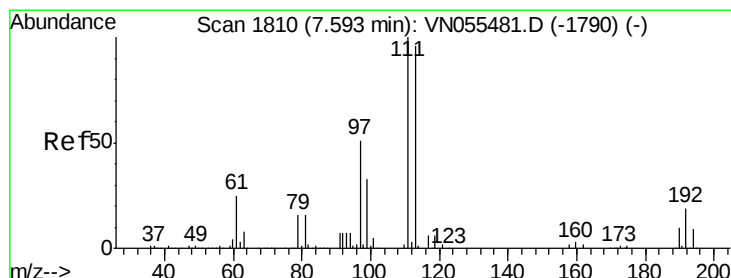
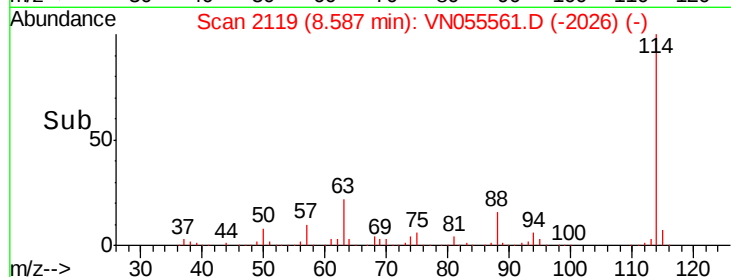
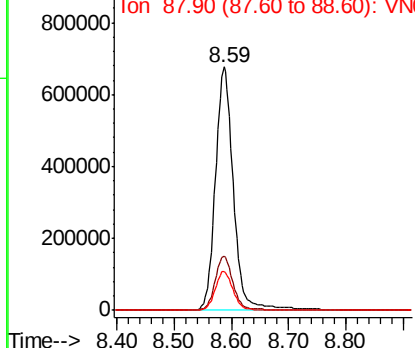
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055561.D
 Acq: 10 May 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-050919

Tot Ion:114 Resp: 1485542
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.4
 88 16.0 0.0 34.0

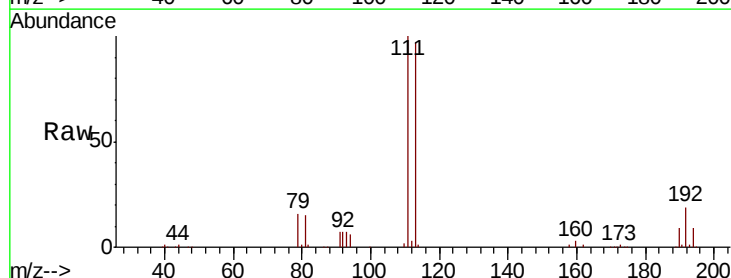


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

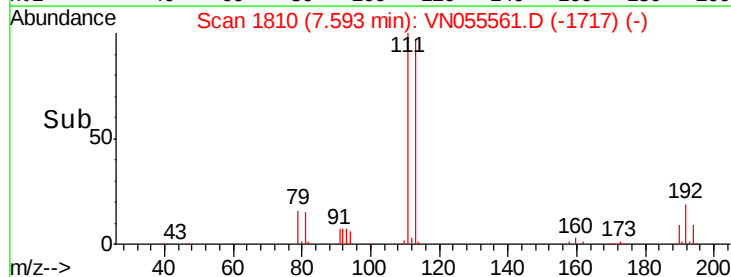
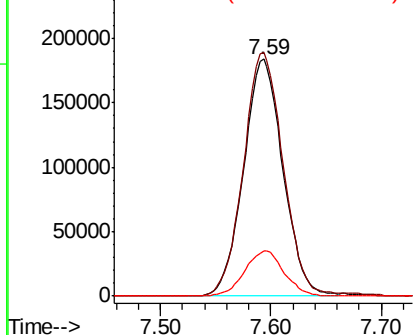


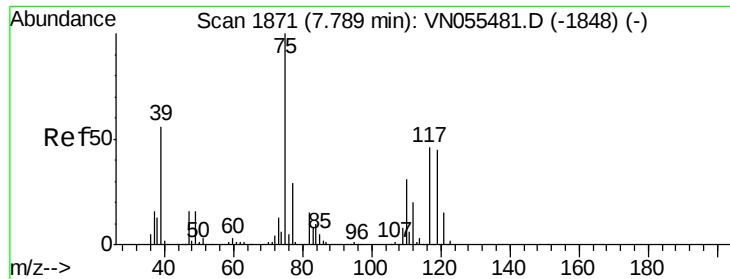
#35
 Dibromofluoromethane
 Concen: 47.446 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055561.D
 Acq: 10 May 2019 19:04

Tgt Ion:113 Resp: 454671
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.9 124.3
 192 19.3 15.6 23.4



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: 4.682 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

OK-03-050919

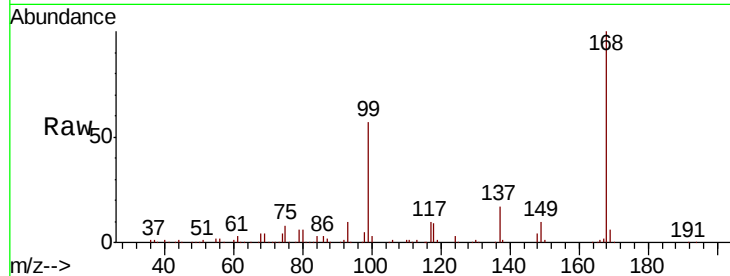
Tot Ion: 75 Resp: 68516

Ion Ratio Lower Upper

75 100

110 7.8 16.1 48.3#

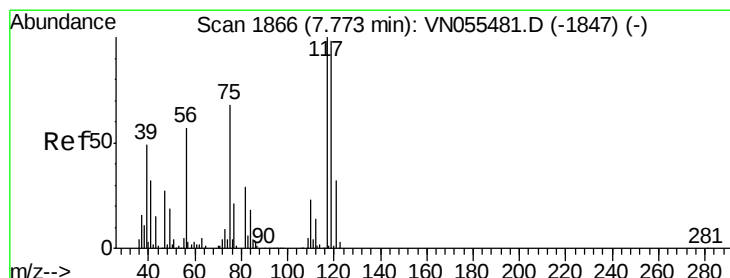
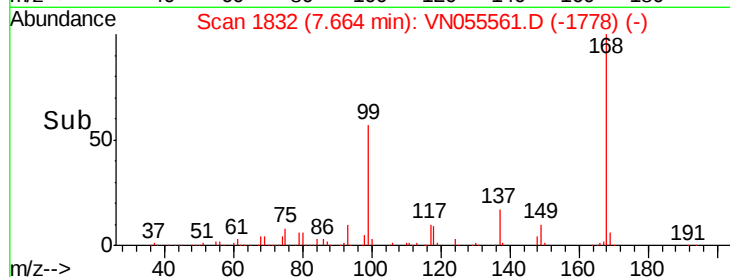
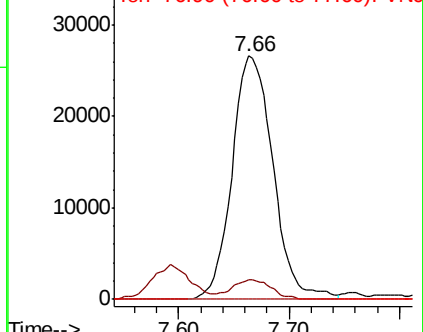
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055561.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055561.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055561.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 6.608 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

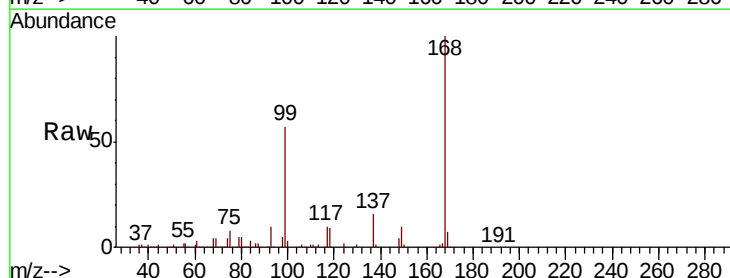
Tgt Ion: 117 Resp: 81428

Ion Ratio Lower Upper

117 100

119 5.1 77.8 116.6#

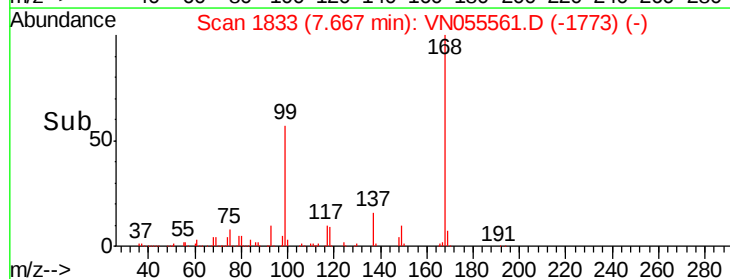
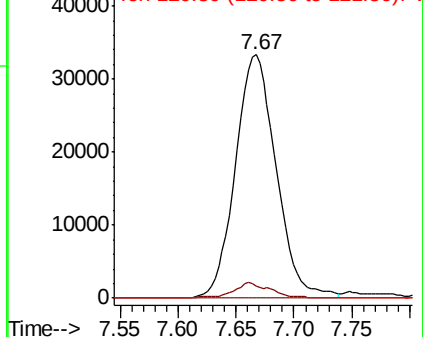
121 0.0 25.2 37.8#

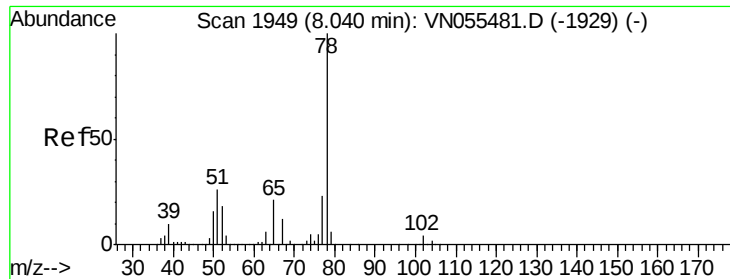


Abundance Ion 116.80 (116.50 to 117.50): VN055561.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055561.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055561.D (-1773) (-)





#40

Benzene

Concen: 0.211 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

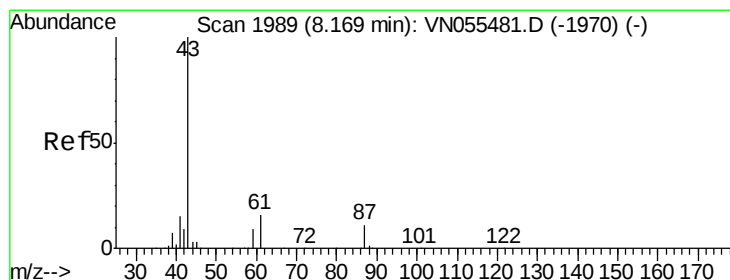
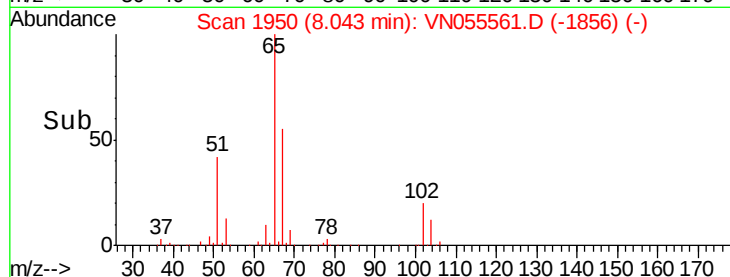
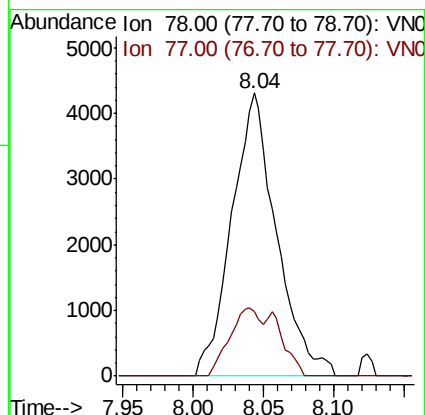
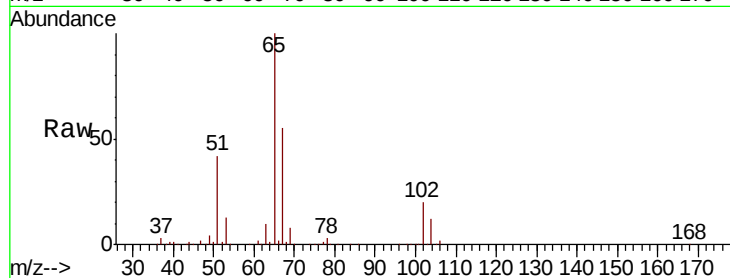
OK-03-050919

Tot Ion: 78 Resp: 9565

Ion Ratio Lower Upper

78 100

77 22.9 18.6 27.8



#43

Isopropyl Acetate

Concen: 1.605 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

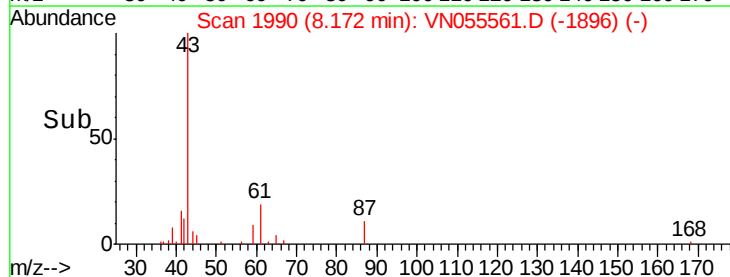
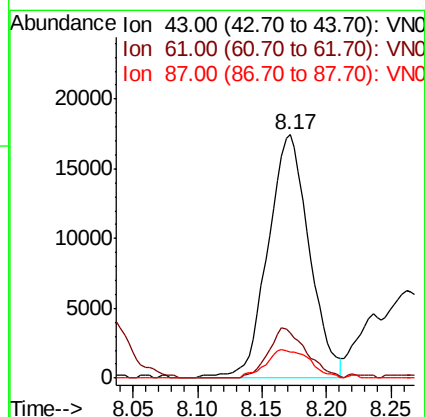
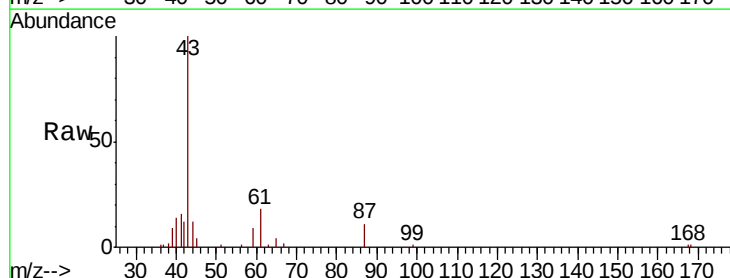
Tgt Ion: 43 Resp: 38928

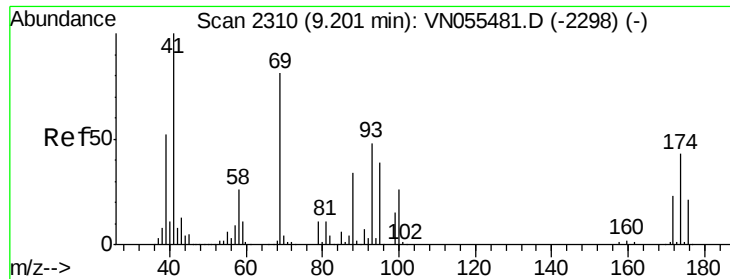
Ion Ratio Lower Upper

43 100

61 18.7 15.1 22.7

87 12.4 9.0 13.6

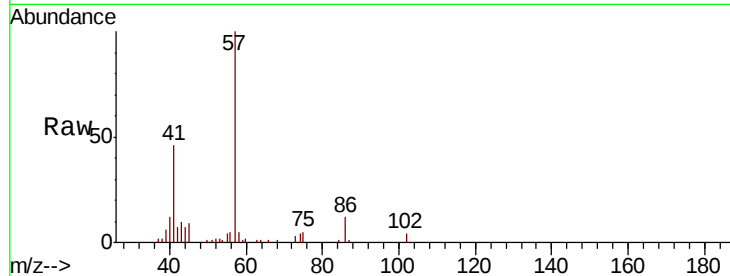




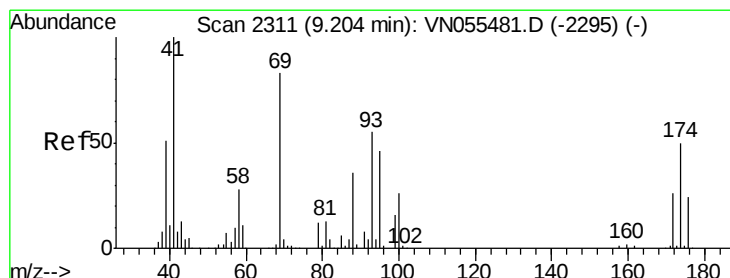
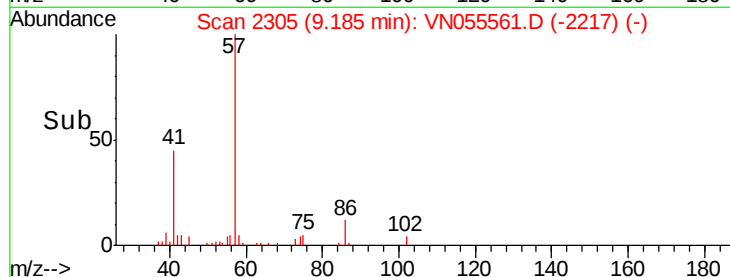
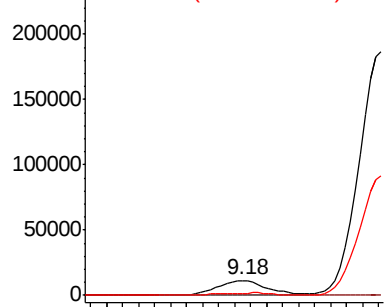
#48
Methyl methacrylate
Concen: 1.969 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
OK-03-050919

Tot Ion: 41 Resp: 23006
Ion Ratio Lower Upper
41 100
69 0.0 64.2 96.2#
39 0.0 41.6 62.4#

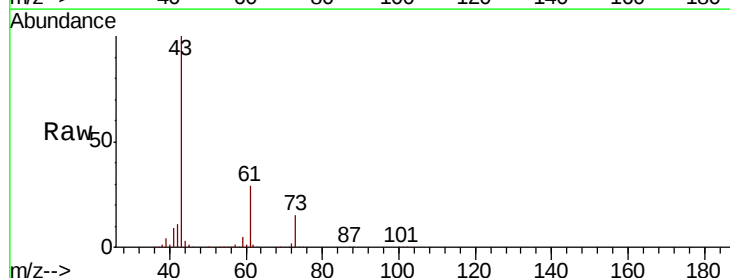


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

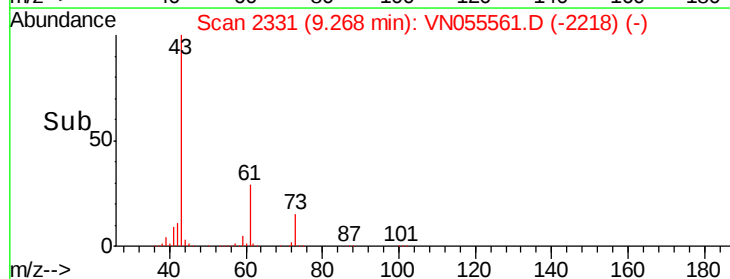
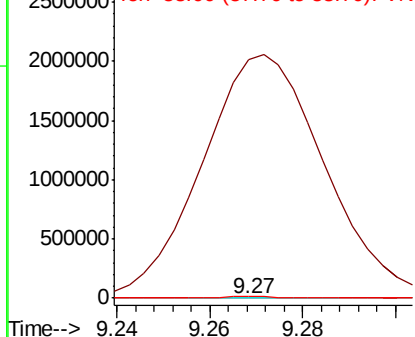


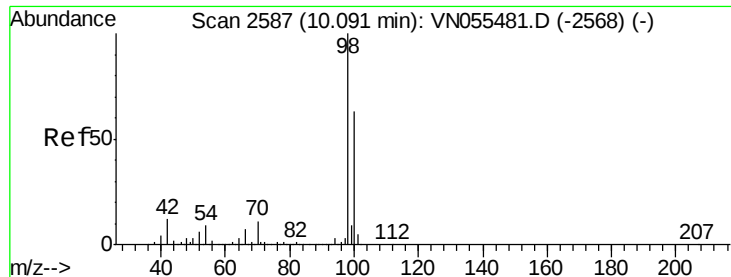
#49
1,4-Dioxane
Concen: 1.431 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.06 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 1184402.8 27.8 41.8#
58 5617.5 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 48.730 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

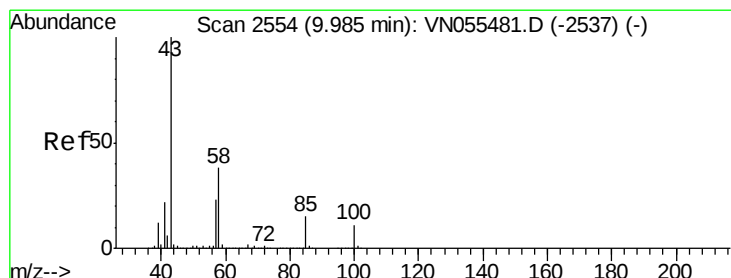
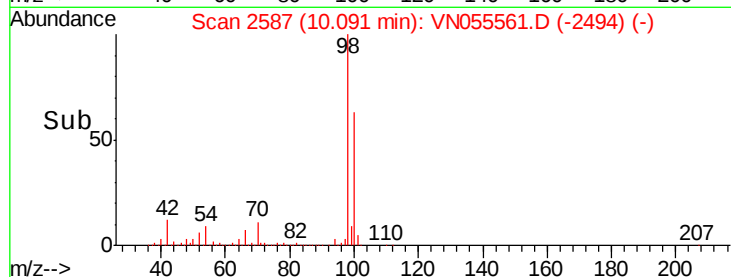
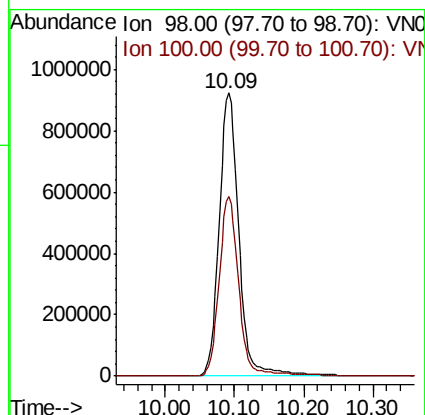
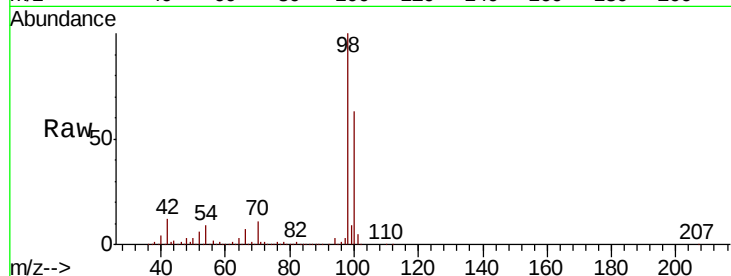
OK-03-050919

Tot Ion: 98 Resp: 1819752

Ion Ratio Lower Upper

98 100

100 62.8 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 0.921 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055561.D

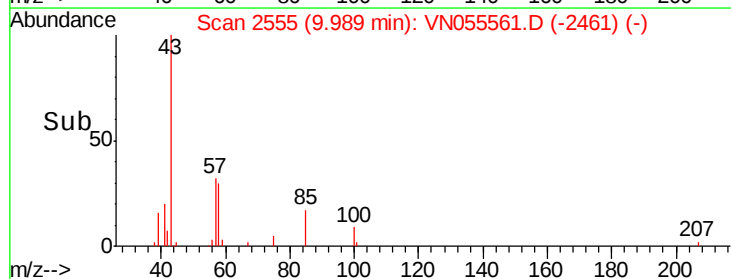
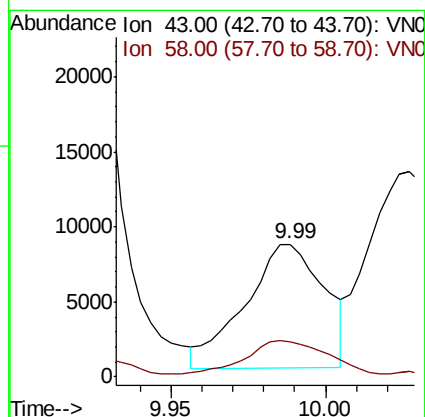
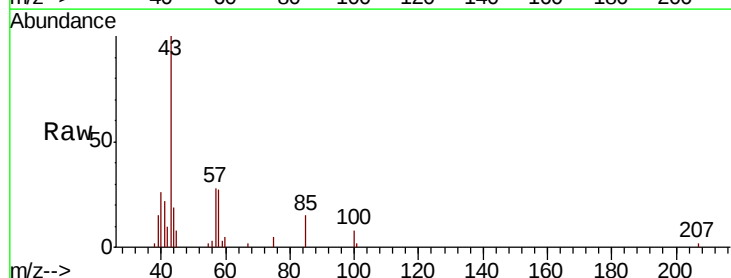
Acq: 10 May 2019 19:04

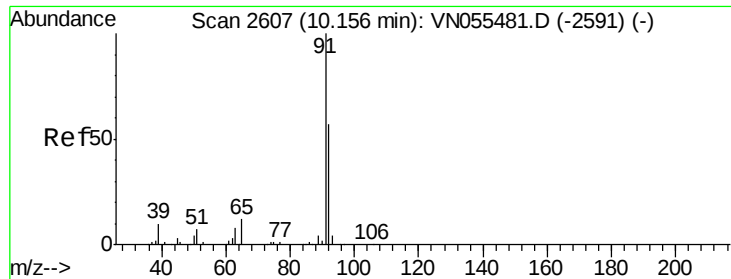
Tgt Ion: 43 Resp: 14695

Ion Ratio Lower Upper

43 100

58 28.7 29.9 44.9#





#52

Toluene

Concen: 0.618 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

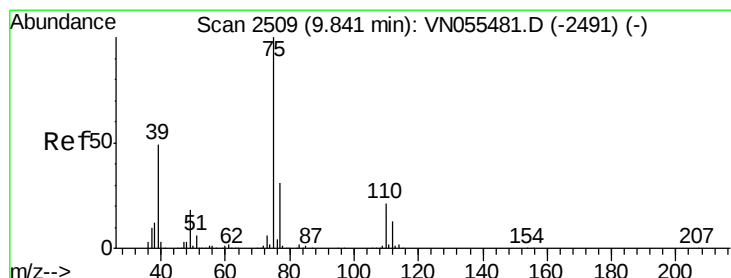
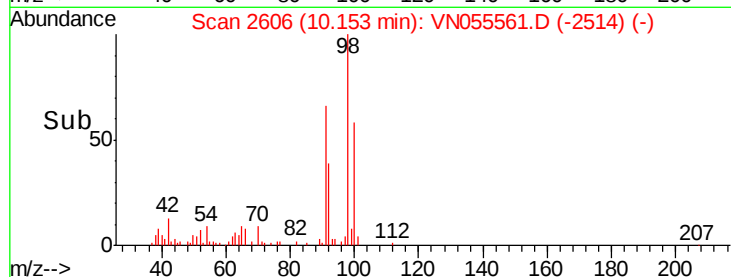
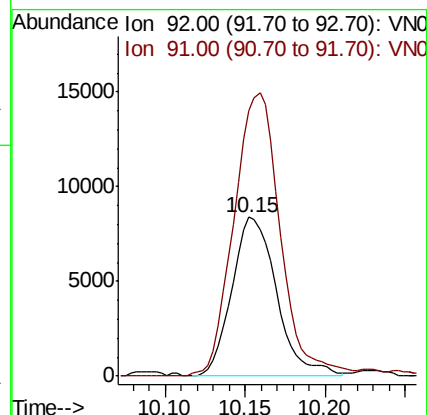
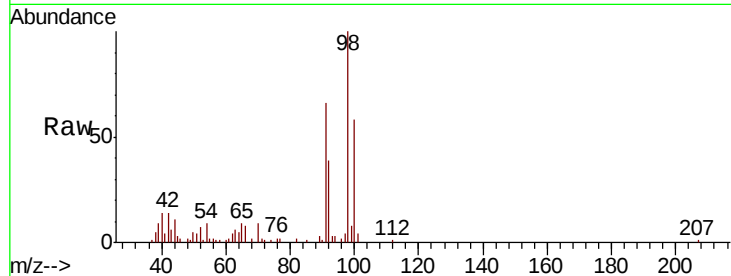
OK-03-050919

Tot Ion: 92 Resp: 16060

Ion Ratio Lower Upper

92 100

91 184.0 140.5 210.7



#54

cis-1,3-Dichloropropene

Concen: 7.994 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

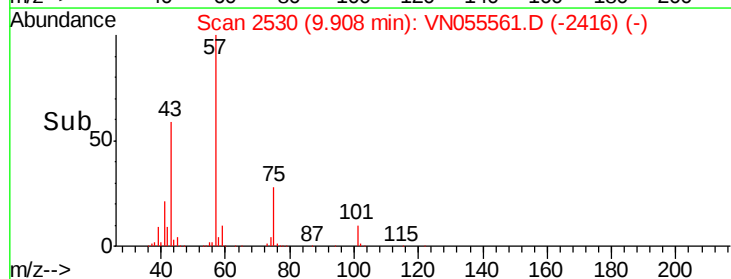
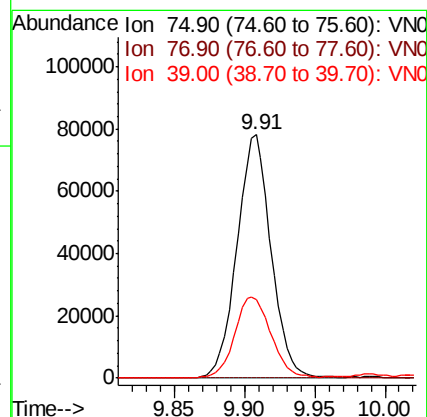
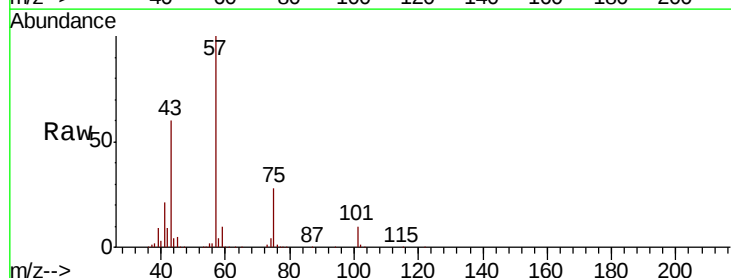
Tgt Ion: 75 Resp: 132219

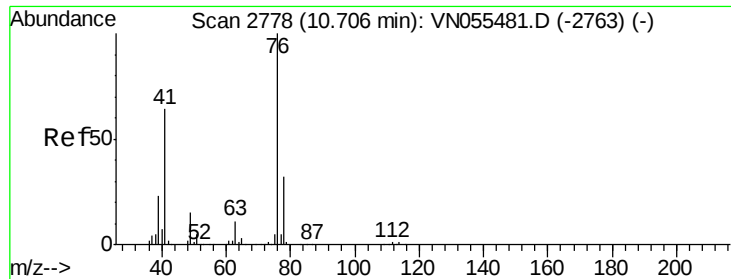
Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

39 32.0 39.5 59.3#





#57

1,3-Dichloropropane

Concen: 1.566 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

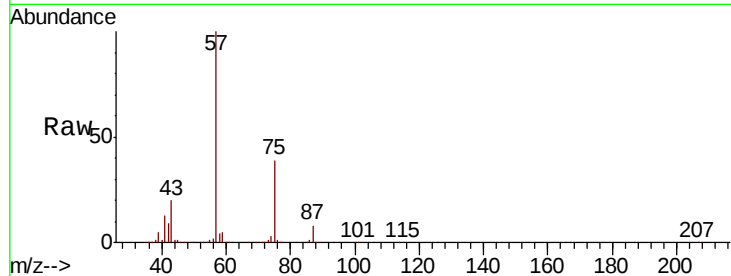
OK-03-050919

Tot Ion: 76 Resp: 29258

Ion Ratio Lower Upper

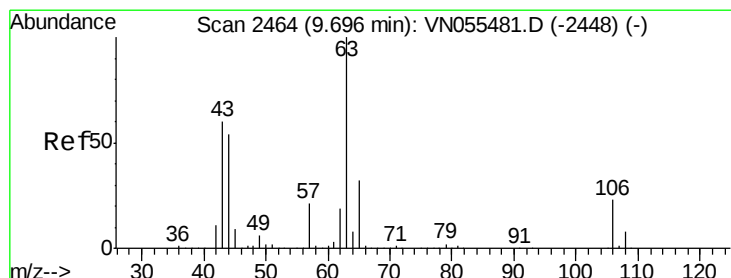
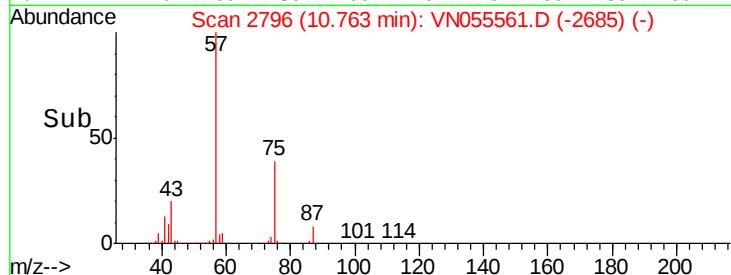
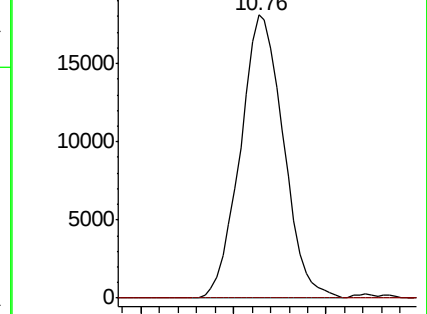
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.573 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.21 min

Lab File: VN055561.D

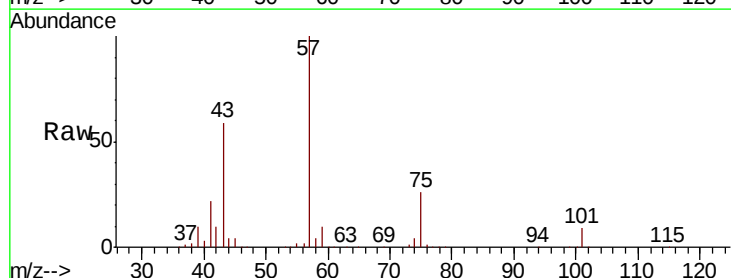
Acq: 10 May 2019 19:04

Tgt Ion: 63 Resp: 340

Ion Ratio Lower Upper

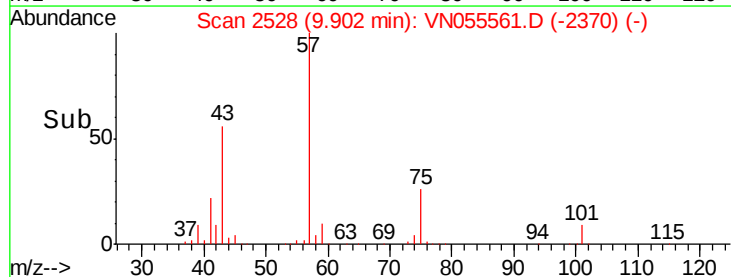
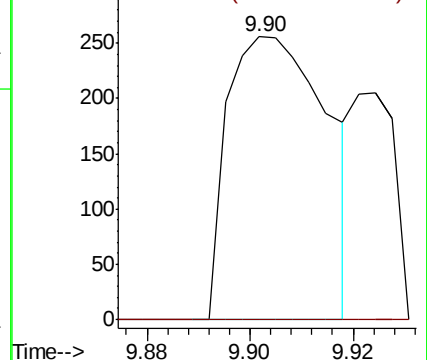
63 100

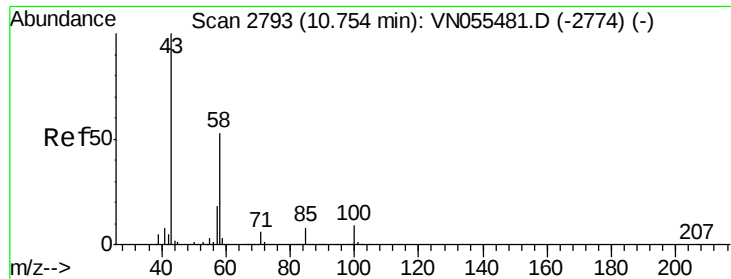
106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 40.052 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

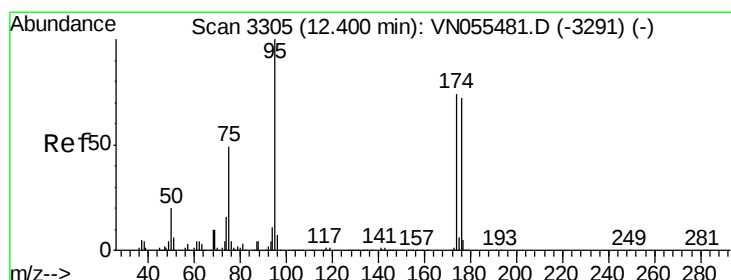
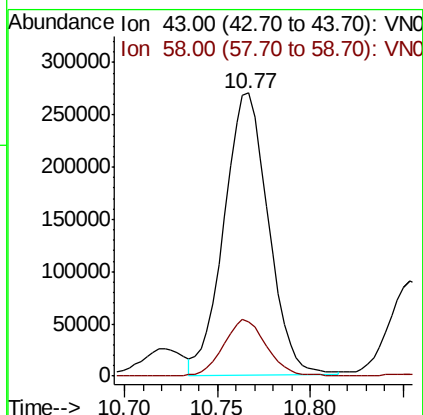
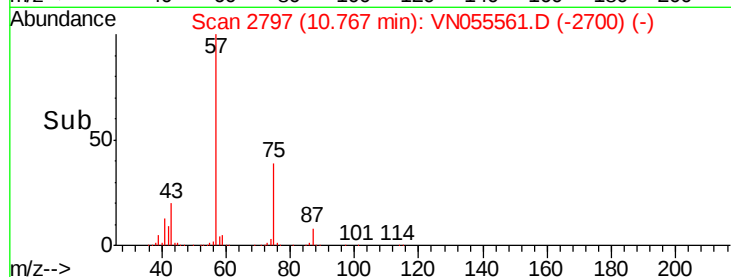
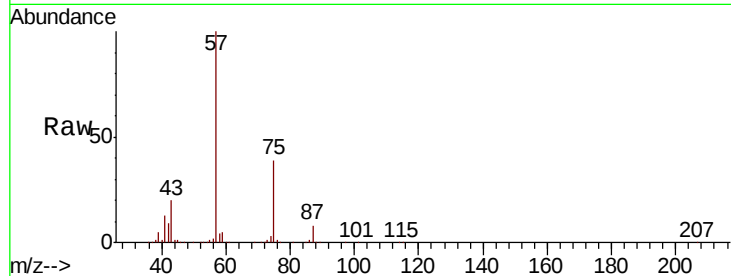
OK-03-050919

Tot Ion: 43 Resp: 448053

Ion Ratio Lower Upper

43 100

58 19.8 26.4 79.0#



#62

4-Bromofluorobenzene

Concen: 43.968 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

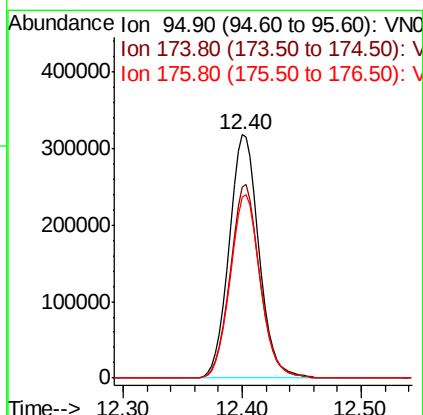
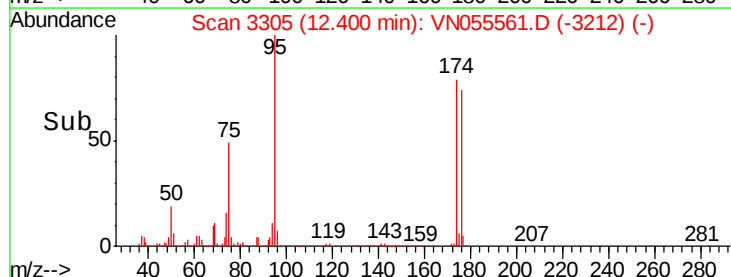
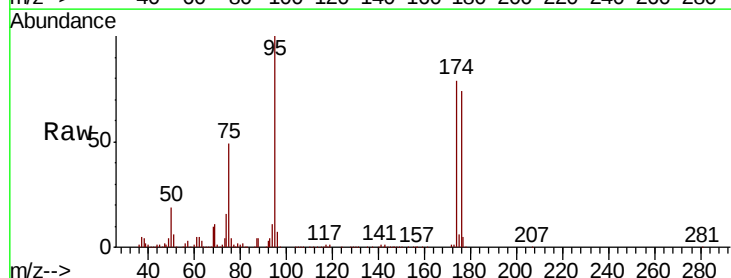
Tgt Ion: 95 Resp: 553631

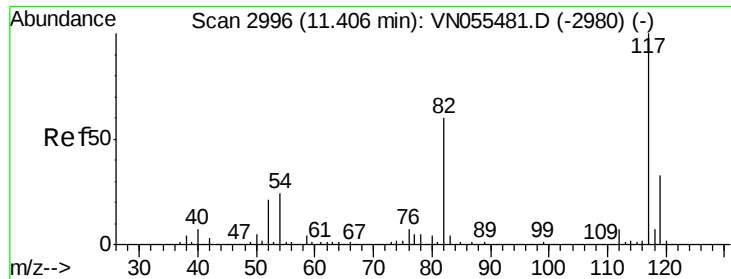
Ion Ratio Lower Upper

95 100

174 78.9 0.0 152.2

176 75.8 0.0 147.8

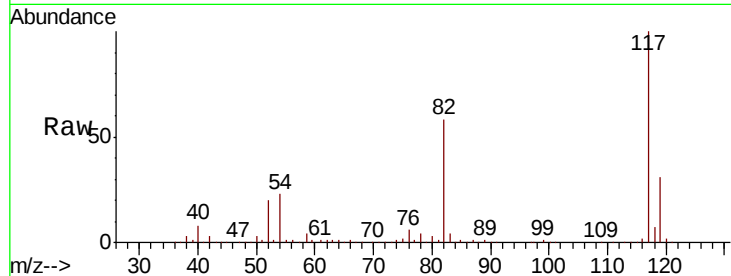




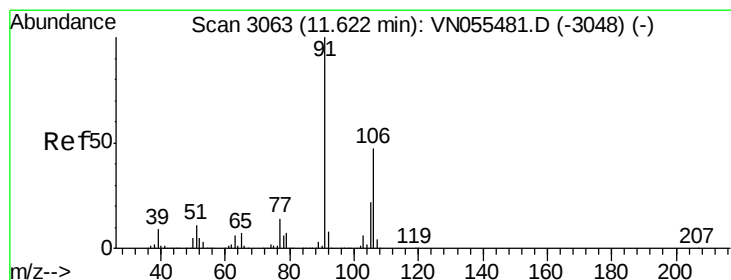
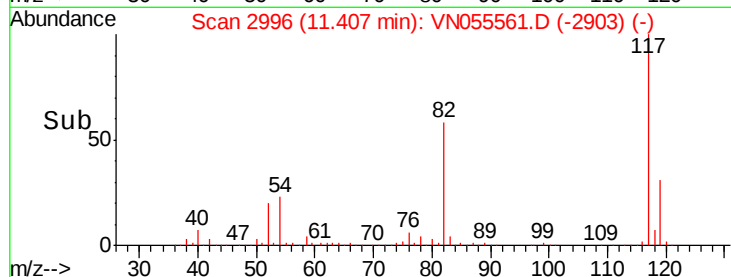
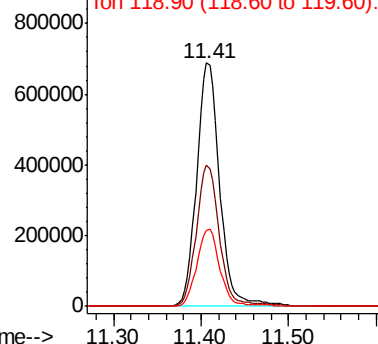
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Instrument :
MSVOA_N
ClientSampleId :
OK-03-050919

Tot Ion:117 Resp: 1260415
Ion Ratio Lower Upper
117 100
82 57.8 48.0 72.0
119 31.4 26.0 39.0

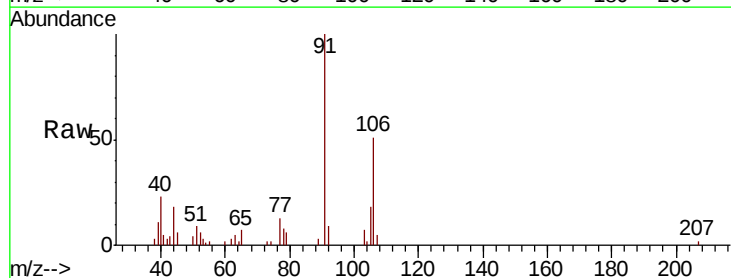


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

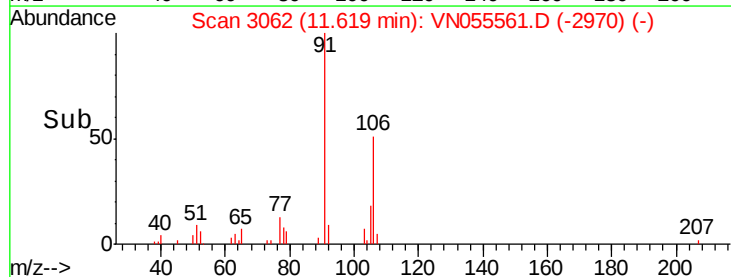
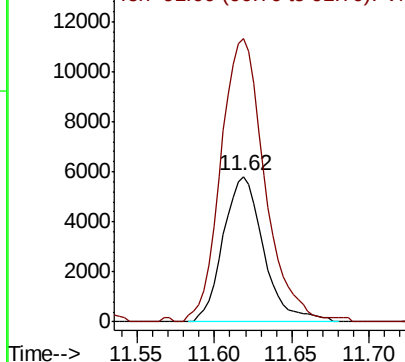


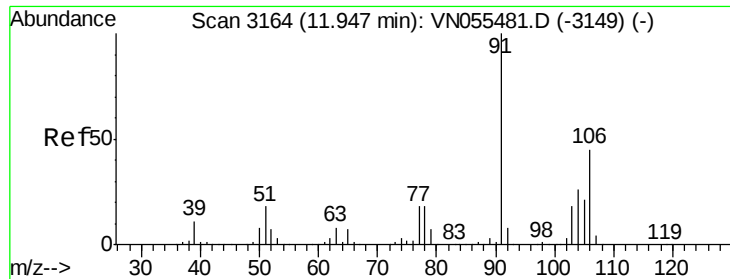
#68
m/p-Xylenes
Concen: 0.603 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion:106 Resp: 10533
Ion Ratio Lower Upper
106 100
91 211.2 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

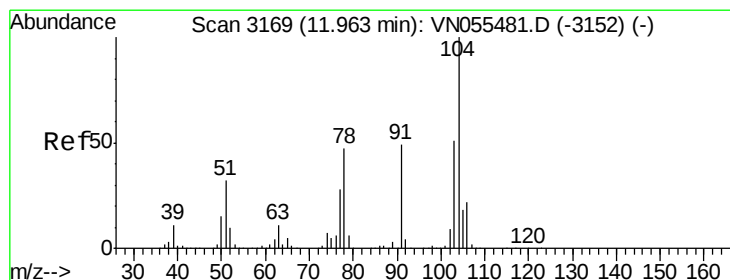
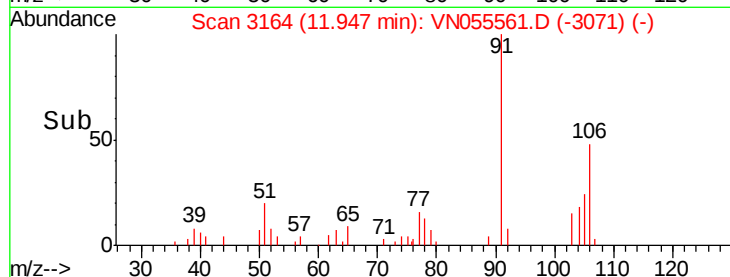
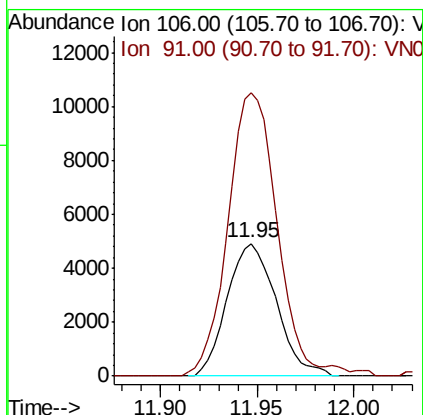
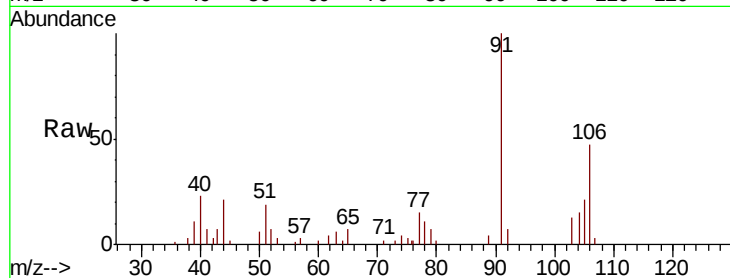




#69
o-Xylene
Concen: 0.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

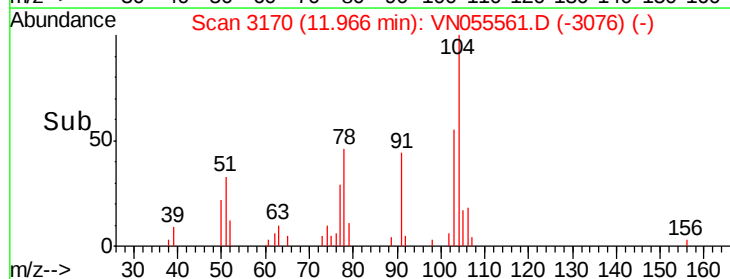
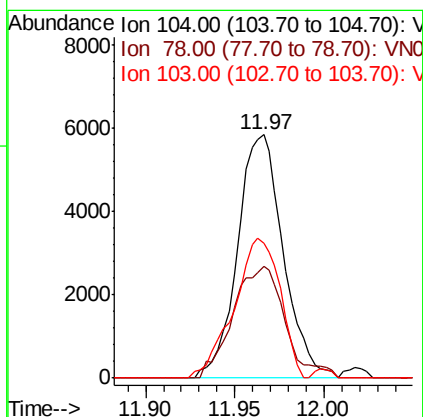
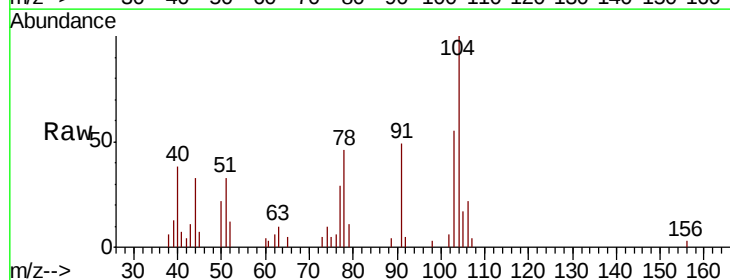
Instrument :
MSVOA_N
ClientSampled :
OK-03-050919

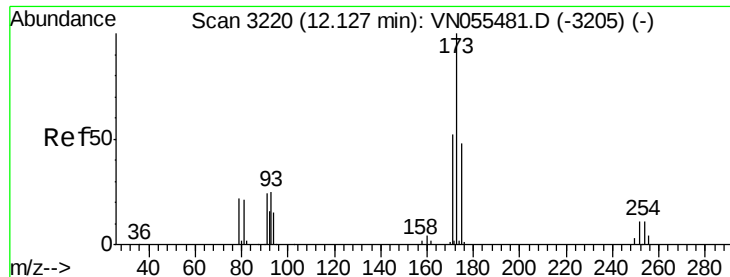
Tot Ion:106 Resp: 8700
Ion Ratio Lower Upper
106 100
91 214.0 111.3 333.8



#70
Styrene
Concen: 0.380 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion:104 Resp: 10457
Ion Ratio Lower Upper
104 100
78 52.3 41.6 62.4
103 58.1 44.4 66.6





#71

Bromoform

Concen: 0.752 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

OK-03-050919

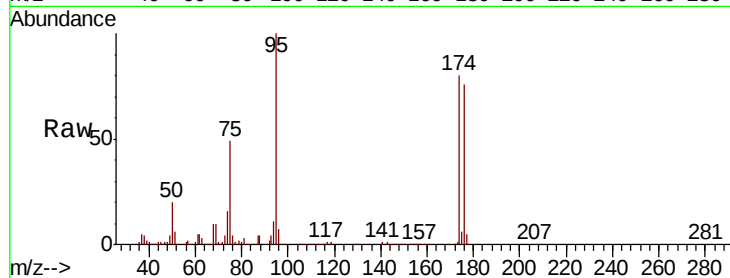
Tot Ion:173 Resp: 4533

Ion Ratio Lower Upper

173 100

175 613.6 24.1 72.4#

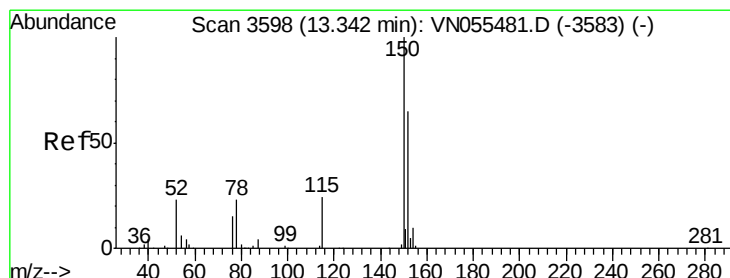
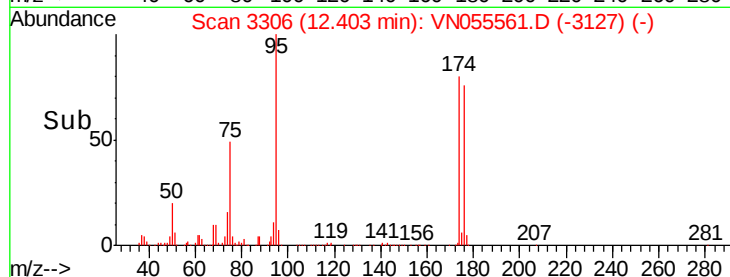
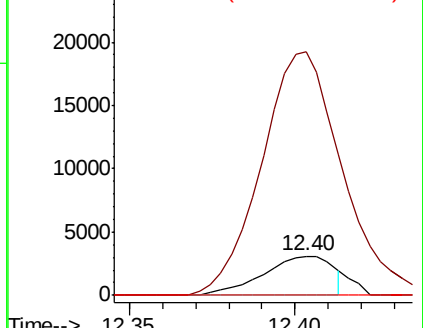
254 0.0 0.1 0.1#



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: VN055561.D

Acq: 10 May 2019 19:04

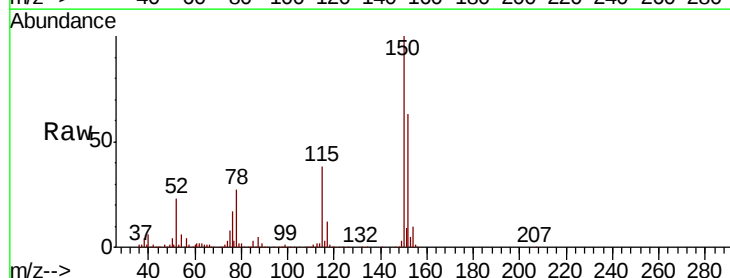
Tgt Ion:152 Resp: 439233

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

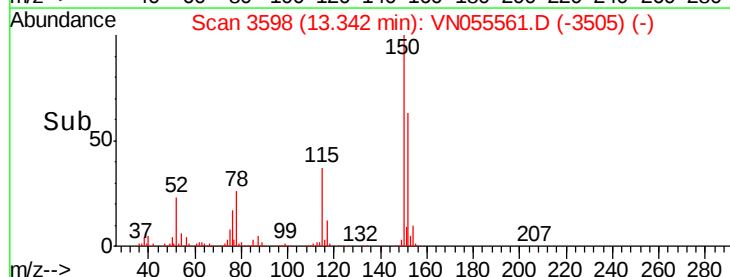
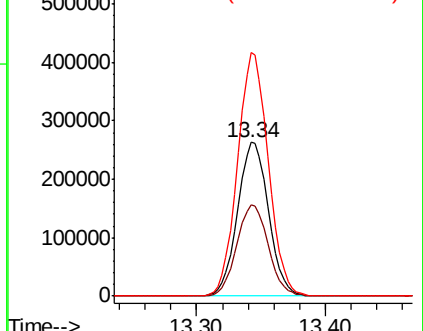
150 157.2 0.0 355.0

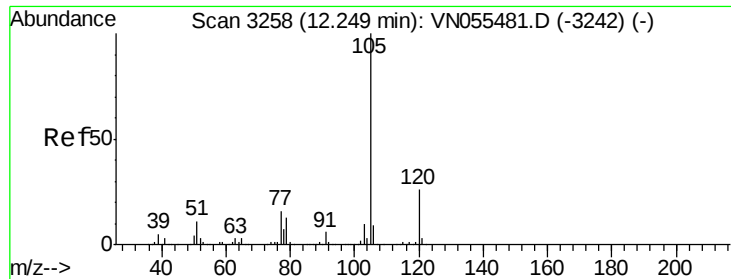


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

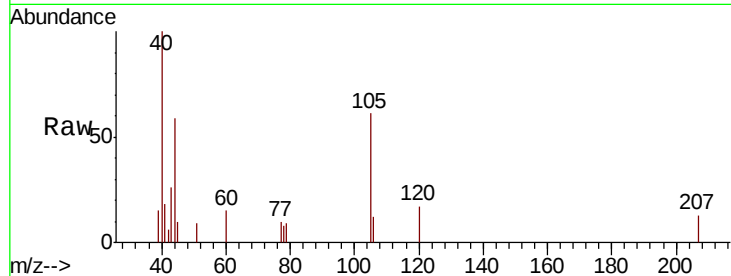
OK-03-050919

Tot Ion:105 Resp: 2199

Ion Ratio Lower Upper

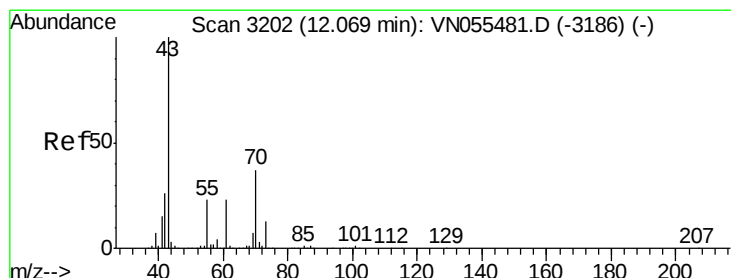
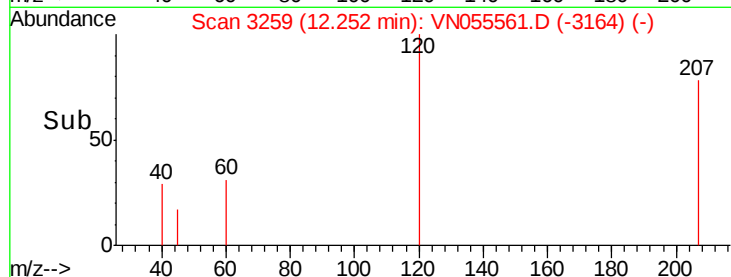
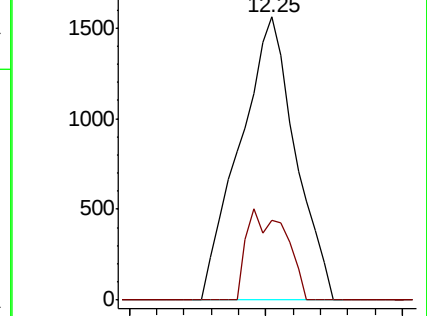
105 100

120 22.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.387 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Tgt Ion: 43 Resp: 39810

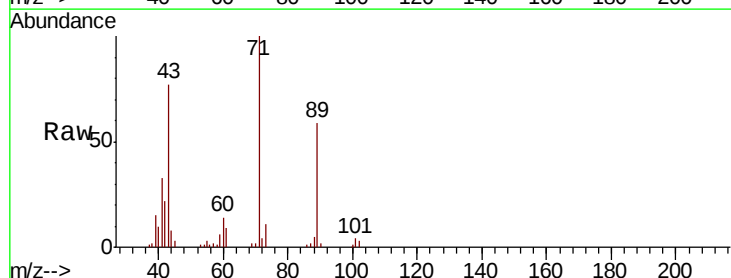
Ion Ratio Lower Upper

43 100

70 2.3 30.7 46.1#

55 4.6 19.3 28.9#

61 11.3 18.6 27.8#

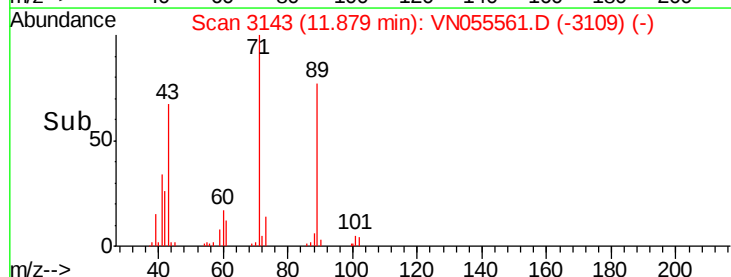
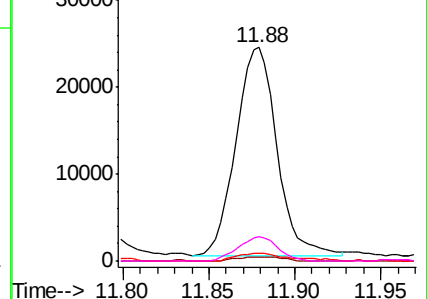


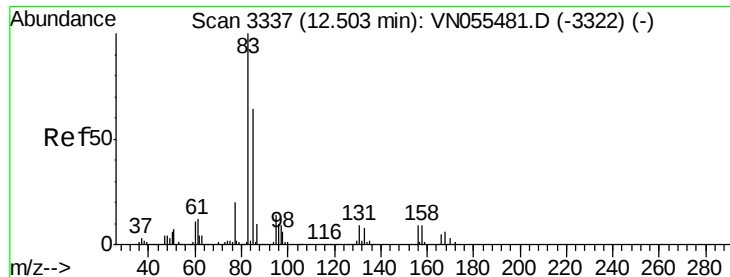
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.54 min Scan# 3349

Delta R.T. 0.04 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

OK-03-050919

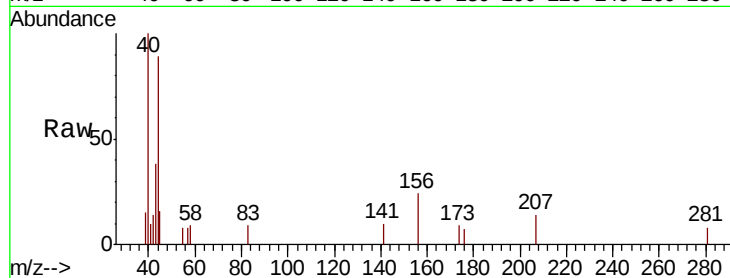
Tot Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

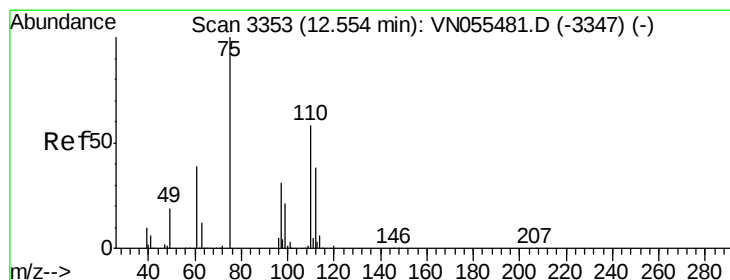
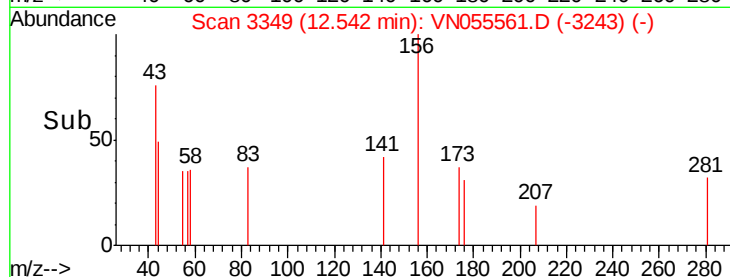
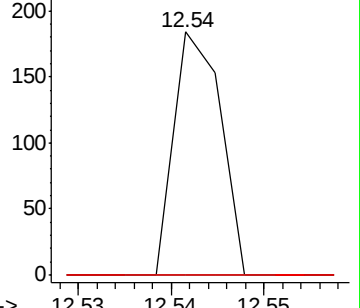
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.006 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055561.D

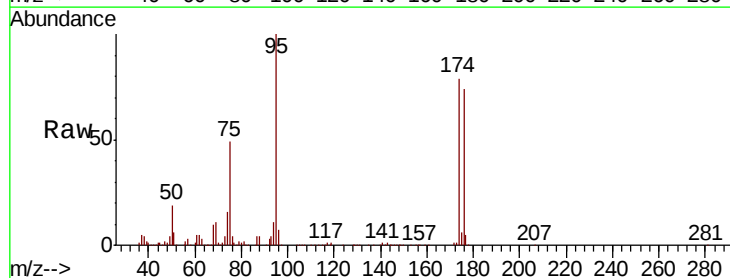
Acq: 10 May 2019 19:04

Tgt Ion: 75 Resp: 275090

Ion Ratio Lower Upper

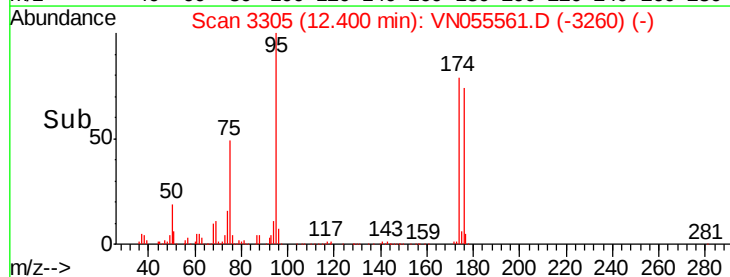
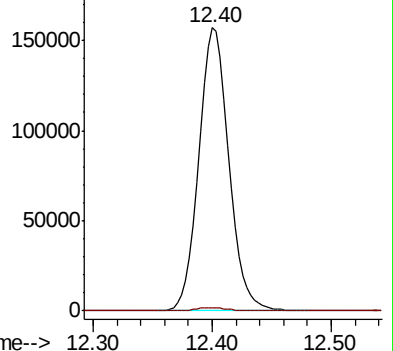
75 100

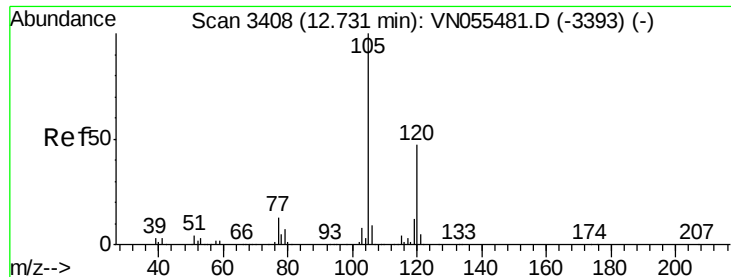
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.589 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

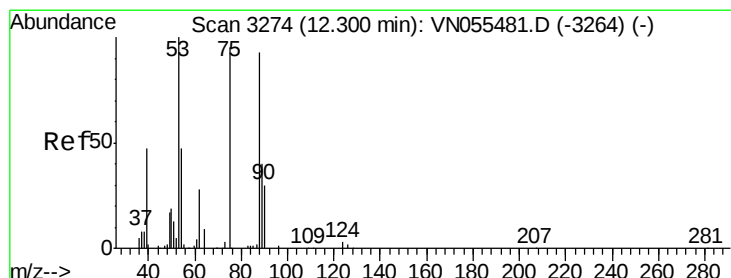
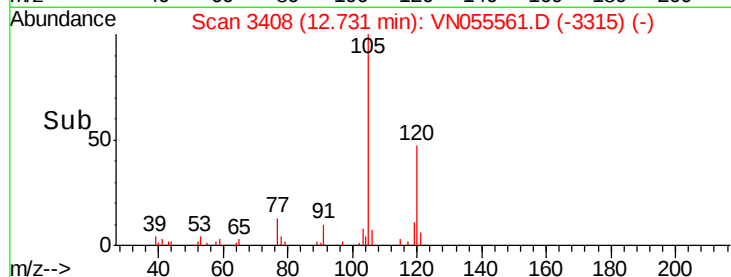
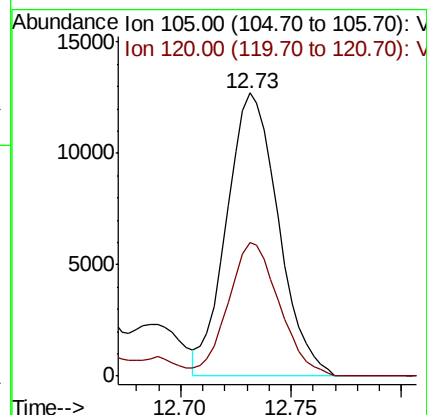
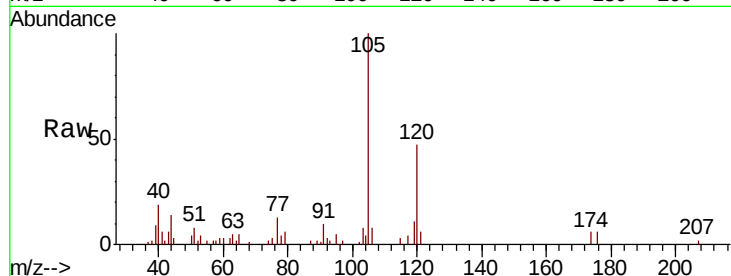
OK-03-050919

Tot Ion:105 Resp: 20689

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 84.888 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055561.D

Acq: 10 May 2019 19:04

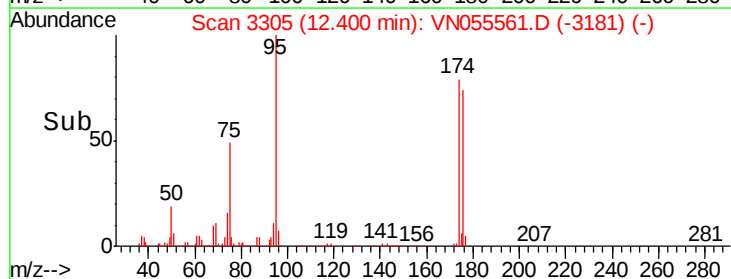
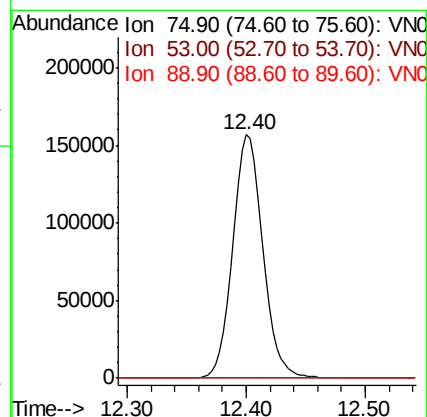
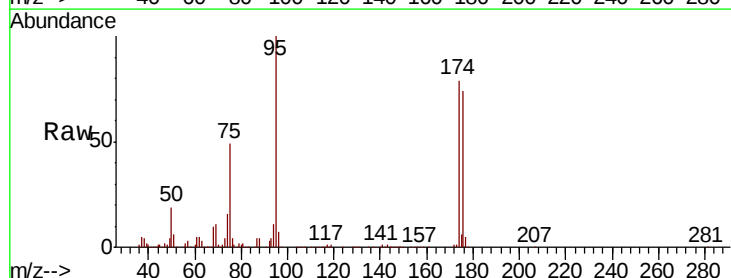
Tgt Ion: 75 Resp: 275090

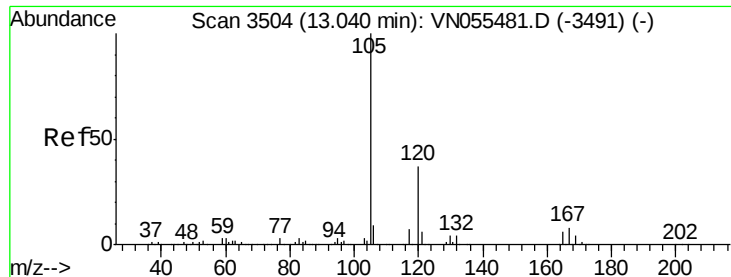
Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 35.7 53.5#

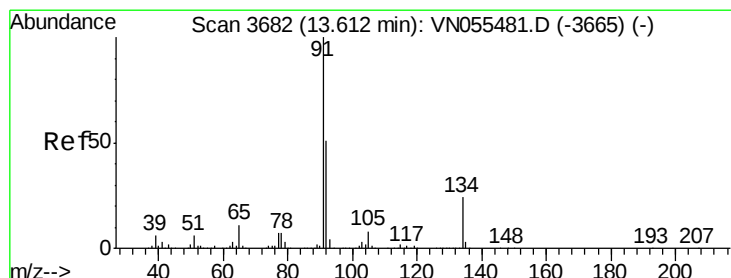
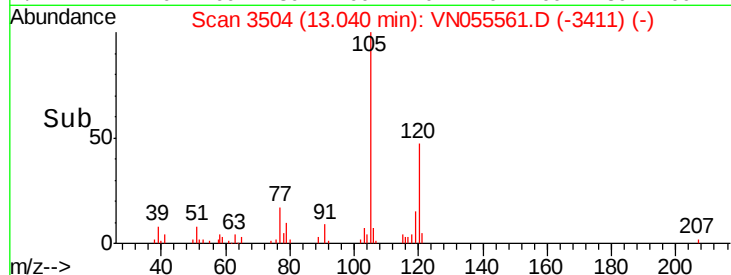
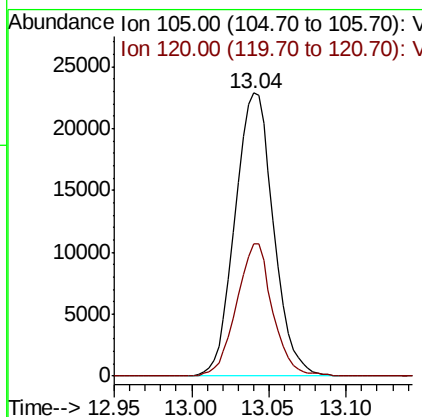
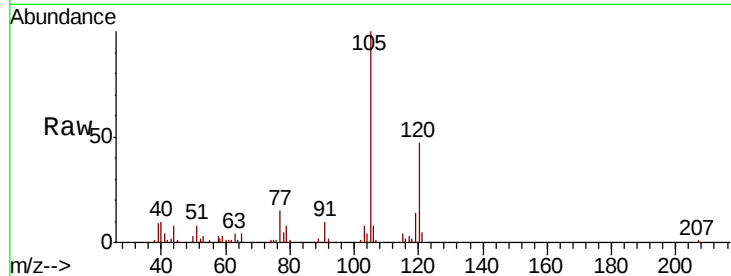




#84
1,2,4-Trimethylbenzene
Concen: 1.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

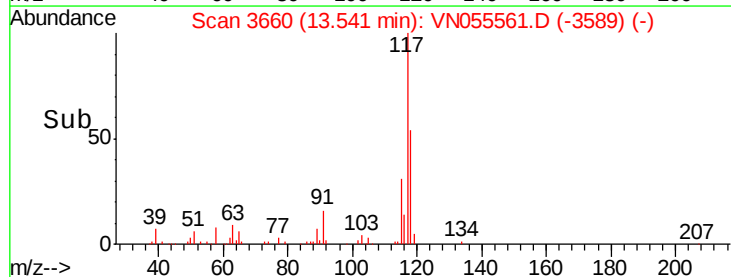
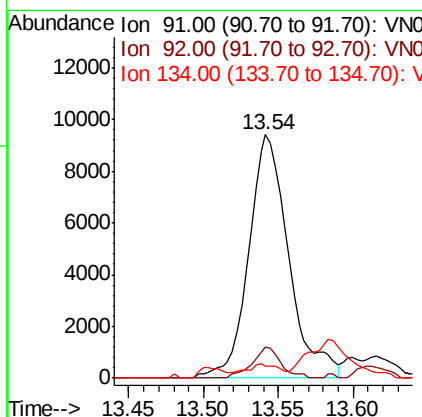
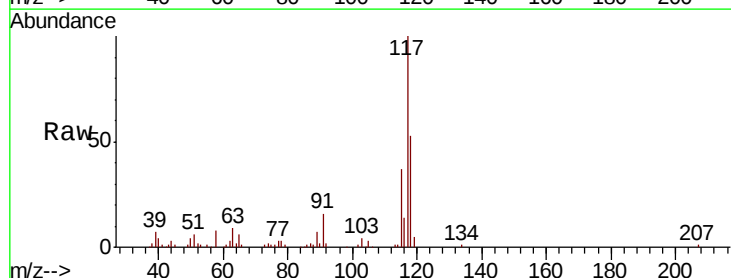
Instrument :
MSVOA_N
ClientSampled :
OK-03-050919

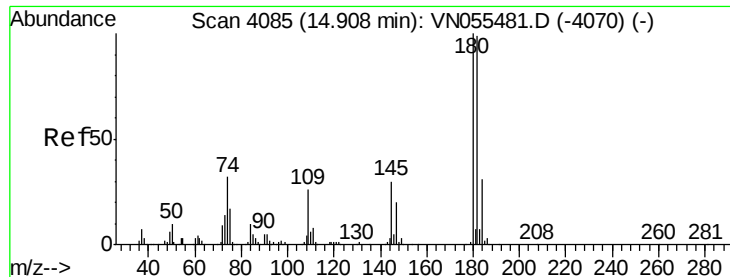
Tot Ion:105 Resp: 39578
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.5



#89
n-Butylbenzene
Concen: 0.693 ug/l
RT: 13.54 min Scan# 3660
Delta R.T. -0.07 min
Lab File: VN055561.D
Acq: 10 May 2019 19:04

Tgt Ion: 91 Resp: 17505
Ion Ratio Lower Upper
91 100
92 9.3 25.9 77.7#
134 4.7 11.8 35.4#

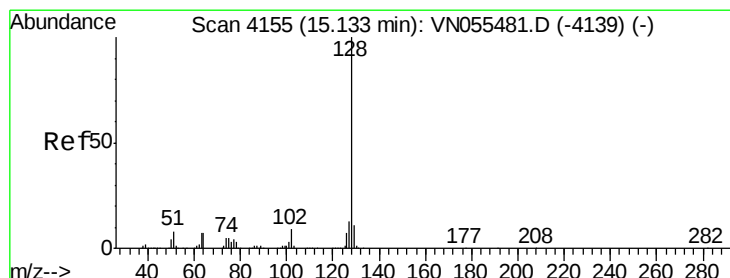
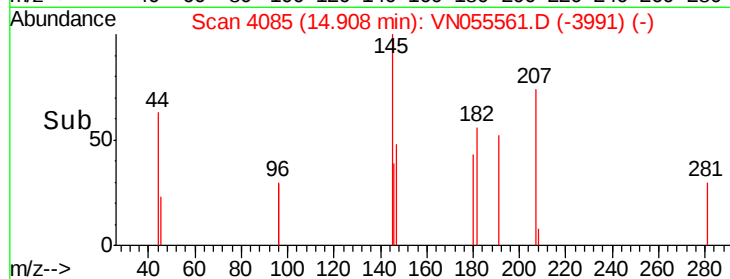
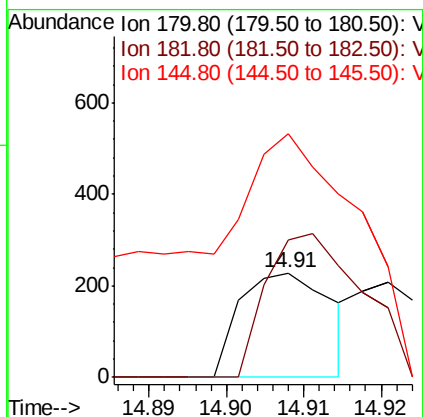
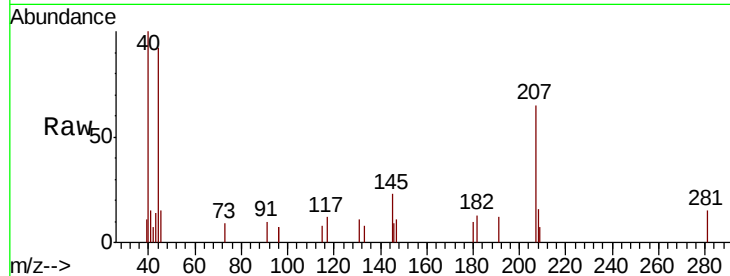




#93
 1,2,4-Trichlorobenzene
 Concen: 3.232 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055561.D
 Acq: 10 May 2019 19:04

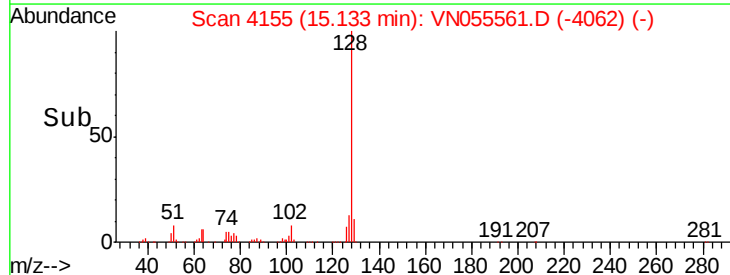
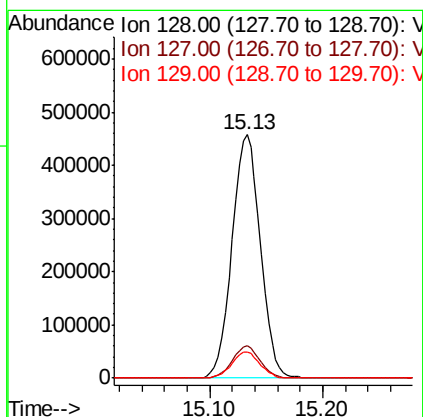
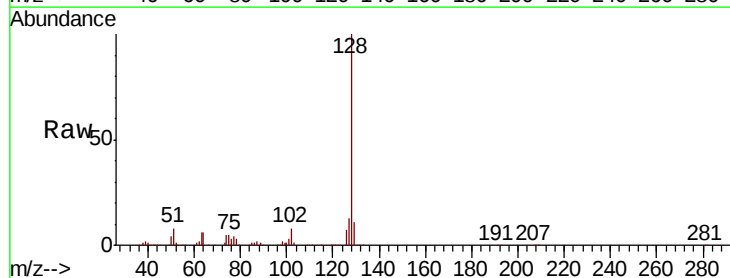
Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-050919

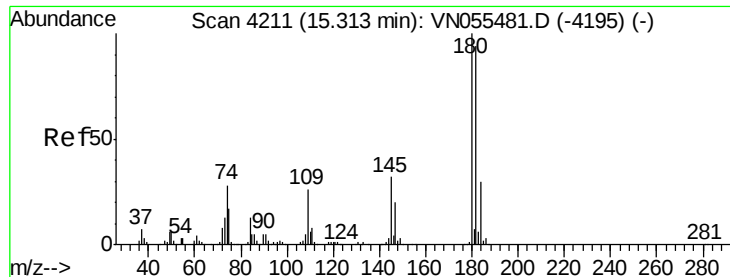
Tot Ion:180 Resp: 186
 Ion Ratio Lower Upper
 180 100
 182 145.2 48.7 146.1
 145 293.5 15.3 45.9#



#95
 Naphthalene
 Concen: 43.993 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN055561.D
 Acq: 10 May 2019 19:04

Tgt Ion:128 Resp: 798801
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.0 15.0
 129 10.8 8.8 13.2

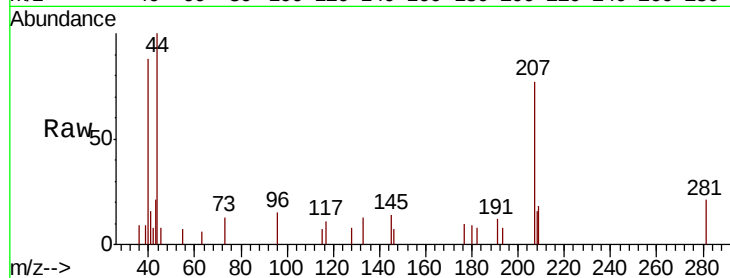




#96
 1,2,3-Trichlorobenzene
 Concen: 2.437 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055561.D
 Acq: 10 May 2019 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-050919

Tot Ion	Ratio	Lower	Upper
180	100		
182	75.2	47.1	141.3
145	395.2	15.8	47.4#



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

